

**BEFORE THE GUJARAT ELECTRICITY REGULATORY COMMISSION
GANDHINAGAR**

Petition No. 2018 of 2021.

In the Matter of:

Petition for adjudication of disputes between the Petitioner and the Respondent under Section 86(1) (e) and (f) of the Electricity Act, 2003 read with Clause 10.4 of Article 10 of the PPA dated 09.12.2010 in the matter of solar power generation at its fullest installed capacity of 5 MW as per the terms of PPA by replacing damaged and deteriorated 13727 Nos. of solar modules by new size and specifications based 8383 Nos. of solar modules to achieve full potential utilization of the installed solar plant.

Petitioner : Konark Gujarat PV Pvt. Limited
Building No. 7, Mittal Estate,
Andheri Kurla Road, Saki Naka, Andheri (East),
Mumbai – 400059.

Represented By : Ld. Sr. Adv. Navin Pahwa alongwith Ld. Advocates
Mr. Ashish Jha & Ms. Kaynat Sheikh

V/s.

Respondent : Gujarat Urja Vikas Nigam Limited
Sardar Patel Vidyut Bhavan,
Race Course Circle, Vadodara-390007.

Represented By : Ld. Sr. Adv. Mr. M. G. Ramachandran and
Ld. Advocate Ms. Srishti Khindaria alongwith Ms.
Sailaja Vachhrajani, Mr. Rakesh Soni & Mr. Kishore
Lakhani

CORAM:

**Anil Mukim, Chairman
Mehul M. Gandhi, Member
S. R. Pandey, Member**

Date: 25/09/2024.

ORDER

1. This Petition, preferred under Section 86(1)(e) and (f) of the Electricity Act, 2003 (“the Act” for brief), seeks the following prayers:

“

- a. *Pass an Order quashing/setting aside the specific unilateral conditions pertaining to installation of Solar PV Modules and ‘CUF’ as well as ‘Base CUF’ imposed by the Respondent vide its communication dated 28.03.2019 and 27.08.2021, which is in contravention of the provision of PPA dated 09.12.2010;*
- b. *Pending final disposal of the Petition, pass an interim Order permitting the Petitioner to replace damaged/deteriorated Solar PV Modules in total of 13727 numbers with an installation of 8383 numbers of new Solar PV Modules, and carry out other necessary repair works in the Solar Power Plant so as to enable the Petitioner to operate the Solar Power Plant at installed capacity of 5 MW in terms of the PPA between the parties;*
- c. *Pass such Order to compensate the Petitioner for loss of revenue on account of rejection of Petitioner’s request to replace such damaged/deteriorated solar modules from the Solar Power Plant;*
- d. *Pass such further order or orders as this Commission may deem fit and proper under the facts and circumstances of the present case and in the interest of justice.”*

2. **Facts of the Petition in brief:**

- 2.1 The Petitioner has set up 5 MW Solar PV Project at NH-27, Samakhiyali-Radhanpur Road, Opp.22 KV Sub-Station, Village Shivilakha, Taluka Bhachau, Dist. Kachchh. For this purpose, the Petitioner entered into a Power Purchase Agreement (PPA) dated 09.12.2010 with the Respondent for sale of entire power generated from its Solar Power Plant to the Respondent for a period of 25 years. However, due to subsequent change in the location of the Plant, a Supplementary Power Purchase Agreement was executed on 28.04.2011 between the Petitioner and the Respondent. Relevant terms and conditions of the PPA are as under:

“Article 4.1 Obligations of the Power Producer

.....

- (ii) *The Power Producer shall construct, operate and maintain the Project during the term of the PPA at his risk.*

(iii) The Power Producer shall sell all available capacity from identified solar photovoltaic Grid interactive power plant to the extent of contracted capacity on first priority basis to GUVNL and not sell any third party...

.....

(viii) The Power Producer shall operate and maintain the Project in accordance with Prudent Utility Practices.....”

.....

4.2 Obligations of GUVNL

.....

(i) To allow Power Producer to operate the Project as a base load-generating station.....

Article 5 – Rates and Charges

.....

5.2 *GUVNL shall pay the fixed tariff mentioned hereunder for the period of 25 years for all the Scheduled Energy/Energy injected as certified in the monthly SEA by SLDC. The tariff is determined by the Commission vide tariff order for Solar based power project dated 30.01.2010.*

Tariff for photovoltaic project:

*Rs.15/kWh for first 112 years and
Thereafter Rs.5/kWh from 13th Year
To 25th Year.”*

2.2 As per the Certificate of Commissioning dated 22.02.2012 issued by Gujarat Energy Development Authority (GEDA), the Solar Power Plant was commissioned and ready for commercial operation on 18.01.2012. The Petitioner commenced power supply to the Respondent from 18.01.2012 in terms of the PPA dated 09.12.2010. As per Clause 4.1 of the PPA, the primary obligation of the Petitioner was to maintain and operate the Plant, and the corresponding obligation of the Respondent was to allow the Petitioner for O&M of the Plant for continuous power supply to the Respondent. Therefore, it was imperative that the Plant was to be maintained and operated at the installed capacity of 5 MW.

2.3 On 28.03.2019 the Petitioner received a Notice from the Respondent communicating that some of the solar power developers had enhanced capacity of the Plants or were planning to enhance capacity of their Plants to get higher CUF without the knowledge of the Respondent and, in case of any irregularity found in terms of the capacity enhancement mechanism or enhancement of CUF or change

in panels after the COD, the said communication shall be considered as a notice for termination of the PPA without any further notice.

- 2.4 Though the Plant has been generating desired capacity since its installation in 2012, from 2017 onwards down fall in generation was observed. As such, the Petitioner has conducted various inspection/test at the Plant site and found damage/deterioration in the solar modules. On 05.12.2020, the Petitioner had engaged a third-party agency M/s. Meissa Technologies Pvt. Ltd. for conducting preliminary drone thermography test when it was found that 4363 solar PV modules have anomalies. The Petitioner again conducted IV Curve test in entire 5 MW Plant i.e. 24532 Modules. As per the IV Curve report dated 01.02.2021, 56% i.e. 13727 number of PV Modules were found to be highly damaged/ deteriorated. The analysis of both the reports was then performed by M/s.VP Utilities & Services Pvt. Ltd.
- 2.5 The damage/deterioration in the Modules was causing recurring losses to the Petitioner and the Plant was also not able to generate power at its desired capacity i.e. 5 MW. As per the PPA, the Petitioner was bound to generate the required capacity of power and perform the operation and maintenance of the Plant. In view of this fact situation, the Petitioner, on 04.02.2021, wrote a letter to the Respondent stating that 13727 numbers of PV Modules having total Wp capacity of 2829260 were damaged and deteriorated and that same shall be replaced by 8383 numbers of Modules having the same total Wp capacity of 2829260. The Petitioner also informed the Respondent that there would not be any capacity enhancement of the Plant and that the agreed capacity as per PPA would be maintained. However, the Respondent vide letter dated 27.8.2021 informed the Petitioner that their team had carried out inspection on 20.7.2021 and it was found only 765 existing Modules with capacity of 0.1577 MW damaged. The Petitioner was thus permitted to replace only 765 Modules in such a way that capacity of the replaced new Modules did not exceed 0.1577 MW. The Respondent further stated that upon replacement of damaged Modules, the total installed capacity of the Plant shall not exceed the contracted capacity. That apart, the Respondent also stated:

"2. The total generation of the Project throughout the balance period of the Term of the PPA pursuant to replacement of panels does not exceed the Base CUF. The CUF of the past period from the date of commissioning of the Project till the date of approval of replacement of panels shall be considered as the Base CUF for this purpose.

8. If the CUF of Konark increases from the Base CUF as defined in para (2) in any financial year, GUVNL will have right to inspect the Project site and it is found that any of the panels have been replaced without the GUVNL's permission, any generation beyond the Base CUF in any year shall be considered as excess generation and GUVNL shall not make any payment towards such excess generation."

- 2.6 As regards CUF, it is stated by the Petitioner that, for a Solar Photovoltaic Project (SPV), CUF is the ratio of actual energy generated by the SPV over the year to the equalling energy output at its rated capacity over the yearly period. But it depends on many things, like location of the plant, sun shine hours, type and quality of solar panels used and operation & maintenance standards of the plant. The only relevance of CUF in the context of PPA can be in accordance with Generic Tariff GERC's Order No.2/2010 dated 29.01.2010, the relevant portion of which is as under:

"4.10 Capacity Utilization Factor (CUF)

The energy generation for Solar Power project depends on solar radiation measured in kWh/sq m/day and number of clear sunny days. The output of Solar Cell is measured in terms of Wp (Watt Peak) and refers to nominal power under Standard Test Conditions (STC) (1000 W/m², 25°C, 1.5PM). The capacity utilization factor depends on site specific parameters like insolation & ambient conditions as well as the technology adopted for power generation...."

- 2.7 It is submitted that the generation fall from the Plant started from the year 2017 and the generation for the year 9 is 71.26% of the first-year generation. Further, year 10 generation is 57.50% of the first-year generation. Thus, it is clear that the installed Modules at the Plant were highly damaged/deteriorated and needed replacement to make the Plant back to 5 MW capacity.
- 2.8 The Petitioner has, therefore, approached the Commission for permitting to replace the damaged/deteriorated Modules of 13727 numbers having total Wp capacity of 2829260 (2.89 MW) with a total of 8383 number of Modules to achieve

full potential utilization of the installed solar Plant as well as to decide and declare that specific unilateral conditions pertaining to installation of Modules and 'CUF' as well as 'Base CUF' imposed by the Respondent vide its communication dated 28.3.2019 and 27.8.2021 is in contravention of the PPA dated 09.12.2010, on the following grounds:

'That the condition pertaining to CUF and Base CUF amounted to unilaterally incorporating a new condition contrary to the terms of the PPA. As per the PPA, Petitioner is entitled to supply 5 MW of power to the Respondent for which the Plant of 5 MW capacity is to be kept fully operational and functional. Therefore, damaged/deteriorated Modules, which are 13727 in number, are required to be replaced by new size and specification Modules of 8383 in number to maintain the same capacity. The act of the Respondent of precluding the Petitioner from installing the said Modules is contrary to the provisions of the PPA. Therefore, the decision of the Respondent to replace only 765 Modules is highly improper. If replacement of Modules is not allowed, the Plant will continue generating lower power causing huge tariff/revenue loss to the Petitioner. The action of the Respondent is contrary to the letter and spirit of the Act which promulgates encouragement and promotion of renewable sources of energy as enshrined in Section 86 (1)(e) thereof.'

Reply by the Respondent:

3. The Respondent, by its reply dated 24.12.2021, resisted the averments made in the Petition. It is contended that Tariff Orders of the State Commission are based on the commissioning of the project within the control period and the technology and cost of panels as applicable at the prevalent time. Therefore, installation of new panels may be cheaper and would allow a generator to claim higher tariff. There is no provision in the PPA or Orders or Regulations of this Commission regarding replacement of damaged solar panels during the life of the Project. As per the PPA, the Petitioner is responsible for operation and maintenance of the power project in a prudent manner for supply of contracted capacity to the Respondent throughout the term of the PPA. There may be genuine requirement to replace damaged solar

panels and equipment in order to enable them to fulfil their obligations under the PPA. It is, however, not open to the Petitioner for replacing the solar panel to increase the production capacity and thereby increase the quantum of generation over and above what they would have been able to generate considering the contract capacity as per the PPA and take advantage of higher tariff.

3.1 The Respondent GUVNL submitted that, with a view to streamlining the procedures for replacement of damaged solar panels and at the same time to ensure that the Generators shall undertake such replacement activity which does not result into enhancement in capacity/ increase in generation and injection of energy to take advantage of tariff agreed in the PPA, the Respondent has devised Common Guidelines required to be followed by the Generators for replacement of damaged solar panels. Such Guidelines, which are stated in brief as under, are required to be followed by the Generators in case of replacement of damaged panels:

- “(i) Damaged panels would mean panels that are damaged because of which they are not in a position to generate power corresponding to rated capacity of panels. Such damaged panels would include panels with scratches or cracks, broken panels, burnt panels or any other kind of physical damage. Mere degradation of panels shall not be considered as damaged modules as degradation of panels is a natural phenomenon.*
- (ii) The generator shall have to seek prior permission of GUVNL before replacing any panel or making any modifications in the Project. However, in case the project capacity is below 5 MW and the PPA has been signed with a Distribution Company in the State, then the solar power project may seek prior permission of the concerned Distribution Company.*
- (iii) Upon receipt of request from the generator for replacement of panels, GUVNL/ Distribution Company shall depute a team for physical verification of the solar project. Such inspection team shall consist of representatives from Distribution Companies, GETCO and GEDA.*
- (iv) The Inspection Team shall submit a Report after physically verifying the damaged panels and such report shall be the basis for allowing replacement of panels certified as damaged.*
- (iv) GUVNL/ Distribution Company may issue permission for replacement of damaged panels with panels of the same make and model installed at the time of commissioning of the project as certified by GEDA in the Commissioning*

Certificate, if available. If the panels of the same make and model are not available in the market, the generator may be allowed to install panels of a different make and model, subject to certain conditions.

- (v) It is only upon receipt of permission granted by GUVNL/Distribution Companies that the generator shall be eligible to replace the panels certified as damaged.*
- (vi) Once the damaged panels are replaced, the generator shall inform GEDA under intimation to the GUVNL/ /Distribution Company to visit the site and witness commissioning of the new panels.*
- (vii) In case any additional capacity is found to be connected at the time of site inspection, legal action including termination of PPA will be initiated.*
- (viii) If CUF of any Plant increases beyond the Base CUF in any financial year, GUVNL/ Distribution Company will have right to inspect the Project site and if it is found that any of the panels have been replaced without GUVNL's/ Distribution Company's permission, any generation beyond the Base CUF in any year shall be considered as excess generation and GUVNL/ Distribution Company shall not make any payment towards such excess generation..... "*

3.2 As regards the analysis report dated 01.02.2021 of M/s.VP Utilities & Services Pvt. Ltd., it is contended by the Respondent that they cannot verify the authenticity of said M/s.VP Utilities & Services Pvt. Ltd. In view of the Petitioner's request to the Respondent for site inspection, officials from GETCO and GEDA conducted necessary inspection of the Plant when it was found that: "(1) total 765 nos of pv modules found damaged and (2) capacity of removed modules are included in total capacity of plant". In view of this, the Petitioner was permitted to replace 765 damaged modules in such a way that the replaced modules did not exceed 0.1577 MW in order to retain the same level of total power capacity of the system and total generation, thereby the CUF of the project did not increase.

3.3 The cost of solar panel has significantly reduced today since 2010 when the tariff was determined. Taking advantage of the same, some solar power Generators had been trying to add additional solar panels or replacing older panels with more efficiency and receive higher tariff even though the cost associated with the said generation was much lower. If the said solar panels were installed in a separate power project, the tariff as on date available would be Rs.1.99 per unit – Rs.2.50

per unit. This is why the Generators are seeking to install it in older Plants so that higher tariff can be claimed. Therefore, it is contended that, if the Petitioner were allowed to increase Plant capacity and CUF, then this would seriously prejudice consumer interest, as the Petitioner would be getting more tariff, while its cost of production would have gone down. The Respondent has the option to avail cheaper and more economical sources of power and the Petitioner cannot be benefited at the cost of consumers.

- 3.4 That CUF is in fact one of the parameters for determining tariff and any change in CUF (increase or decrease) would lead to a consequential change in tariff as well. The Commission in its Order date 29.01.2010 has noted that there is a declining trend in the cost of Solar PV Projects. Admittedly, the Panels now being installed are not equipments commissioned during the control period of the Order dated 29.01.2010.
- 3.5 The Respondent denied to have imposed any unilateral conditions pertaining to CUF. The Petitioner cannot use the excuse of alleged damage to solar panels to use higher efficiency panels to generate higher CUF while claiming high tariff determined based on certain CUF and costs. The Petitioner has to maintain and operate the Plant at its installed capacity i.e. 5 MW, but there is no obligation on the Respondent as sought to be claimed by the Petitioner. The Petitioner has to operate and maintain the Plant in terms of the PPA dated 09.12.2010 and the Tariff Order dated 29.01.2010 of the Commission, specifying norms of operation, including CUF. Further, the Petitioner under the guise of O&M cannot replace the panels and install lower cost higher efficiency panels while claiming the tariff as per the older panels. The applicable tariff is based on panels being commissioned in the control period of the Tariff Order 2010 and after considering CUF ad costs of panels and the same cannot be claimed for such new panels.
- 3.6 It is further contended that Inspection Team of the Respondent, which included Officer of GEDA, had found 765 modules to be damaged which have been permitted to be replaced. There cannot be any further claim. The claim of the

Petitioner of alleged damage is not due to any *force majeure* event or even otherwise due to any specific reason. The Petitioner has only claimed that there was damage or deterioration. Degradation of solar panels is normal. As per the report dated 01.02.2021 of M/s. VP Utilities Pvt. Ltd., 13727 modules were shown as damaged. Degradation of panels is a known factor and therefore the applicable tariff already accounted for such degradation. As such alleged degradation cannot be considered as damaged panels. Damaged panels would mean panels that are damaged because of which they are not in a position to generate power corresponding to rated capacity of panels. Damaged panels would include panels with scratches or cracks, broken panels, burnt panels or any other kind of physical damage. Mere degradation of panels shall not be considered as damaged modules as degradation is a natural phenomenon. As such, under the guise of replacement, the Petitioner is seeking to claim the tariff applicable in 2010 for equipment installed in 2021. Further, solar tariff order of the Commission dated 29.01.2010 considers the CUF. In view of the fact that taking into account the CUF, the tariff for solar generation has been determined by the Commission based on the high capital cost of solar panels, therefore the Petitioner cannot now claim the same tariff for newer panels.

- 3.7 The Respondent further contended that the Petitioner's claim for number of damaged panels is inconsistent and untenable. As per verification by the Officials deputed by the Respondent, only 765 of the modules were found damaged and therefore only such modules can be replaced. The Respondent denied to have committed any error or arbitrariness in their actions, which are in fact consistent with the PPA and the Tariff Orders passed by the Commission. That, once Commissioning Certificate is issued by GEDA, the Generators cannot alter the capacity of their solar project or the modules/panels based on which the project was commissioned. The Respondent has, however, allowed for replacement of panels in case there is any damage to the project, subject to prior permission as well as physical inspection being carried out by the Respondent GUVNL. This is to ensure that the replacement is only for actual damage to the panels/modules. The Respondent denied that 2.83 MW of Plant was damaged. It is contended that

report of the Inspection Team is based on the actual physical verification of the Petitioner's project conducted by the Officials of GEDA, GETECO and the State Discoms, wherein 765 modules were found to be damaged. The Petitioner cannot claim a right to replace modules which are not damaged. The Respondent disputed the claim of the Petitioner that it was deprived of tariff for 4018 MWh. Respondent stated that, generation during the year 2013 was 9496 MWh and generation for the year 2020 was 6736 MWh and thus difference of generation worked out to 2759 MWh, against which the Petitioner is claiming a loss of 4018 MWh which is incorrect. In any event, the claim of 2.83 MW is even otherwise incorrect. The damaged modules of 765 as verified by the team only amounted to 0.1577 MW which has been permitted by the Respondent.

- 3.8 The Respondent has, thus, contended that the Petitioner is not entitled to any relief as claimed or otherwise. It denied to have contravened any of the provisions of the PPA read with Tariff Orders, nor can the Petitioner be permitted to replace the modules at its own whims and fancies and compelling GUVNL to procure solar power from such new modules commissioned in 2021 at the tariff applicable for control period 2010-2012. Further there is no provision for extension of time under the PPA after commissioning of the project.

Rejoinder by the Petitioner:

4. The Petitioner, by filing its Rejoinder dated 15.02.2022, more or less reiterated the averments already made in the Petition. By referring to Articles 4.1 and 4.2 of the PPA, the Petitioner submitted that the primary obligation of the Petitioner is to maintain and operate the Solar Power Plant and the corresponding obligation of the Respondent is to allow the Petitioner to operate and maintain the Plant for continuous power supply to the Respondent. Thus, the Petitioner is only making a plea that its right to operate and maintain the Plant at its capacity of 5 MW should be allowed by the Respondent so as to replace the damaged/deteriorated modules. It had no intention of enhancing the capacity of the Plant. Further, the PPA does not give any authority to the Respondent to lay down guidelines/protocol for O&M or

repairs/replacements. Nowhere it restricts the rights of the Petitioner for operation, maintenance, repair and replacement within the contracted capacity.

- 4.1 The Petitioner submitted that visual inspection for damages or physical damage is not enough to declare degradation of Module. There are inherent/ latent issues which can be seen only by experts using special test methods, tools and techniques. Physically damaged modules can be identified by naked eyes that may or may not impact the module power performance e.g. scratch/dent on frame may not impact whereas burn, cell cracks which cannot be identified by naked eyes but may lead to degradations or hotspots. Though photovoltaic modules are designed to have a lifetime of about 25 years, but different types of external pressure such as temperature, humidity, UV irradiation, rain, snow, hail, wind, sand etc can lead to degradation of the solar photovoltaic modules protective material and contribute to different types of failures/damage. The most common defects that cause damage in the solar photovoltaic modules are encapsulant delamination, encapsulant discoloration, hot spots, snail trails, cracks, hotspots, light induced degradation, physical damage and age degradation. Thus, the correct method to identify damage is via thermography (IR imaging) test, electroluminescence test, PIV test, Riso measurements etc. which are popular tests being followed by all in solar industry to ascertain the damage and its cause.
- 4.2 The Petitioner further pointed out that, since 2017 there has been a shortfall of generation capacity of its Solar Power Plant. Therefore, the Petitioner had engaged a third party agency M/s. Meissa Technologies Pvt. Ltd. for conducting a preliminary drone thermography test. Having found anomalies in about 4364 solar photovoltaic modules, the Petitioner then conducted IV Curve Test in entire 5 MW Plant, i.e. 24532 modules. As per IV Curve report dated 01.02.2021, it was found that in total of 56% i.e. 13727 modules were highly damaged/deteriorated. The Petitioner followed the procedure to seek approval for replacement of the damaged modules from the Respondent, which, without any technical basis, have vide its letter dated 27.8.2021 erroneously conveyed the Petitioner that the replacement of only 765 modules was allowed as being found damaged. The

Respondent has not conducted any technical test, except physical test, to calculate the damage of the modules. By replacing defective, damaged, deteriorated modules, the Petitioner only intended to operate the Plant to its actual capacity.

- 4.3 The Petitioner further submitted that the devised guidelines imposed on the Petitioner by the Respondent, along with CUF and Base CUF, is without approval of the Commission and hence it is not maintainable. These guidelines are not even a part of the PPA. The Respondent has created the sub contract under the guise of guidelines without the permission of the Commission, which is manifestly arbitrary, unjust and unreasonable and without jurisdiction. The Petitioner, therefore, requested to quash and set aside all the unilaterally devised guidelines and various terms like CUF, Base CUF, Average CUF which are enumerated in para 10 and 11 of the reply of Respondent dated 27.12.2021 and also quash and set aside the Respondent's letters dated 28.3.2019 and 27.8.2021. In this context, the Petitioner relied upon a decision of the ***Hon'ble Supreme Court in Nazir Mohhamed v. J. Kamala & Ors*** reported in ***AIR 2020 SC 4321 (para. 37)***.
- 4.4 The Petitioner further submitted that by replacing the modules, it is not taking advantage of the higher tariff. Mere replacement of modules with latest technology against the obsolete one can never be interpreted as an intention to increase the contracted capacity and or to claim higher tariff. The Commission in its Order has not even restricted the CUF for solar power producer. Even the PPA has no provision with regard to CUF. CUF is solely a subject matter of weather condition with regard to solar power generation. As regards the Respondent's refusal to rely on the authenticity of M/s. VP Utilities & Services Pvt. Ltd. (VPSUL), the Petitioner submitted that a third party independent agency can be identified by the Respondent and the Petitioner on mutual acceptance to perform the testing at site to revalidate the field measurements performed by VPSUL.
- 4.5 As against the Para-wise reply tendered by the Respondent, the Petitioner while reiterating what is stated in the Petition, further stated that the Petitioner has suffered loss of 2.83 MW power generation due to damage of 13727 modules,

whereas, according to the Respondent, only 0.1577 MW is the power generation loss which consisted of replacement of 765 modules. That the power producer has absolute and exclusive right to replace the damaged panels under the law, more particularly under the Clause of O&M. Onus of O&M casts upon the Petitioner and the Petitioner is duty bound to maintain its solar project until the contract period i.e. 25 years. By replacing the damaged/ deteriorated modules, the Petitioner will not be enhancing the capacity of the Plant but would achieve its fullest capacity i.e. 5 MW as per the terms of the PPA.

5. It is further submitted that during hearing the Commission vide Daily Order dated 20.03.2023 called for certain details from the Petitioner. The Petitioner has provided a copy of the module data sheet containing information as provided by the module manufacturer. It is submitted that the Petitioner has provided a copy of Solar plant lay out detailing technical details of commissioned solar plant specifying plant layout details of solar modules, inverters etc., location, their number, capacity, string number, row number where total number of modules and inverters etc. installed in the different location. It is submitted that with regard to details sought in para 5.7 (C) & (D) of the Daily Order, a copy of the drone thermography report containing details of individual module analysis specifying the details of each individual module of the plant layout stating row number, segment number, string number, connected inverter, SMB number in respect to defects observed and its impact on energy loss, a copy of the IV curve analysis report to identify degraded module, details of individual module defect considering the drone thermography report, is also provided vide affidavit dated 20.04.2023 to the Commission. It is submitted that a brief analysis of technical report dated 31.01.2021 has already been provided by the Petitioner. It is also submitted that the copy of generation analysis of degradation in module and calculation of loss thereof as per the warranted generation guarantee has submitted by the Petitioner.

6. Respondent's written submission dated 05.08.2023-

6.1 It is submitted that the matter in issue relates to the quantum of permitted generation and supply from the 5 MW Solar PV Project which the Petitioner, Konark Gujarat PV Private Limited is entitled to claim at the tariff terms and conditions in the Power Purchase Agreement ('PPA') dated 09.12.2010 with the Respondent- Gujarat Urja Vikas Nigam Limited ('GUVNL') read with Tariff Order dated 29.01.2010 passed by this Commission in Petition No. 02 of 2010.

6.2 The Petitioner had established and commissioned its 5 MW solar power project which was ready for commissioning on 18.01.2012 as per the certificate of commissioning dated 22.02.2012 issued by the Gujarat Energy Development Authority ('GEDA') to the Petitioner. The Petitioner had procured Solar Modules, Panels etc., at the then prevalent cost for commissioning the said 5 MW plant. The installed capacity of 5 MW was also based on the technology and efficiency of the Solar Modules, Panels, etc., then available which had the bearing of the quantum of generation.

6.3 The Tariff Order, 2010 was applicable for Solar Projects commissioned during the control period from 29.01.2010 to 28.01.2012. The Tariff Order, 2010 itself clearly envisaged the progressive reduction in the cost of establishing the solar power project over the years. Para 4.1 of the Tariff Order, 2010 reads as under:

".....However, globally the costs of Solar PV Projects have shown declining trend over past couple of years, particularly the last few months and similar trend has been projected for the immediate future. In India also, a large number of solar projects have been planned and with increased production facilities, the cost of Solar PV modules is bound to come down.

In view of above, the Commission, decides to adopt Rs.16.50 crores per MW as capital cost for Solar Photovoltaic Power Project and Rs.13 crores per MW for Solar Thermal Power Project."

6.4 The provisions of the PPA dated 09.12.2010 entered into by the Petitioner with GUVNL, inter-alia, provides as under:

“WHEREAS, the Government of Gujarat through letter dated 14.10.2010 has allocated 5 MW capacity to Power Producer for developing and setting up Solar Photovoltaic based power project in the State of Gujarat.

AND WHEREAS, the Power Producer desires to set-up such Solar Photovoltaic Grid Interactive Power Plant of 5 MW capacity at Village- Charanka, Taluka- Santalpur, District-Patan using new Solar Photovoltaic Grid Interactive power plants to procure the Electric Energy and exercised the option under aforesaid regulations, for sale of entire electrical energy, so produced, for commercial purposes from such Project to GUVNL.

ARTICLE 1:

DEFINITIONS

1.1 *For all purposes of this Agreement, the following words and expressions shall have the respective meanings set forth below:*

.....

“Installed Capacity” means the capacity of the Project at the generating terminal(s) and shall be equal to 5 MW.

....

“Project” means a Solar Photovoltaic Grid Interactive Power Station to be established by the Power Producer at Village- Charanka , Taluka- Santalpur , District-Patan in the State of Gujarat comprising of 10 numbers of units with an individual installed capacity of 500 KW and a total installed capacity of 5 MW shall include land, buildings, plant, machinery, ancillary equipment, material, switch-gear, transformers, protection equipment and the like necessary to deliver the Electricity generated by the Project to the GUVNL at the Delivery Point.

.....

“Scheduled COD” or “Scheduled Commercial Operation Date” means 31st December 2011.

.....

ARTICLE 5

RATES AND CHARGES

5.1 Monthly Energy Charges: GUVNL shall pay to the Power Producer every month Scheduled Energy /Energy Injected as certified in the monthly SEA by SLDC the amounts (the "Tariff) set forth In Article 5.2 herein.

5.2 GUVNL shall pay the fixed tariff mentioned hereunder for the period of 25 years for all the Scheduled Energy / Energy injected as certified in the monthly SEA by SLDC. The tariff is determined by Commission vide Tariff Order for Solar based power project dated 30.1.2010.

Tariff for Photovoltaic project : Rs. 15 /KWh for the First 12 years and thereafter Rs 5/ kWh from 13th Year to 25th year

Above tariff shall apply for solar projects commissioned on or before 31st December 2011. In case, commissioning of Solar Power Project is delayed beyond 31 December 2011, GUVNL shall pay the tariff as determined by Hon'ble GERC for Solar Projects effective on the date of commissioning of solar power project or above mentioned tariff, which ever is lower.

5.3 For each KVARH drawn from the grid, the Power Producer shall pay at the rate as determined by the Commission payable to GETCO from time to time for each KVARH drawn.

5.4 Upon the implementation of the Intra-State ABT (Intra State Availability Based Tariff) in the State, the provisions of the Intra-State ABT Regulations shall become applicable automatically if not permitted otherwise."

- 6.5 It is further submitted that as stated hereinabove the applicable tariff to the project of the Petitioner would be in terms of the Commission's 2010 Tariff Order dated 29.01.2010, the CUF for Solar PV projects was fixed at 20%. The above was fixed "considering the availability of Solar number of sunny days in the State of Gujarat and MoUs signed by several project developers in response to the GoG policy of 2009". The relevant extracts of the tariff order dated 29.01.2010 are as under:

"5. Tariff for solar PV and Solar Thermal Power projects

In view of the foregoing discussions, the various parameters considered by the Commission for determination of tariff are given in the table below:

Parameters for determination of tariff

	Parameter (per MW basis)	Solar PV Power Project	Solar Thermal Power Project
Project Cost			
1	Capital cost per MW (Rs lakhs)	1650	1300
2	Debt- Equity ratio	70:30	70:30
3	Interest on loan	10.75%	10.75%
4	Return on Equity	14% p.a.	14% p.a
5	Income-Tax for first 10 years	16.995%	16.995%
6	Income tax from 11 th year onwards	33.99%	33.99%
7	O&M cost (% of the project cost)	0.5% of the capital cost (Rs. 8.25 lakhs) for the first year with escalation of 5% p.a.	1% of the capital cost (Rs. 13 lakhs) for the first year with escalation of 5% p.a.
8	Insurance Charges	0.35% of net asset	0.35% of net asset
9	Net CUF (at 100% grid & m/c availability)	20%	25%
10	Auxiliary consumption	Nil	10%
11	Actual machine availability	100%	100%
12	Actual grid availability	100%	100%
13	Project life (years)	25	25
14	Depreciation	6% for first 10 yrs. And 2% from 11 th year onwards.	6% for first 10 yrs. And 2% from 11 th year onwards.
15	Interest on working capital (i) Receivable of one month (ii) O&M expenses for one month	11.75%	11.75%

Based on the various parameters as discussed above, the levelised tariff including RoE of Solar PV power generation, using a discounting rate of 10.19% works out to Rs. **12.54** per kWh and levelised tariff using the same discounting factor for

*Solar Thermal Power generation works out to **Rs.9.29** per kWh. However, the Commission feels that it would be appropriate to determine tariff for two sub-periods: 12 years and 13 years instead of the same tariff for 25 years. Hence, the Commission determines the tariff for generation of electricity from Solar PV Power project at **Rs.15** per kWh for the initial 12 (twelve) years starting from the date of Commercial operation of the project and **Rs.5** per kWh from the 13th (Thirteenth) year to 25th (twenty fifth) year. The Commission also determines the tariff for generation of electricity from Solar Thermal Power project at **Rs.11** per kWh for the initial 12 (twelve) years starting from the date of Commercial operation of the project and **Rs.4.00** per kWh from the 13th (Thirteenth) year to 25th (twenty fifth)year.”*

- 6.6 Further, the Commission had also specified what would constitute Operation & Maintenance of solar panels. The Order dated 29.01.2010, inter-alia, reads as under:

“4.3 Operations & Maintenance Expenses

Operations and Maintenance (O&M) expenses consist of spares, employee cost, administrative and general expenses, repairs and maintenance, and insurance expenses. There is limited operating experience of MW scale Grid-connected solar power plants, in the State as well as in the country. The CERC has, in its order dated 3rd December,2009 in Suo Motu petition No.284 of 2009, adopted O&M expenses at Rs.9 lakhs /MW for Solar PV Projects and Rs. 13 lakhs/MW for Solar Thermal projects for the first year of operation (i.e. 2009-10) with 5.72% escalation per annum. Solar power plant’s operations and maintenance are carried out through a centralized maintenance system which results in economy in employee expenses, administrative and general expenses. The Commission had proposed O&M expenses for Solar PV Projects at the rate of 0.5% and for Solar Thermal projects @ 1% of the Capital Cost for the first year, to be increased @ 5% per annum from second year onwards. Additionally, insurance cost at the rate of 0.50% of the net asset of the project during the year had also been proposed.

.....

Commission’s Ruling

*The capital cost of Solar power projects is higher than other sources of electricity. The O&M cost at 0.5% for SPV **works** out to Rs. 8.25 lakhs/MW and 1% for STP works out to Rs. 13 lakhs/MW, which provides sufficient amount to project developers to carry out O&M activities. Moreover the 5% per annum escalation in O&M cost will address the issue regarding incremental cost in O&M cost to maintain plant in proper condition. The proposed rates of 0.5% for SPV and 1% for STP are in line with the rates adopted by the CERC. The rates adopted by the CERC include the insurance cost. However, keeping in view the huge investment involved, the Commission decides 0.35% of the net asset of the project as insurance charge in addition to the O& M charges at the above specified rates.”*

- 6.7 It is submitted that in Order dated 29.01.2010, this Commission has noted that there is a declining trend in the cost of solar PV projects. This Commission has held as under:

“4.1 Capital cost

.....

It is important to note that with the advancement in the technology of the Solar PV based installations, economies of scale and competition would decrease the capital cost for Solar Projects over a period of time which is also envisaged in the Solar Mission of the Government of India. The Commission had, after considering the above aspects, proposed in the draft order a normative capital cost of Rs.17 Cr/MW for Solar Photovoltaic Power projects and Rs. 13 crores /MW for Solar Thermal Power Project.

.....

Commission’s Ruling

*Solar Power projects are environment friendly and helpful in reducing the use of fossil **fuel**. However, in India, Solar Power projects are in nascent stage of development. As such reliable cost data for solar projects are not available. Objectors have suggested different rates without evidence in support of the rates which they have proposed. The Commission has received a tariff petition from M/s Astonfield Ltd. for 25 MW SPV power projects in which it has proposed capital cost*

of Rs. 17.55 crore per MW. CERC has in its order dated 3rd December, 2009 in suo motu Petition No.284 of 2009 considered capital cost at Rs.17 crores per MW for Solar Photovoltaic power project and Rs.13 crores per MW for Solar Thermal power project. The project developers have also signed MoU with Government of Gujarat as per the Solar Power Policy, 2009 for substantial quantity of power projects which indicate that Rs. 17crores per MW and Rs.13 crores per MW for Solar Thermal Power Projects are adequate. However, globally the costs of Solar PV Projects have shown declining trend over past couple of years, particularly the last few months and similar trend has been projected for the immediate future. In India also, a large number of solar projects have been planned and with increased production facilities, the cost of Solar PV modules is bound to come down.

- 6.8 Similarly, for the subsequent control periods, the Commission has issued the Tariff Order, 2012 and the Tariff Order, 2015 determining the Tariff Terms and Conditions for the purchase of electricity by GUVNL from Solar Power Projects commissioned during the respective control periods. In the said Orders the Commission again recorded the trend of decrease in cost of establishing solar projects, as under:

a. Tariff Order, 2012 (Order No. 1 of 2012 dated 27.01.2012):

"2.2 Cost of Photovoltaic Systems

2.2.1 Capital Cost

The cost of the photovoltaic modules account for more than half the cost of the entire photovoltaic power plant, and hence, have a substantial impact on the resultant Levelized Cost of Electricity (LCOE). However, the photovoltaic module prices, irrespective of module technology, have been steadily declining owing to research and development, industry adaptation and economies of scale. The module prices have declined by more than half over the last decade, and are expected to drop at the same rate in the near future.

b. Tariff Order, 2015 (Order No. 3 of 2015 dated 17.08.2015)

"2.1.1 Cost of Photovoltaic Modules

The cost of the photovoltaic modules account for about half the cost of the entire photovoltaic power plant, and hence, have a substantial impact on the resultant Levelized Cost of Electricity (LCOE). However, the photovoltaic module prices, irrespective of module technology, have been steadily declining owing to research and development, industry adaptation and economies of scale. The module prices have declined by more than half over the last decade. Moreover, the price for modules varies depending on the country of origin.

- 6.9 The significant reduction in the cost of PV modules, the research and development, the higher quantum of generation from the same installed capacity modules, etc., have been the salient features of the Solar PV Project's generation progressively since the establishment of 5 MW solar power project in January 2012. Over the period the capital cost and other operating cost of the Solar Modules have decreased very substantially resulting in significant reduction in per unit price of Solar Power.
- 6.10 It is evident that what was envisaged was routine maintenance and minor replacement of electronic components, and in no manner the wholesale replacement of the entire generating plant.
- 6.11 The capital cost for establishment of the solar project at that stage was much higher and the tariff as determined by the Commission was a promotional tariff considering the costs and parameters as then applicable. The capital cost for new panels to be installed at this stage is much lower and with much higher efficiency. In fact, the tariff for the new projects being established at present is only in the region of Rs. 2 per unit to Rs. 2.50 per unit.
- 6.12 Operation & Maintenance expenses at Para 4.3 of the 2010 Tariff Order (quoted above) provides for the day-to-day maintenance and this cannot be construed to authorize any of the solar power developers to undertake replacement of solar panels, equipment or incurring of expenditure on capital aspect of enduring nature. Operation and maintenance expenses as defined by the Commission do not

include cost of replacement of capital assets, these include '*spares, employee cost, administrative and general expenses, repairs and maintenance, and insurance expenses*'. The cost of replacement of solar modules forms a part of the capital cost of the project, and thus the cost of replacement, i.e., capital cost, cannot be considered as O&M expenses. The Commission in the 2010 Tariff Order has allocated only 0.5% of the capital cost for O&M expenses which shows clearly that O&M expenses were never meant to include capital expenditure towards replacement of modules. For example, if the boiler of a thermal power plant is required to be replaced, the cost incurred by the Generator for such replacement is to be as capital expenditure. The tariff initially fixed all such capital expenditure to be incurred at the cost of the developer and there cannot be any change. However, if certain routine maintenance work was undertaken on the existing boiler of the said thermal power plant, the same could be categorized as an O&M expense.

- 6.13 In the above background, it is stated that the generators cannot be permitted to replace the solar panels with new panels with much higher efficiency and much lower cost, at be entitled to the same tariff as provided for in the PPA and determined by the Commission in the year 2012.
- 6.14 The tariff provided for in the PPA is based on the costs and expenses prevailing then and the efficiency of the solar panels as then available. The Petitioner in effect is seeking to divorce the tariff determination from the capital cost and efficiency of the panels, which is not permissible.
- 6.15 It is submitted that substantial loss and prejudice that would be caused to the consumers at large if the Petitioner would seek the very high tariff based on historical capital costs, while virtually establishing a new plant at today's capital cost and efficiency. The test is that if the new generating plant was to be established under a separate power purchase agreement, what would be the tariff that the generator would be entitled to.

- 6.16 As according to the PPA, there is no provision allowing the generators to replace the solar panels to increase the output capacity of the solar power projects and thereby increase the quantum of generation over and above what they would have been able to generate considering the contracted capacity as per the PPA.
- 6.17 Upon the request of solar power producers, GUVNL devised a mechanism to streamline the replacement of damaged solar panel and at the same time to ensure that the generators shall undertake such replacement activity which does not result in enhancement in capacity/increase in generation and injection of energy to take advantage of tariff agreed in the PPA. The said common guidelines have been provided in this Order in the forgoing paras.
- 6.18 The Power project developers do not have an absolute and exclusive right to replace the damaged solar panels under law. This has been a consistent stand of GUVNL that the CUF after replacement of panels cannot be more than the Base CUF. This is the policy adopted by GUVNL while allowing the replacement of damaged solar panels which are otherwise not provided for in the PPA. While there may be a genuine need to replace damaged panels, it is, however, not open to the generators replacing the solar panel etc. to increase the installed capacity of the solar power projects and thereby increase the quantum of generation over and above what they would have been able to generate considering contracted capacity as per the PPA and the consideration in the Tariff Order and take advantage of the higher tariff which is available under the PPA as compared to the current market price of solar power. This is to ensure that the replacement is only for actual damage to the panels/modules.
- 6.19 The Petitioner was allowed replacement with certain conditions to ensure the protection of consumer interest. There is no justification for the consumers to pay a much higher tariff to the project, where the project is not permitted to replace the panels with new technology at a much lower cost.
- 6.20 The Petitioner through Letter dated 04.02.2021 had requested GUVNL to give permission for replacement of 13727 Nos of Solar PV Modules having total

capacity of 2829260. This was after the submission of report dated 01.02.2021 by VP Utilities and Services Private Limited.

- 6.21 The inspection of the site was conducted on 20.07.2021 consisting of an inspection team of the four state distribution companies, GETCO and GEDA.
- 6.22 GUVNL vide Letter dated 27.08.2021 conveyed to the Petitioner that in terms of the inspection, 765 modules with capacity of 0.1577 MW were found to be damaged and that the Petitioner was permitted to replace the same in a manner that the capacity of the replaced new modules does not exceed 0.1577 MW and listed other conditions in terms of GUVNL's policy for replacement of solar panels.
- 6.23 It is the stand of GUVNL that if the Petitioner were allowed to increase plant capacity and thereby CUF, then this would seriously prejudice consumer interest, as the Petitioner would be getting more tariff, while its cost of production would have gone down. GUVNL has the option to avail cheaper and more economical sources of power and the Petitioner cannot benefit at the cost of consumers of the State of Gujarat.
- 6.24 The Petitioner cannot exceed plant capacity more than 5 MW and it shall abide by the terms of the PPA. It cannot attempt to increase the CUF without permission from GUVNL.
- 6.25 It is submitted that cost of solar panel has significantly reduced today since 2010, when the tariff was determined. Taking advantage of the same, some solar power generators had been adding additional solar panels or replacing older panels with more efficient solar panels in their old power projects in order to generate more electricity and receive the higher tariff even though the costs associated with the said generation was much lower. If the said solar panels were installed in a separate power project, the tariff as on date available would be Rs. 1.99 per unit-Rs. 2.50 per unit. This is why the Generators are seeking to install it in older plant so that higher tariff can be claimed.

- 6.26 In the Petitioner's own submissions certain panels have been damaged due to 'micro cracks' or resultant damage or 'age degradation'. It is further the Petitioner's own case that micro cracks occur during shipping of panels or during installation, therefore at a belated stage seeking to replace panels that were defective to begin with cannot be permissible. Further, age degradation is a normal phenomenon that will occur over the term of the PPA. It is impossible to fathom that the solar panels installed at the time of commissioning will continue to operate in the same manner throughout the duration of a long term PPA, however the same would not entitle the Petitioner or any similarly placed solar power developers to *en masse* replace the solar panels.
- 6.27 GUVNL allows for replacement of panels in case there is any damage to the project, when the generators may be permitted to carry out repair and maintenance work and replacement of solar modules and this is subject to prior permission as well as physical inspection being carried out by GUVNL. This is to ensure that the replacement is only for actual damage to the panels/modules.
- 6.28 The Petitioner has been well aware that any replacement of panels can be done only after GUVNL verifies the damage. If not, this would allow any generator to install cheaper, more efficient panels with higher capacity/CUF and still claim higher tariff as per PPA.
- 6.29 It is submitted that GUVNL has fairly dealt with the aspect when there is a genuine requirement to replace physically damaged Solar Panels and equipments. However, solar power developers including the Petitioner are responsible for prudent operation and maintenance of the Power Plant and cannot claim any adjustments from time to time arising out of lack of maintenance or imprudent practices. In any event, it is not open to the Solar Power Developers to increase the inherent capacity of the power plant to generate more quantum of electricity over and above what they would have been able to generate before.

6.30 The Petitioner cannot be permitted to carry out replacement without considering factors of CUF and tariff also. The question is not just of capacity. The Petitioner cannot claim the tariff as applicable for panels/modules commissioned in 2010 for panels/modules installed in 2020 or 2021. The PPA also recognizes that the tariff would be applicable as per date of commissioning. Further, not only the capital cost of the Solar Power Plant had declined considerably over the years but also there has been significant technological evolution and availability of higher efficient solar panels and other equipments with lower capital cost. These have resulted in a significant increase in the quantum of generation with the same name plate/ installed capacity of Solar Power Plant.

6.31 Today's market price of modules does not justify making a payment at preferential in tariff allowed in 2010-2012, which was done with purpose of promoting solar projects. Allowing the SPDs to recover today's prices of solar panels, will amount to windfall gains to the agency and burden consumers of the state with higher electricity charges. Therefore, in any event, the Commission should allow only prevailing current prices of solar power for excess generation.

6.32 Further, the Petitioner's claim based on CUF as determined by the Commission vide the 2010 Tariff Order is misplaced. The Commission has fixed CUF of 20%, however most solar power developers have not even achieved even the 20% of the CUF, owing to the nascent stage of solar power projects, as noted by the Commission itself (quoted above). In view of the above, permitting the SPDs to now replace modules to achieve 20% CUF in terms of the tariff order, would necessarily mean that the solar power developers will generate more power than at the time of commissioning. In view of the same, the Commission should necessarily consider the Base CUF of the project.

7. Petitioner's written submission dated 11.08.2023-

7.1 The disputes between the Parties to the present Petition pertains to permission being sought by the Petitioner for replacement of Solar PV Modules solely to

achieve the full capacity of the Solar Power Plant and consequently to further comply with its obligations under the PPA for the sale of entire power generated from its Solar Power Plant to the Respondent for a period of 25 years being the period stated in the PPA.

- 7.2 The Petitioner submits that from 2017 it was observed by the Petitioner that there was reduction in generation from the Solar Power Plant since commissioning in 2010 and accordingly the Petitioner conducted various inspections/tests at the Solar Power Plant.
- 7.3 The Petitioner engaged third party agency for conducting a preliminary drone thermography test and IV curve test for entire 5 MW project capacity i.e., 24532 modules. A third-party agency, M/s Meissa Technologies Pvt. Ltd, conducted a preliminary drone thermography test on December 5, 2020, identifying anomalies in 4363 solar PV modules. The test included photographs illustrating the damaged modules, necessitating replacements. Subsequently, starting in December, the petitioner performed IV curve tests on all 24532 modules within the 5 MW plant. An IV curve report dated February 1, 2021, indicated that 56% of the modules, amounting to 13727, were significantly damaged or deteriorated. The analysis of both the reports was carried out by M/s VP Utilities & Services Pvt Ltd.
- 7.4 The Petitioner submits that as on date 2.89 MW Solar Power Plant is not functioning out of 5 MW because of the damaged / not working 13727 number of Solar PV modules.
- 7.5 Upon identification of the damaged/ deteriorated modules in the Solar Power Plant the Petitioners on 04.02.2021 has written letter to the Respondent stating that after the passage of nine years since installation, a total of 13,727 Solar PV Modules, with a cumulative watt-peak (Wp) capacity of 2,829,260, have suffered damage and deterioration due to various factors. The communication outlines a proposed remedy, wherein the damaged modules would be substituted with 8,383 new modules, maintaining the original total Wp capacity of 2,829,260. It is submitted that this replacement process aims to restore the Solar Power Plant's

agreed-upon capacity as defined in the PPA, without any intention of enhancing the plant's capacity.

- 7.6 The Petitioner submits that PPA is a sacrosanct in nature and it is inviolable. The terms of the PPA are binding to the contracting parties until the existence of the agreement / contract / PPA. No agreement / contract / PPA can be altered except followed by the procedure prescribed under the Law. Unilaterally imposing any conditions in the existing contract is to be considered as *void ab initio*.
- 7.7 It is submitted that the PPA continues to be in operation and power being supplied by the Petitioner to the Respondent consistently. It is submitted that one of the primary obligations of the Petitioner under the PPA clause 4.1 is to maintain and operate the Solar Power Plant and the corresponding obligation of the Respondent is to allow the Petitioner for O&M of the Solar Power Plant for continuous power supply to the respondent. It is emphasized that Article 4.2 of the PPA further obligates the Petitioner to operate and maintain the Solar Power Plant in accordance with Prudent Utility Practice as defined in Article 1 of the PPA. In view of the above, it is imperative that the Solar Power Plant of the Petitioner is to be maintained and is to be operated at its installed capacity i.e. 5MW using prudent utility practices and that no restriction has been mentioned with regards to replacement of defective/ degraded and or damaged modules.
- 7.8 Further, Article 5.2 of the PPA categorically states that the Respondent i.e. GUVNL shall pay the fixed tariff mentioned for the period of 25 years for all the scheduled energy / Energy injected as certified in the monthly SEA by SLDC. The tariff is determined by the Commission *vide* its Generic Tariff Order.
- 7.9 Therefore, the Respondent in terms of PPA cannot restrict the project developer to replace the defective solar PV modules. Under the O&M which is a *non-obstante* clause under the PPA, the Petitioner is mandated to keep Solar Power Plant in proper working condition and supply generated power to the Respondent as per the agreed terms of PPA.

- 7.10 The Petitioner respectfully states that provision of PPA does not restrict any replacement of defective solar PV modules by the Petitioner. Any such restriction stated by the Respondent is not as per the terms of the PPA.
- 7.11 The Respondent on 28.03.2019 sent a letter to the solar power developers stating that some of the solar power developer with whom the Respondent has power purchase agreements, had enhanced capacity of their plants or were planning to enhance capacity of their Plants to get higher CUF after achieving the COD of their projects, without the knowledge of the Respondent. The Respondent stated in the said communication that in case of any irregularity is found in terms of capacity enhancement mechanism or enhancement of CUF or change in panels after the COD, the said communication shall be considered as a notice for termination of the PPA and hence the PPA shall be terminated without further notice. The Respondent has introduced herein the concept of Base CUF.
- 7.12 The Respondent replying to the Petitioner's letter dated 04.02.2021 sent another letter dated 27.08.2021 stating that, *"inspection carried out by the team on 20.07.2021 and as per the inspection report, 765 existing modules with capacity of 0.1577 MW are found damaged. The details of damaged modules is enclosed in Annexure -A."*
- 7.13 On interpreting the letter dated 28.03.2019, it is evident that Respondent unilaterally sought to impose condition pertaining to 'CUF' and 'Base CUF' by incorporating a new condition contrary to the terms of the PPA which consequently amounts to re-writing of the PPA contrary to intention of the parties at its inception despite knowing that there is shortfall in generation.
- 7.14 The Petitioner has challenged the restrictions put up by the Respondent and detailed reply submitted by the Petitioner unilaterally not allowing replacement of deteriorated/ damaged/ defective modules which are affecting power generation from the Solar Power Plant.

7.15 A restriction has been imposed by the Respondent, GUVNL, as evident from its communication dated 27.08.2021, with particular focus on the content within the para 2 which states that-

"The total generation of the project throughout the balance period of term of the PPA pursuant to the replacement of the panels does not exceed the base CUF. The CUF of the past period from the date of commissioning of the project till the date of approval of replacement of panels shall be considered as the Base CUF for this purpose."

7.16 The Petitioner submits that devised guidelines imposed on the Petitioner by the Respondent vide its letters with regards to the CUF and Base CUF is without the approval of the Commission and hence it is not maintainable under the various legal provision because it forms a substantial question of law.

7.17 Further, it is pertinent to note that for a Solar Photovoltaic (SPV) Project, Capacity Utilization Factor ("CUF") is the ratio of actual energy generated by the SPV over the year to the equaling energy output at its rated capacity over the yearly period. In simple terms, one plant of 1 MW capacity, does not give output of 1 MW, round the year. But it depends on many things like location of the plant, Sunshine hours, type and quality of solar panels used, operation and maintenance standards of the plant.

7.18 The only relevance of CUF in the context of PPA can be in accordance with Generic Tariff GERC's order No. 2/2010 ("Generic Tariff Order") dated 29.1.2010. The relevant portion of the Generic Tariff Order is reiterated below for ease of reference:

"4.10. Capacity Utilization Factor (CUF)

"The energy generation for Solar Power project depends on Solar radiation measured in kWh/sq.m/day and number of clear sunny days. The output of Solar Cell is measured in terms of Wp (Watt Peak) and refers to nominal power under standard Test Conditions (STC) (1000 W/m², 25°C, 1.5 PM). The capacity utilization factor depends on site specific parameters like insolation and ambient conditions as well as the technology adopted for power generation."

7.19 The Commission vide Generic Tariff Order has proposed CUF at 20% for SPV and 25% for STP. It is submitted that this Solar Power Plant is under "SPV" i.e. 20% of CUF.

- 7.20 The Petitioner submits that the Commission has determined generic tariff of Rs. 15 per kWh for the initial 12 years, starting from date of commercial operation of the project, and Rs. 5 per kWh from the 13th year to the 25th years, for the Solar photovoltaic projects. Once the Generic tariff is determined and accepted by the Government of Gujarat, all normative parameters including CUF, considered for its judgment get subsumed into it. Therefore, any guideline contrary to its own acceptance and in absence of any legal backing, is invalid and *void ab initio*.
- 7.21 The Petitioner submits that the Respondent has created the sub-contract by passing suo moto guideline without the permission of the Commission, which is manifestly arbitrary, unjust and unreasonable and without the jurisdiction since it raises a substantial question of law being outside the PPA and the Generic Tariff Order of this Commission. [Nazir Mohamed v. J. Kamala and Ors. (AIR 2020 SC 4321)]
- 7.22 Further, as per Order - 14 Rule - 1 (4) a, b and Rule - 2 (a) of Civil Procedure Code – 1908 the court has to frame the issue on fact. The present matter is regarding the right of the Petitioner to operate and maintain Solar Power Plant as per the terms of the PPA. The new guidelines devised by the Respondent by way of its Notice is a separate question of fact and law.
- 7.23 The Petitioner states that, as per Section 181 (3) of the Electricity Act 2003, it is mandatory for the Commission to regulate and approve the devised guidelines imposed by the Respondent inter alia CUF and Base CUF to be published as a draft regulation to give effect as amendment in the Tariff order / amendment in the existing PPA for the information of persons / solar power producers likely to be affected thereby for inviting the objection or suggestions following the procedure prescribed under the Electricity (Procedure for previous publication) Rules – 2005 and shall be finalized after considering such objection or suggestion received.
- 7.24 Hence, in the light of above discussion, the Commission is required to quash and set aside all the unilaterally devised guidelines and various terms like Base CUF,

Average CUF which enumerated in Para 10 of the reply of the Respondent and quash and set aside the Respondent letter dated 28.03.2019 and 27.08.2021.

7.25 The Petitioner submits that the Petitioner has no intention to increase the power generation capacity of the Solar Power Plant. Instead, their objective is solely focused on maintaining the existing capacity of 5 MW. This intention is clearly stated as they seek to replace solar modules, which are integral components of the power plant's operation.

7.26 The Respondent has authorized the replacement of a mere 765 modules, each with a capacity ranging between 335 Wp and 340 Wp. This falls significantly short of addressing the larger issue at hand – the need for the replacement of a total of 13,727 defective, damaged, or inactive modules of the Solar Power Plant. These modules collectively contribute to a substantial power generation deficiency of 2.89 MW. The current course of action, limited to the replacement of a small fraction of modules, fails to adequately rectify the substantial power generation deficit caused by the larger number of faulty modules.

7.27 The Petitioner further submits that the reason provided by the Respondent for allowing replacement of only 765 solar modules *vide* its letter dated 27.08.2023 has been laid down in its Reply. The Respondent in its reply states that the *“Damaged panels would include panels with scratches or cracks, broken panels, burnt panels or any other kind of physical damage. Mere degradation of panels shall not be considered as damaged modules as degradation of panels is a natural phenomenon”*.

7.28 The Petitioner submits that solar modules are designed with a projected lifespan of 25 years. However, it is crucial to acknowledge the influence of various external factors such as temperature variations, humidity, UV irradiation, precipitation (rain, snow, hail), wind, and sand exposure. These elements collectively pose potential threats to the integrity of the protective materials in solar photovoltaic modules, ultimately contributing to a range of distinct failures or damages. Among the most prevalent defects that instigate harm within solar photovoltaic modules

are encapsulant delamination, encapsulant discoloration, the emergence of hot spots, the formation of snail trails, the occurrence of cracks, susceptibility to light-induced degradation, instances of physical damage, and the natural progression of age-related degradation. An understanding of these multifaceted influences and possible defects is pivotal to maintaining the sustained performance and longevity of solar modules over their anticipated operational span.

7.29 The Petitioner therefore respectfully asserts that relying solely on visual inspections or physical damage to determine module degradation is insufficient. Certain underlying or latent problems may remain concealed, necessitating the expertise of specialists employing specialized testing methodologies, tools, and techniques. While visibly damaged modules, such as those exhibiting scratches or dents on their frames, might not necessarily affect module power performance, there exist more complex issues like burns or cell cracks that elude naked eye detection yet have the potential to result in degradation or the development of hotspots. Therefore, a comprehensive assessment conducted by experts is imperative to accurately identify and address these nuanced concerns that may not be readily apparent through visual observation alone. The Petitioner has carried out technical tests at site including drone thermography and IV curve analysis before concluding that modules were degraded/ defected/ deteriorated/ damaged.

7.30 The Petitioner shall be allowed to replace 13727 numbers of damaged Solar PV modules in total by installation of 8383 numbers of new solar PV modules having higher wp capacity and carry out other necessary repair works in the Solar Power Plant to enable the Petitioner to operate the Solar Power Plant at installed capacity of 5 MW in terms of the PPA. The Petitioner once again affirms that the replacement of 8383 numbers of modules at the Solar Power Plant will not increase the capacity.

7.31 The Petitioner's submits that the plea for replacement of solar modules is with an aims to generate power within the contracted capacity of 5 MW under the PPA. It is crucial to assert that merely updating obsolete solar modules with the latest

technology does not inherently indicate an intent to escalate the contracted capacity or seek advantage of higher tariffs.

7.32 Further, the Petitioner is obligated by the PPA terms to deliver a consistent 5 MW solar energy supply. Fulfilling this commitment mandates the optimal functioning of the Petitioner's Solar Power Plant at its 5 MW installed capacity. Hence, the Petitioner's prerogative to replace 13,727 deteriorated solar modules (equivalent to 2.83 MWp) with 8,383 new modules (equivalent to 2.83 MWp) aligns with maintaining the existing watt-peak capacity and operational efficiency of the Solar Power Plant, ensuring its seamless functionality. The Petitioner is seeking replacement only with a bonafide intention within the four corners of the PPA.

7.33 The Petitioner respectfully submits that the Petitioner had made huge investment to the tune of Rs. Sixty-Three Crore Ninety Lakh (Rs. 63,90,00,000) for setting up the Solar Power Plant. It is submitted that the Petitioner has suffered significant losses attributed to a generation shortfall over the past three years and nine months, culminating in December 2022. This period shows a substantial revenue deficit of about Twelve Crore Twenty-One Lakhs (Rs. 12,21,00,000.), from an accumulated loss of approximate Eighty-One Lakh Thirty Thousand (81,30,000) units in generation.

7.34 The Petitioner submits that due to shortfall the Petitioner is unable to service the debt/term loan availed from L&T Financials for setting up the Solar Power Plant. The situation has escalated to the point where our O&M provider, security service contractor, and other entities responsible for daily operations have issued threats to suspend their services unless payments are promptly made according to the scheduled dates.

7.35 The Petitioner reiterates that of about 2.89 MW Solar Power Plant is not functioning out of 5 MW because of the damaged/ deteriorated/ defected/ degraded 13727 number of Solar PV modules resulting into the substantial financial loss therefore it is imperative to replace estimated 8383 Nos. of Solar PV modules to achieve 5 MW of electricity generation. Further, the petitioner will be

spending additional Rupees Eight Crore Sixty-Four Lakhs (Rs. 8,64,00,000) to be invested under operation and maintenance to achieve 5 MW of power generation.

7.36 The Petitioner has placed reliance on the following Judgments.

- (i) GERC Order dated 03.11.2022 in Petition No. 1985 of 2021 (paragraphs no. 9.51 (i) and (ii), 9.52, 9.53, 10.23, 10.24, 10.25, 10.26, 10.27).
- (ii) GERC Order dated 11.06.2021 in Petition No. 1936 of 2021 (paragraphs 11.4 and 12.13).
- (iii) Hon'ble SC Judgement dated 18.11.2022 in the matter of The State Of Madhya Pradesh vs Sew Infrastructure Limited (paragraphs 21, 22, 23, 24).

7.37 Therefore, this Petition is filed to quashing and set-aside impugned letters of GUVNL dated 28.03.2019 and 27.08.2021.

FINDING AND CONCLUSION:

8. Heard the parties.

8.1 We note that the present Petition has been filed by the Petitioner challenging the communication dated 28.03.2019 and 27.08.2021 of the Respondent whereby the Respondent has informed the Petitioner that the Petitioner would replace the solar PV modules limited to the conditions stated in the said letters and the CUF of the plant will not increase more than "Base CUF". The Petitioner has challenged the said action of the Respondent and sought directives of the Commission to decide and declare that the restriction put up by the Respondent against the replacement/installation of solar PV modules at its existing plant with a condition that the "CUF" of the plant will not more than "Base CUF" communicated by the Respondent vide its letter dated 03.09.2020 and 27.08.2021 is illegal, arbitrary and in contraventions of provisions of the PPA dated 09.12.2010 between the parties and is against the Order of the Commission.

8.2 The following facts are undisputed between the parties:

- (i) The Petitioner is having 5 MW solar PV power project.
- (ii) The Power Purchase Agreement executed between the Petitioner and the Respondent on 09.12.2010. It was agreed between the parties that the electricity generated from the solar power plant of the Petitioner be sold to

the Respondent for entire life of the project i.e. for 25 years. A supplementary PPA dated 28.04.2011 was also entered into between the Parties due to change in Solar Power Plant location.

- (iii) The Solar Power Plant was commissioned and ready for commercial operation on 18.01.2012 as per the certificate of commissioning dated 22.02.2012 issued by Gujarat Energy Development Authority to the Petitioner.
- (iv) The Respondent vide its letter dated 28.03.2019 informed the Petitioner (solar power project developers) that some of the project developers have enhanced their plant capacity or planning to enhance capacity of the plant to get higher CUF after achieving the COD of the project without knowledge of the Respondent. It is also stated that if, any such irregularity is found in terms of capacity enhancement mechanism or CUF enhancement or change of panels after COD shall be considered as notice for termination of PPA and therefore, in such a case PPA shall be terminated without further notice.
- (v) The Petitioner engaged third party agency for conducting a preliminary drone thermography test and IV curve test for entire 5 MW project capacity i.e., 24532 modules. A third-party agency, M/s Meissa Technologies Pvt. Ltd, conducted a preliminary drone thermography test on December 5, 2020, identifying anomalies in 4363 solar PV modules. The test included photographs illustrating the damaged modules, necessitating replacements. Subsequently, starting in December, the petitioner performed IV curve tests on all 24532 modules within the 5 MW plant. An IV curve report dated February 1, 2021, indicated that 56% of the modules, amounting to 13727, were significantly damaged or deteriorated. The analysis of both reports was carried out by M/s VP Utilities & Services Pvt Ltd.
- (vi) The Petitioners on 04.02.2021 has written letter to the Respondent stating that after the passage of nine years since installation, a total of 13,727 Solar PV Modules, with a cumulative watt-peak (Wp) capacity of 2,829,260, have suffered damage and deterioration due to various factors. The communication outlines a proposed remedy, wherein the damaged

modules would be substituted with 8,383 new modules, maintaining the original total Wp capacity of 2,829,260. It is submitted that this replacement process aims to restore the Solar Power Plant's agreed-upon capacity as defined in the PPA, without any intention of enhancing the plant's capacity.

- (vii) The inspection of the site was conducted on 20.07.2021 consisting of an inspection team of the four state distribution companies, GETCO and GEDA.
- (viii) The Respondent-GUVNL vide Letter dated 27.08.2021 conveyed to the Petitioner that in terms of the inspection, 765 modules with capacity of 0.1577 MW were found to be damaged and that the Petitioner was permitted to replace the same in a manner that the capacity of the replaced new modules does not exceed 0.1577 MW and listed other conditions in terms of GUVNL's policy for replacement of solar panels.

8.3 It is noted that the 'Certificate of Commissioning' dated 22.02.2012 shows that-

1. Total Capacity – 5.04104 MW (DC)
2. Type of pv modules- Poly Crystalline
3. Nos. and Capacity of Modules- 6480 modules of 200 W, 9076 modules of 205 W and 8976 modules of 210 W
4. Inverters- AEG make 10 inverters- 500 kW each
5. Connected to GETCO- 66kV Shivlakhya substation

8.4 It is also noted that the Petitioner has carried out third party inspection and performance evaluation of the plant in December 2020 and January 2021. Based on the drone thermography and IV curve testing carried out, a report was issued by VP Utilities and Services Pvt Ltd in February 2021, wherein it emerged that certain modules had degraded due to different types of defects resulting in decline of solar generation. The relevant findings of the report read as:

- (a) Drone Thermography Analysis: Total 4363 anomalies found after conducting the test. The solar pv modules have issues including bypass diode, hotspot cell issue, multi-cell damage, modular power mismatch. It was found that there is energy loss. It was recommended to consider replacement.

(b) IV Curve Testing: Total 13727 modules found to be highly degraded/deteriorated. The test result clearly shows series loss, shunt loss, mismatch loss, reduced current and reduced voltage. More than 50% of the modules are not producing power as per the warranted values.

In the report it is mentioned that CUF of the plant is reduced from 21.59% in the calendar year 2012 to 15.38% in the calendar year 2020 and concluded that 2.83 MW of modules (Nos- 13727) shall be replaced across all inverters of the Project.

- 8.5 It is also noted that the GUVNL staff who visited project site on 20.07.2021 have recorded that 94 pv modules were missing on structure and found as removed from structure at the Petitioner plant. Further it is mentioned that total 765 modules are found to be damaged with total capacity of 0.1577 MW.
- 8.6 The claim of the Petitioner was further substantiated by an important aspect that the CUF of the plant declined from 21.68% in the calendar year 2013 to 15.38% in the calendar year 2020.
- 8.7 The Petitioner has also provided technical details and requisite data in support of its claim for replacement of 13727 solar panels/modules through affidavit dated 20.04.2023.
- 8.8 While going through the Advance Infrared Audit Report submitted by the Petitioner, it is noted that in Advance Infrared Audit, 20069 modules are found healthy and in 4363 modules some anomaly is found. Further 'fault category' wise breakup for the anomaly is provided as under-

Fault Category	Number of Modules
Remediation Recommended	1292
Monitor & Remediate	577
Long-Term Monitoring	2494

8.9 It is also observed that under the head of 'Anomaly Classification', it is written that-

“Remediation Recommended

Modules that pose a significant known energy loss or potential safety hazard on the site which require prioritized attention to recover energy loss and improve site safety.

Module level anomalies in this remediation category are likely to be eligible for warranty replacement.

Monitor and Remediate

Modules with a high probability of causing system energy loss. The choice to remediate modules depends on anomaly density, replacement costs, and replacement availability.

It is recommended to determine the performance degradation caused by the anomaly and to process a warranty claim if expected energy loss exceeds manufacturer's thresholds. In many cases, there can be an economic justification for replacing modules in this category even in the absence of a warranty claim.

Long-Term Monitoring

These modules have a low probability of causing extensive energy loss. These anomalies are unlikely to require remediation immediately but tracking the progression of anomalies over time is recommended.

A high density of long-term monitoring anomalies, or specific groupings of these anomalies may be indicative of system serial defects. “

8.10 It is noted that the Petitioner has also submitted IV Curve testing details for 13727 modules, which are proposed by them to replace. The details are in following format-

S.No.	Date	INV No	SJB No	String No	Module Sr. No.	Radiation	STC Pmax	Fill Factor	Voc	Isc	Vmpp	Impp

8.11 We note that the Petitioner has prayed for allowing replacement of damage/deteriorate solar PV modules in total 13727 Nos. with an installation of 8383 Nos. of new solar PV modules and also carried out other necessary repair works to enable the Petitioner to generate the electricity from the plant. We also note that the Petitioner has contended that it has proposed for replacement of modules based on plant performance survey report done by VP Utilities and Services Pvt. Ltd. It is therefore necessary to refer the observation of above agency, i.e. VP Utilities and Services Pvt. Ltd. The relevant portion of the above report is reproduced below:

“4. MODULE DIAGNOSTIC ANALYSIS

(a) Konark performed drone thermography analysis and IV curve testing on solar pv modules to understand the generation shortfall.

Drone Thermography Analysis: Total 4363 anomalies found after conducting the test.

Observation: The solar pv modules have issues including bypass diode, hotspot cell issue, multi-cell, damage, module power mismatch. It was found that there is energy loss. It was recommended to consider replacement.

(b) IV Curve Testing: Total 13727 modules found to be highly degraded/deteriorated.

Observation: The test results clearly show series loss, shunt loss, mismatch loss, reduced current and reduced voltage. More than 50% of the modules are not producing power as per the warranted values."

8.12 As per aforesaid report it is clear that there is drone thermography analysis and IV curve testing on solar PV modules carried out by the aforesaid agency to understand the generation shortfall.

8.13 It is also stated that in drone thermography total 4363 anomalies found after conducting the test. The observations of the drone thermography analysis state that solar PV modules have issues including (i) bypass diode, (ii) hotspot cell issue, (iii) multi-cell, (iv) damage, (v) module power mismatch. It is also state that due to it the energy loss is there.

8.14 It is also stated that in IV curve testing total 13727 modules found highly degraded/deteriorated. It is stated that the test result clearly shows series loss, shunt loss, mis-match loss, reduced current and reduced voltage. Further, it is stated that 50% of modules are not producing power as per the warranted values.

8.15 It is therefore necessary to see the technical data and sheet of 'Vikram solar modules', which were installed at Petitioner plant and technical data sheet of the modules provided by the Petitioner and analyze the same with the testing carried

out by the VP Utilities and Services Pvt. Ltd. It is necessary to refer the observations recorded by the above testing agency which are reproduced below:

“.....

<i>Fault Category</i>	<i>Number of Modules</i>	
<i>Remediation Recommended</i>	1292	
<i>Monitor & Remediate</i>	577	
<i>Long-term monitoring</i>	2494	
<i>Fault Type</i>	<i>Number of Modules</i>	<i>Percentage</i>
-Bypass Diode	1126	25.0%
-Speckled (Short circuit, PID, Design Anomaly)	0	0.0%
-Module Offline	0	0.0%
-Cell	783	17.0%
-Multi-Cell	860	19.0%
-Shading	0	0.0%
-Physical Damage	0	0.0%
-Vegetation	0	0.0%
-Module Power Mismatch	1594	36.0%
-Other	0	0.0%
<i>Total</i>	4363	

<i>Remediation Recommended</i>	
<i>Fault Category</i>	<i>Number of Modules</i>
-Bypass Diode	1126
-Speckled (Short circuit, PID, Design Anomaly)	0
-Module Offline	0
-Cell	103
-Multi-Cell	59

-Shading	4
-Physical Damage	0
-Vegetation	0
-Module Power Mismatch	0
-Other	0
Total	1292

Monitor & Remediate	
Fault Category	Number of Modules
-Cell	402
-Multi-Cell	169
-Module Power Mismatch	6
-Other	0
Total	577

Long-Term Monitoring	
Fault Category	Number of Modules
-Cell	277
-Multi-Cell	632
-Module Power Mismatch	1584
-Other	0
Total	2494

Anomaly Classification

A) Basis Corrective Action Recommended

Remediation Recommended

Modules that pose a significant known energy loss or potential safety hazard the site which require prioritized attention to recover energy loss and improve site safety.

Module level anomalies in this remediation category are likely to be eligible for warranty replacement.

Monitor and Remediate

Modules with a high probability of causing system energy loss. The choice to remediate modules depends on anomaly density, replacement costs, and replacement availability.

It is recommended to determine the performance degradation caused by the anomaly and to process a warranty claim if expected energy loss exceeds manufacturer's thresholds. In many cases, there can be an economic justification for replacing modules in this category even in the absence of a warranty claim.

Long-Term Monitoring

These modules have a low probability of causing extensive energy loss. These anomalies are unlikely to require remediation immediately but tracking the progression of anomalies over time is recommended.

A high density of long-term monitoring anomalies, or specific groupings of these anomalies may be indicative of system serial defects.

B) Basis Type of Anomaly

<i>Cell</i>	<i>Bypass Diode</i>	<i>Multi-Cell</i>	<i>Other</i>	<i>Speckled</i>	<i>Module Offline</i>
<i>Square hotspot in one cell</i>	<i>Typically warmer or 2/3 of module</i>	<i>1/3 Hotspot in more than one cells</i>	<i>Shading, Junction Box issues, etc.</i>	<i>Short-circuit, PID, Multi-Cell</i>	<i>Entire module is warmer</i>

.....”

In the aforesaid advance infrared audit the testing agency has suggested basic corrective actions are categorized in three categories i.e. (i) Remediation Recommended (ii) Monitor and Remediate and (iii) Long-Term Monitoring. The type of anomaly also observed in advanced infrared audit are categorized as (i) Cell, (ii) Bypass Diode (iii) Multi-cell (iv) Other (shading, junction box issues etc.) (v) Speckled (short circuit, PID, multicell) (vi) Module Offline.

8.16 The list of such aforesaid defect and defect observed of 4363 modules which are situated in different rack, panel, severity issue type temperature, longitude, latitude details are provided in tabular form by the Petitioner along with the details of testing carryout by the VP Utilities and Services. We also note that the Petitioner has not submitted that details of above modules specifying the different rack, panel, segments, by the Petitioner. Hence, the Commission is not able to specify the above details while allowing replacement of such modules.

8.17 We also note that the Petitioner has submitted VP Utilities and Services report dated 31.01.2021 for IV curve testing report of the Petitioner plant carried out by the aforesaid agency during December 2020 and January 2021. It is stated that there is found anomalies more than 13000 modules containing the details of the test carried out by the aforesaid testing agency. On verification of the report/table provided by the aforesaid agency, it is found that the details are provided for 13727 modules by the testing agency which consists of the date of (i) testing, (ii) inverter number, (iii) SJB no. (iv) string no. (v) module serial no. (vi) radiation (vii) STC P max (viii) Fill factor (ix) Voc (x) Isc (xi) Vmpp (xii) Impp.

8.18 The Petitioner has also provided the technically Vikram Solar ELDORA POLY-CRYSTALINE SOLAR PV MODULE technical data sheet consist of I-V Curve of PV Module ELDORA POLY-CRYSTALINE SOLAR PV MODULE 210 for the range from 100 Watt/M² to 1000 Watt/ M². The performance guaranteed power output of 90% for 10 years and 80% for 25 years provided by the solar module suppliers. The said details is reproduced below:

“

Features

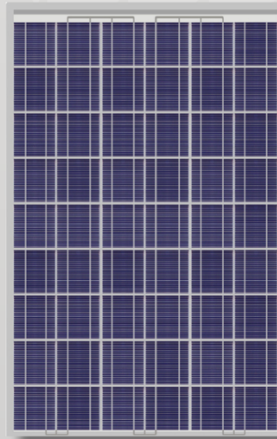
- High conversion efficiency based on leading innovative photovoltaic technologies
- High reliability with guaranteed 0~+4.99 Wp power output tolerance, ensuring return on investment
- Withstands high wind-pressure and snow load (passed 5400Pa mechanical loading test), and extreme temperature variations
- Optimal output over decades, with very good low light response

Quality and Safety

- 25-year limited power output warranty **
- Rigorous quality control meeting the highest International standards
- ISO 14001 (Environment Health and Safety) Certified Factory
- ISO 9001:2008 (Quality Management System) Certified Factory
- IEC 61215, IEC 61730, IEC 61701, CE, UL 1703, MCS
- Strict adherence to Electroluminescence Testing ensuring micro-crack free Modules

Recommended Applications

- On-grid utility systems
- On-grid commercial systems
- Off-grid ground mounted systems



* Electrical Parameters tolerance $\pm 3\%$ except P_{mpp}

Type	ELV 195	ELV 200	ELV 205	ELV 210	ELV 215	ELV 220
Nominal power P_{mpp} (0~+4.99Wp)	195	200	205	210	215	220
Nominal voltage V_{mpp} (V)	25.65	26.00	26.30	26.60	26.90	27.15
Nominal current I_{mpp} (A)	7.60	7.70	7.80	7.90	8.00	8.10
Open circuit voltage V_{oc} (V)	32.80	32.80	33.00	33.00	33.20	33.20
Short circuit current I_{sc} (A)	8.00	8.10	8.20	8.30	8.40	8.50
Module efficiency (%)	13.40	13.70	14.05	14.40	14.60	15.07

T_c of Open circuit voltage (β)	-0.32 % / $^{\circ}$ C
T_c of short circuit current (α)	0.04 % / $^{\circ}$ C
T_c of Power (γ)	-0.45 % / $^{\circ}$ C
Maximum system voltage	1000 V(TUV), 600V(UL)
NOCT	45 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C
Temperature range	-40 $^{\circ}$ C to + 85 $^{\circ}$ C

Length	1486 $\pm$ 1.5mm
Width	982 $\pm$ 1.5mm
Height	36mm
Weight	15.5 Kgs
Junction Box	IP65, sunbolts / Tyco with 3 bypass diodes
Cable & Connectors	4mm ² , TUV & UL Certified, 1000 mm
Application class	CLASS A (Safety Class II)
Front cover	High Transmission, Low Iron, Tempered Glass
Cells	54 pcs poly-crystalline solar cells (156 X 156mm), 2BB & 3BB
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Back cover	Composite film
Frame	Anodized aluminium frame with twin wall profile
Maximum surface load capacity	According to IEC 61215, 5400 Pa

Guarantees and Certifications

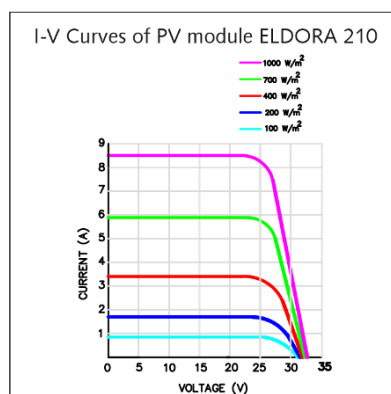
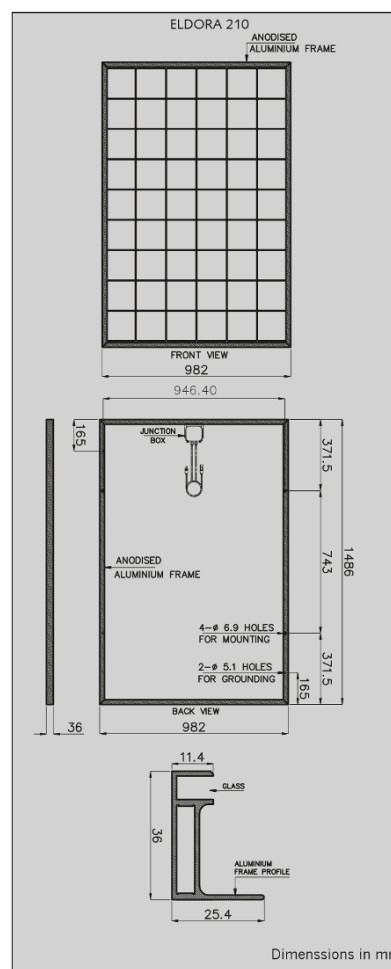
Product Warranty**	5 Years
Performance Guarantee**	Guaranteed Power Output of 90% for 10 Years and 80% for 25 Years
Approvals and Certificates	TUV: IEC 61215 Ed.2, IEC 61730, IEC 61701, UL1703, MCS, CEC Listed

Packing Information

Quantity/Pallet: 28
Pallets/Container (40'HC): 28
Quantity/Container (40'HC): 784

Your specialty retailer:

*CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT
** Refer to Vikram Solar's warranty document for terms and conditions



.....”

8.19 As per the above details it is clear that the performance guarantee output of 90% for 10 years and 80% for 25 years given by the module manufacturer. Thus, it is clear that the modules purchased by the Petitioner is with knowledge and acceptance that the modules installed at its plant are degradable and the module supplier has provided performance guarantee of 90% for 10 years and 80% for 25

years. Thus, the degradation should be 10% to 20%. Hence, the modules which were installed by the Petitioner at its plant during construction with knowledge that they are degradable and affecting the output of the plant. Therefore, the claim of the Petitioner against the same that they are defective and affecting the output of the plant is not correct and valid. So far as the solar modules which are functional and not defective i.e. not generating power is not qualified for replacement as prayed by the Petitioner.

8.20 The Commission has analyzed the data provided for 13727 modules I-V testing carried out by the VP Utilities and Services and observed the following facts reflecting the data submitted by the Petitioner in table below:

Analysis of the degraded modules as per IV chart				
Sr. No.	Range of degradation as per analysis from I V Chart	Total no. of modules		
1	Below 5%	1008		
2	Between 5% and below 10%	325		
3	Between 10% and below 15%	915		
4	Between 15% and below 20%	896		
5	*Positive deviation as per analysis (negative degradation)	823		
	Total	3967		

** Note – from the analysis it seems that there is no degradation in the modules Performance efficiency, but it indicates positive value against the standard value for degradation.*

8.21 The detail analysis from aforesaid data carried out by the Commission is kept as **Annexure – I** to this Order.

8.22 From the aforesaid observations, we found that the claim of the Petitioner that from the I-V Curve testing and analysis during December 2020 and January 2021 and report of February 2021 indicates 56% of modules amounting to 13727 Nos. of modules having capacity of 2.89 MW solar power plant is not functioning out of

5 MW because of damaged/not working modules is not correct and valid because the analysis as stated above indicates that the status of the modules on testing date are categorized in (i) non-performing, (ii) over performing, (iii) degraded in the range of 0% to 20%. It is also observed that there are degradation of modules, performance efficiency above 20% than agreed to provide by the module supplier and it also lead to lower generation of the plant. Such modules are having degradation above 20% to 90% and affecting output of the plant but they are not qualifying as defective or damage modules. We have considered for this Petition analysis wherein the Petitioner itself has accepted that modules may be degraded 10%/20% during 25 years of the project life and considered them as not allow for replacement.

8.23 We also note that the technical datasheet module supplier i.e. Vikram Solar provided by the Petitioner indicates that the performance guarantee given by the module supplier is of (i) power output of 90% for 10 years and (ii) 80% for 25 years. Thus, the module supplier has ensured that the modules are operating in the range of minimum of 80% to 90%. As recorded in the analysis that some of the modules are performing well within degradation or 5%, 10%, 15% and 20% also. We also note that while installing the plant the Petitioner itself has considered and purchased the solar modules which are degradable and operate in the range of 90% to 80% during the life cycle of 25 years of the plant. Therefore, the anticipation of the Petitioner that the modules be operate at 100% efficiency without incurring any loss in generation is not valid and legal because while installing the plant the Petitioner has choose/selected the modules which are degradable and affecting the output of the plant. Further, it is not a case that 100% solar modules of 13727 nos. become defective/non-functional as per the analysis of I-V curve data submitted by the Petitioner. We also note that merely degradation of the solar modules is not a ground to allow the Petitioner to replace the modules which are working as per the test report. We also note that the Petitioner plant was commissioned on 22.02.2012. Thereafter, 08 years and 10 months already passed on. With consideration of the life of project completed it is anticipated that the solar modules which are installed by the Petitioner at its plant

by purchasing at relevant time is degradable modules with time and affecting the output is admitted facts. The datasheet submitted by the petitioner for module purchase by it indicates that the modules are degradable and the same degraded within ten years in the range of 0% to 20%. The Petitioner plant has completed 08 years and 10 months from COD. Thus, the modules installed at Petitioner plant are degradable as per the datasheet submitted by the Petitioner. Hence, the claim of Petitioner for the modules degraded upto 20% need to be replaced is not correct and valid because the Petitioner itself has purchased the modules installed at its place are degradable in the range of 0% to 20%. It is not valid reason because the solar modules be degraded within range of 0% to 20% by the Petitioner. Therefore, we are of the view that some of the modules which are either over perform or performing with degradation within range of 20% of the capacity are not permissible for replacement because they are not fall in category of defective modules or damaged modules. But they are functional modules with variance in the degraded output from the plant.

8.24 From the aforesaid observation we are of the view at present 3967 nos. of modules are not replaceable. Out of 13727 modules for which I V testing carried out by the Petitioner 9760 modules only can be allowed to be replaced.

8.25 The Petitioner has submitted the advanced infrared audit report of the testing agency wherein it is stated that 4363 modules have different defects as stated above and 13727 modules are found anomaly and based on it the Petitioner has requested to allow the replacement of 13727 nos. of modules. As recorded earlier part of this Order the Petitioner is eligible to replace 9760 modules out of 13727 nos. of modules. There is no details submitted by the Petitioner wherein it is specified that whether 4363 nos. of modules stated as defective are part and parcel of 13727 nos. of modules or not. Considering the above, we are of the view that the Petitioner is eligible for replacement of **9760** nos. of modules which are degraded above 20% of module capacity or defective or damaged are replaceable.

8.26 Considering the above facts, we are of the view that the claim of the Petitioner that requirement of replacement of 9760 solar modules seems valid. The contention of the Respondent that there were only 765 modules were damaged is not valid and correct, hence the same is not accepted and rejected. We are of the view that the claim of replacement of damaged/defective modules exists at Petitioner's plant as per thermographic/infrared scanning and IV testing carried out by the Petitioner is correct and valid and the Petitioner is eligible to replace the same by new modules such that the plant capacity will not exceed 5 MW.

8.27 Now, we deal with the issue raised by the Petitioner in connection with the specific unilateral conditions imposed by the Respondent vide its communication dated 28.03.2019 and 27.08.2021 for replacement and installation of Solar PV Modules and regarding 'CUF' as well as 'Base CUF'. In this regard, it is noted that this Commission has decided identical matter in Petition No. 2138 of 2022 and its Order dated 06.12.2023 decided that-

"13.70 We also note that the conduct of the Respondent today in attempting to resile from its promise to compensate the Petitioner for power generated and sold to Respondent by restricting the operation and maintenance of the Project by the Petitioner is in breach of the established principles of promissory estoppel and legitimate expectation.

13.71 We further note that the Policy'/ 'Mechanism' / 'Guideline' of Respondent cannot be read as the part of the PPA dated 07.12.2010, since it would amount to alteration of the said PPA which was entered into between Petitioner and Respondent and the same is not permissible.

13.72 Considering the above, we are of the view that the Petitioner who is solar PV power project developer is eligible to generate the electricity from its plant capacity limited to 9 MW in terms of PPA and supply the electricity up to 20% of CUF as per the Order No. 02 of 2010 dated 29.01.2010 read with PPA executed between the parties during the period of PPA of 25 years. The restriction put up by the Respondent is against the decision of the Commission in Order No. 02 of 2010 dated 29.01.2010 read with the provision of the PPA and Order of Hon'ble APTEL in Appeal No. 279 of 2013 in GUVNL Vs. GERC and others.....

.....

13.80 We have gone through the provisions of the PPA as well as our Tariff Order and we find nothing therein to state that if the generating company replace any damaged panels/modules after commissioning of the solar project then the

tariff will be revised to that extent in terms of the tariff order applicable during such period. We are of the considered view that tariff is determined considering the investment made by the generating company at the relevant point in time. The Petitioner had made investment for setting up the 9 MW Project during the control period of Tariff Order dated 29.01.2010. Hence, tariff for 9 MW shall be paid by the Respondent in terms of the tariff determined in Order dated 29.01.2010 and as agreed under the PPA.

....

13.89 Now we deal with the communication letter dated 03.09.2020 issued by the Respondent communicating to the Petitioner that the Petitioner requires prior approval of the Respondent for replacement of the damaged/defective modules is concerned, the Commission has in earlier part of order dealt the issue and decided that the solar power generator/power producer has duty/obligation to operate and maintain the power plant upto agreed capacity and generate electricity and supply to the Licensee and carry out prudent O&M practice and any default will lead to termination of PPA also. Further the parties are eligible to add/amend or alter the PPA as agreed between the parties. No unilateral amendment or alteration in PPA terms is permissible. We also note that the Petitioner is required to keep the plant upto installed capacity as per prudent utility practice while carry out such function the Petitioner if finds some defective/damaged modules, the power producer is eligible to carry out such work considering the above. We decide that the action of the Respondent, GUVNL, of issuance of communication letter dated 03.09.2020 is illegal, arbitrary and deserves to be quashed and set aside. Hence, the same is quashed and set aside.

13.90 We also note that in the present case as the Commission has decided that the Petitioner has right to replace or restore solar PV modules and achieve CUF of 20% in terms of Order No. 02 of 2010 dated 29.01.2010 as well as tariff accordingly as decided in earlier para of this Order. Further, the Commission has also decided that the guidelines for replacement of solar modules issued by the Respondent is illegal and invalid.

8.28 In view of the above, the present petition succeeds, and we decide as under:

- a. The communication dated 28.03.2019 issued by the Respondent with regard to imposition of "Base CUF" and limiting the tariff/ cost of generation payable to "Base CUF" only is illegal, arbitrary. The Petitioner is eligible to generate and inject the energy from its solar power plant of 5 MW capacity and supply the energy generated from the plant to the Respondent to the limit of 20% CUF.
- b. The Petitioner is eligible to replace only defective /damaged solar PV modules at its 5 MW solar power plant. The defective solar modules at the Petitioner's

plant are 9760 nos. modules replaceable by the Petitioner. All necessary details of such defective/damaged but shall not exceed CUF and modules/parts/equipments specifying the types of defect/damaged part etc. in each module, inverter etc. shall be provided to the Respondent in advance and the Respondent shall verify and confirm such defect/damages informed by the project developer, the same within one month, failing which the Petitioner will be at liberty to replace the defective modules/parts/equipment. If any dispute arises with regard to correctness of replacement of defective, damaged module/equipment of the plant, the parties have an option to approach the Commission for appropriate remedy as per law.

- c. The Petitioner shall provide the details of replaced solar modules intended with new modules specifying the Sr. No of the modules,
 - d. R.F.I.D details or capacity of modules, manufacturer technical details etc. to the Respondent. The Respondent along with GEDA is entitled to verify the same at the Petitioner's plant and confirm the same by issuing certificate for it, within one month from the date of this Order. The Petitioner is not eligible to enhance the capacity of the plant in any case above 5 MW as per the terms of the PPA.
9. With this Order, the Petition, along with Interim Application if any, shall stand disposed of accordingly.

Sd/-
[S. R. Pandey]
Member

Sd/-
[Mehul M. Gandhi]
Member

Sd/-
[Anil Mukim]
Chairman

Place: Gandhinagar
Date: 25/09/2024.

Annexure - I

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1	01/12/2020	8	8.1	8.1.1.1	23000	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
2	01/12/2020	8	8.1	8.1.1.1	23000	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
3	01/12/2020	8	8.1	8.1.1.1	23000	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
4	01/12/2020	8	8.1	8.1.1.1	23000	629	84	65.4	30	4.3	21.4	2.4	129	51.4	39.81	73.41	1	1	1	1	1	33.60	45.76612758
5	01/12/2020	8	8.1	8.1.1.1	23000	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
6	01/12/2020	8	8.1	8.1.1.1	23000	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
7	01/12/2020	8	8.1	8.1.1.1	23000	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
8	01/12/2020	8	8.1	8.1.1.1	23000	691	41	20.4	31	6.5	26.8	2.5	202	67.0	33.25	73.81	1	1	1	1	1	40.56	54.95008651
9	01/12/2020	8	8.1	8.1.1.1	23000	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
10	01/12/2020	8	8.1	8.1.1.1	23000	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
11	01/12/2020	8	8.1	8.1.1.1	23000	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
12	01/12/2020	8	8.1	8.1.1.1	23000255672	731	21	20.2	30	6.2	27.4	3.5	186	95.9	51.56	74.06	1	1	1	1	1	22.51	30.38606971
13	01/12/2020	8	8.1	8.1.1.1	2300046594	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
14	01/12/2020	8	8.1	8.1.1.1	2300054994	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
15	01/12/2020	8	8.1	8.1.1.1	23000	798	32	20.2	32	5	26.2	3.7	160	96.9	60.59	74.49	1	1	1	0	0	13.91	18.66707297
16	01/12/2020	8	8.1	8.1.1.1	2300055050	786	37	24.4	32	5.4	14	3.8	173	53.2	30.79	74.42	1	1	1	1	1	43.63	58.62869336
17	01/12/2020	8	8.1	8.1.1.1	2300055056	792	23	20.3	30	5.2	20.8	3.9	156	81.1	52.00	74.45	1	1	1	1	1	22.45	30.15896893
18	01/12/2020	8	8.1	8.1.1.1	2300055075	756	17	20.4	30	5.9	21.4	3	177	64.2	36.27	74.22	1	1	1	1	1	37.95	51.13306886
19	01/12/2020	8	8.1	8.1.1.1	2300055090	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
20	01/12/2020	8	8.1	8.1.1.1	2300055066	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
21	01/12/2020	8	8.1	8.1.1.1	23000	703	26	20.4	31	5	24	4.1	155	98.4	63.48	73.89	1	1	0	0	0	10.40	14.07768949
22	01/12/2020	8	8.1	8.1.1.1	2300059061	705	12	20.2	32	4.5	20.8	4.1	144	85.3	59.22	73.90	1	1	1	0	0	14.68	19.85950605
23	01/12/2020	8	8.1	8.1.1.1	23000	709	17	17.8	30	4.1	25	3.7	123	92.5	75.20	73.92	0	0	0	0	0	-1.28	-1.731046692
24	01/12/2020	8	8.1	8.1.1.1	2300048707	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
25	01/12/2020	8	8.1	8.1.1.2	2300055091	950	169	66.3	30	6.2	20	5	186	100.0	53.76	75.47	1	1	1	1	1	21.70	28.75806209
26	01/12/2020	8	8.1	8.1.1.2	2300053857	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
27	01/12/2020	8	8.1	8.1.1.2	2300055052	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
28	01/12/2020	8	8.1	8.1.1.2	2300054263	801	13	23.4	20	5.8	22	4.9	116	107.8	92.93	74.51	1	1	1	1	0	-18.42	-24.71888502

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
29	01/12/2020	8	8.1	8.1.1.2	23000	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
30	01/12/2020	8	8.1	8.1.1.2	23000	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
31	01/12/2020	8	8.1	8.1.1.2	23000	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
32	01/12/2020	8	8.1	8.1.1.2	2300054993	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
33	01/12/2020	8	8.1	8.1.1.2	23000	810	27	22.4	19	4.9	12	5	93	60.0	64.45	74.57	1	1	0	0	0	10.12	13.57539042
34	01/12/2020	8	8.1	8.1.1.2	2300047987	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
35	01/12/2020	8	8.1	8.1.1.2	23000	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
36	01/12/2020	8	8.1	8.1.1.2	2300048703	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
37	01/12/2020	8	8.1	8.1.1.2	2300046541	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
38	01/12/2020	8	8.1	8.1.1.2	23000	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
39	01/12/2020	8	8.1	8.1.1.2	23000	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
40	01/12/2020	8	8.1	8.1.1.2	23000	954	24	21.3	20	5.6	22.5	4.9	112	110.3	98.44	75.49	1	1	1	1	1	-22.95	-30.39530226
41	01/12/2020	8	8.1	8.1.1.2	23000	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
42	01/12/2020	8	8.1	8.1.1.2	23000	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
43	01/12/2020	8	8.1	8.1.1.2	23000	946	35	39.7	30	6.1	22.6	5.3	183	119.8	65.45	75.44	1	1	0	0	0	9.99	13.23806354
44	01/12/2020	8	8.1	8.1.1.2	23000	940	27	21.4	22	4.1	13.5	3.6	90	48.6	53.88	75.40	1	1	1	1	1	21.52	28.54265659
45	01/12/2020	8	8.1	8.1.1.2	23000	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
46	01/12/2020	8	8.1	8.1.1.2	23000	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
47	01/12/2020	8	8.1	8.1.1.2	2300052649	941	48	34.2	21	5.7	12.9	5.1	120	65.8	54.96	75.41	1	1	1	1	1	20.45	27.11368228
48	01/12/2020	8	8.1	8.1.1.2	2300050562	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
49	01/12/2020	8	8.1	8.1.1.3	23000	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
50	01/12/2020	8	8.1	8.1.1.3	23000	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
51	01/12/2020	8	8.1	8.1.1.3	23000	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
52	01/12/2020	8	8.1	8.1.1.3	23000	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
53	01/12/2020	8	8.1	8.1.1.3	23000	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
54	01/12/2020	8	8.1	8.1.1.3	23000	826	83	46.3	31	5.9	21	5	183	105.0	57.41	74.67	1	1	1	1	0	17.26	23.11962666
55	01/12/2020	8	8.1	8.1.1.3	23000	891	166	56.2	30	5.3	20	5.3	159	106.0	66.67	75.09	1	1	0	0	0	8.42	11.21575814
56	01/12/2020	8	8.1	8.1.1.3	23000	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
57	01/12/2020	8	8.1	8.1.1.3	23000	732	78	56.1	30	5.4	19	5.2	162	98.8	60.99	74.07	1	1	1	0	0	13.08	17.66302737
58	01/12/2020	8	8.1	8.1.1.3	2300053859	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
59	01/12/2020	8	8.1	8.1.1.3	2300053860	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
60	01/12/2020	8	8.1	8.1.1.3	23000	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
61	01/12/2020	8	8.1	8.1.1.3	2300055051	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
62	01/12/2020	8	8.1	8.1.1.3	23000	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
63	01/12/2020	8	8.1	8.1.1.3	2300055077	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
64	01/12/2020	8	8.1	8.1.1.3	2300047956	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
65	01/12/2020	8	8.1	8.1.1.3	23000	811	169	62.3	31	6.2	21	5.1	192	107.1	55.72	74.58	1	1	1	1	1	18.85	25.28037691
66	01/12/2020	8	8.1	8.1.1.3	23000	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
67	01/12/2020	8	8.1	8.1.1.3	23000	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
68	01/12/2020	8	8.1	8.1.1.3	2300054992	911	25	59.6	30	6.3	20	5.3	189	106.0	56.08	75.22	1	1	1	1	1	19.13	25.4356017
69	01/12/2020	8	8.1	8.1.1.3	2300055070	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
70	01/12/2020	8	8.1	8.1.1.3	2300053856	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
71	01/12/2020	8	8.1	8.1.1.3	2300055092	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
72	01/12/2020	8	8.1	8.1.1.3	23000	926	30	26.4	18	5.1	21	5.6	92	117.6	128.10	75.31	1	1	1	1	1	-52.79	-70.09758707
73	01/12/2020	8	8.1	8.1.1.4	2300053865	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
74	01/12/2020	8	8.1	8.1.1.4	23000	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
75	01/12/2020	8	8.1	8.1.1.4	2300054543	820	29	30.2	32	6.4	24	4.6	205	110.4	53.91	74.63	1	1	1	1	1	20.73	27.77252995
76	01/12/2020	8	8.1	8.1.1.4	2300055017	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
77	01/12/2020	8	8.1	8.1.1.4	23000	855	29	48.4	30	5	20	5.4	150	108.0	72.00	74.86	0	0	0	0	0	2.86	3.817895215
78	01/12/2020	8	8.1	8.1.1.4	2300047941	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
79	01/12/2020	8	8.1	8.1.1.4	23000	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
80	01/12/2020	8	8.1	8.1.1.4	23000	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
81	01/12/2020	8	8.1	8.1.1.4	2300048690	850	26	60.2	30	6.4	20.4	5.6	192	114.2	59.50	74.83	1	1	1	1	0	15.33	20.48218534
82	01/12/2020	8	8.1	8.1.1.4	2300048717	788	79	20.2	32	6.2	23.4	5.6	198	131.0	66.05	74.43	1	1	0	0	0	8.38	11.26011418
83	01/12/2020	8	8.1	8.1.1.4	23000	825	24	30.4	32	4	26	5.6	128	145.6	113.75	74.67	1	1	1	1	1	-39.08	-52.34511022
84	01/12/2020	8	8.1	8.1.1.4	23000	865	71	55.4	32	4.9	20.2	2.4	157	48.5	30.92	74.92	1	1	1	1	1	44.00	58.7325921
85	01/12/2020	8	8.1	8.1.1.4	23000	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
86	01/12/2020	8	8.1	8.1.1.4	23000	898	169	55.6	31	2	24.2	5.6	62	135.5	218.58	75.13	1	1	1	1	1	-143.45	-190.9241789
87	01/12/2020	8	8.1	8.1.1.4	2300051106	758	76	55.7	32	2.3	23.4	2.4	74	56.2	76.30	74.24	0	0	0	0	0	-2.07	-2.784517501
88	01/12/2020	8	8.1	8.1.1.4	2300050699	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imppp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
89	01/12/2020	8	8.1	8.1.1.4	23000	871	168	40.4	31	4.7	20.4	4.2	146	85.7	58.81	74.96	1	1	1	1	0	16.15	21.55089184
90	01/12/2020	8	8.1	8.1.2.1	-	796	30	23.6	30	4.6	20.2	3.8	138	76.8	55.62	74.48	1	1	1	1	1	18.86	25.31835435
91	01/12/2020	8	8.1	8.1.2.1	2300055681	803	32	24.8	30	3.9	17.6	2.9	117	51.0	43.62	74.53	1	1	1	1	1	30.90	41.46418712
92	01/12/2020	8	8.1	8.1.2.1	-	821	30	22.9	30	5.1	15.3	4.3	153	65.8	43.00	74.64	1	1	1	1	1	31.64	42.39044807
93	01/12/2020	8	8.1	8.1.2.1	2300055671	797	17	23.8	31	4.7	17.8	4	146	71.2	48.87	74.49	1	1	1	1	1	25.62	34.39436782
94	01/12/2020	8	8.1	8.1.2.1	2300055666	826	22	21.6	29	4.9	16.3	3.9	142	63.6	44.74	74.67	1	1	1	1	1	29.94	40.09017878
95	01/12/2020	8	8.1	8.1.2.1	-	833	13	68.4	32	6.6	23.6	5.8	211	136.9	64.81	74.72	1	1	0	0	0	9.91	13.25878638
96	01/12/2020	8	8.1	8.1.2.1	2300854668	856	33	23.9	31	4.4	14.2	3.9	136	55.4	40.60	74.86	1	1	1	1	1	34.26	45.76704946
97	01/12/2020	8	8.1	8.1.2.1	-	823	37	23.7	31	3.7	11.9	5.8	115	69.0	60.17	74.65	1	1	1	0	0	14.48	19.39479096
98	01/12/2020	8	8.1	8.1.2.1	2300054617	725	26	32.7	31	3.9	13.8	5.9	121	81.4	67.34	74.03	1	0	0	0	0	6.68	9.025324681
99	01/12/2020	8	8.1	8.1.2.1	2300054199	928	12	34.2	27	4.4	17.5	4.1	119	71.8	60.40	75.33	1	1	1	0	0	14.93	19.82016258
100	01/12/2020	8	8.1	8.1.2.1	-	542	19	18.7	20	4.6	12.2	3.8	92	46.4	50.39	72.85	1	1	1	1	1	22.46	30.83324043
101	01/12/2020	8	8.1	8.1.2.1	2300054651	638	12	33.5	21	3.9	13.4	2.7	82	36.2	44.18	73.47	1	1	1	1	1	29.29	39.87164121
102	01/12/2020	8	8.1	8.1.2.1	2300054716	692	32	24.6	30	4.9	15.6	3	147	46.8	31.84	73.81	1	1	1	1	1	41.98	56.86944259
103	01/12/2020	8	8.1	8.1.2.1	-	713	41	33.7	32	4.7	15.9	3.6	150	57.2	38.06	73.95	1	1	1	1	1	35.89	48.53424968
104	01/12/2020	8	8.1	8.1.2.1	2300054728	726	23	26.9	31	3.9	16.8	3.4	121	57.1	47.25	74.03	1	1	1	1	1	26.79	36.18245853
105	01/12/2020	8	8.1	8.1.2.1	2300054749	892	27	28.4	30	4.5	17.3	3.8	135	65.7	48.70	75.09	1	1	1	1	1	26.40	35.15357082
106	01/12/2020	8	8.1	8.1.2.1	2300054739	891	12	32.6	30	3.7	12.8	3.7	111	47.4	42.67	75.09	1	1	1	1	1	32.42	43.17808521
107	01/12/2020	8	8.1	8.1.2.1	2300054737	726	15	33.7	30	3.6	14.5	3.4	108	49.3	45.65	74.03	1	1	1	1	1	28.38	38.34031026
108	01/12/2020	8	8.1	8.1.2.1	2300054665	832	18	32.5	31	4.4	13.8	3.3	136	45.5	33.39	74.71	1	1	1	1	1	41.32	55.31155231
109	01/12/2020	8	8.1	8.1.2.1	2300054642	834	21	34.7	32	4.7	11.7	3.7	150	43.3	28.78	74.72	1	1	1	1	1	45.94	61.4803828
110	01/12/2020	8	8.1	8.1.2.2	2300054611	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
111	01/12/2020	8	8.1	8.1.2.2	2300054610	629	84	65.4	30	4.3	21.4	2.4	129	51.4	39.81	73.41	1	1	1	1	1	33.60	45.76612758
112	01/12/2020	8	8.1	8.1.2.2	2300054676	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
113	01/12/2020	8	8.1	8.1.2.2	2300054675	691	41	20.4	31	6.5	26.8	2.5	202	67.0	33.25	73.81	1	1	1	1	1	40.56	54.95008651
114	01/12/2020	8	8.1	8.1.2.2	-	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
115	01/12/2020	8	8.1	8.1.2.2	2300054663	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
116	01/12/2020	8	8.1	8.1.2.2	230054402	731	21	20.2	30	6.2	27.4	3.5	186	95.9	51.56	74.06	1	1	1	1	1	22.51	30.38606971
117	01/12/2020	8	8.1	8.1.2.2	2300054691	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
118	01/12/2020	8	8.1	8.1.2.2	-	798	32	20.2	32	5	26.2	3.7	160	96.9	60.59	74.49	1	1	1	0	0	13.91	18.66707297

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
119	01/12/2020	8	8.1	8.1.2.2	2300046891	786	37	24.4	32	5.4	14	3.8	173	53.2	30.79	74.42	1	1	1	1	1	43.63	58.62869336
120	01/12/2020	8	8.1	8.1.2.2	2300055899	792	23	20.3	30	5.2	20.8	3.9	156	81.1	52.00	74.45	1	1	1	1	1	22.45	30.15896893
121	01/12/2020	8	8.1	8.1.2.2	2300054707	756	17	20.4	30	5.9	21.4	3	177	64.2	36.27	74.22	1	1	1	1	1	37.95	51.13306886
122	01/12/2020	8	8.1	8.1.2.2	2300055636	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
123	01/12/2020	8	8.1	8.1.2.2	2300055710	703	26	20.4	31	5	24	4.1	155	98.4	63.48	73.89	1	1	0	0	0	10.40	14.07768949
124	01/12/2020	8	8.1	8.1.2.2	2300055668	705	12	20.2	32	4.5	20.8	4.1	144	85.3	59.22	73.90	1	1	1	0	0	14.68	19.85950605
125	01/12/2020	8	8.1	8.1.2.2	-	709	17	17.8	30	4.1	25	3.7	123	92.5	75.20	73.92	0	0	0	0	0	-1.28	-1.731046692
126	01/12/2020	8	8.1	8.1.2.2	2300055646	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
127	01/12/2020	8	8.1	8.1.2.2	-	801	13	23.4	20	5.8	22	4.9	116	107.8	92.93	74.51	1	1	1	1	0	-18.42	-24.71888502
128	01/12/2020	8	8.1	8.1.2.2	2300055665	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
129	01/12/2020	8	8.1	8.1.2.2	2300055911	810	27	22.4	19	4.9	12	5	93	60.0	64.45	74.57	1	1	0	0	0	10.12	13.57539042
130	01/12/2020	8	8.1	8.1.2.2	-	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
131	01/12/2020	8	8.1	8.1.2.2	2300055635	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
132	01/12/2020	8	8.1	8.1.2.2	-	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
133	01/12/2020	8	8.1	8.1.2.2	-	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
134	01/12/2020	8	8.1	8.1.2.3	2300050447	954	24	21.3	20	5.6	22.5	4.9	112	110.3	98.44	75.49	1	1	1	1	1	-22.95	-30.39530226
135	01/12/2020	8	8.1	8.1.2.3	2300055674	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
136	01/12/2020	8	8.1	8.1.2.3	-	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
137	01/12/2020	8	8.1	8.1.2.3	2300055567	946	35	39.7	30	6.1	22.6	5.3	183	119.8	65.45	75.44	1	1	0	0	0	9.99	13.23806354
138	01/12/2020	8	8.1	8.1.2.3	-	940	27	21.4	22	4.1	13.5	3.6	90	48.6	53.88	75.40	1	1	1	1	1	21.52	28.54265659
139	01/12/2020	8	8.1	8.1.2.3	-	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
140	01/12/2020	8	8.1	8.1.2.3	-	941	48	34.2	21	5.7	12.9	5.1	120	65.8	54.96	75.41	1	1	1	1	1	20.45	27.11368228
141	01/12/2020	8	8.1	8.1.2.3	2300054497	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
142	01/12/2020	8	8.1	8.1.2.3	2300054495	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
143	01/12/2020	8	8.1	8.1.2.3	2300054650	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
144	01/12/2020	8	8.1	8.1.2.3	23000564618	826	83	46.3	31	5.9	21	5	183	105.0	57.41	74.67	1	1	1	1	0	17.26	23.11962666
145	01/12/2020	8	8.1	8.1.2.3	-	732	78	56.1	30	5.4	19	5.2	162	98.8	60.99	74.07	1	1	1	0	0	13.08	17.66302737
146	01/12/2020	8	8.1	8.1.2.3	2300054747	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
147	01/12/2020	8	8.1	8.1.2.3	-	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
148	01/12/2020	8	8.1	8.1.2.3	2300054652	911	25	59.6	30	6.3	20	5.3	189	106.0	56.08	75.22	1	1	1	1	1	19.13	25.4356017

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
149	01/12/2020	8	8.1	8.1.2.3	2300054748	926	30	26.4	18	5.1	21	5.6	92	117.6	128.10	75.31	1	1	1	1	1	-52.79	-70.09758707
150	01/12/2020	8	8.1	8.1.2.3	2300054991	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
151	01/12/2020	8	8.1	8.1.2.3	2300054641	820	29	30.2	32	6.4	24	4.6	205	110.4	53.91	74.63	1	1	1	1	1	20.73	27.77252995
152	01/12/2020	8	8.1	8.1.2.3	2300054640	855	29	48.4	30	5	20	5.4	150	108.0	72.00	74.86	0	0	0	0	0	2.86	3.817895215
153	01/12/2020	8	8.1	8.1.2.4	2300055912	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
154	01/12/2020	8	8.1	8.1.2.4	2300055904	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
155	01/12/2020	8	8.1	8.1.2.4	2300054685	850	26	60.2	30	6.4	20.4	5.6	192	114.2	59.50	74.83	1	1	1	1	0	15.33	20.48218534
156	01/12/2020	8	8.1	8.1.2.4	2300054687	788	79	20.2	32	6.2	23.4	5.6	198	131.0	66.05	74.43	1	1	0	0	0	8.38	11.26011418
157	01/12/2020	8	8.1	8.1.2.4	2300054212	825	24	30.4	32	4	26	5.6	128	145.6	113.75	74.67	1	1	1	1	1	-39.08	-52.34511022
158	01/12/2020	8	8.1	8.1.2.4	-	865	71	55.4	32	4.9	20.2	2.4	157	48.5	30.92	74.92	1	1	1	1	1	44.00	58.7325921
159	01/12/2020	8	8.1	8.1.2.4	2300054401	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
160	01/12/2020	8	8.1	8.1.2.4	2300054385	758	76	55.7	32	2.3	23.4	2.4	74	56.2	76.30	74.24	0	0	0	0	0	-2.07	-2.784517501
161	01/12/2020	8	8.1	8.1.2.4	2300055908	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
162	01/12/2020	8	8.1	8.1.2.4	-	796	30	23.6	30	4.6	20.2	3.8	138	76.8	55.62	74.48	1	1	1	1	1	18.86	25.31835435
163	01/12/2020	8	8.1	8.1.2.4	2300054694	803	32	24.8	30	3.9	17.6	2.9	117	51.0	43.62	74.53	1	1	1	1	1	30.90	41.46418712
164	01/12/2020	8	8.1	8.1.2.4	2300054703	821	30	22.9	30	5.1	15.3	4.3	153	65.8	43.00	74.64	1	1	1	1	1	31.64	42.39044807
165	01/12/2020	8	8.1	8.1.2.4	2300055720	797	17	23.8	31	4.7	17.8	4	146	71.2	48.87	74.49	1	1	1	1	1	25.62	34.39436782
166	01/12/2020	8	8.1	8.1.2.4	2300055718	826	22	21.6	29	4.9	16.3	3.9	142	63.6	44.74	74.67	1	1	1	1	1	29.94	40.09017878
167	01/12/2020	8	8.1	8.1.2.4	2300055667	833	13	68.4	32	6.6	23.6	5.8	211	136.9	64.81	74.72	1	1	0	0	0	9.91	13.25878638
168	01/12/2020	8	8.1	8.1.2.4	-	856	33	23.9	31	4.4	14.2	3.9	136	55.4	40.60	74.86	1	1	1	1	1	34.26	45.76704946
169	01/12/2020	8	8.1	8.1.2.4	2300055663	823	37	23.7	31	3.7	11.9	5.8	115	69.0	60.17	74.65	1	1	1	0	0	14.48	19.39479096
170	01/12/2020	8	8.1	8.1.2.4	2300055659	725	26	32.7	31	3.9	13.8	5.9	121	81.4	67.34	74.03	1	0	0	0	0	6.68	9.025324681
171	01/12/2020	8	8.1	8.1.2.4	2300055677	928	12	34.2	27	4.4	17.5	4.1	119	71.8	60.40	75.33	1	1	1	0	0	14.93	19.82016258
172	01/12/2020	8	8.1	8.1.2.4	2300055684	542	19	18.7	20	4.6	12.2	3.8	92	46.4	50.39	72.85	1	1	1	1	1	22.46	30.83324043
173	01/12/2020	8	8.1	8.1.2.4	2300055685	638	12	33.5	21	3.9	13.4	2.7	82	36.2	44.18	73.47	1	1	1	1	1	29.29	39.87164121
174	01/12/2020	8	8.1	8.1.2.4	-	692	32	24.6	30	4.9	15.6	3	147	46.8	31.84	73.81	1	1	1	1	1	41.98	56.86944259
175	01/12/2020	8	8.1	8.1.2.4	-	713	41	33.7	32	4.7	15.9	3.6	150	57.2	38.06	73.95	1	1	1	1	1	35.89	48.53424968
176	01/12/2020	8	8.1	8.1.2.4	2300055633	726	23	26.9	31	3.9	16.8	3.4	121	57.1	47.25	74.03	1	1	1	1	1	26.79	36.18245853
177	02/12/2020	8	8.4	8.4.7.2	2300029313	892	27	28.4	30	4.5	17.3	3.8	135	65.7	48.70	75.09	1	1	1	1	1	26.40	35.15357082
178	02/12/2020	8	8.4	8.4.7.2	2300041625	891	12	32.6	30	3.7	12.8	3.7	111	47.4	42.67	75.09	1	1	1	1	1	32.42	43.17808521

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
179	02/12/2020	8	8.4	8.4.7.2	2300029547	726	15	33.7	30	3.6	14.5	3.4	108	49.3	45.65	74.03	1	1	1	1	1	28.38	38.34031026
180	02/12/2020	8	8.4	8.4.7.2	2300041205	832	18	32.5	31	4.4	13.8	3.3	136	45.5	33.39	74.71	1	1	1	1	1	41.32	55.31155231
181	02/12/2020	8	8.4	8.4.7.2	2300040739	834	21	34.7	32	4.7	11.7	3.7	150	43.3	28.78	74.72	1	1	1	1	1	45.94	61.4803828
182	02/12/2020	8	8.4	8.4.7.2	2300041467	719	67	44	30	3.9	24.2		117	0.0	0.00	73.99	1	1	1	1	1	73.99	100
183	02/12/2020	8	8.4	8.4.7.2	2300029549	758	32	31	31	2.2	22.7		68	0.0	0.00	74.24	1	1	1	1	1	74.24	100
184	02/12/2020	8	8.4	8.4.7.2	2300054306	812	24	26.3	30	3.1	16.2		93	0.0	0.00	74.58	1	1	1	1	1	74.58	100
185	02/12/2020	8	8.4	8.4.7.2	2300041052	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
186	02/12/2020	8	8.4	8.4.7.2	2300029554	796	36	32.3	32	3.1	12.9		99	0.0	0.00	74.48	1	1	1	1	1	74.48	100
187	02/12/2020	8	8.4	8.4.7.2	2300029553	814	23	30.4	31	3	14.2		93	0.0	0.00	74.60	1	1	1	1	1	74.60	100
188	02/12/2020	8	8.4	8.4.7.2	2300043986	795	17	19.4	30	2.1	13.5		63	0.0	0.00	74.47	1	1	1	1	1	74.47	100
189	02/12/2020	8	8.4	8.4.7.2	2300041537	803	12	17.2	31	2.4	15.6		74	0.0	0.00	74.53	1	1	1	1	1	74.53	100
190	02/12/2020	8	8.4	8.4.7.2	2300041043	726	11	19.3	31	2.1	5.9		65	0.0	0.00	74.03	1	1	1	1	1	74.03	100
191	02/12/2020	8	8.4	8.4.7.2	2300041887	821	38	26.4	29	2.4	13.8		70	0.0	0.00	74.64	1	1	1	1	1	74.64	100
192	02/12/2020	8	8.4	8.4.7.2	2300041241	722	32	28.9	31	3	12.7		93	0.0	0.00	74.01	1	1	1	1	1	74.01	100
193	02/12/2020	8	8.4	8.4.7.2	2300041207	719	42	31.3	28	2.9	13.4		81	0.0	0.00	73.99	1	1	1	1	1	73.99	100
194	02/12/2020	8	8.4	8.4.7.4	2300029569	778	32	26.4	20	2.4	19.3		48	0.0	0.00	74.37	1	1	1	1	1	74.37	100
195	02/12/2020	8	8.4	8.4.7.4	2300041630	776	22	22.4	30	1.9	9.9		57	0.0	0.00	74.35	1	1	1	1	1	74.35	100
196	02/12/2020	8	8.4	8.4.7.4	2300041616	772	26	28.1	32	1.7	12.5		54	0.0	0.00	74.33	1	1	1	1	1	74.33	100
197	02/12/2020	8	8.4	8.4.7.4	2300041847	761	101	68.2	21	5.07	16.3	4.59	106	74.8	70.27	74.26	1	0	0	0	0	3.99	5.367754521
198	02/12/2020	8	8.4	8.4.7.4	2300029543	863	129	56.7	32	6.06	21	5.28	194	110.9	57.18	74.91	1	1	1	1	0	17.73	23.66996601
199	02/12/2020	8	8.4	8.4.7.4	2300041679	871	73	39.8	32	5.91	14.3	5.3	189	75.8	40.08	74.96	1	1	1	1	1	34.89	46.5383261
200	02/12/2020	8	8.4	8.4.7.4	2300041054	920	135	59.3	31	6.28	21.9	5.41	195	118.5	60.86	75.27	1	1	1	0	0	14.42	19.15092645
201	02/12/2020	8	8.4	8.4.7.4	2300041628	935	90	41.9	31	6.48	14.7	5.9	201	86.7	43.18	75.37	1	1	1	1	1	32.19	42.71589509
202	02/12/2020	8	8.4	8.4.7.4	2300041050	966	98	63.6	30	6.99	14.6	6.3	210	92.0	43.86	75.57	1	1	1	1	1	31.71	41.95634558
203	02/12/2020	8	8.4	8.4.7.4	2300041025	891	99	62.7	19	6.07	14.3	6.34	115	90.7	78.61	75.09	0	0	0	0	0	-3.52	-4.691193996
204	02/12/2020	8	8.4	8.4.7.4	2300043983	967	137	57.6	30	6.81	23.1	5.1	204	117.8	57.67	75.57	1	1	1	1	0	17.91	23.6978487
205	02/12/2020	8	8.4	8.4.7.4	2300041647	994	100	61.4	20	7.03	14.3	6.39	141	91.4	64.99	75.75	1	1	0	0	0	10.76	14.20090681
206	02/12/2020	8	8.4	8.4.7.4	2300041683	991	94	57.1	20	7.24	13.8	6.26	145	86.4	59.66	75.73	1	1	1	1	0	16.07	21.21816783
207	02/12/2020	8	8.4	8.4.7.4	NA	998	104	60.2	30	7.15	23.7	6.8	215	161.2	75.13	75.77	0	0	0	0	0	0.64	0.845065098
208	02/12/2020	8	8.4	8.4.7.4	2300041053	981	102	62.9	20	7.16	14.2	6.53	143	92.7	64.75	75.66	1	1	0	0	0	10.91	14.4210576

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
209	02/12/2020	8	8.4	8.4.7.4	2300041217	950	107	68.2	21	6.1	15.1	5.68	128	85.8	66.95	75.47	1	1	0	0	0	8.51	11.27932813
210	02/12/2020	8	8.4	8.4.7.4	2300041053	1046	133	63.8	30	7.37	22.6	6.51	221	147.1	66.54	76.08	1	1	0	0	0	9.54	12.53628945
211	02/12/2020	8	8.4	8.4.7.4	2300041859	1050	132	61.2	30	6.89	22.7	5.76	207	130.8	63.26	76.11	1	1	1	0	0	12.85	16.88317078
212	02/12/2020	8	8.4	8.4.7.4	2300040998	987	101	42.6	30	7.01	16.9	5.51	210	93.1	44.28	75.70	1	1	1	1	1	31.42	41.50926378
213	02/12/2020	8	8.4	8.4.8.1	2300041627	1032	41	43.9	32	7.08	15.7	6.4	227	100.5	44.35	75.99	1	1	1	1	1	31.64	41.63730019
214	02/12/2020	8	8.4	8.4.8.1	2300041210	828	80	65.4	19	3.79	14.8	3.44	72	50.9	70.70	74.69	1	0	0	0	0	3.98	5.334267717
215	02/12/2020	8	8.4	8.4.8.1	2300041646	1033	111	52.8	31	6.61	23	4.74	205	109.0	53.20	76.00	1	1	1	1	1	22.79	29.99236078
216	02/12/2020	8	8.4	8.4.8.1	2300041650	1053	113	47.4	31	7.43	19.9	5.45	230	108.5	47.09	76.13	1	1	1	1	1	29.04	38.14559631
217	02/12/2020	8	8.4	8.4.8.1	2300041176	889	101	66.2	28	6.47	14.4	5.92	181	85.2	47.06	75.08	1	1	1	1	1	28.02	37.32085336
218	02/12/2020	8	8.4	8.4.8.1	2300041172	912	89	62.3	30	6.6	14.2	5.95	198	84.5	42.67	75.22	1	1	1	1	1	32.55	43.27289443
219	02/12/2020	8	8.4	8.4.8.1	2300041177	1074	128	53	30	7.53	21.2	5.85	226	124.0	54.90	76.26	1	1	1	1	1	21.36	28.00854134
220	02/12/2020	8	8.4	8.4.8.1	2300043867	973	121	52.7	30	6.7	20.4	5.32	201	108.5	53.99	75.61	1	1	1	1	1	21.62	28.59179369
221	02/12/2020	8	8.4	8.4.8.1	2300042768	786	121	55.7	32	5.37	21.1	4.61	172	97.3	56.61	74.42	1	1	1	1	0	17.81	23.93402084
222	02/12/2020	8	8.4	8.4.8.1	2300041869	766	98	63.5	30	5.51	14.8	5.02	165	74.3	44.95	74.29	1	1	1	1	1	29.34	39.49774326
223	02/12/2020	8	8.4	8.4.8.1	2300042733	806	111	67.1	23	5.83	16.6	5.4	134	89.6	66.85	74.54	1	1	0	0	0	7.69	10.32106675
224	02/12/2020	8	8.4	8.4.8.1	2300042731	839	110	65.9	30	6.02	16.5	5.37	181	88.6	49.06	74.76	1	1	1	1	1	25.69	34.3708541
225	02/12/2020	8	8.4	8.4.8.1	2300042740	819	104	63.7	22	6.13	15.9	5.57	135	88.6	65.67	74.63	1	1	0	0	0	8.96	12.00263069
226	02/12/2020	8	8.4	8.4.8.1	2300042739	577	106	67.1	21	6.22	16	5.56	131	89.0	68.11	73.08	1	0	0	0	0	4.97	6.80476936
227	02/12/2020	8	8.4	8.4.8.1	2300043878	741	92	43.4	32	6.34	15.2	5.88	203	89.4	44.05	74.13	1	1	1	1	1	30.07	40.57118761
228	02/12/2020	8	8.4	8.4.8.1	2300043881	990	105	64.2	22	6.5	16.1	5.19	143	83.6	58.43	75.72	1	1	1	1	0	17.29	22.83237747
229	02/12/2020	8	8.4	8.4.8.1	2300043876	1013	138	57.1	31	7.26	20.8	6.31	225	131.2	58.32	75.87	1	1	1	1	0	17.55	23.13495691
230	02/12/2020	8	8.4	8.4.8.1	2300043769	1119	111	62.4	21	7.91	15.4	7.11	166	109.5	65.92	76.55	1	1	0	0	0	10.63	13.88814109
231	02/12/2020	8	8.4	8.4.8.1	2300043941	1114	106	63.8	21	7.75	15.4	7.08	163	109.0	66.99	76.52	1	1	0	0	0	9.52	12.44458857
232	02/12/2020	8	8.4	8.4.8.1	2300043912	1109	89	54.8	20	7.88	13.3	6.8	158	90.4	57.39	76.48	1	1	1	1	0	19.10	24.9698147
233	02/12/2020	8	8.4	8.4.8.1	2300043942	1027	100	32.1	21	7.38	15.2	6.72	155	102.1	65.91	75.96	1	1	0	0	0	10.05	13.23209545
234	02/12/2020	8	8.4	8.4.8.1	2300043873	765	90	54.6	20	6.44	13.9	5.3	129	73.7	57.20	74.28	1	1	1	1	0	17.08	22.99991254
235	02/12/2020	8	8.4	8.4.8.1	2300041844	1026	124	60.9	31	7.64	24.2	6.1	237	147.6	62.33	75.95	1	1	1	0	0	13.62	17.93676239
236	02/12/2020	8	8.4	8.4.8.1	2300043982	1201	120	48.7	30	8.29	18.2	6.91	249	125.8	50.57	77.07	1	1	1	1	1	26.50	34.38928551
237	02/12/2020	8	8.4	8.4.8.2	2300041245	1015	102	60.9	20	8.93	14.2	7.9	179	112.2	62.81	75.88	1	1	1	0	0	13.07	17.22575805
238	02/12/2020	8	8.4	8.4.8.2	2300041649	528	101	66.1	19	4.46	15	3.99	85	59.9	70.63	72.77	0	0	0	0	0	2.14	2.937389452

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
239	02/12/2020	8	8.4	8.4.8.2	2300041639	820	128	NA	30	5.56	20.9	5.92	167	123.7	74.18	74.63	0	0	0	0	0	0.46	0.611707756
240	02/12/2020	8	8.4	8.4.8.2	2300041642	1057	95	59.5	21	7.06	14.9	6.2	148	92.4	62.31	76.15	1	1	1	0	0	13.84	18.1762288
241	02/12/2020	8	8.4	8.4.8.2	2300041173	1055	97	61.7	30	7.03	15	6.29	211	94.4	44.74	76.14	1	1	1	1	1	31.40	41.24242546
242	02/12/2020	8	8.4	8.4.8.2	2300041168	1082	137	57.9	30	7.58	31.1	6.54	227	203.4	89.44	76.31	1	1	1	0	0	-13.13	-17.20919158
243	02/12/2020	8	8.4	8.4.8.2	2300043858	1061	125	54.7	30	7.67	23.7	5.48	230	129.9	56.44	76.18	1	1	1	1	1	19.73	25.9044986
244	02/12/2020	8	8.4	8.4.8.2	2300043870	1055	101	62.6	20	7.62	14.2	6.91	152	98.1	64.38	76.14	1	1	1	0	0	11.75	15.43708209
245	02/12/2020	8	8.4	8.4.8.2	2300042727	1053	100	60.1	30	7.76	14.2	6.86	233	97.4	41.84	76.13	1	1	1	1	1	34.28	45.0331262
246	02/12/2020	8	8.4	8.4.8.2	2300042728	1054	108	67.9	30	7.4	23.3	6.63	222	154.5	69.59	76.13	1	0	0	0	0	6.55	8.59887992
247	02/12/2020	8	8.4	8.4.8.2	2300042737	1046	135	59.4	30	7.18	21.9	6.3	215	138.0	64.05	76.08	1	1	1	0	0	12.03	15.80890112
248	02/12/2020	8	8.4	8.4.8.2	2300042738	831	134	54.7	32	6.22	20.9	5.31	199	111.0	55.76	74.70	1	1	1	1	1	18.95	25.36298499
249	02/12/2020	8	8.4	8.4.8.2	2300042741	980	138	62.4	30	7.22	24.9	5.74	217	142.9	65.99	75.66	1	1	0	0	0	9.67	12.78364537
250	02/12/2020	8	8.4	8.4.8.2	2300042748	885	129	53.2	31	7.07	20.8	5.7	219	118.6	54.09	75.05	1	1	1	1	1	20.96	27.92139273
251	02/12/2020	8	8.4	8.4.8.2	2300043880	925	117	48.9	31	6.93	20.4	5.28	215	107.7	50.14	75.31	1	1	1	1	1	25.17	33.4206453
252	02/12/2020	8	8.4	8.4.8.2	2300043882	895	131	53.6	31	7.4	22.1	5.71	229	126.2	55.01	75.11	1	1	1	1	1	20.10	26.76577693
253	02/12/2020	8	8.4	8.4.8.2	2300043875	982	131	52.8	31	7.21	20.8	5.82	224	121.1	54.16	75.67	1	1	1	1	1	21.51	28.42505291
254	02/12/2020	8	8.4	8.4.8.2	2300043877	1012	129	53	32	7.29	20.7	5.93	233	122.8	52.62	75.86	1	1	1	1	1	23.24	30.63847002
255	02/12/2020	8	8.4	8.4.8.2	2300043872	1025	122	50.9	32	7.27	20.5	5.56	233	114.0	48.99	75.95	1	1	1	1	1	26.95	35.48817047
256	02/12/2020	8	8.4	8.4.8.2	2300043874	1026	125	53.8	30	7.08	20.1	5.67	212	114.0	53.66	75.95	1	1	1	1	1	22.30	29.35472788
257	02/12/2020	8	8.4	8.4.8.2	2300041027	946	123	54.9	30	7.07	21.2	5.75	212	121.9	57.47	75.44	1	1	1	1	0	17.97	23.81682739
258	02/12/2020	8	8.4	8.4.8.2	2300043911	1030	123	40.1	31	7.23	20.5	5.71	224	117.1	52.23	75.98	1	1	1	1	1	23.75	31.26117235
259	02/12/2020	8	8.4	8.4.8.2	2300042554	1051	137	53.8	32	3.39	23.5	5.89	108	138.4	127.59	76.11	1	1	1	1	1	-51.48	-67.640159
260	02/12/2020	8	8.4	8.4.8.2	2300041867	1045	137	54.8	33	7.46	21.3	6.35	246	135.3	54.94	76.07	1	1	1	1	1	21.13	27.77886503
261	02/12/2020	8	8.4	8.4.4.1	2300035431	1049	135	57.9	32	7.33	24	5.7	235	136.8	58.32	76.10	1	1	1	1	0	17.78	23.3610104
262	02/12/2020	8	8.4	8.4.4.1	2300034530	1048	138	59.4	32	7.15	24.6	5.74	229	141.2	61.72	76.09	1	1	1	0	0	14.38	18.8954664
263	02/12/2020	8	8.4	8.4.4.1	2300035191	1053	90	36.5	31	7.26	13.9	6.02	225	83.7	37.18	76.13	1	1	1	1	1	38.94	51.15900192
264	02/12/2020	8	8.4	8.4.4.1	2300035429	1056	93	43.9	31	6.81	19.6	4.81	211	94.3	44.66	76.14	1	1	1	1	1	31.49	41.35184246
265	02/12/2020	8	8.4	8.4.4.1	2300035448	1062	85	39.4	31	6.72	17.4	4.81	208	83.7	40.18	76.18	1	1	1	1	1	36.01	47.2640921
266	02/12/2020	8	8.4	8.4.4.1	2300035552	1064	113	55.4	31	6.89	23.4	5.12	214	119.8	56.09	76.20	1	1	1	1	1	20.10	26.38352648
267	02/12/2020	8	8.4	8.4.4.1	2300035402	1064	86	58.4	20	5.78	17.9	5.1	116	91.3	78.97	76.20	0	0	0	0	0	-2.77	-3.641927139
268	02/12/2020	8	8.4	8.4.4.1	2300035488	1069	99	61.7	31	7.49	15	6.65	232	99.8	42.96	76.23	1	1	1	1	1	33.27	43.64179578

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
269	02/12/2020	8	8.4	8.4.4.1	2300035404	1074	138	61.7	31	7.06	22.2	6.23	219	138.3	63.19	76.26	1	1	1	0	0	13.07	17.13328875
270	02/12/2020	8	8.4	8.4.4.1	2300035410	1061	98	61.1	21	7.46	14.6	6.65	157	97.1	61.97	76.18	1	1	1	0	0	14.20	18.64281108
271	02/12/2020	8	8.4	8.4.4.1	2300035315	1035	104	62.6	21	7.21	14.5	6.56	151	95.1	62.82	76.01	1	1	1	0	0	13.19	17.34929743
272	02/12/2020	8	8.4	8.4.4.1	2300035308	748	136	58	30	6.83	24.3	5.19	205	126.1	61.55	74.17	1	1	1	0	0	12.62	17.01785491
273	02/12/2020	8	8.4	8.4.4.1	2300035407	1008	99	60.7	21	7.45	15	6.75	156	101.3	64.72	75.84	1	1	0	0	0	11.12	14.66303868
274	02/12/2020	8	8.4	8.4.4.1	2300035100	1107	124	NA	31	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	76.47	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
275	02/12/2020	8	8.4	8.4.4.1	2300035412	1095	79	56.3	30	6.84	24.5	5.55	205	136.0	66.26	76.39	1	1	0	0	0	10.13	13.25939225
276	02/12/2020	8	8.4	8.4.4.1	2300035345	1045	89	40.5	30	7.33	14.3	6.44	220	92.1	41.88	76.07	1	1	1	1	1	34.19	44.94960706
277	02/12/2020	8	8.4	8.4.4.1	2300035991	1060	103	63.9	30	7.47	14.9	6.8	224	101.3	45.21	76.17	1	1	1	1	1	30.96	40.64335178
278	02/12/2020	8	8.4	8.4.4.1	2300036645	988	89	44.2	33	5.66	19	4.02	187	76.4	40.89	75.71	1	1	1	1	1	34.82	45.98671069
279	02/12/2020	8	8.4	8.4.4.1	2300036737	961	129	54.3	32	6.68	21.7	5.48	214	118.9	55.63	75.54	1	1	1	1	1	19.91	26.35257469
280	02/12/2020	8	8.4	8.4.4.1	2300036260	1002	96	61.4	21	6.82	5.15	6.05	143	31.2	21.75	75.80	1	1	1	1	1	54.04	71.29902806
281	02/12/2020	8	8.4	8.4.4.1	2300037688	990	77	33	32	6.87	13.1	5.59	220	73.2	33.31	75.72	1	1	1	1	1	42.41	56.00996455
282	02/12/2020	8	8.4	8.4.4.1	2300038203	995	89	33.6	32	6.93	13	5.72	222	74.4	33.53	75.75	1	1	1	1	1	42.22	55.73600598
283	02/12/2020	8	8.4	8.4.4.1	2300035486	989	89	38.1	32	6.78	17	4.89	217	83.1	38.32	75.72	1	1	1	1	1	37.40	49.3950803
284	02/12/2020	8	8.4	8.4.4.2	2300035347	1032	91	37.9	32	7.01	14.1	6.06	224	85.4	38.09	75.99	1	1	1	1	1	37.90	49.87403761
285	02/12/2020	8	8.4	8.4.4.2	2300038275	1052	67	69.2	32	7.17	24.2	7.77	229	188.0	81.95	76.12	1	0	0	0	0	-5.83	-7.665191625
286	02/12/2020	8	8.4	8.4.4.2	2300036042	1038	104	64.3	20	7.15	14.8	6.8	143	100.6	70.38	76.03	1	0	0	0	0	5.65	7.433430343
287	02/12/2020	8	8.4	8.4.4.2	2300038274	1035	101	63.8	20	7.28	14.6	6.65	146	97.1	66.68	76.01	1	1	0	0	0	9.33	12.27115865
288	02/12/2020	8	8.4	8.4.4.2	2300037691	767	103	63.3	21	5.32	15.6	4.79	112	74.7	66.89	74.29	1	0	0	0	0	7.41	9.973416959
289	02/12/2020	8	8.4	8.4.4.2	2300038177	761	83	52.6	31	5.1	15.5	4.67	158	72.4	45.78	74.26	1	1	1	1	1	28.47	38.34293916
290	02/12/2020	8	8.4	8.4.4.2	2300037934	760	105	66.6	20	5.4	15.4	4.81	108	74.1	68.59	74.25	1	0	0	0	0	5.66	7.626886145
291	02/12/2020	8	8.4	8.4.4.2	2300037937	744	106	68.3	20	5.29	15.6	4.85	106	75.7	71.51	74.15	0	0	0	0	0	2.64	3.554144255
292	02/12/2020	8	8.4	8.4.4.2	2300038277	667	137	69.3	31	4.37	24.6	3.95	135	97.2	71.73	73.65	0	0	0	0	0	1.93	2.615908437
293	02/12/2020	8	8.4	8.4.4.2	2300038278	824	101	64.1	23	5.68	16.4	5.07	131	83.1	63.65	74.66	1	1	0	0	0	11.01	14.75086582
294	02/12/2020	8	8.4	8.4.4.2	2300035721	828	104	66.9	23	5.5	16.6	5.08	127	84.3	66.66	74.69	1	1	0	0	0	8.02	10.74208733
295	02/12/2020	8	8.4	8.4.4.2	2300036741	832	110	66.9	32	5.9	24.5	5.25	189	128.6	68.13	74.71	1	0	0	0	0	6.58	8.811512787
296	02/12/2020	8	8.4	8.4.4.2	2300038186	834	104	63.9	32	5.63	25.1	4.64	180	116.5	64.64	74.72	1	1	0	0	0	10.08	13.48816142
297	02/12/2020	8	8.4	8.4.4.2	2300037998	854	101	63.6	23	5.75	16.3	5.08	132	82.8	62.61	74.85	1	1	1	0	0	12.24	16.35219524
298	02/12/2020	8	8.4	8.4.4.2	2300037917	1023	103	64.6	22	6.92	15.6	6.31	152	98.4	64.66	75.93	1	1	0	0	0	11.27	14.8482692

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
299	02/12/2020	8	8.4	8.4.4.2	2300038184	1046	120	54.7	32	6.93	24.1	5.04	222	121.5	54.77	76.08	1	1	1	1	1	21.31	28.00678325
300	02/12/2020	8	8.4	8.4.4.2	2300037911	1043	100	66.5	21	6.78	15.3	6.38	142	97.6	68.56	76.06	1	0	0	0	0	7.50	9.863654075
301	02/12/2020	8	8.4	8.4.4.2	2300035204	1040	91	58.8	22	6.64	14.5	6.4	146	92.8	63.53	76.04	1	1	1	0	0	12.52	16.45822754
302	02/12/2020	8	8.4	8.4.4.2	2300037925	1030	96	60	31	7.57	14.9	6.2	235	92.4	39.37	75.98	1	1	1	1	1	36.61	48.18774106
303	02/12/2020	8	8.4	8.4.4.2	2300037556	1027	99	64.3	21	6.8	14.7	6.46	143	95.0	66.50	75.96	1	1	0	0	0	9.46	12.45254006
304	02/12/2020	8	8.4	8.4.4.2	2300038183	1034	101	NA	21	6.99	15.5	6.33	147	98.1	66.84	76.00	1	1	0	0	0	9.16	12.05629178
305	02/12/2020	8	8.4	8.4.4.2	2300037655	1029	101	62.2	21	7.02	15.2	6.3	147	95.8	64.96	75.97	1	1	0	0	0	11.01	14.49796377
306	02/12/2020	8	8.4	8.4.4.2	2300038821	1025	94	60.4	21	6.73	14.8	6	141	88.8	62.83	75.95	1	1	1	0	0	13.11	17.26796598
307	02/12/2020	8	8.4	8.4.4.2	2300036119	1045	94	59	21	7.05	14.4	6.24	148	89.9	60.69	76.07	1	1	1	1	0	15.38	20.2184595
308	02/12/2020	8	8.4	8.4.4.3	2300035200	1025	135	62.8	30	6.47	21.7	5.88	194	127.6	65.74	75.95	1	1	0	0	0	10.21	13.44211829
309	02/12/2020	8	8.4	8.4.4.3	2300034522	1037	101	61.6	21	7.14	15.1	6.35	150	95.9	63.95	76.02	1	1	1	0	0	12.07	15.88192898
310	02/12/2020	8	8.4	8.4.4.3	2300035425	1038	104	63.2	21	7.1	15.1	6.49	149	98.0	65.73	76.03	1	1	0	0	0	10.30	13.55028221
311	02/12/2020	8	8.4	8.4.4.3	2300035430	1046	102	62.5	21	7.08	15.1	6.46	149	97.5	65.61	76.08	1	1	0	0	0	10.47	13.76488922
312	02/12/2020	8	8.4	8.4.4.3	2300035002	1052	97	41.7	30	6.99	14.5	6.12	210	88.7	42.32	76.12	1	1	1	1	1	33.80	44.40585431
313	02/12/2020	8	8.4	8.4.4.3	2300035483	1053	96	44.8	30	6.39	14.8	5.96	192	88.2	46.01	76.13	1	1	1	1	1	30.11	39.55541285
314	02/12/2020	8	8.4	8.4.4.3	2300035405	1036	124	53	20	7.3	20.1	5.96	146	119.8	82.05	76.02	1	0	0	0	0	-6.04	-7.93993769
315	02/12/2020	8	8.4	8.4.4.3	2300035406	1025	120	60.1	30	6.37	20.2	5.94	191	120.0	62.79	75.95	1	1	1	0	0	13.16	17.32537714
316	02/12/2020	8	8.4	8.4.4.3	2300035408	1047	80	31	20	7.26	12.5	5.82	145	72.8	50.10	76.09	1	1	1	1	1	25.98	34.1498055
317	02/12/2020	8	8.4	8.4.4.3	2300035314	1047	116	49.7	30	7.18	19	5.9	215	112.1	52.04	76.09	1	1	1	1	1	24.04	31.60086738
318	02/12/2020	8	8.4	8.4.4.3	2300035109	1058	109	46.3	30	7.42	18.7	5.73	223	107.2	48.14	76.16	1	1	1	1	1	28.02	36.79373901
319	02/12/2020	8	8.4	8.4.4.3	2300035403	1057	82	39.1	30	6.72	17.3	4.63	202	80.1	39.73	76.15	1	1	1	1	1	36.42	47.82504343
320	02/12/2020	8	8.4	8.4.4.3	2300035316	1040	90	36.6	30	7.32	13.3	6.25	220	83.1	37.85	76.04	1	1	1	1	1	38.19	50.22104312
321	02/12/2020	8	8.4	8.4.4.3	2300035441	1039	82	33.8	30	7.23	13	5.84	217	75.9	35.00	76.04	1	1	1	1	1	41.03	53.96589859
322	02/12/2020	8	8.4	8.4.4.3	2300035106	1039	75	35.8	30	6.46	16.8	4.28	194	71.9	37.10	76.04	1	1	1	1	1	38.93	51.20421594
323	02/12/2020	8	8.4	8.4.4.3	2300035413	1030	109	46.1	20	7.33	18.2	5.77	147	105.0	71.63	75.98	1	0	0	0	0	4.34	5.718740942
324	02/12/2020	8	8.4	8.4.4.3	2300035400	1029	93	41.3	30	6.9	16.2	5.43	207	88.0	42.50	75.97	1	1	1	1	1	33.48	44.0637657
325	02/12/2020	8	8.4	8.4.4.3	2300035409	1015	85	39	30	6.76	17.1	4.75	203	81.2	40.05	75.88	1	1	1	1	1	35.83	47.21834539
326	02/12/2020	8	8.4	8.4.4.3	2300038143	701	107	66.2	20	4.96	14.7	4.54	99	66.7	67.28	73.87	1	0	0	0	0	6.60	8.929167487
327	02/12/2020	8	8.4	8.4.4.3	2300035639	840	106	47.2	32	5.85	19.1	4.58	187	87.5	46.73	74.76	1	1	1	1	1	28.03	37.49538421
328	02/12/2020	8	8.4	8.4.4.3	2300036672	825	129	54.6	31	5.84	21	4.82	181	101.2	55.91	74.67	1	1	1	1	1	18.76	25.11947062

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
329	02/12/2020	8	8.4	8.4.4.3	2300035313	821	134	57.7	31	5.8	21.3	4.97	180	105.9	58.88	74.64	1	1	1	1	0	15.76	21.11901108
330	02/12/2020	8	8.4	8.4.4.3	2300037708	823	135	58.8	31	5.78	21.4	5.02	179	107.4	59.96	74.65	1	1	1	0	0	14.70	19.68816854
331	02/12/2020	8	8.4	8.4.4.3	2300035677	831	104	50.1	31	5.01	19.02	4.11	155	78.2	50.33	74.70	1	1	1	1	1	24.37	32.62376594
332	02/12/2020	8	8.4	8.4.4.4	2300038215	605	89	48.2	30	4.27	18.8	3.42	128	64.3	50.19	73.26	1	1	1	1	1	23.07	31.4859299
333	02/12/2020	8	8.4	8.4.4.4	2300036055	827	93	62.3	23	5.13	16.5	4.43	118	73.1	61.95	74.68	1	1	1	0	0	12.73	17.04450893
334	02/12/2020	8	8.4	8.4.4.4	2300036346	1021	115	55.8	30	6.3	23.5	4.7	189	110.5	58.44	75.92	1	1	1	1	0	17.48	23.02575666
335	02/12/2020	8	8.4	8.4.4.4	2300038269	1020	94	64	20	6.62	15	5.92	132	88.8	67.07	75.91	1	1	0	0	0	8.84	11.65070158
336	02/12/2020	8	8.4	8.4.4.4	2300037853	887	98	66.5	21	5.9	15.7	5.32	124	83.5	67.41	75.06	1	1	0	0	0	7.65	10.19196009
337	02/12/2020	8	8.4	8.4.4.4	2300038310	887	86	43.6	32	5.98	15.5	5.3	191	82.2	42.93	75.06	1	1	1	1	1	32.13	42.80847923
338	02/12/2020	8	8.4	8.4.4.4	2300036123	886	91	63.2	21	5.84	14.8	5.28	123	78.1	63.72	75.06	1	1	1	0	0	11.34	15.10624063
339	02/12/2020	8	8.4	8.4.4.4	2300037951	881	100	65.7	21	6.19	14.2	5.64	130	80.1	61.61	75.02	1	1	1	0	0	13.41	17.87885922
340	02/12/2020	8	8.4	8.4.4.4	2300037922	919	97	62.6	21	6.12	15.5	5.52	129	85.6	66.57	75.27	1	1	0	0	0	8.69	11.5511907
341	02/12/2020	8	8.4	8.4.4.4	2300037949	1033	102	62.8	30	7.38	15.7	6.62	221	103.9	46.94	76.00	1	1	1	1	1	29.05	38.22931269
342	02/12/2020	8	8.4	8.4.4.4	2300038180	1034	123	56	30	6.85	23.7	5.1	206	120.9	58.82	76.00	1	1	1	1	0	17.19	22.61219436
343	02/12/2020	8	8.4	8.4.4.4	2300037908	1048	135	62.8	30	6.82	23.8	5.57	205	132.6	64.79	76.09	1	1	0	0	0	11.30	14.85077987
344	02/12/2020	8	8.4	8.4.4.4	2300037941	1039	136	64	30	6.67	22.7	5.7	200	129.4	64.66	76.04	1	1	0	0	0	11.37	14.95737698
345	02/12/2020	8	8.4	8.4.4.4	2300037997	955	134	63.5	31	6.32	23.8	5.19	196	123.5	63.05	75.50	1	1	1	0	0	12.45	16.49161288
346	02/12/2020	8	8.4	8.4.4.4	2300037996	962	76	50.2	30	6.6	12.6	5.56	198	70.1	35.38	75.54	1	1	1	1	1	40.16	53.16321584
347	02/12/2020	8	8.4	8.4.4.4	2300038185	961	119	52.5	31	6.54	19.5	5.62	203	109.6	54.05	75.54	1	1	1	1	1	21.48	28.43919755
348	02/12/2020	8	8.4	8.4.4.4	2300036128	980	88	42.4	31	6.1	17.9	4.58	189	82.0	43.35	75.66	1	1	1	1	1	32.30	42.69769083
349	02/12/2020	8	8.4	8.4.4.4	2300037313	985	96	46	30	6.67	14.1	5.99	200	84.5	42.21	75.69	1	1	1	1	1	33.48	44.23517532
350	02/12/2020	8	8.4	8.4.4.4	2300038832	738	96	62.1	20	5.3	14.6	4.7	106	68.6	64.74	74.11	1	1	0	0	0	9.37	12.64802608
351	02/12/2020	8	8.4	8.4.4.4	2300038298	728	104	67.5	30	5.09	15.7	4.65	153	73.0	47.81	74.05	1	1	1	1	1	26.24	35.43210059
352	02/12/2020	8	8.4	8.4.4.4	2300038267	677	106	66.4	20	4.91	15.7	4.43	98	69.6	70.83	73.72	0	0	0	0	0	2.89	3.924283113
353	03/12/2020	8	8.4	8.4.1.1	2300028756	706	95	67.5	30	4.29	23.6	4.6	129	108.6	84.35	73.90	1	1	0	0	0	-10.45	-14.1355648
354	03/12/2020	8	8.4	8.4.1.1	2300028692	822	106	62.1	22	5.96	15.7	5.35	131	84.0	64.06	74.65	1	1	0	0	0	10.59	14.1830058
355	03/12/2020	8	8.4	8.4.1.1	2300037413	889	101	66.7	21	5.83	15.7	5.22	122	82.0	66.94	75.08	1	1	0	0	0	8.14	10.8372419
356	03/12/2020	8	8.4	8.4.1.1	2300035765	888	104	68.8	31	5.59	23.7	5.1	173	120.9	69.75	75.07	1	0	0	0	0	5.32	7.08555594
357	03/12/2020	8	8.4	8.4.1.1	2300037658	790	106	66.8	20	5.65	15.3	5.14	113	78.6	69.59	74.44	1	0	0	0	0	4.85	6.511525395
358	03/12/2020	8	8.4	8.4.1.1	2300035922	862	126	54.4	32	5.76	24.1	4.61	184	111.1	60.28	74.90	1	1	1	0	0	14.63	19.52750742

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
359	03/12/2020	8	8.4	8.4.1.1	2300036689	886	106	65.2	21	6.42	15.4	5.8	135	89.3	66.25	75.06	1	1	0	0	0	8.81	11.73131402
360	03/12/2020	8	8.4	8.4.1.1	2300035915	903	89	45.1	28	6.38	15	5.47	179	82.1	45.93	75.17	1	1	1	1	1	29.23	38.89411225
361	03/12/2020	8	8.4	8.4.1.1	2300028704	916	100	64.7	21	6.29	15.4	5.58	132	85.9	65.06	75.25	1	1	0	0	0	10.19	13.54547887
362	03/12/2020	8	8.4	8.4.1.1	2300036697	924	103	44.8	32	6.65	16.8	6.1	213	102.5	48.16	75.30	1	1	1	1	1	27.14	36.04495278
363	03/12/2020	8	8.4	8.4.1.1	2300035532	916	96	43.8	31	6.51	15.4	5.87	202	90.4	44.79	75.25	1	1	1	1	1	30.45	40.47233196
364	03/12/2020	8	8.4	8.4.1.1	2300035471	945	114	47.8	31	6.7	19.5	5.2	208	101.4	48.82	75.43	1	1	1	1	1	26.61	35.28062404
365	03/12/2020	8	8.4	8.4.1.1	2300035527	755	73	44.6	32	5.36	16	4.88	172	78.1	45.52	74.22	1	1	1	1	1	28.70	38.66395206
366	03/12/2020	8	8.4	8.4.1.1	2300035435	750	106	68.6	32	5.3	16	4.91	170	78.6	46.32	74.19	1	1	1	1	1	27.87	37.56132597
367	03/12/2020	8	8.4	8.4.1.1	2300035841	805	103	65.6	21	5.65	15.7	5.06	119	79.4	66.95	74.54	1	1	0	0	0	7.58	10.17345596
368	03/12/2020	8	8.4	8.4.1.1	2300036687	980	104	63.2	30	7.03	16.3	6.24	211	101.7	48.23	75.66	1	1	1	1	1	27.43	36.25578787
369	03/12/2020	8	8.4	8.4.1.1	2300028761	1014	106	43.4	31	7.11	14.9	6.58	220	98.0	44.48	75.88	1	1	1	1	1	31.39	41.37555705
370	03/12/2020	8	8.4	8.4.1.1	2300025826	1004	103	64.9	20	6.91	15.2	6.22	138	94.5	68.41	75.81	1	0	0	0	0	7.40	9.761832552
371	03/12/2020	8	8.4	8.4.1.1	2300035505	1003	116	48.8	30	7	19.5	5.56	210	108.4	51.63	75.81	1	1	1	1	1	24.18	31.89310044
372	03/12/2020	8	8.4	8.4.1.1	2300038242	787	138	57.3	31	5.49	21.8	4.53	170	98.8	58.03	74.42	1	1	1	1	0	16.40	22.03231276
373	03/12/2020	8	8.4	8.4.1.1	2300037901	757	132	61.3	30	5.05	21.6	4.5	152	97.2	64.16	74.23	1	1	0	0	0	10.07	13.5690093
374	03/12/2020	8	8.4	8.4.1.1	2300037646	743	126	55.1	31	5.3	20.6	4.48	164	92.3	56.17	74.14	1	1	1	1	0	17.97	24.23858804
375	03/12/2020	8	8.4	8.4.1.2	2300028877	745	129	56.1	31	5.26	21	4.47	163	93.9	57.57	74.15	1	1	1	1	0	16.59	22.36728097
376	03/12/2020	8	8.4	8.4.1.2	2300027858	963	100	61.4	21	6.97	14.5	6.19	146	89.8	61.32	75.55	1	1	1	0	0	14.23	18.83352066
377	03/12/2020	8	8.4	8.4.1.2	2300037645	659	102	42	31	7	17	5.48	217	93.2	42.93	73.60	1	1	1	1	1	30.67	41.67285897
378	03/12/2020	8	8.4	8.4.1.2	2300035798	951	105	43.3	31	7	17.4	5.48	217	95.4	43.94	75.47	1	1	1	1	1	31.53	41.77869814
379	03/12/2020	8	8.4	8.4.1.2	2300041100	953	103	64.9	20	6.83	14.7	6.27	137	92.2	67.47	75.49	1	1	0	0	0	8.01	10.61341073
380	03/12/2020	8	8.4	8.4.1.2	2300035377	953	95	40.8	31	7	14.3	6.28	217	89.8	41.38	75.49	1	1	1	1	1	34.10	45.17556846
381	03/12/2020	8	8.4	8.4.1.2	2300028812	965	89	NA	20	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	75.56	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
382	03/12/2020	8	8.4	8.4.1.2	2300028792	990	103	65.5	20	6.93	15.1	6.28	139	94.8	68.42	75.72	1	0	0	0	0	7.30	9.645188428
383	03/12/2020	8	8.4	8.4.1.2	2300035530	1008	120	66.5	32	7.45	18.8	5.94	238	111.7	46.84	75.84	1	1	1	1	1	28.99	38.23310739
384	03/12/2020	8	8.4	8.4.1.2	2300035809	1003	137	25.6	32	4.59	20.1	6.31	147	126.8	86.35	75.81	1	1	0	0	0	-10.54	-13.91049915
385	03/12/2020	8	8.4	8.4.1.2	2300035043	1003	92	36.3	32	7.39	16.9	5.09	236	86.0	36.38	75.81	1	1	1	1	1	39.43	52.01438422
386	03/12/2020	8	8.4	8.4.1.2	2300035535	1004	119	47.5	31	7.38	18.5	5.96	229	110.3	48.19	75.81	1	1	1	1	1	27.62	36.4282349
387	03/12/2020	8	8.4	8.4.1.2	2300041102	1000	94	38.6	32	7.21	17.1	5.15	231	88.1	38.17	75.79	1	1	1	1	1	37.62	49.63496839
388	03/12/2020	8	8.4	8.4.1.2	2300028876	1001	134	60.1	31	6.77	21	6	210	126.0	60.04	75.79	1	1	1	1	0	15.76	20.78735353

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
389	03/12/2020	8	8.4	8.4.1.2	2300035802	1001	106	40.2	30	7.26	17.8	5.85	218	104.1	47.81	75.79	1	1	1	1	1	27.98	36.91990575
390	03/12/2020	8	8.4	8.4.1.2	2300041096	1012	98	66.9	30	7.12	16.2	5.07	214	82.1	38.45	75.86	1	1	1	1	1	37.41	49.31343532
391	03/12/2020	8	8.4	8.4.1.2	2300035872	989	119	84.7	30	7.2	18.7	5.85	216	109.4	50.65	75.72	1	1	1	1	1	25.07	33.11043783
392	03/12/2020	8	8.4	8.4.1.2	2300028690	1002	130	52.3	30	7.3	19.4	6.2	219	120.3	54.92	75.80	1	1	1	1	1	20.88	27.54189456
393	03/12/2020	8	8.4	8.4.1.2	2300036668	997	98	35.6	30	7.32	16.2	5.07	220	82.1	37.40	75.77	1	1	1	1	1	38.37	50.63584664
394	03/12/2020	8	8.4	8.4.1.2	2300037661	990	89	34.2	30	7.28	16.3	4.75	218	77.4	35.45	75.72	1	1	1	1	1	40.27	53.18268492
395	03/12/2020	8	8.4	8.4.1.2	2300037409	987	87	35.7	30	7.19	15.8	5.07	216	80.1	37.14	75.70	1	1	1	1	1	38.57	50.94277723
396	03/12/2020	8	8.4	8.4.1.2	2300035944	976	83	34.1	30	7.32	12.9	6.03	220	77.8	35.42	75.63	1	1	1	1	1	40.21	53.16540114
397	03/12/2020	8	8.4	8.4.1.2	2300035825	983	79	34.2	30	7.03	20.9	5.88	211	122.9	58.27	75.68	1	1	1	1	0	17.41	23.00155097
398	03/12/2020	8	8.4	8.4.1.2	2300033505	715	108	33.5	31	6.01	18.6	4.3	186	80.0	42.93	73.96	1	1	1	1	1	31.03	41.95877264
399	03/12/2020	8	8.4	8.4.1.3	2300035934	816	100	45.7	32	5.64	18.2	4.53	180	82.4	45.68	74.61	1	1	1	1	1	28.93	38.77161827
400	03/12/2020	8	8.4	8.4.1.3	2300038683	748	41	51.2	31	5.29	19.2	4.39	164	84.3	51.40	74.17	1	1	1	1	1	22.77	30.70508487
401	03/12/2020	8	8.4	8.4.1.3	2300035949	738	93	42.4	31	5.63	17.8	4.27	175	76.0	43.55	74.11	1	1	1	1	1	30.56	41.23676944
402	03/12/2020	8	8.4	8.4.1.3	2300037740	707	100	47.9	31	5.26	18.5	4.31	163	79.7	48.90	73.91	1	1	1	1	1	25.01	33.84028015
403	03/12/2020	8	8.4	8.4.1.3	2300028767	770	104	59	31	4.2	19.5	3.44	130	67.1	51.52	74.31	1	1	1	1	1	22.79	30.67155943
404	03/12/2020	8	8.4	8.4.1.3	2300035901	629	100	47.9	31	4.86	18.7	3.95	151	73.9	49.03	73.41	1	1	1	1	1	24.38	33.21544301
405	03/12/2020	8	8.4	8.4.1.3	2300036386	717	87	59.4	20	4.63	14	4.11	93	57.5	62.14	73.97	1	1	1	0	0	11.84	16.00081522
406	03/12/2020	8	8.4	8.4.1.3	2300036834	704	129	56.3	31	5.14	20.8	4.46	159	92.8	58.22	73.89	1	1	1	1	0	15.67	21.20869199
407	03/12/2020	8	8.4	8.4.1.3	2300035828	699	127	53.6	31	5.2	20.4	4.35	161	88.7	55.05	73.86	1	1	1	1	1	18.81	25.46720021
408	03/12/2020	8	8.4	8.4.1.3	2300035849	653	125	55.4	31	4.79	20.6	4.09	148	84.3	56.74	73.57	1	1	1	1	0	16.82	22.87043161
409	03/12/2020	8	8.4	8.4.1.3	2300036695	865	127	51.8	32	NA	NA	4.85	#VALUE!	#VALUE!	#VALUE!	74.92	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
410	03/12/2020	8	8.4	8.4.1.3	2300028686	981	116	49.3	30	6.98	19.9	5.43	209	108.1	51.60	75.66	1	1	1	1	1	24.06	31.79995895
411	03/12/2020	8	8.4	8.4.1.3	2300035531	1007	134	64.6	31	7.28	20.5	6.1	226	125.1	55.41	75.83	1	1	1	1	1	20.42	26.92901105
412	03/12/2020	8	8.4	8.4.1.3	2300036847	993	123	50.3	31	7.21	22.1	5.63	224	124.4	55.67	75.74	1	1	1	1	1	20.07	26.50267575
413	03/12/2020	8	8.4	8.4.1.4	2300029889	994	51	60.7	31	7.3	21.9	6.38	226	139.7	61.74	75.75	1	1	1	0	0	14.01	18.48991191
414	03/12/2020	8	8.4	8.4.1.4	2300028885	760	116	53.2	32	5.36	19.9	4.63	172	92.1	53.72	74.25	1	1	1	1	1	20.53	27.65261445
415	03/12/2020	8	8.4	8.4.1.4	2300028888	761	91	45.4	30	5.93	17.3	4.47	178	77.3	43.47	74.26	1	1	1	1	1	30.79	41.46120375
416	03/12/2020	8	8.4	8.4.1.4	2300035750	743	108	50	31	5.34	19.1	4.44	166	84.8	51.23	74.14	1	1	1	1	1	22.91	30.90386175
417	03/12/2020	8	8.4	8.4.1.4	2300028854	743	112	50.6	31	5.3	19.6	4.36	164	85.5	52.01	74.14	1	1	1	1	1	22.13	29.84713917
418	03/12/2020	8	8.4	8.4.1.4	23000350203	737	105	49.8	31	5.22	19.1	4.33	162	82.7	51.11	74.10	1	1	1	1	1	22.99	31.03091751

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
419	03/12/2020	8	8.4	8.4.1.4	2300036528	710	112	53.4	31	4.97	19.8	4.24	154	84.0	54.49	73.93	1	1	1	1	1	19.44	26.29579636
420	03/12/2020	8	8.4	8.4.1.4	2300028797	701	129	68	31	4.99	21.2	4.4	155	93.3	60.30	73.87	1	1	1	0	0	13.57	18.37107275
421	03/12/2020	8	8.4	8.4.1.4	2300035510	669	96	49.9	31	4.71	18.9	3.94	146	74.5	51.00	73.67	1	1	1	1	1	22.67	30.76927116
422	03/12/2020	8	8.4	8.4.1.4	2300037972	809	126	51.1	30	5.94	19.8	5.03	178	99.6	55.89	74.56	1	1	1	1	1	18.67	25.04534533
423	03/12/2020	8	8.4	8.4.1.4	2300035953	1008	132	53.2	30	7.32	20.2	6.1	220	123.2	56.11	75.84	1	1	1	1	1	19.73	26.01109863
424	03/12/2020	8	8.4	8.4.1.4	2300037663	1008	127	51.3	30	7.3	14.9	5.98	219	89.1	40.69	75.84	1	1	1	1	1	35.15	46.3510721
425	03/12/2020	8	8.4	8.4.1.4	2300035955	1012	130	52.2	31	7.32	20.7	5.91	227	122.3	53.91	75.86	1	1	1	1	1	21.95	28.93493076
426	03/12/2020	8	8.4	8.4.1.4	2300037738	976	92	40.9	30	6.88	14.9	5.82	206	86.7	42.01	75.63	1	1	1	1	1	33.62	44.44902597
427	03/12/2020	8	8.4	8.4.1.4	2300037962	834	129	43.7	32	6.07	21.1	4.99	194	105.3	54.21	74.72	1	1	1	1	1	20.52	27.45849784
428	03/12/2020	8	8.4	8.4.1.4	2300035952	845	102	76.1	31	6.16	5.38	6.29	191	33.8	17.72	74.79	1	1	1	1	1	57.07	76.30679811
429	03/12/2020	8	8.4	8.4.5.1	2300041864	844	82	42.6	30	6.05	15.2	5.44	182	82.7	45.56	74.79	1	1	1	1	1	29.23	39.08331499
430	03/12/2020	8	8.4	8.4.5.1	2300042663	840	132	57.4	31	5.9	21.7	4.99	183	108.3	59.20	74.76	1	1	1	1	0	15.56	20.81085333
431	03/12/2020	8	8.4	8.4.5.1	2300042632	845	99	46	30	5.98	18.3	4.87	179	89.1	49.68	74.79	1	1	1	1	1	25.12	33.5812264
432	03/12/2020	8	8.4	8.4.5.1	2300042781	867	131	57.2	31	6.23	21.7	5.27	193	114.4	59.21	74.93	1	1	1	1	0	15.72	20.97999441
433	03/12/2020	8	8.4	8.4.5.1	2300040966	829	128	43.9	30	6.37	20.5	5.37	191	110.1	57.61	74.69	1	1	1	1	0	17.09	22.87490767
434	03/12/2020	8	8.4	8.4.5.1	2300043969	982	89	36.7	31	7.1	17.7	6.12	220	108.3	49.22	75.67	1	1	1	1	1	26.45	34.96063079
435	03/12/2020	8	8.4	8.4.5.1	2300043048	988	120	45.4	30	6.96	20.3	5.36	209	108.8	52.11	75.71	1	1	1	1	1	23.60	31.16938085
436	03/12/2020	8	8.4	8.4.5.1	2300041861	966	92	34.1	30	7.07	12.7	6.11	212	77.6	36.59	75.57	1	1	1	1	1	38.98	51.58677256
437	03/12/2020	8	8.4	8.4.5.1	2300041871	991	89	40.5	32	6.43	17.9	6.06	206	108.5	52.72	75.73	1	1	1	1	1	23.01	30.38450383
438	03/12/2020	8	8.4	8.4.5.1	2300035083	993	107	49.7	31	6.34	20.3	4.87	197	98.9	50.30	75.74	1	1	1	1	1	25.44	33.5887177
439	03/12/2020	8	8.4	8.4.5.1	2300035068	873	115	21.5	32	6.25	19.5	5.3	200	103.4	51.68	74.97	1	1	1	1	1	23.30	31.07537093
440	03/12/2020	8	8.4	8.4.5.1	2300044192	993	96	58.7	21	6.54	14.4	5.73	137	82.5	60.08	75.74	1	1	1	1	0	15.66	20.6790532
441	03/12/2020	8	8.4	8.4.5.1	2300041853	996	112	48	30	6.29	19.5	4.99	189	97.3	51.57	75.76	1	1	1	1	1	24.19	31.93544683
442	03/12/2020	8	8.4	8.4.5.2	2300042675	995	104		30	6.15	19	4.79	185	91.0	49.33	75.75	1	1	1	1	1	26.43	34.884081
443	03/12/2020	8	8.4	8.4.5.2	2300043981	908	124	51.5	30	6.44	20.8	5.1	193	106.1	54.91	75.20	1	1	1	1	1	20.29	26.98287663
444	03/12/2020	8	8.4	8.4.5.2	2300043980	922	124	50.1	31	6.73	20.5	5.24	209	107.4	51.49	75.29	1	1	1	1	1	23.80	31.6104806
445	03/12/2020	8	8.4	8.4.5.2	2300041870	905	109	40.7	31	6.53	18.5	5.31	202	98.2	48.53	75.18	1	1	1	1	1	26.65	35.44935196
446	03/12/2020	8	8.4	8.4.5.2	2300035065	934	127	52.1	32	6.8	19.9	5.72	218	113.8	52.31	75.36	1	1	1	1	1	23.05	30.58895572
447	03/12/2020	8	8.4	8.4.5.2	2300035655	931	124	51.4	32	6.62	20.6	5.3	212	109.2	51.54	75.34	1	1	1	1	1	23.81	31.59558337
448	03/12/2020	8	8.4	8.4.5.2	2300035453	938	133	54.7	32	6.82	20.5	5.82	218	119.3	54.67	75.39	1	1	1	1	1	20.72	27.48408054

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
449	03/12/2020	8	8.4	8.4.5.2	2300043858	936	107	45.6	32	6.74	18.1	5.39	216	97.6	45.23	75.38	1	1	1	1	1	30.14	39.99021461
450	03/12/2020	8	8.4	8.4.5.2	2300043860	962	99	42.8	31	6.67	17.3	5.27	207	91.2	44.09	75.54	1	1	1	1	1	31.45	41.63182524
451	03/12/2020	8	8.4	8.4.5.2	2300043866	848	91	63.6	22	5.45	15.2	4.96	120	75.4	62.88	74.81	1	1	1	0	0	11.93	15.95190971
452	03/12/2020	8	8.4	8.4.5.2	2300041875	900	88	43.5	32	6.27	14.8	5.73	201	84.8	42.27	75.15	1	1	1	1	1	32.88	43.75383066
453	03/12/2020	8	8.4	8.4.2.1	2300041106	903	82	39.9	31	6.42	14.7	5.62	199	82.6	41.51	75.17	1	1	1	1	1	33.65	44.77444221
454	03/12/2020	8	8.4	8.4.2.1	2300041809	951	135	59.6	30	6.52	21.4	5.77	196	123.5	63.13	75.47	1	1	1	0	0	12.34	16.35642717
455	03/12/2020	8	8.4	8.4.2.1	2300037907	944	128	55.1	31	6.65	20.4	5.72	206	116.7	56.60	75.43	1	1	1	1	0	18.82	24.95658871
456	03/12/2020	8	8.4	8.4.2.1	2300037744	958	136	57.9	30	6.91	21.1	6.03	207	127.2	61.38	75.52	1	1	1	0	0	14.14	18.72544761
457	03/12/2020	8	8.4	8.4.2.1	2300041855	977	15	63.5	30	6.8	22.7	6.06	204	137.6	67.43	75.64	1	1	0	0	0	8.21	10.84952043
458	03/12/2020	8	8.4	8.4.2.1	2300042285	880	138	56.3	31	7.1	20.9	6.06	220	126.7	57.54	75.02	1	1	1	1	0	17.47	23.29328467
459	03/12/2020	8	8.4	8.4.2.1	2300035376	1002	126	23.8	32	2.99	15.9	1.41	96	22.4	23.43	75.80	1	1	1	1	1	52.37	69.08759888
460	03/12/2020	8	8.4	8.4.2.1	2300042864	993	68	34.6	10	1.59	5.3	1.05	16	5.6	35.00	75.74	1	1	1	1	1	40.74	53.79001125
461	03/12/2020	8	8.4	8.4.2.1	2300043861	999	126	26.9	30	1.35	15.8	6.73	41	106.3	262.55	75.78	1	1	1	1	1	-186.77	-246.4693485
462	03/12/2020	8	8.4	8.4.2.1	2300042860	974	95	25.8	31	1.05	16	6.54	33	104.6	321.47	75.62	1	1	1	1	1	-245.86	-325.1208078
463	03/12/2020	8	8.4	8.4.2.1	2300042855	970	136	54.9	30	7.08	20.3	6	212	121.8	57.34	75.59	1	1	1	1	0	18.25	24.14129062
464	03/12/2020	8	8.4	8.4.2.1	2300035353	951	90	27.5	30	4.17	15.6	2.31	125	36.0	28.81	75.47	1	1	1	1	1	46.67	61.83272906
465	03/12/2020	8	8.4	8.4.2.1	2300041858	943	135	55.9	30	6.7	21.3	5.55	201	118.2	58.81	75.42	1	1	1	1	0	16.61	22.02002509
466	03/12/2020	8	8.4	8.4.2.1	2300029638	703	129	56.7	30	5.07	21.2	4.31	152	91.4	60.07	73.89	1	1	1	0	0	13.81	18.69327583
467	03/12/2020	8	8.4	8.4.2.1	2300034572	589	11	24.7	32	1.47	15.4	0.76	47	11.7	24.88	73.16	1	1	1	1	1	48.27	65.98899827
468	03/12/2020	8	8.4	8.4.2.1	2300034570	686	46	64.4	10	4.88	7.4	4.54	49	33.6	68.84	73.78	1	0	0	0	0	4.93	6.685251252
469	03/12/2020	8	8.4	8.4.2.1	2300034507	679	45	64.4	10	4.52	7.6	4.12	45	31.3	69.27	73.73	1	0	0	0	0	4.46	6.045255653
470	03/12/2020	8	8.4	8.4.2.1	2300034563	675	103	55.4	20	4.09	19.9	3.95	82	78.6	96.09	73.71	1	1	1	1	1	-22.39	-30.37491117
471	03/12/2020	8	8.4	8.4.2.1	2300042876	671	19	28.8	32	4.76	22.2	1.71	152	38.0	24.92	73.68	1	1	1	1	1	48.76	66.17481513
472	03/12/2020	8	8.4	8.4.2.1	2300042880	666	90	46.4	32	3.47	18.6	5.81	111	108.1	97.32	73.65	1	1	1	1	1	-23.67	-32.14365265
473	03/12/2020	8	8.4	8.4.2.1	2300042858	668	24	29.6	32	4.61	14.3	2.15	148	30.7	20.84	73.66	1	1	1	1	1	52.82	71.70662185
474	03/12/2020	8	8.4	8.4.2.1	2300042859	657	42	61.4	10	4.42	7.2	4.21	44	30.3	68.58	73.59	1	0	0	0	0	5.01	6.810110068
475	03/12/2020	8	8.4	8.4.2.1	2300042854	661	82	48.4	32	4.97	18.5	3.72	159	68.8	43.27	73.62	1	1	1	1	1	30.34	41.21943915
476	03/12/2020	8	8.4	8.4.2.1	2300042538	663	52	67.7	10	4.67	7.7	4.68	47	36.0	77.16	73.63	0	0	0	0	0	-3.54	-4.802010924
477	03/12/2020	8	8.4	8.4.2.2	2300037634	654	42	60.8	10	4.61	7.1	4.24	46	30.1	65.30	73.57	1	1	0	0	0	8.27	11.24086137
478	03/12/2020	8	8.4	8.4.2.2	2300037643	647	48	65	10	4.47	7.6	4.22	45	32.1	71.75	73.53	0	0	0	0	0	1.78	2.417294489

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
479	03/12/2020	8	8.4	8.4.2.2	2300037644	647	78	45.8	32	4.84	18.2	3.63	155	66.1	42.66	73.53	1	1	1	1	1	30.87	41.98543932
480	03/12/2020	8	8.4	8.4.2.2	2300034574	644	54	68.1	10	4.72	7.8	4.5	47	35.1	74.36	73.51	0	0	0	0	0	-0.86	-1.165602985
481	03/12/2020	8	8.4	8.4.2.2	2300037641	641	47	62.5	10	0.46	7.4	4.28	5	31.7	688.52	73.49	1	1	1	1	1	-615.03	-836.9121373
482	03/12/2020	8	8.4	8.4.2.2	2300042835	638	10.1	25.4	32	0.66	0.84	1.5	21	1.3	5.97	73.47	1	1	1	1	1	67.50	91.8797141
483	03/12/2020	8	8.4	8.4.2.2	2300042864	627	11	26.3	31	1.38	15.8	0.74	43	11.7	27.33	73.40	1	1	1	1	1	46.07	62.76433908
484	03/12/2020	8	8.4	8.4.2.2	2300042805	622	38	60.3	10	4.24	7.1	3.87	42	27.5	64.80	73.37	1	1	0	0	0	8.56	11.67088481
485	03/12/2020	8	8.4	8.4.2.2	2300035354	626	20	26.3	31	1.78	16.2	0.92	55	14.9	27.01	73.39	1	1	1	1	1	46.38	63.19811567
486	03/12/2020	8	8.4	8.4.2.2	2300042862	624	27.5	34.9	31	4.21	12.9	3.66	131	47.2	36.18	73.38	1	1	1	1	1	37.20	50.69946116
487	03/12/2020	8	8.4	8.4.2.2	2300035355	606	27	31.1	10	4.15	15.7	2.65	42	41.6	100.25	73.26	1	1	1	1	1	-26.99	-36.83727984
488	03/12/2020	8	8.4	8.4.2.2	2300034575	603	32	21.3	31	2.99	15.7	1.3	93	20.4	22.02	73.25	1	1	1	1	1	51.23	69.93709438
489	03/12/2020	8	8.4	8.4.2.2	2300042865	606	19	19.8	31	2.55	9.9	1.63	79	16.1	20.41	73.26	1	1	1	1	1	52.85	72.13699663
490	03/12/2020	8	8.4	8.4.2.2	2300029648	697	20	51.3	10	3.62	6	3.31	36	19.9	54.86	73.85	1	1	1	1	1	18.98	25.70852298
491	03/12/2020	8	8.4	8.4.2.2	2300029638	591	59	40.2	10	4.04	17.6	2.98	40	52.4	129.82	73.17	1	1	1	1	1	-56.65	-77.42875637
492	03/12/2020	8	8.4	8.4.2.2	2300034571	592	40	61.4	31	4.06	7.2	3.68	126	26.5	21.05	73.17	1	1	1	1	1	52.12	71.23058417
493	03/12/2020	8	8.4	8.4.2.2	2300034570	586	16.3	36.1	10	0.35	9.9	0.43	4	4.3	121.63	73.14	1	1	1	1	1	-48.49	-66.303744
494	03/12/2020	8	8.4	8.4.2.2	2300034568	581	41	39.8	10	4.06	19	3.43	41	65.2	160.52	73.10	1	1	1	1	1	-87.41	-119.5726131
495	03/12/2020	8	8.4	8.4.2.2	2300034555	574	55	68.7	31	4.26	8.6	3.91	132	33.6	25.46	73.06	1	1	1	1	1	47.60	65.14808665
496	03/12/2020	8	8.4	8.4.2.2	2300042903	572	52	68.2	10	4.2	7.9	3.8	42	30.0	71.48	73.05	0	0	0	0	0	1.57	2.150141449
497	03/12/2020	8	8.4	8.4.2.2	2300042898	574	27	36.4	10	0.51	9.6	1.17	5	11.2	220.24	73.06	1	1	1	1	1	-147.18	-201.4460716
498	03/12/2020	8	8.4	8.4.2.2	2300042834	580	55	68.3	10	4.3	8	3.93	43	31.4	73.12	73.10	0	0	0	0	0	-0.02	-0.025006252
499	03/12/2020	8	8.4	8.4.2.2	2300042834	577	55	68.1	10	4.3	8	3.91	43	31.3	72.74	73.08	0	0	0	0	0	0.33	0.457881018
500	04/12/2020	8	8.1	8.1.6.1	2300043191	569	22	52.9	10	3.58	6.3	3.23	36	20.3	56.84	73.03	1	1	1	1	0	16.19	22.1653428
501	04/12/2020	8	8.1	8.1.6.1	2300036822	561	32	22.5	31	0.91	14.7	0.45	28	6.6	23.45	72.98	1	1	1	1	1	49.53	67.867514
502	04/12/2020	8	8.1	8.1.6.1	2300037543	556	35	58.2	10	3.76	7	3.34	38	23.4	62.18	72.94	1	1	0	0	0	10.76	14.75582627
503	04/12/2020	8	8.1	8.1.6.1	2300035440	603	13.2	24.9	30	1.57	15.8	0.8	47	12.6	26.84	73.25	1	1	1	1	1	46.41	63.36071436
504	04/12/2020	8	8.1	8.1.6.1	2300035050	600	31	36.7	32	3.97	16.2	2.93	127	47.5	37.36	73.23	1	1	1	1	1	35.86	48.97572547
505	04/12/2020	8	8.1	8.1.6.1	2300035658	595	12	39.6	32	4.08	14.7	3.51	131	51.6	39.52	73.19	1	1	1	1	1	33.67	46.00682975
506	04/12/2020	8	8.1	8.1.6.1	2300042375	583	125	48.1	30	4.02	21.9	3.45	121	75.6	62.65	73.12	1	1	0	0	0	10.47	14.31666731
507	04/12/2020	8	8.1	8.1.6.1	2300037527	572	108	56.2	31	3.94	21	3.4	122	71.4	58.46	73.05	1	1	1	0	0	14.59	19.97252751
508	04/12/2020	8	8.1	8.1.6.1	2300037436	665	128	62.7	30	3.71	22.6	3.32	111	75.0	67.41	73.64	1	0	0	0	0	6.23	8.45686447

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
509	04/12/2020	8	8.1	8.1.6.1	2300037400	528	135	64.7	30	3.46	23.1	3.29	104	76.0	73.22	72.77	0	0	0	0	0	-0.45	-0.620575503
510	04/12/2020	8	8.1	8.1.6.1	2300036620	505	22	1.17	31	1.2	21	1.8	37	37.8	101.61	72.62	1	1	1	1	1	-28.99	-39.92798373
511	04/12/2020	8	8.1	8.1.6.1	2300036759	545	111	60.2	32	3.65	21.7	3.28	117	71.2	60.94	72.87	1	1	1	0	0	11.94	16.37846672
512	04/12/2020	8	8.1	8.1.6.1	2300036408	549	32	25.3	31	3.71	11	2.78	115	30.6	26.59	72.90	1	1	1	1	1	46.31	63.52655946
513	04/12/2020	8	8.1	8.1.6.1	2300041165	552	80	50.8	32	3.77	19.5	3.2	121	62.4	51.72	72.92	1	1	1	1	1	21.19	29.06611473
514	04/12/2020	8	8.1	8.1.6.1	2300036402	665	32	20.9	32	4.02	15.9	1.73	129	27.5	21.38	73.64	1	1	1	1	1	52.26	70.96367684
515	04/12/2020	8	8.1	8.1.6.1	2300036747	652	126	58.8	32	4.24	21.6	3.98	136	86.0	63.36	73.56	1	1	0	0	0	10.20	13.86367225
516	04/12/2020	8	8.1	8.1.6.1	2300042119	647	138	60.4	32	4.53	22.6	3.94	145	89.0	61.43	73.53	1	1	1	0	0	12.10	16.45685595
517	04/12/2020	8	8.1	8.1.6.1	2300037009	648	78	46.6	32	4.39	18.4	3.61	140	66.4	47.28	73.53	1	1	1	1	1	26.25	35.6976181
518	04/12/2020	8	8.1	8.1.6.1	2300036743	645	43	33.8	32	4.19	16.4	2.78	134	45.6	34.00	73.51	1	1	1	1	1	39.51	53.74543631
519	04/12/2020	8	8.1	8.1.6.3	2300043982	639	110	56.4	32	4.28	20.9	3.73	137	78.0	56.92	73.48	1	1	1	1	0	16.56	22.53273393
520	04/12/2020	8	8.1	8.1.6.3	2300036640	623	130	60.9	32	4.3	20.3	3.81	138	77.3	56.21	73.37	1	1	1	1	0	17.16	23.39358842
521	04/12/2020	8	8.1	8.1.6.3	2300042062	629	134	62.4	32	4.28	22.6	3.81	137	86.1	62.87	73.41	1	1	0	0	0	10.54	14.36033143
522	04/12/2020	8	8.1	8.1.6.3	2300035492	630	84	69.5	32	4.27	19	3.61	137	68.6	50.20	73.42	1	1	1	1	1	23.22	31.62766688
523	04/12/2020	8	8.1	8.1.6.3	2300036010	627	45	36.8	32	4.16	16.6	2.97	133	49.3	37.04	73.40	1	1	1	1	1	36.36	49.54174018
524	04/12/2020	8	8.1	8.1.6.3	2300036807	632	17.6	24.7	32	3.13	15.2	1.63	100	24.8	24.74	73.43	1	1	1	1	1	48.69	66.31328853
525	04/12/2020	8	8.1	8.1.6.3	2300036540	633	18.6	23.9	32	4.28	10.8	3.07	137	33.2	24.21	73.44	1	1	1	1	1	49.23	67.0350612
526	04/12/2020	8	8.1	8.1.6.3	2300035539	633	86	46.8	32	4.48	18.8	3.59	143	67.5	47.08	73.44	1	1	1	1	1	26.36	35.89259526
527	04/12/2020	8	8.1	8.1.6.3	2300036800	622	108	55.1	31	4.35	20.7	3.78	135	78.2	58.02	73.37	1	1	1	1	0	15.34	20.91181347
528	04/12/2020	8	8.1	8.1.6.3	2300037575	995	57.7	57.7	33	7.08	2.31	5.88	234	13.6	5.81	75.75	1	1	1	1	1	69.94	92.32573947
529	04/12/2020	8	8.1	8.1.6.3	2300037573	989	63.1	63.1	33	7.24	24.1	6.32	239	152.3	63.75	75.72	1	1	1	0	0	11.97	15.80307192
530	04/12/2020	8	8.1	8.1.6.3	2300035021	975	63.6	63.6	32	7.11	24	6.23	228	149.5	65.72	75.63	1	1	0	0	0	9.91	13.10224053
531	04/12/2020	8	8.1	8.1.6.3	2300035225	977	64.6	64.6	32	7.19	24.2	6.33	230	153.2	66.58	75.64	1	1	0	0	0	9.06	11.97711938
532	04/12/2020	8	8.1	8.1.6.3	2300038003	986	55.2	55.2	32	7.04	21.9	5.18	225	113.4	50.36	75.70	1	1	1	1	1	25.34	33.47635895
533	04/12/2020	8	8.1	8.1.6.3	2300037525	986	66	66	32	7.28	24.5	6.45	233	158.0	67.83	75.70	1	1	0	0	0	7.86	10.38737159
534	04/12/2020	8	8.1	8.1.6.3	2300036406	993	29	29	32	4.37	16.6	2.45	140	40.7	29.08	75.74	1	1	1	1	1	46.66	61.60182571
535	04/12/2020	8	8.1	8.1.6.3	2300037863	889	66.4	66.4	32	7.12	23.9	6.47	228	154.6	67.87	75.08	1	0	0	0	0	7.21	9.598966003
536	04/12/2020	8	8.1	8.1.6.3	2300043898	991	33.6	33.6	33	6.8	17	4.37	224	74.3	33.11	75.73	1	1	1	1	1	42.62	56.28316377
537	04/12/2020	8	8.1	8.1.6.2	2300036424	983	27.1	27.1	32	6.71	16.5	3.63	215	59.9	27.89	75.68	1	1	1	1	1	47.78	63.1401965
538	04/12/2020	8	8.1	8.1.6.2	2300037000	973	65.3	65.3	30	6.62	23.5	5.97	199	140.3	70.64	75.61	1	0	0	0	0	4.97	6.574521436

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
539	04/12/2020	8	8.1	8.1.6.2	2300036009	973	65	65	32	6.95	23.9	6.19	222	147.9	66.52	75.61	1	1	0	0	0	9.09	12.02563334
540	04/12/2020	8	8.1	8.1.6.2	2300035994	977	21.3	21.3	32	1.45	16.8	0.59	46	9.9	21.36	75.64	1	1	1	1	1	54.28	71.7577897
541	04/12/2020	8	8.1	8.1.6.2	2300037867	957	64.5	64.5	32	6.73	23.7	5.98	215	141.7	65.81	75.51	1	1	0	0	0	9.70	12.84838969
542	04/12/2020	8	8.1	8.1.6.2	2300035019	961	30.1	30.1	32	6.31	16.4	4.4	202	72.2	35.74	75.54	1	1	1	1	1	39.80	52.6891333
543	04/12/2020	8	8.1	8.1.6.2	2300037614	977	24.3	24.3	32	2.96	16	1.46	95	23.4	24.66	75.64	1	1	1	1	1	50.98	67.39482625
544	04/12/2020	8	8.1	8.1.6.2	2300036791	983	62.8	62.8	32	7.08	23.1	6.16	227	142.3	62.81	75.68	1	1	1	0	0	12.87	17.00643868
545	04/12/2020	8	8.1	8.1.6.2	2300036448	985	49.7	49.7	32	7	19.7	5.75	224	113.3	50.57	75.69	1	1	1	1	1	25.12	33.18906536
546	04/12/2020	8	8.1	8.1.6.2	2300035742	987	51.1	51.1	32	7.03	19.7	5.92	225	116.6	51.84	75.70	1	1	1	1	1	23.86	31.51890648
547	04/12/2020	8	8.1	8.1.6.2	2300036778	982	62	62	32	7.02	21.4	6.16	225	131.8	58.68	75.67	1	1	1	1	0	16.99	22.45048793
548	04/12/2020	8	8.1	8.1.6.2	2300036765	985	62.9	62.9	32	7.32	23.7	6.29	234	149.1	63.64	75.69	1	1	1	0	0	12.05	15.91869825
549	04/12/2020	8	8.1	8.1.6.2	2300035998	986	60.4	60.4	32	7.32	23.4	6.14	234	143.7	61.34	75.70	1	1	1	0	0	14.36	18.96960732
550	04/12/2020	8	8.1	8.1.6.2	2300037845	982	59.8	59.8	32	7.22	22.7	6.14	231	139.4	60.33	75.67	1	1	1	1	0	15.34	20.27790057
551	04/12/2020	8	8.1	8.1.6.2	2300036002	980	60.7	60.7	32	7.2	23.2	6.13	230	142.2	61.73	75.66	1	1	1	0	0	13.93	18.41484781
552	04/12/2020	8	8.1	8.1.6.2	2300037843	994	67	26.1	33	6.86	11.4	5.22	226	59.5	26.29	75.75	1	1	1	1	1	49.46	65.29688802
553	04/12/2020	8	8.1	8.1.6.2	2300037430	991	127	56	32	6.52	22.6	5.35	209	120.9	57.95	75.73	1	1	1	1	0	17.78	23.47455459
554	04/12/2020	8	8.1	8.1.6.2	2300035858	927	15	20	31	1.16	15.6	5.49	36	85.6	238.16	75.32	1	1	1	1	1	-162.85	-216.2087385
555	04/12/2020	8	8.1	8.1.6.2	2300037570	984	59	27.9	33	6.13	16	6.42	202	102.7	50.78	75.68	1	1	1	1	1	24.91	32.90675232
556	04/12/2020	8	8.1	8.1.6.4	23000037638	989	21	26	33	2.4	16.1	3.51	79	56.5	71.35	75.72	1	0	0	0	0	4.36	5.762785044
557	04/12/2020	8	8.1	8.1.6.4	2300036018	989	107	64.3	32	7.15	23.7	1.6	229	37.9	16.57	75.72	1	1	1	1	1	59.14	78.11094864
558	04/12/2020	8	8.1	8.1.6.4	2300036421	990	64	27.5	32	6.89	11.7	6.34	220	74.2	33.64	75.72	1	1	1	1	1	42.08	55.56922965
559	04/12/2020	8	8.1	8.1.6.4	230035921	986	24	26.8	32	2.97	15.8	6.12	95	96.7	101.74	75.70	1	1	1	1	1	-26.05	-34.40853758
560	04/12/2020	8	8.1	8.1.6.4	2300036014	987	94	40	31	6.85	17.9	5.91	212	105.8	49.82	75.70	1	1	1	1	1	25.88	34.19236193
561	04/12/2020	8	8.1	8.1.6.4	2300035852	968	92	30	32	7.1	4.36	6.07	227	26.5	11.65	75.58	1	1	1	1	1	63.93	84.58821044
562	04/12/2020	8	8.1	8.1.6.4	2300042377	996	16	26.6	32	1.75	15.9	6.09	56	96.8	172.91	75.76	1	1	1	1	1	-97.15	-128.2359914
563	04/12/2020	8	8.1	8.1.6.4	2300036490	997	7.5	25.8	32	0.86	15.2	0.94	28	14.3	51.92	75.77	1	1	1	1	1	23.85	31.47578537
564	04/12/2020	8	8.1	8.1.6.4	2300036744	999	111	44.7	33	7.16	18.7	6.36	236	118.9	50.34	75.78	1	1	1	1	1	25.44	33.57685244
565	04/12/2020	8	8.1	8.1.6.4	2300042380	980	68	27.8	34	7	12	5.43	238	65.2	27.38	75.66	1	1	1	1	1	48.28	63.81327651
566	04/12/2020	8	8.1	8.1.6.4	2300035756	975	23	27	33	3.4	16.2	1.8	112	29.2	25.99	75.63	1	1	1	1	1	49.64	65.63443153
567	04/12/2020	8	8.1	8.1.6.4	2300036429	966	51	29.5	33	4.95	16.2	2.58	163	41.8	25.59	75.57	1	1	1	1	1	49.98	66.14090432
568	04/12/2020	8	8.1	8.1.6.4	2300037013	974	15	22.4	32	2.57	16.5	1.14	82	18.8	22.87	75.62	1	1	1	1	1	52.75	69.75376528

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
569	04/12/2020	8	8.1	8.1.6.4	2300036653	965	20	21	33	4.83	23.5	1.43	159	33.6	21.08	75.56	1	1	1	1	1	54.48	72.09773978
570	04/12/2020	8	8.1	8.1.6.4	2300036774	991	50	24.1	32	0.16	10.8	4.53	5	48.9	955.55	75.73	1	1	1	1	1	-879.82	-1161.807822
571	04/12/2020	8	8.1	8.1.6.4	2300037004	991	31	27.5	33	3.23	16	1.83	107	29.3	27.47	75.73	1	1	1	1	1	48.26	63.72596823
572	04/12/2020	8	8.1	8.1.6.4	2300037725	1001	40.9	28.1	32	4.15	16.1	2.93	133	47.2	35.52	75.79	1	1	1	1	1	40.27	53.13271865
573	04/12/2020	8	8.1	8.1.6.4	2300037856	1007	102	38.4	33	7.43	14.8	6.44	245	95.3	38.87	75.83	1	1	1	1	1	36.96	48.73756975
574	04/12/2020	8	8.1	8.1.6.4	2300035015	992	132	53.4	33	7.07	21.7	5.69	233	123.5	52.92	75.73	1	1	1	1	1	22.81	30.12156601
575	04/12/2020	8	8.1	8.1.6.4	2300035889	992	17	22.9	32	3.18	16	1.51	102	24.2	23.74	75.73	1	1	1	1	1	51.99	68.65095258
576	04/12/2020	8	8.1	8.1.6.4	2300035854	962	25	20.3	33	2.5	16.4	1	83	16.4	19.88	75.54	1	1	1	1	1	55.66	73.68539705
577	04/12/2020	8	8.1	8.1.6.4	2300042063	990	25	23.9	33	3	15.3	1.56	99	23.9	24.11	75.72	1	1	1	1	1	51.61	68.16104843
578	04/12/2020	8	8.1	8.1.6.4	2300036681	975	67	27.6	32	7.03	21.1	5.23	225	110.4	49.05	75.63	1	1	1	1	1	26.57	35.13540505
579	04/12/2020	8	8.1	8.1.6.4	2300029359	954	113	48.8	32	6.52	18.8	5.43	209	102.1	48.93	75.49	1	1	1	1	1	26.56	35.18709691
580	04/12/2020	8	8.2	8.2.6.1	2300035847	960	88	39.4	32	6.57	16.7	4.92	210	82.2	39.08	75.53	1	1	1	1	1	36.45	48.25757947
581	04/12/2020	8	8.2	8.2.6.1	2300036434	966	20.1	30.6	32	2.09	11.2	2.93	67	32.8	49.07	75.57	1	1	1	1	1	26.50	35.06943955
582	04/12/2020	8	8.2	8.2.6.1	2300036984	996	50	25.1	32	5.95	14.9	3.56	190	53.0	27.86	75.76	1	1	1	1	1	47.90	63.22716921
583	04/12/2020	8	8.2	8.2.6.1	2300029520	970	75	33.6	32	6.73	12.9	5.55	215	71.6	33.24	75.59	1	1	1	1	1	42.35	56.02252154
584	04/12/2020	8	8.2	8.2.6.1	2300037907	797	62	64.2	30	4.32	23.8	5.34	130	127.1	98.06	74.49	1	1	1	1	1	-23.58	-31.65395052
585	04/12/2020	8	8.2	8.2.6.1	2300037986	833	62	37.1	32	5.78	13.4	5.14	185	68.9	37.24	74.72	1	1	1	1	1	37.48	50.16097793
586	04/12/2020	8	8.2	8.2.6.1	2300036585	837	133	56.2	32	6.03	21.1	5.23	193	110.4	57.19	74.74	1	1	1	1	0	17.55	23.48484005
587	04/12/2020	8	8.2	8.2.6.1	2300037401	842	79	35.1	32	5.78	16.4	4.33	185	71.0	38.39	74.77	1	1	1	1	1	36.38	48.65493978
588	04/12/2020	8	8.2	8.2.6.1	2300037984	848	110	48.7	32	6	19.1	4.93	192	94.2	49.04	74.81	1	1	1	1	1	25.77	34.445754
589	04/12/2020	8	8.2	8.2.6.1	2300036753	853	112	48.3	32	6.09	23.8	4.86	195	115.7	59.35	74.85	1	1	1	1	0	15.49	20.69839044
590	04/12/2020	8	8.2	8.2.6.1	2300038706	854	52	33.9	32	5.78	19.4	4.89	185	94.9	51.29	74.85	1	1	1	1	1	23.56	31.47773909
591	04/12/2020	8	8.2	8.2.6.1	2300029580	817	86	41.4	32	5.96	12.8	4.4	191	56.3	29.53	74.61	1	1	1	1	1	45.08	60.42313141
592	04/12/2020	8	8.2	8.2.6.1	2300037566	829	16	27.6	32	5.08	17.1	1.74	163	29.8	18.30	74.69	1	1	1	1	1	56.39	75.49470667
593	04/12/2020	8	8.2	8.2.6.1	2300036756	843	34	28.4	32	3.8	25.6	2.27	122	58.1	47.79	74.78	1	1	1	1	1	26.99	36.09426743
594	04/12/2020	8	8.2	8.2.6.1	2300036799	831	132	58.3	32	5.71	15.2	4.92	183	74.8	40.93	74.70	1	1	1	1	1	33.78	45.21313852
595	04/12/2020	8	8.2	8.2.6.1	2300036719	829	114	50.4	32	5.93	10.5	4.92	190	51.7	27.22	74.69	1	1	1	1	1	47.47	63.55164206
596	04/12/2020	8	8.2	8.2.6.1	2300038010	828	99	45.2	32	5.99	19.4	4.78	192	92.7	48.38	74.69	1	1	1	1	1	26.31	35.22338083
597	04/12/2020	8	8.2	8.2.6.1	2300036407	841	68	31.9	32	5.83	18.1	3.55	187	64.3	34.44	74.77	1	1	1	1	1	40.33	53.93508143
598	04/12/2020	8	8.2	8.2.6.1	2300037598	850	28	25.5	32	5.53	16.7	4.01	177	67.0	37.84	74.83	1	1	1	1	1	36.98	49.4253129

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
599	04/12/2020	8	8.2	8.2.6.1	2300037995	864	17	52.7	32	6.25	11.3	4.25	200	48.0	24.01	74.92	1	1	1	1	1	50.90	67.94726332
600	04/12/2020	8	8.2	8.2.6.1	2300038234	881	97	57.8	31	6.16	23.3	5.76	191	134.2	70.28	75.02	1	0	0	0	0	4.74	6.322893545
601	04/12/2020	8	8.2	8.2.6.1	2300037612	963	138	56.3	32	6.98	21.5	5.95	223	127.9	57.27	75.55	1	1	1	1	0	18.28	24.19110702
602	04/12/2020	8	8.2	8.2.6.2	2300036482	1009	20	55.2	31	3.1	16.7	2.16	96	36.1	37.54	75.84	1	1	1	1	1	38.31	50.5088101
603	04/12/2020	8	8.2	8.2.6.2	2300036782	1015	99	41.6	31	7.03	17.3	5.38	218	93.1	42.71	75.88	1	1	1	1	1	33.17	43.71760225
604	04/12/2020	8	8.2	8.2.6.2	2300036480	1006	122	15	31	7.18	19.4	5.88	223	114.1	51.25	75.82	1	1	1	1	1	24.57	32.40976825
605	04/12/2020	8	8.2	8.2.6.2	2300036782	1019	54	24.5	31	6.17	10.3	4.65	191	47.9	25.04	75.91	1	1	1	1	1	50.87	67.01184251
606	04/12/2020	8	8.2	8.2.6.2	2300029350	1051	15	25	31	1.78	15	0.95	55	14.3	25.82	76.11	1	1	1	1	1	50.29	66.07047719
607	04/12/2020	8	8.2	8.2.6.2	2300035857	1026	134	56.9	24	6.95	21.2	3.93	167	83.3	49.95	75.95	1	1	1	1	1	26.00	34.23559981
608	04/12/2020	8	8.2	8.2.6.2	2300029087	1040	20	20	30	1.42	15.7	0.57	43	8.9	21.01	76.04	1	1	1	1	1	55.03	72.3744217
609	04/12/2020	8	8.2	8.2.6.2	2300035757	1034	8.6	26.7	30	0.94	15.3	0.52	28	8.0	28.21	76.00	1	1	1	1	1	47.79	62.87969786
610	04/12/2020	8	8.2	8.2.6.2	2300035867	1030	125	53.8	30	7.02	20.4	5.78	211	117.9	55.99	75.98	1	1	1	1	1	19.99	26.30945275
611	04/12/2020	8	8.2	8.2.6.2	2300029600	1024	137	55.9	30	7.26	23.3	6.26	218	145.9	66.97	75.94	1	1	0	0	0	8.97	11.81310055
612	04/12/2020	8	8.2	8.2.6.2	2300029387	1021	20	24.4	30	0.73	20.4	0.34	22	6.9	31.67	75.92	1	1	1	1	1	44.25	58.28363276
613	04/12/2020	8	8.2	8.2.6.2	2300029424	1031	127	55.1	30	7.05	21.7	5.03	212	109.2	51.61	75.98	1	1	1	1	1	24.38	32.08074575
614	04/12/2020	8	8.2	8.2.6.2	2300035800	1032	50	0	30				0	0.0	#DIV/0!	75.99	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
615	04/12/2020	8	8.2	8.2.6.2	2300029790	832	78	35.7	32	5.74	16.3	4.03	184	65.7	35.76	74.71	1	1	1	1	1	38.95	52.13176737
616	04/12/2020	8	8.2	8.2.6.2	2300037861	884	51	30.5	31	6.04	11.8	4.98	187	58.8	31.38	75.04	1	1	1	1	1	43.66	58.17855275
617	04/12/2020	8	8.2	8.2.6.2	2300029465	854	126	52.6	31	6.16	20.4	5.17	191	105.5	55.23	74.85	1	1	1	1	1	19.62	26.21344801
618	04/12/2020	8	8.2	8.2.6.2	2300035608	872	103	43.7	31	6.41	18.4	4.88	199	89.8	45.19	74.97	1	1	1	1	1	29.78	39.72337206
619	04/12/2020	8	8.2	8.2.6.2	2300037869	887	61	30.3	31	5.57	16.7	3.19	173	53.3	30.85	75.06	1	1	1	1	1	44.21	58.89775868
620	04/12/2020	8	8.2	8.2.6.2	2300029687	882	41	27.6	31	6.02	11.7	4.53	187	53.0	28.40	75.03	1	1	1	1	1	46.63	62.14822049
621	04/12/2020	8	8.2	8.2.6.2	2300037969	902	109	48	31	6.39	18.1	5.4	198	97.7	49.34	75.16	1	1	1	1	1	25.82	34.35072335
622	04/12/2020	8	8.2	8.2.6.2	2300035752	888	101	66.5	32	6.31	18.2	4.86	202	88.5	43.81	75.07	1	1	1	1	1	31.26	41.64655077
623	04/12/2020	8	8.2	8.2.6.2	2300028707	873	106	47.4	32	6.05	18.7	4.87	194	91.1	47.04	74.97	1	1	1	1	1	27.93	37.25788318
624	04/12/2020	8	8.2	8.2.6.2	2300036427	889	52	29.4	32	6.35	11.1	4.96	203	55.1	27.09	75.08	1	1	1	1	1	47.98	63.91039407
625	04/12/2020	8	8.2	8.2.6.2	2300037588	884	124	52.5	31	6.41	19.7	5.46	199	107.6	54.13	75.04	1	1	1	1	1	20.91	27.8684133
626	04/12/2020	8	8.2	8.2.6.3	2300029341	879	120	50.6	32	6.37	19.6	5.29	204	103.7	50.87	75.01	1	1	1	1	1	24.15	32.18997513
627	04/12/2020	8	8.2	8.2.6.3	2300038027	872	127	52.8	31	6.42	20.5	5.26	199	107.8	54.18	74.97	1	1	1	1	1	20.79	27.72736148
628	04/12/2020	8	8.2	8.2.6.3	2300037382	902	78	37.7	30	6.46	13.7	5.71	194	78.2	40.36	75.16	1	1	1	1	1	34.79	46.29396813

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
629	04/12/2020	8	8.2	8.2.6.3	2300028743	897	73	34.1	30	6.12	16.4	4.06	184	66.6	36.27	75.13	1	1	1	1	1	38.86	51.72721957
630	04/12/2020	8	8.2	8.2.6.3	2300037978	899	110	40.8	31	6.14	22.4	3.59	190	80.4	42.25	75.14	1	1	1	1	1	32.89	43.77317985
631	04/12/2020	8	8.2	8.2.6.3	2300029792	882	48	52.6	12	6.4	7.4	6.03	77	44.6	58.10	75.03	1	1	1	1	0	16.93	22.56305077
632	04/12/2020	8	8.2	8.2.6.3	2300029793	1021	20	25.2	31	0.72	16.3	0.36	22	5.9	26.29	75.92	1	1	1	1	1	49.63	65.37120118
633	04/12/2020	8	8.2	8.2.6.3	2300036411	1022	135	57.8	31	6.8	21.6	5.83	211	125.9	59.74	75.93	1	1	1	1	0	16.19	21.32140375
634	04/12/2020	8	8.2	8.2.6.3	2300037676	1034	10	25.1	31	1.19	16.2	0.58	37	9.4	25.47	76.00	1	1	1	1	1	50.53	66.4880122
635	04/12/2020	8	8.2	8.2.6.3	2300029794	1019	136	57.1	30	7	21.4	5.94	210	127.1	60.53	75.91	1	1	1	1	0	15.38	20.25643207
636	04/12/2020	8	8.2	8.2.6.3	2300028618	1017	138	58.4	31	6.95	21.6	5.94	215	128.3	59.55	75.89	1	1	1	1	0	16.34	21.53397056
637	04/12/2020	8	8.2	8.2.6.3	2300029551	1018	20	19.1	30	1.59	15.3	0.62	48	9.5	19.89	75.90	1	1	1	1	1	56.01	73.79910666
638	04/12/2020	8	8.2	8.2.6.3	2300036798	1030	133	57.3	30	6.96	21.1	5.89	209	124.3	59.52	75.98	1	1	1	1	0	16.46	21.66075197
639	04/12/2020	8	8.2	8.2.6.3	2300036416	1070	134	56.3	31	7.09	20.8	6.04	220	125.6	57.16	76.23	1	1	1	1	1	19.07	25.02031065
640	04/12/2020	8	8.2	8.2.6.3	2300036824	1009	10	18.2	31	1.65	15.7	0.6	51	9.4	18.42	75.84	1	1	1	1	1	57.43	75.7178954
641	04/12/2020	8	8.2	8.2.6.3	2300042381	990	15	21.6	31	1.87	14	0.81	58	11.3	19.56	75.72	1	1	1	1	1	56.16	74.16623659
642	04/12/2020	8	8.2	8.2.6.3	2300036415	999	20	25	31	1.53	16.3	0.73	47	11.9	25.09	75.78	1	1	1	1	1	50.69	66.89412802
643	04/12/2020	8	8.2	8.2.6.3	2300036425	1010	20	23.3	31	1.41	16	0.64	44	10.2	23.43	75.85	1	1	1	1	1	52.42	69.11386502
644	04/12/2020	8	8.2	8.2.6.3	2300036420	1010	124	51.1	31	7.2	22	5.75	223	126.5	56.68	75.85	1	1	1	1	1	19.17	25.27933126
645	04/12/2020	8	8.2	8.2.6.3	2300036426	1000	100	58.2	31	7.28	20.1	5.24	226	105.3	46.67	75.79	1	1	1	1	1	29.12	38.41920579
646	04/12/2020	8	8.2	8.2.6.3	2300035927	1000	20	20.5	30	1.45	14.5	0.6	44	8.7	20.00	75.79	1	1	1	1	1	55.79	73.60990156
647	04/12/2020	8	8.2	8.2.6.3	2300037606	1008	137	54.7	31	7.17	21.2	5.88	222	124.7	56.08	75.84	1	1	1	1	1	19.75	26.04797893
648	04/12/2020	8	8.2	8.2.6.4	2300035924	1000	20	24.5	30	5.21	16.1	1.61	156	25.9	16.58	75.79	1	1	1	1	1	59.20	78.11715478
649	04/12/2020	8	8.2	8.2.6.4	2300036750	1006	10	24	30	1.81	22.4	0.54	54	12.1	22.28	75.82	1	1	1	1	1	53.55	70.6212735
650	04/12/2020	8	8.2	8.2.6.4	2300037604	685	120	51.4	31	4.72	20.4	3.71	146	75.7	51.72	73.77	1	1	1	1	1	22.05	29.88343997
651	04/12/2020	8	8.2	8.2.6.4	2300038790	670	37	29.1	31	3.41	16.2	1.95	106	31.6	29.88	73.67	1	1	1	1	1	43.79	59.43800536
652	04/12/2020	8	8.2	8.2.6.4	2300037781	660	93	59.7	20	4.48	14.8	3.77	90	55.8	62.27	73.61	1	1	1	0	0	11.34	15.40236187
653	04/12/2020	8	8.2	8.2.6.4	2300035556	644	135	66.1	31	4.4	21.6	3.6	136	77.8	57.01	73.51	1	1	1	1	0	16.50	22.44502928
654	04/12/2020	8	8.2	8.2.6.4	2300036589	635	34	27.2	31	3.35	15.1	1.81	104	27.3	26.32	73.45	1	1	1	1	1	47.13	64.1691409
655	04/12/2020	8	8.2	8.2.6.4	2300036432	627	103	50.7	31	4.3	19.7	3.5	133	69.0	51.73	73.40	1	1	1	1	1	21.67	29.52823294
656	04/12/2020	8	8.2	8.2.6.4	2300035863	595	27	27	31	3.4	17.7	1.87	105	33.1	31.40	73.19	1	1	1	1	1	41.79	57.09590157
657	04/12/2020	8	8.2	8.2.6.4	2300037759	554	10	24	31	0.71	15.4	0.39	22	6.0	27.29	72.93	1	1	1	1	1	45.64	62.58467311
658	04/12/2020	8	8.2	8.2.6.4	2300028753	551	15	21.2	31	1.85	14.8	0.84	57	12.4	21.68	72.91	1	1	1	1	1	51.23	70.26922807

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
659	04/12/2020	8	8.2	8.2.6.4	2300037971	546	12	23.6	30	1.72	15.7	0.82	52	12.9	24.95	72.88	1	1	1	1	1	47.93	65.76636187
660	04/12/2020	8	8.2	8.2.6.4	2300037965	526	132	58.4	31	3.48	22	2.91	108	64.0	59.34	72.75	1	1	1	0	0	13.41	18.43057378
661	04/12/2020	8	8.2	8.2.6.4	2300037981	511	135	60.7	30	3.3	22.4	2.81	99	62.9	63.58	72.66	1	1	0	0	0	9.08	12.49250172
662	04/12/2020	8	8.2	8.2.6.4	2300029297	501	10	24.4	31	0.98	15.8	0.48	30	7.6	24.96	72.59	1	1	1	1	1	47.63	65.61101166
663	04/12/2020	8	8.2	8.2.6.4	2300029325	959	17	21.6	30	1.63	14.9	0.73	49	10.9	22.24	75.52	1	1	1	1	1	53.28	70.54781051
664	04/12/2020	8	8.2	8.2.6.4	2300035856	864	15	27.2	30	1.65	15.2	0.92	50	14.0	28.25	74.92	1	1	1	1	1	46.67	62.29022386
665	04/12/2020	8	8.2	8.2.6.4	2300028746	861	115	51.4	30	5.94	18.9	4.96	178	93.7	52.61	74.90	1	1	1	1	1	22.29	29.76156316
666	04/12/2020	8	8.2	8.2.6.4	2300028765	826	137	58.8	30	5.7	21	4.54	171	95.3	55.75	74.67	1	1	1	1	1	18.92	25.3346806
667	04/12/2020	8	8.2	8.2.6.4	2300029424	911	125	52.9	30	6.31	21.2	4.92	189	104.3	55.10	75.22	1	1	1	1	1	20.12	26.74490999
668	04/12/2020	8	8.2	8.2.6.4	230002949	942	88	39.8	30	6.32	16.6	4.71	190	78.2	41.24	75.41	1	1	1	1	1	34.18	45.31929837
669	04/12/2020	8	8.2	8.2.6.4	2300029347	1010	68	28.6	30	6.91	11.6	5.28	207	61.2	29.55	75.85	1	1	1	1	1	46.30	61.04734857
670	04/12/2020	8	8.2	8.2.6.4	2300037973	980	49	24.6	30	6.31	10.2	4.7	189	47.9	25.32	75.66	1	1	1	1	1	50.33	66.52716019
671	04/12/2020	8	8.2	8.2.6.4	2300029247	978	137	55.9	30	7.14	21.7	5.59	214	121.3	56.63	75.65	1	1	1	1	1	19.01	25.13640131
672	05/12/2020	8	8.2	8.2.7.1	2300042461	981	74	32.9	30	6.59	15.7	4.22	198	66.3	33.51	75.66	1	1	1	1	1	42.15	55.7091677
673	05/12/2020	8	8.2	8.2.7.1	2300042630	906	134	53.2	30	6.38	21.9	4.76	191	104.2	54.46	75.18	1	1	1	1	1	20.72	27.55950723
674	05/12/2020	8	8.2	8.2.7.1	2300042633	1006	129	54.4	30	7.19	20.2	5.99	216	121.0	56.10	75.82	1	1	1	1	1	19.73	26.01919301
675	05/12/2020	8	8.2	8.2.7.1	2300042037	886	123	55.7	31	5.76	20.5	4.92	179	100.9	56.49	75.06	1	1	1	1	0	18.57	24.74297321
676	05/12/2020	8	8.2	8.2.7.1	2300042621	756	14	25.6	30	1.47	24.2	0.75	44	18.2	41.16	74.22	1	1	1	1	1	33.07	44.5513031
677	05/12/2020	8	8.2	8.2.7.1	2300042619	882	12	26.8	30	4.54	14.8	0.76	136	11.2	8.26	75.03	1	1	1	1	1	66.77	88.99326215
678	05/12/2020	8	8.2	8.2.7.1	2300042072	908	7.8	40	30	1.36	15	0.47	41	7.1	17.28	75.20	1	1	1	1	1	57.92	77.02120323
679	05/12/2020	8	8.2	8.2.7.1	2300042078	876	19.4	26.6	30	0.45	15.1	1.13	14	17.1	126.39	74.99	1	1	1	1	1	-51.40	-68.54053556
680	05/12/2020	8	8.2	8.2.7.1	2300042081	809	40	27.5	30	2.07	15.5	2.16	62	33.5	53.91	74.56	1	1	1	1	1	20.65	27.69522464
681	05/12/2020	8	8.2	8.2.7.1	2300042080	753	136	64.9	30	3.96	22.3	4.26	119	95.0	79.96	74.21	1	0	0	0	0	-5.76	-7.761513296
682	05/12/2020	8	8.2	8.2.7.1	2300035452	745	35	27.8	30	4.73	15.5	1.77	142	27.4	19.33	74.15	1	1	1	1	1	54.82	73.9271812
683	05/12/2020	8	8.2	8.2.7.1	2300035454	742	28	24.3	30	3.23	15.1	1.88	97	28.4	29.30	74.13	1	1	1	1	1	44.84	60.4825512
684	05/12/2020	8	8.2	8.2.7.1	2300035589	834	133	58.9	30	5.08	20.7	4.46	152	92.3	60.58	74.72	1	1	1	0	0	14.14	18.92957492
685	05/12/2020	8	8.2	8.2.7.1	2300035637	624	102	51.6	30	4.32	19.2	3.6	130	69.1	53.33	73.38	1	1	1	1	1	20.05	27.31858264
686	05/12/2020	8	8.2	8.2.7.1	2300035598	574	15.3	62.2	30	4.08	23.4	3.28	122	76.8	62.71	73.06	1	1	0	0	0	10.35	14.17160462
687	05/12/2020	8	8.2	8.2.7.2	2300042630	602	116	58.4	30	4.71	21.1	4.13	141	87.1	61.67	73.24	1	1	1	0	0	11.57	15.79281968
688	05/12/2020	8	8.2	8.2.7.2	2300042635	600	40	22	31	0.76	15.8	0.33	24	5.2	22.13	73.23	1	1	1	1	1	51.10	69.77749699

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
689	05/12/2020	8	8.2	8.2.7.2	2300042628	582	18	24.3	30	2.92	15.6	1.7	88	26.5	30.27	73.11	1	1	1	1	1	42.84	58.59165458
690	05/12/2020	8	8.2	8.2.7.2	2300042625	714	23	27	30	2.03	16.2	1.06	61	17.2	28.20	73.96	1	1	1	1	1	45.76	61.87300984
691	05/12/2020	8	8.2	8.2.7.2	2300042075	732	123	66.2	30	3.89	23.2	3.48	117	80.7	69.18	74.07	1	0	0	0	0	4.89	6.599470668
692	05/12/2020	8	8.2	8.2.7.2	2300042616	653	133	17.1	30	3.17	24.2	2.86	95	69.2	72.78	73.57	0	0	0	0	0	0.79	1.069896791
693	05/12/2020	8	8.2	8.2.7.2	2300042079	783	72	41.8	32	5.53	15.6	4.72	177	73.6	41.61	74.40	1	1	1	1	1	32.79	44.07127788
694	05/12/2020	8	8.2	8.2.7.2	2300042069	789	9.6	26.1	32	1.07	14.6	0.57	34	8.3	24.30	74.44	1	1	1	1	1	50.13	67.34773879
695	05/12/2020	8	8.2	8.2.7.2	2300043104	819	17.4	26	32	1.75	16.1	0.9	56	14.5	25.88	74.63	1	1	1	1	1	48.75	65.32784117
696	05/12/2020	8	8.2	8.2.7.2	2300035472	782	134	59.8	32	5.26	22.2	4.47	168	99.2	58.96	74.39	1	1	1	1	0	15.44	20.74885492
697	05/12/2020	8	8.2	8.2.7.2	2300035547	808	132	59.7	32	5.51	23.1	4.77	176	110.2	62.49	74.56	1	1	1	0	0	12.06	16.18163364
698	05/12/2020	8	8.2	8.2.7.2	2300035580	854	127	52.3	32	5.67	22.3	4.73	181	105.5	58.13	74.85	1	1	1	1	0	16.72	22.33383189
699	05/12/2020	8	8.2	8.2.7.2	2300035341	837	136	60.8	31	5.59	23	4.84	173	111.3	64.24	74.74	1	1	0	0	0	10.50	14.05307708
700	05/12/2020	8	8.2	8.2.7.2	2300035636	867	125	53.1	32	6.06	16.9	4.93	194	83.3	42.96	74.93	1	1	1	1	1	31.97	42.66398978
701	05/12/2020	8	8.2	8.2.7.2	2300035649	856	15	22.8	32	1.56	22.2	0.67	50	14.9	29.80	74.86	1	1	1	1	1	45.07	60.20047836
702	05/12/2020	8	8.2	8.2.7.2	2300035646	733	35	28.9	31	3.99	15.4	2.38	124	36.7	29.63	74.08	1	1	1	1	1	44.45	59.99829249
703	05/12/2020	8	8.2	8.2.7.2	2300035647	738	26	41.8	31	4.81	24.6	2.57	149	63.2	42.40	74.11	1	1	1	1	1	31.71	42.78770951
704	05/12/2020	8	8.2	8.2.7.2	2300035596	768	17	21.4	30	4.06	15.2	1.82	122	27.7	22.71	74.30	1	1	1	1	1	51.59	69.43165968
705	05/12/2020	8	8.2	8.2.7.2	2300042651	822	120	51.3	30	6.02	19.8	4.94	181	97.8	54.16	74.65	1	1	1	1	1	20.49	27.445693
706	05/12/2020	8	8.2	8.2.7.2	2300042726	857	120	51.1	30	6.2	19.8	5.02	186	99.4	53.44	74.87	1	1	1	1	1	21.43	28.62543251
707	05/12/2020	8	8.2	8.2.4.1	2300053819	864	130	53.1	31	6.27	21	5	194	105.0	54.02	74.92	1	1	1	1	1	20.89	27.89127738
708	05/12/2020	8	8.2	8.2.4.1	2300053814	881	36	29.9	31	4.27	13	3.11	132	40.4	30.54	75.02	1	1	1	1	1	44.48	59.28901206
709	05/12/2020	8	8.2	8.2.4.1	2300056338	938	32	24	31	1.29	16.2	0.61	40	9.9	24.71	75.39	1	1	1	1	1	50.68	67.22185964
710	05/12/2020	8	8.2	8.2.4.1	2300056387	977	7	67.8	30	6.87	13.9	5.83	206	81.0	39.32	75.64	1	1	1	1	1	36.32	48.0170726
711	05/12/2020	8	8.2	8.2.4.1	2300056383	987	137	56.9	31	7.2	21.3	5.95	223	126.7	56.78	75.70	1	1	1	1	0	18.92	24.99496191
712	05/12/2020	8	8.2	8.2.4.1	2300056350	989	91	39.9	30	6.75	16.4	5.11	203	83.8	41.38	75.72	1	1	1	1	1	34.33	45.34192246
713	05/12/2020	8	8.2	8.2.4.1	2300053637	624	79	42.4	30	6.3	21.2	4.9	189	103.9	54.96	73.38	1	1	1	1	1	18.42	25.09776155
714	05/12/2020	8	8.2	8.2.4.1	2300056334	642	28	22.4	19	5.7	12.6	5.1	108	64.3	59.34	73.49	1	1	1	0	0	14.16	19.26615209
715	05/12/2020	8	8.2	8.2.4.1	2300056382	633	76	56.4	33	4	4.5	2.3	132	10.4	7.84	73.44	1	1	1	1	1	65.60	89.32297379
716	05/12/2020	8	8.2	8.2.4.1	2300053677	678	91	57.7	30	2.9	22	1.9	87	41.8	48.05	73.73	1	1	1	1	1	25.68	34.83099807
717	05/12/2020	8	8.2	8.2.4.1	2300056377	682	23	24.6	21	3.1	14.2	2.6	65	36.9	56.71	73.75	1	1	1	1	0	17.04	23.1021906
718	05/12/2020	8	8.2	8.2.4.1	2300053670	691	24	29	20	3.6	15.1	2.4	72	36.2	50.33	73.81	1	1	1	1	1	23.48	31.8054133

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
719	05/12/2020	8	8.2	8.2.4.1	2300053769	693	32	19.6	16	2.4	9.6	1.4	38	13.4	35.00	73.82	1	1	1	1	1	38.82	52.58814541
720	05/12/2020	8	8.2	8.2.4.1	2300053693	705	124	56.9	32	5.7	23.1	4.7	182	108.6	59.52	73.90	1	1	1	0	0	14.37	19.45245295
721	05/12/2020	8	8.2	8.2.4.1	2300050776	716	83	46.3	33	4.6	23.5	3.9	152	91.7	60.38	73.97	1	1	1	0	0	13.59	18.37663912
722	05/12/2020	8	8.2	8.2.4.1	2300053767	850	21	23.1	30	1.78	18.7	0.72	53	13.5	25.21	74.83	1	1	1	1	1	49.61	66.3038474
723	05/12/2020	8	8.2	8.2.4.1	2300053774	1129	121	41.5	32	8.9	15.1	7.32	285	110.5	38.81	76.61	1	1	1	1	1	37.80	49.34136181
724	05/12/2020	8	8.2	8.2.4.1	2300053780	1140	30	22.9	30	1.7	15.7	0.79	51	12.4	24.32	76.68	1	1	1	1	1	52.36	68.28511536
725	05/12/2020	8	8.2	8.2.4.1	2300053763	1104	22	21.5	30	1.74	14.3	0.77	52	11.0	21.09	76.45	1	1	1	1	1	55.36	72.40885772
726	05/12/2020	8	8.2	8.2.4.1	2300053773	1034	15	20.6	30	1.21	15.7	0.5	36	7.9	21.63	76.00	1	1	1	1	1	54.38	71.54694731
727	05/12/2020	8	8.2	8.2.4.1	2300047869	967	114	45.8	31	6.96	18.3	5.45	216	99.7	46.22	75.57	1	1	1	1	1	29.35	38.83546871
728	05/12/2020	8	8.2	8.2.4.1	230057717	936	29	28.4	30	2.93	16	1.62	88	25.9	29.49	75.38	1	1	1	1	1	45.89	60.87892947
729	05/12/2020	8	8.2	8.2.4.1	2300053678	921	13	23	31	1.93	15.8	0.88	60	13.9	23.24	75.28	1	1	1	1	1	52.04	69.129843
730	05/12/2020	8	8.2	8.2.4.1	2300056374	748	20	23.3	30	3.13	15	1.52	94	22.8	24.28	74.17	1	1	1	1	1	49.89	67.26425426
731	05/12/2020	8	8.2	8.2.4.2	2300053815	739	63	42.4	30	5.2	14.7	4.66	156	68.5	43.91	74.12	1	1	1	1	1	30.20	40.75263715
732	05/12/2020	8	8.2	8.2.4.2	2300053816	510	6	27.3	30	1.95	14.9	1.1	59	16.4	28.02	72.65	1	1	1	1	1	44.63	61.43552097
733	05/12/2020	8	8.2	8.2.4.2	2300056386	559	12	39	30	4.11	24.3	2.09	123	50.8	41.19	72.96	1	1	1	1	1	31.77	43.54749351
734	05/12/2020	8	8.2	8.2.4.2	2300056389	569	91	48.4	31	4.34	18.8	3.54	135	66.6	49.47	73.03	1	1	1	1	1	23.56	32.26351446
735	05/12/2020	8	8.2	8.2.4.2	2300053813	791	135	49.4	31	5.9	22.1	4.74	183	104.8	57.27	74.45	1	1	1	1	0	17.17	23.06897103
736	05/12/2020	8	8.2	8.2.4.2	2300053698	977	114	45.4	30	6.97	19.1	5.32	209	101.6	48.59	75.64	1	1	1	1	1	27.04	35.75396403
737	05/12/2020	8	8.2	8.2.4.2	2300056406	856	134	53.1	32	6.39	21.2	5.31	204	112.6	55.05	74.86	1	1	1	1	1	19.81	26.46328976
738	05/12/2020	8	8.2	8.2.4.2	2300056400	884	103	60.3	31	6.08	15	5.54	188	83.1	44.09	75.04	1	1	1	1	1	30.95	41.24807635
739	05/12/2020	8	8.2	8.2.4.2	2300053701	995	17	15	30	1.04	15.2	0.33	31	5.0	16.08	75.75	1	1	1	1	1	59.68	78.77745983
740	05/12/2020	8	8.2	8.2.4.2	2300053270	885	48	25.9	30	6.69	7	6.22	201	43.5	21.69	75.05	1	1	1	1	1	53.36	71.0938431
741	05/12/2020	8	8.2	8.2.4.2	2300052998	989	11.9	25.3	30	1.33	15.5	0.63	40	9.8	24.47	75.72	1	1	1	1	1	51.24	67.67682722
742	05/12/2020	8	8.2	8.2.4.2	2300053702	931	131	52.4	30	6.69	19.9	5.63	201	112.0	55.82	75.34	1	1	1	1	1	19.52	25.9093986
743	05/12/2020	8	8.2	8.2.4.2	2300053765	863	133	54.4	30	6.4	24.8	4.96	192	123.0	64.07	74.91	1	1	0	0	0	10.84	14.47423458
744	05/12/2020	8	8.2	8.2.4.2	2300053766	1060	134	51.9	31	7.78	20	6.35	241	127.0	52.66	76.17	1	1	1	1	1	23.51	30.86810295
745	05/12/2020	8	8.2	8.2.4.2	2300053748	1070	122	46.4	30	7.8	18.8	6.14	234	115.4	49.33	76.23	1	1	1	1	1	26.90	35.29145194
746	05/12/2020	8	8.2	8.2.4.2	2300053749	1013	132	51.3	30	7.49	20	6	225	120.0	53.40	75.87	1	1	1	1	1	22.46	29.60972386
747	05/12/2020	8	8.2	8.2.4.2	2300053775	961	17	22.2	30	1.5	15.5	0.59	45	9.1	20.32	75.54	1	1	1	1	1	55.21	73.09612025
748	05/12/2020	8	8.2	8.2.4.2	2300053778	799	22	21.7	30	1.95	15.5	0.85	59	13.2	22.52	74.50	1	1	1	1	1	51.98	69.76981417

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
749	05/12/2020	8	8.2	8.2.4.2	2300053781	991	49	25.5	30	5.95	15.7	2.82	179	44.3	24.80	75.73	1	1	1	1	1	50.93	67.24694917
750	05/12/2020	8	8.2	8.2.4.2	2300053772	981	15	24.8	30	1.82	15	0.94	55	14.1	25.82	75.66	1	1	1	1	1	49.84	65.87011088
751	05/12/2020	8	8.2	8.2.4.2	2300053764	966	34	24.6	30	3.44	15.8	1.19	103	18.8	18.22	75.57	1	1	1	1	1	57.35	75.89072648
752	05/12/2020	8	8.2	8.2.4.2	2300053779	985	14	24.8	30	1.68	15.1	0.87	50	13.1	26.07	75.69	1	1	1	1	1	49.62	65.56285349
753	05/12/2020	8	8.2	8.2.4.2	2300056404	984	90	36.7	32	6.81	17.4	4.64	218	80.7	37.05	75.68	1	1	1	1	1	38.64	51.04823482
754	05/12/2020	8	8.2	8.2.4.2	2300053695	589	135	56.7	31	4.24	21.8	3.53	131	77.0	58.55	73.16	1	1	1	0	0	14.61	19.96940017
755	05/12/2020	8	8.2	8.2.3.1	2300056607	691	112	69.1	31	4.45	16.6	3.98	138	66.1	47.89	73.81	1	1	1	1	1	25.92	35.11210817
756	05/12/2020	8	8.2	8.2.3.1	230005619	712	135	60.8	31	4.78	21.8	4.23	148	92.2	62.23	73.94	1	1	1	0	0	11.71	15.83890478
757	05/12/2020	8	8.2	8.2.3.1	VSPL2201102279 989	502	8.6	33.3	20	3.9	7.6	3.63	78	27.6	35.37	72.60	1	1	1	1	1	37.23	51.28124601
758	05/12/2020	8	8.2	8.2.5.2	NA	506	117	65.8	30	3.35	22.8	3.05	101	69.5	69.19	72.62	0	0	0	0	0	3.43	4.723440261
759	05/12/2020	8	8.2	8.2.3.1	2300056338	570	136	63.3	30	3.23	24.3	3.03	97	73.6	75.98	73.03	0	0	0	0	0	-2.95	-4.039926779
760	05/12/2020	8	8.2	8.2.3.1	2300056616	565	26	70.2	30	3.24	26.1	2.74	97	71.5	73.57	73.00	0	0	0	0	0	-0.57	-0.783641646
761	05/12/2020	8	8.2	8.2.3.1	2300054022	560	134	66.4	30	2.95	23.4	2.61	89	61.1	69.01	72.97	1	0	0	0	0	3.96	5.426655486
762	05/12/2020	8	8.2	8.2.3.1	2300056369	885	138	72.3	30	2.78	25	2.54	83	63.5	76.14	75.05	0	0	0	0	0	-1.09	-1.451150871
763	05/12/2020	8	8.2	8.2.3.1	2300054750	528	20	74	30	1.68	24	1.2	50	28.8	57.14	72.77	1	1	1	1	0	15.62	21.46952507
764	05/12/2020	8	8.2	8.2.3.1	2300056597	1013	115	53.6	31	6.56	24	4.65	203	111.6	54.88	75.87	1	1	1	1	1	20.99	27.66755313
765	05/12/2020	8	8.2	8.2.3.1	2300056609	999	20	52.2	30	6.1	20.2	5.02	183	101.4	55.41	75.78	1	1	1	1	1	20.37	26.87738935
766	05/12/2020	8	8.2	8.2.3.1	230005608	989	107	66.8	20	7.18	15.1	6.61	144	99.8	69.51	75.72	1	0	0	0	0	6.21	8.200862954
767	05/12/2020	8	8.2	8.2.3.1	2300056591	989	134	65.5	30	7.3	20.1	6.35	219	127.6	58.28	75.72	1	1	1	1	0	17.43	23.02666568
768	05/12/2020	8	8.2	8.2.3.1	2300056593	1002	135	63.5	30	7.22	22.5	6.61	217	148.7	68.66	75.80	1	0	0	0	0	7.14	9.413559445
769	05/12/2020	8	8.2	8.2.3.1	2300057133	1002	108	62.9	20	7.68	14.8	6.92	154	102.4	66.68	75.80	1	1	0	0	0	9.12	12.03411751
770	05/12/2020	8	8.2	8.2.3.1	2300056741	1002	130	54.2	30	7.16	20.1	6.1	215	122.6	57.08	75.80	1	1	1	1	0	18.72	24.69405111
771	05/12/2020	8	8.2	8.2.3.1	2300056371	1004	136	53.4	31	7.59	19.9	6.49	235	129.2	54.89	75.81	1	1	1	1	1	20.92	27.59665331
772	05/12/2020	8	8.2	8.2.3.1	2300056354	1002	111	61	21	7.64	15.3	6.85	160	104.8	65.32	75.80	1	1	0	0	0	10.48	13.81989502
773	05/12/2020	8	8.2	8.2.3.1	2300054730	1001	84	30.1	20	2.59	18.2	4.2	52	76.4	147.57	75.79	1	1	1	1	1	-71.78	-94.69968964
774	05/12/2020	8	8.2	8.2.3.1	2300056712	1000	128	53.8	30	7.28	19.7	6.15	218	121.2	55.47	75.79	1	1	1	1	1	20.31	26.80191447
775	05/12/2020	8	8.2	8.2.3.1	2300056734	961	125	49.6	31	7.16	19.2	2.9	222	55.7	25.09	75.54	1	1	1	1	1	50.45	66.79004955
776	05/12/2020	8	8.2	8.2.3.1	2300056726	968	101	41.4	31	7.04	17.35	5.321	218	92.3	42.30	75.58	1	1	1	1	1	33.28	44.03137956
777	05/12/2020	8	8.2	8.2.3.1	2300056335	980	43	30	31	6.08	14.8	2.9	188	42.9	22.77	75.66	1	1	1	1	1	52.89	69.90186516

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
778	05/12/2020	8	8.2	8.2.3.1	2300056355	985	137	44.1	32	7.2	20.5	6.15	230	126.1	54.72	75.69	1	1	1	1	1	20.97	27.70504415
779	05/12/2020	8	8.2	8.2.3.3	2300056691	969	15	31	31	6.9	24	1.7	214	40.8	19.07	75.59	1	1	1	1	1	56.51	74.7652607
780	05/12/2020	8	8.2	8.2.3.3	2300056600	988	87	35.1	31	7.33	13.4	6.14	227	82.3	36.21	75.71	1	1	1	1	1	39.50	52.17457436
781	05/12/2020	8	8.2	8.2.3.3	2300056681	982	95	38	31	7.13	17.2	5.13	221	88.2	39.92	75.67	1	1	1	1	1	35.75	47.24467985
782	05/12/2020	8	8.2	8.2.3.3	2300056615	951	30	33	31	6.89	24.5	2.9	214	71.1	33.26	75.47	1	1	1	1	1	42.21	55.92472752
783	05/12/2020	8	8.2	8.2.3.3	2300056612	989	42	32	31	6.76	22	3.07	210	67.5	32.23	75.72	1	1	1	1	1	43.49	57.4335631
784	05/12/2020	8	8.2	8.2.3.3	2300056601	994	26	45	31	7.15	25	2.1	222	52.5	23.69	75.75	1	1	1	1	1	52.06	68.73037373
785	05/12/2020	8	8.2	8.2.3.3	VSPL2201012881055	993	129	52.6	31	7.16	20.7	5.79	222	119.9	54.00	75.74	1	1	1	1	1	21.74	28.70780087
786	05/12/2020	8	8.2	8.2.3.3	2300056358	993	48	29	31	6	11.9	4.5	186	53.6	28.79	75.74	1	1	1	1	1	46.95	61.98855764
787	05/12/2020	8	8.2	8.2.3.3	2300056603	994	32	31	31	7.04	24.4	2.85	218	69.5	31.86	75.75	1	1	1	1	1	43.88	57.93397688
788	05/12/2020	8	8.2	8.2.3.3	2300056624	997	42	29.5	31	5.21	12	3.65	162	43.8	27.12	75.77	1	1	1	1	1	48.65	64.20719387
789	05/12/2020	8	8.2	8.2.3.3	2300056620	991	33	22.1	31	4.77	9.9	3.22	148	31.9	21.56	75.73	1	1	1	1	1	54.17	71.53231102
790	05/12/2020	8	8.2	8.2.3.3	2300056599	991	132	52.3	31	7.34	20.2	6.12	228	123.6	54.33	75.73	1	1	1	1	1	21.40	28.25588929
791	05/12/2020	8	8.2	8.2.3.3	2300056581	990	35	18.2	31	5.85	6	5.7	181	34.2	18.86	75.72	1	1	1	1	1	56.86	75.09500437
792	05/12/2020	8	8.2	8.2.3.3	2300056588	996	131		31	7.34	19.5	5.79	228	112.9	49.62	75.76	1	1	1	1	1	26.14	34.50424356
793	05/12/2020	8	8.2	8.2.3.3	2300056695	837	20	3.1	32	0.1	0	0.1	3	0.0	0.00	74.74	1	1	1	1	1	74.74	100
794	05/12/2020	8	8.2	8.2.3.3	2300056689	851	32	65.6	30	6.38	24.8	5.59	191	138.6	72.43	74.83	0	0	0	0	0	2.40	3.209689898
795	05/12/2020	8	8.2	8.2.3.3	2300054771	880	32	59.1	31	0.05	13.5	0.03	2	0.4	26.13	75.02	1	1	1	1	1	48.89	65.16964961
796	05/12/2020	8	8.2	8.2.3.3	2300054772	885	134	56.1	32	6.4	21.1	5.51	205	116.3	56.77	75.05	1	1	1	1	0	18.28	24.35967168
797	05/12/2020	8	8.2	8.2.3.3	2300056724	789	88	67.2	32	5.65	24.2	5.08	181	122.9	68.00	74.44	1	0	0	0	0	6.44	8.65180744
798	05/12/2020	8	8.2	8.2.3.3	2300056614	807	103	62.9	32	5.73	16.1	5.15	183	82.9	45.22	74.55	1	1	1	1	1	29.33	39.34366068
799	05/12/2020	8	8.2	8.2.3.3	2300056611	803	106	47.6	32	7.77	19.3	4.56	249	88.0	35.40	74.53	1	1	1	1	1	39.13	52.50498771
800	05/12/2020	8	8.2	8.2.3.3	2300056693	890	109	51.7	32	6.71	20	5.09	215	101.8	47.41	75.08	1	1	1	1	1	27.67	36.85493031
801	05/12/2020	8	8.2	8.2.3.3	2300056373	840	127	51.8	30	6.73	20.2	5.62	202	113.5	56.23	74.76	1	1	1	1	0	18.53	24.790889
802	05/12/2020	8	8.2	8.2.3.3	2300056337	910	49	29.8	31	6.28	12.3	4.8	195	59.0	30.33	75.21	1	1	1	1	1	44.88	59.67731691
803	05/12/2020	8	8.2	8.2.3.2	2300056853	903	87	40.2	31	6.59	14.7	5.74	204	84.4	41.30	75.17	1	1	1	1	1	33.86	45.05030308
804	05/12/2020	8	8.2	8.2.3.2	2300056719	914	48	28.3	31	6.64	11.3	5.27	206	59.6	28.93	75.24	1	1	1	1	1	46.30	61.54649808
805	05/12/2020	8	8.2	8.2.3.2	2300056698	924	48	34.8	31	6.77	13.4	5.62	210	75.3	35.88	75.30	1	1	1	1	1	39.42	52.34614026
806	05/12/2020	8	8.2	8.2.3.2	2300056716	906	42	27.5	31	6.23	13	5.71	193	74.2	38.44	75.18	1	1	1	1	1	36.75	48.87868911

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
807	05/12/2020	8	8.2	8.2.3.2	VSPL2201	924	38	27	31	6.65	11.8	5.02	206	59.2	28.73	75.30	1	1	1	1	1	46.57	61.83988137
808	05/12/2020	8	8.2	8.2.3.2	2300056333	911	126	45.5	31	6.69	20	5.45	207	109.0	52.56	75.22	1	1	1	1	1	22.66	30.12430461
809	05/12/2020	8	8.2	8.2.3.2	2300056466	908	23	49.7	31	6.67	24.6	4.29	207	105.5	51.04	75.20	1	1	1	1	1	24.16	32.12603787
810	05/12/2020	8	8.2	8.2.3.2	2300056706	927	43	24.5	31	6.8	12	4.4	211	52.8	25.05	75.32	1	1	1	1	1	50.27	66.74477245
811	05/12/2020	8	8.2	8.2.3.2	2300056688	933	45	34	31	6.8	13	4.7	211	61.1	28.98	75.36	1	1	1	1	1	46.37	61.53676127
812	05/12/2020	8	8.2	8.2.3.2	2300056694	936	114	46.3	31	6.87	19	5.33	213	101.3	47.55	75.38	1	1	1	1	1	27.83	36.91487216
813	05/12/2020	8	8.2	8.2.3.2	2300056453	938	87	38.6	31	6.3	17	4.34	195	73.8	37.78	75.39	1	1	1	1	1	37.61	49.88966884
814	05/12/2020	8	8.2	8.2.3.2	2300056424	941	46	33.9	31	6.58	16	4.3	204	68.8	33.73	75.41	1	1	1	1	1	41.68	55.27183054
815	05/12/2020	8	8.2	8.2.3.2	2300056492	944	15	17	31	1.5	17.5	0.5	47	8.8	18.82	75.43	1	1	1	1	1	56.61	75.05262755
816	05/12/2020	8	8.2	8.2.3.2	2300056438	940	25	32.8	31	6.88	23.4	1.04	213	24.3	11.41	75.40	1	1	1	1	1	63.99	84.86730778
817	05/12/2020	8	8.2	8.2.3.2	2300056554	936	118	4.91	31	6.77	19	5.6	210	106.4	50.70	75.38	1	1	1	1	1	24.68	32.74015319
818	05/12/2020	8	8.2	8.2.3.2	2300056494	941	35	41	31	4.5	23.2	2.5	140	58.0	41.58	75.41	1	1	1	1	1	33.83	44.86415183
819	05/12/2020	8	8.2	8.2.3.2	2300056425	943	38	32.5	31	5.15	16.2	3.3	160	53.5	33.49	75.42	1	1	1	1	1	41.94	55.60167423
820	05/12/2020	8	8.2	8.2.3.2	2300056462	944	24	31.6	31	6.03	24.5	3.81	187	93.3	49.94	75.43	1	1	1	1	1	25.49	33.7963758
821	05/12/2020	8	8.2	8.2.3.2	2300056484	636	20	47	32	4.77	24	2.9	153	69.6	45.60	73.46	1	1	1	1	1	27.86	37.92578417
822	05/12/2020	8	8.2	8.2.3.2	2300056471	660	20	55.4	32	2.69	18.2	2.43	86	44.2	51.38	73.61	1	1	1	1	1	22.23	30.20270601
823	05/12/2020	8	8.2	8.2.3.2	2300056458	591	20	50.1	31	2.21	18.9	2.06	69	38.9	56.83	73.17	1	1	1	1	0	16.34	22.33032306
824	05/12/2020	8	8.2	8.2.3.2	2300056732	580	69	58	20	2.01	20.1	2.1	40	42.2	105.00	73.10	1	1	1	1	1	-31.90	-43.64278092
825	05/12/2020	8	8.2	8.2.3.2	2300056705	540	35	25.7	31	3.9	11.2	2.87	121	32.1	26.59	72.84	1	1	1	1	1	46.25	63.50009308
826	05/12/2020	8	8.2	8.2.3.2	2300056587	530	118	56.3	31	3.96	21.1	3.39	123	71.5	58.27	72.78	1	1	1	0	0	14.51	19.93823555
827	05/12/2020	8	8.2	8.2.3.4	2300056717	989	79	47.4	21	7.1	12.9	5.6	149	72.2	48.45	75.72	1	1	1	1	1	27.26	36.00961463
828	05/12/2020	8	8.2	8.2.3.4	2300056697	1009	25	26.3	32	2.7	16.2	1.4	86	22.7	26.25	75.84	1	1	1	1	1	49.59	65.38930114
829	05/12/2020	8	8.2	8.2.3.4	2300057138	1009	6.9	17.8	31	1.09	10.7	0.5	34	5.4	15.83	75.84	1	1	1	1	1	60.01	79.12403062
830	05/12/2020	8	8.2	8.2.3.4	2300057139	1001	15	19.2	31	2.2	10.5	1.3	68	13.7	20.01	75.79	1	1	1	1	1	55.78	73.59278403
831	05/12/2020	8	8.2	8.2.3.4	2300056336	1006	17	27.3	31	1.8	1.6	0.9	56	1.4	2.58	75.82	1	1	1	1	1	73.24	96.5965505
832	05/12/2020	8	8.2	8.2.3.4	2300056329	1012	87	33	31	7.3	13.5	5.9	226	79.7	35.20	75.86	1	1	1	1	1	40.67	53.60487403
833	05/12/2020	8	8.2	8.2.3.4	2300049122	1018	15	21.6	31	2.3	15.8	1.05	71	16.6	23.27	75.90	1	1	1	1	1	52.63	69.34451341
834	05/12/2020	8	8.2	8.2.3.4	2300056440	1021	17	20.6	31	1.08	17	0.4	33	6.8	20.31	75.92	1	1	1	1	1	55.61	73.24746285
835	05/12/2020	8	8.2	8.2.3.4	2300056441	1022	23	18.8	31	1.5	15.6	0.5	47	7.8	16.77	75.93	1	1	1	1	1	59.15	77.90741405

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
836	05/12/2020	8	8.2	8.2.3.4	VSPL221011012178824	1016	132	51.5	31	7.4	19.3	6.3	229	121.6	53.00	75.89	1	1	1	1	1	22.88	30.15600888
837	05/12/2020	8	8.2	8.2.3.4	2300056691	997	98	40.4	31	7.1	14.9	6.1	220	90.9	41.29	75.77	1	1	1	1	1	34.47	45.49741315
838	05/12/2020	8	8.2	8.2.3.4	2300056722	1001	131	51.1	31	7.4	19.5	6.29	229	122.7	53.47	75.79	1	1	1	1	1	22.32	29.45500877
839	05/12/2020	8	8.2	8.2.3.4	2300056493	1008	17	40.9	31	7.3	25.4	2.7	226	68.6	30.30	75.84	1	1	1	1	1	45.53	60.03952547
840	05/12/2020	8	8.2	8.2.3.4	2300056508	1002	25	24.3	32	5.2	16.1	2.5	166	40.3	24.19	75.80	1	1	1	1	1	51.61	68.08827854
841	05/12/2020	8	8.2	8.2.3.4	2300056713	1009	35	24.9	32	2.1	17.9	0.9	67	16.1	23.97	75.84	1	1	1	1	1	51.87	68.39124951
842	05/12/2020	8	8.2	8.2.3.4	2300056504	1009	27	21.3	32	2.7	17.1	1.1	86	18.8	21.77	75.84	1	1	1	1	1	54.07	71.29509499
843	05/12/2020	8	8.2	8.2.3.4	2300056448	1006	8.5	26.5	32	0.9	15.1	0.5	29	7.6	26.22	75.82	1	1	1	1	1	49.61	65.42633008
844	05/12/2020	8	8.2	8.2.3.4	2300056559	1009	131	22.5	31	7.2	21.1	5.7	223	120.3	53.88	75.84	1	1	1	1	1	21.96	28.95325564
845	05/12/2020	8	8.2	8.2.3.4	2300056494	989	8.9	18.5	31	1.3	10.7	0.7	40	7.5	18.59	75.72	1	1	1	1	1	57.13	75.45339674
846	05/12/2020	8	8.2	8.2.3.4	2300056468	996	133	53.3	31	7.2	20.6	6	223	123.6	55.38	75.76	1	1	1	1	1	20.38	26.90595075
847	05/12/2020	8	8.2	8.2.3.4	2300056488	1006	12	16.5	31	1.5	16.3	0.5	47	8.2	17.53	75.82	1	1	1	1	1	58.30	76.88490549
848	05/12/2020	8	8.2	8.2.3.4	2300056473	1006	14	25.6	31	1.6	16	0.8	50	12.8	25.81	75.82	1	1	1	1	1	50.02	65.96550502
849	05/12/2020	8	8.2	8.2.3.4	2300056476	1007	28.3	20.5	31	3.8	10.5	2.4	118	25.2	21.39	75.83	1	1	1	1	1	54.44	71.78957607
850	05/12/2020	8	8.2	8.2.3.4	2300056446	1016	125	40.9	31	7.8	20.2	5.8	242	117.2	48.45	75.89	1	1	1	1	1	27.44	36.15194527
851	06/12/2020	8	8.1	8.1.5.1	VSPL22011012881134	1073	97	37.5	31	7.45	14.3	6.29	231	89.9	38.95	76.25	1	1	1	1	1	37.31	48.92473336
852	06/12/2020	8	8.1	8.1.5.1	2300055181	1005	100	39.4	31	7.2	14.4	6.01	223	86.5	38.77	75.82	1	1	1	1	1	37.04	48.85885469
853	06/12/2020	8	8.1	8.1.5.1	VSPL22011012178562	1000	100	40.3	31	7.6	21.2	6.01	236	127.4	54.08	75.79	1	1	1	1	1	21.71	28.64144266
854	06/12/2020	8	8.1	8.1.5.1	VSPL22011012480044	975	133	55.2	31	6.95	20.4	5.98	215	122.0	56.62	75.63	1	1	1	1	1	19.00	25.12898468
855	06/12/2020	8	8.1	8.1.5.1	VSPL220110112071821	981	136	53.4	31	7.2	20.1	6.2	223	124.6	55.83	75.66	1	1	1	1	1	19.83	26.20924327
856	06/12/2020	8	8.1	8.1.5.1	VSPL22011012176661	960	45	29.6	31	5.35	10.1	2.16	166	21.8	13.15	75.53	1	1	1	1	1	62.38	82.5843309
857	06/12/2020	8	8.1	8.1.5.1	VSPL22011012279213	967	124	59.7	30	7.24	19.5	5.8	217	113.1	52.07	75.57	1	1	1	1	1	23.50	31.09895996
858	06/12/2020	8	8.1	8.1.5.1	VSPL22011010873676	977	91	37.5	31	7.01	17.2	6.5	217	111.8	51.45	75.64	1	1	1	1	1	24.19	31.98300176
859	06/12/2020	8	8.1	8.1.5.1	VSPL22011012071824	935	133	53.2	32	6.87	20.8	5.66	220	117.7	53.55	75.37	1	1	1	1	1	21.82	28.94828984
860	06/12/2020	8	8.1	8.1.5.1	VSPL22011010677860	923	134	53.3	32	6.88	21.1	5.69	220	120.1	54.53	75.29	1	1	1	1	1	20.76	27.57299113

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
861	06/12/2020	8	8.1	8.1.5.1	VSPL22011010873715	947	135	52.9	32	7.01	20.2	5.75	224	116.2	51.78	75.45	1	1	1	1	1	23.67	31.37056974
862	06/12/2020	8	8.1	8.1.5.1	VSPL22011010873712	914	133	52.5	31	7.06	22.5	5.9	219	132.8	60.66	75.24	1	1	1	0	0	14.58	19.37963759
863	06/12/2020	8	8.1	8.1.5.1	VSPL22011010773425	947	100	41.3	30	7.09	10.2	6.08	213	62.0	29.16	75.45	1	1	1	1	1	46.29	61.3548109
864	06/12/2020	8	8.1	8.1.5.1	VSPL220110120780068	949	20	18.2	32	2.6	22.8	6.31	83	143.9	172.92	75.46	1	1	1	1	1	-97.46	-129.15344
865	06/12/2020	8	8.1	8.1.5.1	VSPL22011012479990	931	127	51.2	31	6.83	19.5	6.17	212	120.3	56.82	75.34	1	1	1	1	0	18.52	24.58002239
866	06/12/2020	8	8.1	8.1.5.1	VSPL22011012479992	960	128	50.2	31	7.12	10.1	5.83	221	58.9	26.68	75.53	1	1	1	1	1	48.85	64.67934438
867	06/12/2020	8	8.1	8.1.5.1	VSPL22011012078116	957	20	20.2	30	2.15	23.9	5.89	65	140.8	218.25	75.51	1	1	1	1	1	-142.74	-189.0309895
868	06/12/2020	8	8.1	8.1.5.1	VSPL22011012480052	927	105	61.8	23	6.41	16.1	5.75	147	92.6	62.79	75.32	1	1	1	0	0	12.53	16.63102479
869	06/12/2020	8	8.1	8.1.5.1	VSPL22011012479950	754	131	66.7	32	6.27	24.4	5.62	201	137.1	68.35	74.21	1	0	0	0	0	5.87	7.904835557
870	06/12/2020	8	8.1	8.1.5.1	VSPL220110124766816	959	108	44.5	30	6.98	16.2	6.34	209	102.7	49.05	75.52	1	1	1	1	1	26.47	35.05512105
871	06/12/2020	8	8.1	8.1.5.1	2300055843	920	75	18.5	32	2.47	15.3	0.9	79	13.8	17.42	75.27	1	1	1	1	1	57.85	76.85580851
872	06/12/2020	8	8.1	8.1.5.1	2300055494	543	45	58	31	2.3	18.2	2.9	71	52.8	74.03	72.86	0	0	0	0	0	-1.16	-1.597620464
873	06/12/2020	8	8.1	8.1.5.1	2300055520	940	82	66.1	32	6.8	23.4	4.3	218	100.6	46.24	75.40	1	1	1	1	1	29.16	38.67429402
874	06/12/2020	8	8.1	8.1.5.1	2300055527	954	31	56.4	32	3.3	22.3	1.7	106	37.9	35.90	75.49	1	1	1	1	1	39.59	52.445542
875	06/12/2020	8	8.1	8.1.5.3	2300055173	962	127	52.2	30	6.9	23.1	5.47	207	126.4	61.04	75.54	1	1	1	0	0	14.50	19.19543757
876	06/12/2020	8	8.1	8.1.5.3	2300055775	1000	20	20.5	30	2.04	21.6	2.64	61	57.0	93.18	75.79	1	1	1	1	0	-17.39	-22.94681153
877	06/12/2020	8	8.1	8.1.5.3	VSPL22011012479980	1001	21	25.2	30	2.58	20	2.01	77	40.2	51.94	75.79	1	1	1	1	1	23.85	31.47336079
878	06/12/2020	8	8.1	8.1.5.3	VSPL22011010773913	1001	30	30.1	31	2.36	18	3.02	73	54.4	74.30	75.79	0	0	0	0	0	1.49	1.965239578
879	06/12/2020	8	8.1	8.1.5.3	VSPL220110127921618	1075	20	60.2	31	7.8	22.3	6.5	242	145.0	59.95	76.27	1	1	1	1	0	16.32	21.39847827
880	06/12/2020	8	8.1	8.1.5.3	VSPL2201101773315	1020	120	20.2	31	6.2	18.2	3.6	192	65.5	34.09	75.91	1	1	1	1	1	41.82	55.09459373
881	06/12/2020	8	8.1	8.1.5.3	VSPL22011010773457	1060	138	54.8	31	7.6	21.7	6.2	236	134.5	57.11	76.17	1	1	1	1	1	19.06	25.0291937
882	06/12/2020	8	8.1	8.1.5.3	VSPL220110187314	1041	127	51.7	31	7.3	20.1	5.8	226	116.6	51.52	76.05	1	1	1	1	1	24.53	32.25934123

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883	06/12/2020	8	8.1	8.1.5.3	VSPL22011018672827	1036	123	50.2	31	7.2	18.9	6.08	223	114.9	51.48	76.02	1	1	1	1	1	24.53	32.27267936
884	06/12/2020	8	8.1	8.1.5.3	VSPL22011012076119	974	11	26.2	31	1.3	16.1	6.7	40	107.9	267.67	75.62	1	1	1	1	1	-192.05	-253.9657626
885	06/12/2020	8	8.1	8.1.5.3	VSPL22011018873711	1056	96	40.6	30	6.7	17.9	4.7	201	84.1	41.86	76.14	1	1	1	1	1	34.29	45.03112324
886	06/12/2020	8	8.1	8.1.5.3	VSPL22011010773407	1040	32	16.7	30	2.4	15.2	0.8	72	12.2	16.89	76.04	1	1	1	1	1	59.15	77.7900517
887	06/12/2020	8	8.1	8.1.5.3	VSPL220110124474969	1011	42	29.8	32	2.9	12.3	1.6	93	19.7	21.21	75.86	1	1	1	1	1	54.65	72.04336542
888	06/12/2020	8	8.1	8.1.5.3	VSPL22011012580363	1091	131	52.1	31	7.8	20.6	6.33	242	130.4	53.93	76.37	1	1	1	1	1	22.44	29.38435308
889	06/12/2020	8	8.1	8.1.5.3	VSPL22011012479994	1034	77	28.8	31	7.19	11.9	5.53	223	65.8	29.52	76.00	1	1	1	1	1	46.48	61.15390706
890	06/12/2020	8	8.1	8.1.5.3	VSPL2202011012539912	1025	124	51.8	32	7.3	21.5	5.7	234	122.6	52.46	75.95	1	1	1	1	1	23.48	30.92266531
891	06/12/2020	8	8.1	8.1.5.3	VSPL22011012480031	1039	136	54.9	32	7.49	21.7	6.1	240	132.4	55.23	76.04	1	1	1	1	1	20.81	27.36586055
892	06/12/2020	8	8.1	8.1.5.3	VSPL22011012881100	1001	35	25.5	32	3.3	16.5	1.6	106	26.4	25.00	75.79	1	1	1	1	1	50.79	67.01516247
893	06/12/2020	8	8.1	8.1.5.3	VSPL22011012881135	1017	101	44	31	6.8	22.5	4.3	211	96.8	45.90	75.89	1	1	1	1	1	30.00	39.52604864
894	06/12/2020	8	8.1	8.1.5.3	2300055489	1004	38	25.7	31	4.2	16	2.1	130	33.6	25.81	75.81	1	1	1	1	1	50.01	65.95975865
895	06/12/2020	8	8.1	8.1.5.3	2300055526	1009	17	26.9	31	1.9	15.8	1.03	59	16.3	27.63	75.84	1	1	1	1	1	48.21	63.56992396
896	06/12/2020	8	8.1	8.1.5.3	2300055529	1024	35	24.3	31	2.5	15.8	1.3	78	20.5	26.50	75.94	1	1	1	1	1	49.44	65.09959783
897	06/12/2020	8	8.1	8.1.5.3	2300055523	1031	27	18.1	31	2.8	16.6	2.9	87	48.1	55.46	75.98	1	1	1	1	1	20.52	27.01024224
898	06/12/2020	8	8.1	8.1.5.3	2300055524	1032	22	26	30	2.9	16	1.3	87	20.8	23.91	75.99	1	1	1	1	1	52.08	68.53823624
899	06/12/2020	8	8.1	8.1.5.2	2300056377	1053	18	26.1	31	2.09	15.7	1.1	65	17.3	26.66	76.13	1	1	1	1	1	49.47	64.98485646
900	06/12/2020	8	8.1	8.1.5.2	VSPL2204012178819	1083	32	27.3	32	3.3	14.6	2.1	106	30.7	29.03	76.32	1	1	1	1	1	47.28	61.95603231
901	06/12/2020	8	8.1	8.1.5.2	VSPL22011476222	605	41	37.2	33	3.19	17.3	2.27	105	39.3	37.31	73.26	1	1	1	1	1	35.95	49.07719952
902	06/12/2020	8	8.1	8.1.5.2	2300055205	866	14.7	26.4	33	1.6	16.1	0.8	53	12.9	24.39	74.93	1	1	1	1	1	50.53	67.44366703
903	06/12/2020	8	8.1	8.1.5.2	2300055172	835	23	27.1	33	2.4	16.5	1.3	79	21.5	27.08	74.73	1	1	1	1	1	47.65	63.7584192
904	06/12/2020	8	8.1	8.1.5.2	VSPL2201110178821	825	49	46	33	5.8	12.9	4.5	191	58.1	30.33	74.67	1	1	1	1	1	44.34	59.38023517
905	06/12/2020	8	8.1	8.1.5.2	VSPL22011012178818	773	35	28.9	33	3.54	16.3	2.7	117	44.0	37.67	74.33	1	1	1	1	1	36.66	49.31828092

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
906	06/12/2020	8	8.1	8.1.5.2	VSPL22011012881091	797	118	48.8	33	5.69	20.6	4.39	188	90.4	48.16	74.49	1	1	1	1	1	26.32	35.34141187
907	06/12/2020	8	8.1	8.1.5.2	VSPL22011012479999	873	21	27.5	32	2.3	15.8	1.3	74	20.5	27.91	74.97	1	1	1	1	1	47.07	62.77655389
908	06/12/2020	8	8.1	8.1.5.2	VSPL22011011178561	821	49	33.3	32	5.76	13.5	4.5	184	60.8	32.96	74.64	1	1	1	1	1	41.68	55.84296926
909	06/12/2020	8	8.1	8.1.5.2	VSPL23000566231375870	819	135	56.7	32	5.69	22.2	4.7	182	104.3	57.30	74.63	1	1	1	1	0	17.32	23.21275031
910	06/12/2020	8	8.1	8.1.5.2	VSPL22011012178818	823	46	54	32	5.8	13.7	4.76	186	65.2	35.14	74.65	1	1	1	1	1	39.52	52.93466876
911	06/12/2020	8	8.1	8.1.5.2	VSPL2201101375870	826	137	57.3	32	5.96	21.6	5.14	191	111.0	58.21	74.67	1	1	1	1	0	16.46	22.04202992
912	06/12/2020	8	8.1	8.1.5.2	VSPL2201101138870	825	42	39	32	5.03	14.6	4.1	161	59.9	37.19	74.67	1	1	1	1	1	37.48	50.19237161
913	06/12/2020	8	8.1	8.1.5.2	2300056625	832	34	37.5	32	4.7	22.4	2.3	150	51.5	34.26	74.71	1	1	1	1	1	40.46	54.14944138
914	06/12/2020	8	8.1	8.1.5.2	2300055625	836	32	28.8	32	2.94	16.4	1.6	94	26.2	27.89	74.74	1	1	1	1	1	46.85	62.68062622
915	06/12/2020	8	8.1	8.1.5.2	2300056631	838	28	28.3	32	2.9	16.1	1.6	93	25.8	27.76	74.75	1	1	1	1	1	46.99	62.86432405
916	06/12/2020	8	8.1	8.1.5.2	2300056606	837	16	24.3	32	6.9	17.1	0.4	221	6.8	3.10	74.74	1	1	1	1	1	71.64	95.85535184
917	06/12/2020	8	8.1	8.1.5.2	2300048635	841	136	55.1	32	6.21	21.3	5.02	199	106.9	53.81	74.77	1	1	1	1	1	20.96	28.03461469
918	06/12/2020	8	8.1	8.1.5.2	2300048640	1100	130	53.3	30	8.01	21.2	6.2	240	131.4	54.70	76.43	1	1	1	1	1	21.73	28.42973098
919	06/12/2020	8	8.1	8.1.5.2	2300049137	1093	20	20.2	30	2.08	18.9	2.9	62	54.8	87.84	76.38	1	1	0	0	0	-11.46	-14.99758902
920	06/12/2020	8	8.1	8.1.5.2	2300049130	735	46	55	20	2.7	14	1.9	54	26.6	49.26	74.09	1	1	1	1	1	24.83	33.51429443
921	06/12/2020	8	8.1	8.1.5.4	2300054981	1000	20	54	20	3.9	15	2.8	78	42.0	53.85	75.79	1	1	1	1	1	21.94	28.94973498
922	06/12/2020	8	8.1	8.1.5.4	2300055189	800	98	41.1	30	6.3	19.1	3.1	189	59.2	31.33	74.51	1	1	1	1	1	43.18	57.95232286
923	06/12/2020	8	8.1	8.1.5.4	2300055473	1037	20	20.5	31	2.3	20.4	6.1	71	124.4	174.53	76.02	1	1	1	1	1	-98.51	-129.576067
924	06/12/2020	8	8.1	8.1.5.4	VSPL2201101278243	1024	132	53.8	31	8.9	20.9	6.5	276	135.9	49.24	75.94	1	1	1	1	1	26.70	35.16050301
925	06/12/2020	8	8.1	8.1.5.4	-	920	130	52.5	31	7.8	19.9	6.5	242	129.4	53.49	75.27	1	1	1	1	1	21.78	28.93346487
926	06/12/2020	8	8.1	8.1.5.4	2300055492	852	13	20.1	30	1.2	14.8	0.5	36	7.4	20.56	74.84	1	1	1	1	1	54.28	72.53355805
927	06/12/2020	8	8.1	8.1.5.4	2300055120	921	15	19.2	30	1	15.9	0.3	30	4.8	15.90	75.28	1	1	1	1	1	59.38	78.87896451
928	06/12/2020	8	8.1	8.1.5.4	VSPL22011012178812	1117	135	53.3	31	8.1	20.7	6.6	251	136.6	54.41	76.53	1	1	1	1	1	22.13	28.90998324
929	06/12/2020	8	8.1	8.1.5.4	VSPL22011012178833	1050	137	44.7	31	7.5	20.8	6.3	233	131.0	56.36	76.11	1	1	1	1	1	19.74	25.94369653
930	06/12/2020	8	8.1	8.1.5.4	VSPL220110121788831	1050	15	21.7	30	0.9	16.7	0.3	27	5.0	18.56	76.11	1	1	1	1	1	57.55	75.61880068

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
931	06/12/2020	8	8.1	8.1.5.4	VSPL22011012178831	1091	138	59	30	7.5	21.5	6.2	225	133.3	59.24	76.37	1	1	1	1	0	17.12	22.42282876
932	06/12/2020	8	8.1	8.1.5.4	2300055176	711	85	50.4	30	5.28	15.5	4.6	158	71.3	45.01	73.94	1	1	1	1	1	28.92	39.11980261
933	06/12/2020	8	8.1	8.1.5.4	2300056596	698	84	42.4	31	5.01	18	3.39	155	61.0	39.29	73.85	1	1	1	1	1	34.56	46.80100035
934	06/12/2020	8	8.1	8.1.5.4	2300056384	693	20	20	31	2.4	17	2.02	74	34.3	46.16	73.82	1	1	1	1	1	27.67	37.47607194
935	06/12/2020	8	8.1	8.1.5.4	2300056605	690	10	20	31	2.7	15	2.07	84	31.1	37.10	73.80	1	1	1	1	1	36.71	49.7347305
936	06/12/2020	8	8.1	8.1.5.4	2300049125	674	9	14.3	30	0.6	10.5	0.2	18	2.1	11.67	73.70	1	1	1	1	1	62.03	84.16997288
937	06/12/2020	8	8.1	8.1.5.4	2300049295	780	20	20.1	30	2.52	18.2	2.84	76	51.7	68.37	74.38	1	0	0	0	0	6.01	8.077159415
938	06/12/2020	8	8.1	8.1.5.4	2300056445	790	44	27.9	31	2.8	16.2	1.6	87	25.9	29.86	74.44	1	1	1	1	1	44.58	59.88588277
939	06/12/2020	8	8.1	8.1.5.4	2300049131	788	20	30.9	31	2.8	21.2	2.05	87	43.5	50.07	74.43	1	1	1	1	1	24.36	32.72919174
940	06/12/2020	8	8.1	8.1.5.4	2300049134	764	80	41.6	32	5.4	17.1	4.1	173	70.1	40.57	74.28	1	1	1	1	1	33.70	45.3751748
941	06/12/2020	8	8.1	8.1.5.4	2300049135	751	90	41.9	31	5.16	18.4	3.7	160	68.1	42.56	74.19	1	1	1	1	1	31.63	42.634771
942	06/12/2020	8	8.1	8.1.5.4	2300048738	736	15	19	31	1.3	10.5	0.8	40	8.4	20.84	74.10	1	1	1	1	1	53.25	71.86952071
943	06/12/2020	8	8.1	8.1.5.4	2300056714	735	20	18	31	1.4	9	0.2	43	1.8	4.15	74.09	1	1	1	1	1	69.94	94.4021252
944	06/12/2020	8	8.1	8.1.4.1	2300042056	529	16	18.5	31	0.72	11	0.4	22	4.4	19.71	72.77	1	1	1	1	1	53.06	72.91077611
945	06/12/2020	8	8.1	8.1.4.1	2300035651	830	125	54.4	30	5.7	20	4.7	171	94.0	54.97	74.70	1	1	1	1	1	19.73	26.40932792
946	06/12/2020	8	8.1	8.1.4.1	2300037605	848	109	64.9	21	5.95	15.9	5.6	125	89.0	71.26	74.81	0	0	0	0	0	3.55	4.748755298
947	06/12/2020	8	8.1	8.1.4.1	2300042117	832	120	42.2	31	5.8	21.3	3.71	180	79.0	43.95	74.71	1	1	1	1	1	30.76	41.17249373
948	06/12/2020	8	8.1	8.1.4.1	2300035755	852	137	59.3	31	6.09	21.41	5.4	189	115.6	61.24	74.84	1	1	1	0	0	13.60	18.17149336
949	06/12/2020	8	8.1	8.1.4.1	2300037994	1001	136	56.7	31	7.1	21	6.1	220	128.1	58.20	75.79	1	1	1	1	0	17.59	23.21021922
950	06/12/2020	8	8.1	8.1.4.1	2300042132	1028	94	58.8	31	7.3	14.9	6.08	226	90.6	40.03	75.97	1	1	1	1	1	35.93	47.30242773
951	06/12/2020	8	8.1	8.1.4.1	2300036777	1035	20	20.8	10	2.5	10.2	2.6	25	26.5	106.08	76.01	1	1	1	1	1	-30.07	-39.56058413
952	06/12/2020	8	8.1	8.1.4.1	2300035278	923	25	34	20	3.9	10.2	2.6	78	26.5	34.00	75.29	1	1	1	1	1	41.29	54.84319965
953	06/12/2020	8	8.1	8.1.4.1	2300037603	964	110	45	31	7.5	18.4	5.7	233	104.9	45.11	75.56	1	1	1	1	1	30.45	40.2960503
954	06/12/2020	8	8.1	8.1.4.1	2300037589	1000	120	52	31	7.01	20.1	5.6	217	112.6	51.80	75.79	1	1	1	1	1	23.99	31.65364042
955	06/12/2020	8	8.1	8.1.4.1	2300042642	1020	109	46.7	31	7.1	21	4.99	220	104.8	47.61	75.91	1	1	1	1	1	28.30	37.28406198
956	06/12/2020	8	8.1	8.1.4.1	2300037601	1020	20	20.2	30	2.4	18.2	2.6	72	47.3	65.72	75.91	1	1	0	0	0	10.19	13.42542585
957	06/12/2020	8	8.1	8.1.4.1	2300036987	1056	132	56.7	30	7.2	21	6.1	216	128.1	59.31	76.14	1	1	1	1	0	16.84	22.11435699
958	06/12/2020	8	8.1	8.1.4.1	2300036735	1049	135	59.7	30	6.4	21.1	5.5	192	116.1	60.44	76.10	1	1	1	1	0	15.66	20.5742102
959	06/12/2020	8	8.1	8.1.4.1	2300036674	1006	135	55.1	30	7.6	20.5	6.3	228	129.2	56.64	75.82	1	1	1	1	1	19.18	25.29484329

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
960	06/12/2020	8	8.1	8.1.4.1	2300036974	1057	132	64.5	30	7.7	22.5	5.8	231	130.5	56.49	76.15	1	1	1	1	1	19.66	25.81364018
961	06/12/2020	8	8.1	8.1.4.1	2300036923	1061	49	25	30	4.2	10.7	3.1	126	33.2	26.33	76.18	1	1	1	1	1	49.85	65.44153199
962	06/12/2020	8	8.1	8.1.4.1	2300042126	1072	129	52.6	31	7.6	20	6.3	236	126.0	53.48	76.25	1	1	1	1	1	22.77	29.858728
963	06/12/2020	8	8.1	8.1.4.1	2300038232	1003	46	13	30	5	17.2	2.6	150	44.7	29.81	75.81	1	1	1	1	1	45.99	60.6711237
964	06/12/2020	8	8.1	8.1.4.1	2300043999	1073	137	56.3	30	7.8	21.6	6.3	234	136.1	58.15	76.25	1	1	1	1	0	18.10	23.73586138
965	06/12/2020	8	8.1	8.1.4.1	2300043997	1061	126	51.4	30	7.9	19.8	6	237	118.8	50.13	76.18	1	1	1	1	1	26.05	34.1967036
966	06/12/2020	8	8.1	8.1.4.1	2300044001	910	20	58	20	2.51	20.2	2.9	50	58.6	116.69	75.21	1	1	1	1	1	-41.48	-55.15653117
967	06/12/2020	8	8.1	8.1.4.3	2300034602	921	18	20	20	2.45	21.5	3.04	49	65.4	133.39	75.28	1	1	1	1	1	-58.11	-77.18789366
968	06/12/2020	8	8.1	8.1.4.3	2300037607	724	48	33.4	32	0.6	13.2	0.42	19	5.5	28.88	74.02	1	1	1	1	1	45.14	60.99006209
969	06/12/2020	8	8.1	8.1.4.3	2300042118	932	124	50.2	32	6.7	19.6	5.6	214	109.8	51.19	75.35	1	1	1	1	1	24.16	32.05907588
970	06/12/2020	8	8.1	8.1.4.3	2300037610	957	110	45.8	31	6.7	18.5	5.4	208	99.9	48.10	75.51	1	1	1	1	1	27.41	36.30286186
971	06/12/2020	8	8.1	8.1.4.3	2300036629	973	138	57.4	30	6.9	23.3	5.35	207	124.7	60.22	75.61	1	1	1	1	0	15.39	20.35807668
972	06/12/2020	8	8.1	8.1.4.3	2300037990	1001	105	60	22	7.9	15.5	6.5	174	100.8	57.97	75.79	1	1	1	1	0	17.82	23.51617074
973	06/12/2020	8	8.1	8.1.4.3	2300035133	1025	114	45.6	31	7.5	18.6	5.8	233	107.9	46.40	75.95	1	1	1	1	1	29.55	38.90395808
974	06/12/2020	8	8.1	8.1.4.3	2300037001	1037	83	35.4	30	7.07	16.9	4.6	212	77.7	36.65	76.02	1	1	1	1	1	39.37	51.78746061
975	06/12/2020	8	8.1	8.1.4.3	2300042131	1046	92	37.4	31	7.4	16.1	5.4	229	86.9	37.90	76.08	1	1	1	1	1	38.18	50.18576847
976	06/12/2020	8	8.1	8.1.4.3	2300042127	1055	30	24.7	30	3.9	15.1	1.9	117	28.7	24.52	76.14	1	1	1	1	1	51.62	67.79352292
977	06/12/2020	8	8.1	8.1.4.3	2300042058	1046	133	54.6	30	7.7	20.4	6.3	231	128.5	55.64	76.08	1	1	1	1	1	20.44	26.8716205
978	06/12/2020	8	8.1	8.1.4.3	2300042120	1062	81	40.2	30	6.1	16	4.7	183	75.2	41.09	76.18	1	1	1	1	1	35.09	46.06013933
979	06/12/2020	8	8.1	8.1.4.3	2300036631	718	35	28.9	32	4.05	15	2.4	130	36.0	27.78	73.98	1	1	1	1	1	46.20	62.45292348
980	06/12/2020	8	8.1	8.1.4.3	2300037600	700	95	47.1	31	5.08	18.4	4.13	157	76.0	48.26	73.87	1	1	1	1	1	25.61	34.67222198
981	06/12/2020	8	8.1	8.1.4.3	2300042123	693	47	27.9	31	4.9	16.8	2.5	152	42.0	27.65	73.82	1	1	1	1	1	46.17	62.544947
982	06/12/2020	8	8.1	8.1.4.3	2300036898	691	39	30.5	31	4.9	16.2	2.7	152	43.7	28.80	73.81	1	1	1	1	1	45.01	60.98647303
983	06/12/2020	8	8.1	8.1.4.3	2300042123	685	133	68.6	31	4.9	21.2	4.3	152	91.2	60.01	73.77	1	1	1	0	0	13.76	18.64827632
984	06/12/2020	8	8.1	8.1.4.3	2300044000	717	25	67.1	30	2.9	23.1	2.6	87	60.1	69.03	73.97	1	0	0	0	0	4.94	6.678378639
985	06/12/2020	8	8.1	8.1.4.3	2300035720	996	138	62.4	31	5.7	22.7	5	177	113.5	64.23	75.76	1	1	1	0	0	11.53	15.21538488
986	06/12/2020	8	8.1	8.1.4.3	2300036905	878	49	41	32	2.9	14.4	1.2	93	17.3	18.62	75.01	1	1	1	1	1	56.38	75.17413505
987	06/12/2020	8	8.1	8.1.4.3	2300369*26	1064	20	20.6	32	2.6	18.2	6.02	83	109.6	131.69	76.20	1	1	1	1	1	-55.49	-72.82822105
988	06/12/2020	8	8.1	8.1.4.3	2300044540	1001	89	35.8	32	7.2	16.5	5.03	230	83.0	36.02	75.79	1	1	1	1	1	39.77	52.47262863
989	06/12/2020	8	8.1	8.1.4.3	2300037963	1026	76	31.9	31	7	15.2	4.6	217	69.9	32.22	75.95	1	1	1	1	1	43.73	57.57711651

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
990	06/12/2020	8	8.1	8.1.4.2	2300037099	626	20	39	32	4.4	14.1	4	141	56.4	40.06	73.39	1	1	1	1	1	33.34	45.421027
991	06/12/2020	8	8.1	8.1.4.2	2300037016	523	49	37	32	4.3	16.7	3.1	138	51.8	37.62	72.73	1	1	1	1	1	35.11	48.27183939
992	06/12/2020	8	8.1	8.1.4.2	2300044433	620	41	30.2	31	2.09	16.3	1.4	65	22.8	35.22	73.35	1	1	1	1	1	38.13	51.98423427
993	06/12/2020	8	8.1	8.1.4.2	2300037619	616	45	27.8	31	2.8	11.5	1.2	87	13.8	15.90	73.33	1	1	1	1	1	57.43	78.31860846
994	06/12/2020	8	8.1	8.1.4.2	2300037991	607	33	42.2	32	2.07	15.5	1.5	66	23.3	35.10	73.27	1	1	1	1	1	38.17	52.09600867
995	06/12/2020	8	8.1	8.1.4.2	2300038002	583	108	65	31	4.2	16.5	3.8	130	62.7	48.16	73.12	1	1	1	1	1	24.96	34.13768302
996	06/12/2020	8	8.1	8.1.4.2	2300035252	587	105	55.6	31	4.2	20.2	3.7	130	74.7	57.40	73.14	1	1	1	1	0	15.74	21.51791584
997	06/12/2020	8	8.1	8.1.4.2	2300035136	578	128	61.6	30	4.1	21.6	3.73	123	80.6	65.50	73.09	1	1	0	0	0	7.58	10.37523462
998	06/12/2020	8	8.1	8.1.4.2	2300035335	877	138	56.7	31	6.3	21.5	5.3	195	114.0	58.35	75.00	1	1	1	1	0	16.65	22.20390973
999	06/12/2020	8	8.1	8.1.4.2	2300035332	882	137	55.3	31	5.5	21.3	5.3	171	112.9	66.21	75.03	1	1	0	0	0	8.82	11.75471447
1000	06/12/2020	8	8.1	8.1.4.2	2300037599	884	36	5.6	31	6.6	6.3	5.3	205	33.4	16.32	75.04	1	1	1	1	1	58.72	78.2531114
1001	06/12/2020	8	8.1	8.1.4.2	2300035170	880	94	40.7	31	6.3	18.1	4.5	195	81.5	41.71	75.02	1	1	1	1	1	33.31	44.40658359
1002	06/12/2020	8	8.1	8.1.4.2	2300035339	887	81	37.1	31	6.5	16.4	4.5	202	73.8	36.63	75.06	1	1	1	1	1	38.44	51.20710902
1003	06/12/2020	8	8.1	8.1.4.2	2300035328	894	110	46.5	31	6.7	18.6	5.2	208	96.7	46.57	75.11	1	1	1	1	1	28.54	37.99939796
1004	06/12/2020	8	8.1	8.1.4.2	2300037797	809	137	55.4	31	6.7	21	5.5	208	115.5	55.61	74.56	1	1	1	1	1	18.95	25.42064557
1005	06/12/2020	8	8.1	8.1.4.2	2300036453	895	89	43.7	31	6.4	17.5	5.05	198	88.4	44.54	75.11	1	1	1	1	1	30.57	40.69833745
1006	06/12/2020	8	8.1	8.1.4.2	2300036451	1001	20	18.2	30	2.1	21.2	2.6	63	55.1	87.49	75.79	1	1	1	0	0	-11.70	-15.43645998
1007	06/12/2020	8	8.1	8.1.4.2	2300036470	1004	20	17.6	30	2.4	18.4	1.6	72	29.4	40.89	75.81	1	1	1	1	1	34.92	46.0651287
1008	06/12/2020	8	8.1	8.1.4.2	2300036454	1045	18	16.5	30	2.5	18.5	2.2	75	40.7	54.27	76.07	1	1	1	1	1	21.81	28.66594807
1009	06/12/2020	8	8.1	8.1.4.2	2300036650	1054	46	24.6	30	4.1	10.1	2.3	123	23.2	18.89	76.13	1	1	1	1	1	57.25	75.19272042
1010	06/12/2020	8	8.1	8.1.4.2	2300036700	1034	49	19.8	30	6.7	6.3	6.6	201	41.6	20.69	76.00	1	1	1	1	1	55.32	72.78212195
1011	06/12/2020	8	8.1	8.1.4.2	2300029371	1032	22	26.9	30	6.7	16	1.3	201	20.8	10.35	75.99	1	1	1	1	1	65.64	86.38222166
1012	06/12/2020	8	8.1	8.1.4.2	2300029361	1034	12	20.8	30	2.5	15.5	0.9	75	14.0	18.60	76.00	1	1	1	1	1	57.40	75.52747501
1013	06/12/2020	8	8.1	8.1.4.4	2300037017	1013	22	27.7	30	2.2	16.2	1.2	66	19.4	29.45	75.87	1	1	1	1	1	46.41	61.17720306
1014	06/12/2020	8	8.1	8.1.4.4	2300036869	1019	15	26.8	30	2.4	16.5	2.4	72	39.6	55.00	75.91	1	1	1	1	1	20.91	27.54348708
1015	06/12/2020	8	8.1	8.1.4.4	2300036886	1035	19	26	30	2.2	15.5	1.2	66	18.6	28.18	76.01	1	1	1	1	1	47.83	62.92353877
1016	06/12/2020	8	8.1	8.1.4.4	2300037989	1033	87	39.6	30	6.8	17.1	4.8	204	82.1	40.24	76.00	1	1	1	1	1	35.76	47.05687299
1017	06/12/2020	8	8.1	8.1.4.4	2300035030	1035	44	28.7	30	3.1	15.4	2.4	93	37.0	39.74	76.01	1	1	1	1	1	36.27	47.71485925
1018	06/12/2020	8	8.1	8.1.4.4	2300035294	1020	133	44.8	30	7.4	21.3	5.9	222	125.7	56.61	75.91	1	1	1	1	1	19.31	25.43126682
1019	06/12/2020	8	8.1	8.1.4.4	2300035124	1023	17	22.22	30	2.5	15.1	1.1	75	16.6	22.15	75.93	1	1	1	1	1	53.79	70.83401376

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1020	06/12/2020	8	8.1	8.1.4.4	2300037794	1042	128	51.3	30	2.5	19.7	6.2	75	122.1	162.85	76.05	1	1	1	1	1	-86.80	-114.1263054
1021	06/12/2020	8	8.1	8.1.4.4	2300035335	1041	138	55.3	30	7.3	21.2	6.2	219	131.4	60.02	76.05	1	1	1	1	0	16.03	21.0788592
1022	06/12/2020	8	8.1	8.1.4.4	2300035887	989	83	42.2	30	5.9	17.9	4.3	177	77.0	43.49	75.72	1	1	1	1	1	32.23	42.56682149
1023	06/12/2020	8	8.1	8.1.4.4	2300035336	993	49	30.4	30	3	17.1	2.4	90	41.0	45.60	75.74	1	1	1	1	1	30.14	39.79498608
1024	06/12/2020	8	8.1	8.1.4.4	2300035329	990	114	46	30	7.3	18.5	5.4	219	99.9	45.62	75.72	1	1	1	1	1	30.11	39.75801173
1025	06/12/2020	8	8.1	8.1.4.4	2300036396	992	91	38.2	30	7.1	16.9	4.99	213	84.3	39.59	75.73	1	1	1	1	1	36.14	47.7228186
1026	06/12/2020	8	8.1	8.1.4.4	2300036457	1090	72	31.8	30	6.9	15.3	6.4	207	97.9	47.30	76.36	1	1	1	1	1	29.06	38.05250278
1027	06/12/2020	8	8.1	8.1.4.4	2300036455	989	46	26.4	30	3.4	16.9	2.6	102	43.9	43.08	75.72	1	1	1	1	1	32.64	43.10494618
1028	06/12/2020	8	8.1	8.1.4.4	2300029348	991	45	29.9	30	3.5	15.3	2.3	105	35.2	33.51	75.73	1	1	1	1	1	42.21	55.74409902
1029	06/12/2020	8	8.1	8.1.4.4	2300036768	998	101	41.7	30	7.2	17.7	5.2	216	92.0	42.61	75.77	1	1	1	1	1	33.16	43.76493125
1030	06/12/2020	8	8.1	8.1.4.4	2300029354	993	132	54.5	30	7.2	20.2	6.04	216	122.0	56.49	75.74	1	1	1	1	1	19.26	25.42343509
1031	06/12/2020	8	8.1	8.1.4.4	2300036702	988	88	38	30	6.9	13.5	6	207	81.0	39.13	75.71	1	1	1	1	1	36.58	48.314822
1032	07/12/2020	8	8.2	8.2.1.1	2300029349	987	89	37.3	30	6.3	16.5	4.4	189	72.6	38.41	75.70	1	1	1	1	1	37.29	49.25855
1033	07/12/2020	8	8.2	8.2.1.1	2300037518	992	76	33.8	30	6.7	15.8	5.9	201	93.2	46.38	75.73	1	1	1	1	1	29.36	38.76248508
1034	07/12/2020	8	8.2	8.2.1.1	2300029714	988	119	49.1	30	7.3	18.5	5.4	219	99.9	45.62	75.71	1	1	1	1	1	30.09	39.74782674
1035	07/12/2020	8	8.2	8.2.1.1	2300029440	1000	45	32.2	30	4.5	15.2	2.7	135	41.0	30.40	75.79	1	1	1	1	1	45.39	59.88705038
1036	07/12/2020	8	8.2	8.2.1.1	2300037385	989	137	54.1	30	7.2	19.8	6.08	216	120.4	55.73	75.72	1	1	1	1	1	19.98	26.39121484
1037	07/12/2020	8	8.2	8.2.1.1	2300037896	769	111	52.3	32	5.7	24.5	4.9	182	120.1	65.82	74.31	1	1	0	0	0	8.49	11.42644095
1038	07/12/2020	8	8.2	8.2.1.1	2300035682	806	135	65.5	32	5.4	23.3	4.5	173	104.9	60.68	74.54	1	1	1	0	0	13.87	18.60276113
1039	07/12/2020	8	8.2	8.2.1.1	2300037502	804	41	20.2	32	2.9	17.3	1.7	93	29.4	31.69	74.53	1	1	1	1	1	42.84	57.47869314
1040	07/12/2020	8	8.2	8.2.1.1	2300037803	801	20	20	20	2.2	16.2	1.6	44	25.9	58.91	74.51	1	1	1	1	0	15.60	20.94055364
1041	07/12/2020	8	8.2	8.2.1.1	2300035268	801	123	57.1	31	5.4	20.7	4.8	167	99.4	59.35	74.51	1	1	1	1	0	15.16	20.34233401
1042	07/12/2020	8	8.2	8.2.1.1	2300035190	807	97	66.6	31	5.5	15	5.2	171	78.0	45.75	74.55	1	1	1	1	1	28.80	38.6353995
1043	07/12/2020	8	8.2	8.2.1.1	2300029599	834	133	53.8	32	5.8	22.4	4.4	186	98.6	53.10	74.72	1	1	1	1	1	21.62	28.93349855
1044	07/12/2020	8	8.2	8.2.1.1	2300029357	833	129	58.2	32	5.7	21.2	5	182	106.0	58.11	74.72	1	1	1	1	0	16.60	22.22134249
1045	07/12/2020	8	8.2	8.2.1.1	2300029452	851	68	42	32	5.9	15	5.3	189	79.5	42.11	74.83	1	1	1	1	1	32.72	43.73018793
1046	07/12/2020	8	8.2	8.2.1.1	2300029637	850	47	38	31	3.9	13.9	2.1	121	29.2	24.14	74.83	1	1	1	1	1	50.68	67.73324701
1047	07/12/2020	8	8.2	8.2.1.1	2300025248	948	135	67	30	6.5	21.4	5.3	195	113.4	58.16	75.45	1	1	1	1	0	17.29	22.91367024
1048	07/12/2020	8	8.2	8.2.1.1	2300029249	968	107	46.6	31	6.5	18.1	6.04	202	109.3	54.26	75.58	1	1	1	1	1	21.33	28.2161611
1049	07/12/2020	8	8.2	8.2.1.1	2300029581	934	90	40.1	31	6.4	17.2	4.7	198	80.8	40.75	75.36	1	1	1	1	1	34.62	45.93415423

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1050	07/12/2020	8	8.2	8.2.1.1	2300039614	931	46	22.7	31	3.9	15	2.8	121	42.0	34.74	75.34	1	1	1	1	1	40.60	53.89245373
1051	07/12/2020	8	8.2	8.2.1.1	2300028730	934	111	49.2	31	5.8	23.4	3.6	180	84.2	46.85	75.36	1	1	1	1	1	28.51	37.8319801
1052	07/12/2020	8	8.2	8.2.1.1	2300028719	940	44	20.8	30	6.2	11.5	4.8	186	55.2	29.68	75.40	1	1	1	1	1	45.72	60.64107138
1053	07/12/2020	8	8.2	8.2.1.1	2300028755	976	117	47.3	30	7.1	18.4	5.8	213	106.7	50.10	75.63	1	1	1	1	1	25.53	33.75420272
1054	07/12/2020	8	8.2	8.2.1.1	2300028230	965	125	42.4	30	7	19.7	5.6	210	110.3	52.53	75.56	1	1	1	1	1	23.03	30.47651818
1055	07/12/2020	8	8.2	8.2.1.3	2300037515	968	124	42.3	30	6.5	19.4	5.8	195	112.5	57.70	75.58	1	1	1	1	0	17.88	23.65487171
1056	07/12/2020	8	8.2	8.2.1.3	2300029417	975	85	37.9	30	6.8	16.5	4.7	204	77.6	38.01	75.63	1	1	1	1	1	37.61	49.733285
1057	07/12/2020	8	8.2	8.2.1.3	2300029310	974	128	63	30	7	21.8	6.3	210	137.3	65.40	75.62	1	1	0	0	0	10.22	13.51448566
1058	07/12/2020	8	8.2	8.2.1.3	2300029345	970	122	51.3	30	7.03	19	5.8	211	110.2	52.25	75.59	1	1	1	1	1	23.34	30.87777833
1059	07/12/2020	8	8.2	8.2.1.3	2300037386	968	41	38	30	3.8	11.3	2.3	114	26.0	22.80	75.58	1	1	1	1	1	52.78	69.83608938
1060	07/12/2020	8	8.2	8.2.1.3	2300029515	973	85	36.4	30	7.1	13.9	5.8	213	80.6	37.85	75.61	1	1	1	1	1	37.76	49.94291307
1061	07/12/2020	8	8.2	8.2.1.3	2300037872	981	128	24.2	30	3.3	22	2.2	99	48.4	48.89	75.66	1	1	1	1	1	26.78	35.38719809
1062	07/12/2020	8	8.2	8.2.1.3	2300029436	963	135	64.5	30	6.8	22.2	6.08	204	135.0	66.16	75.55	1	1	0	0	0	9.38	12.42169886
1063	07/12/2020	8	8.2	8.2.1.3	2300037866	965	123	52.8	30	7.03	21.7	5.8	211	125.9	59.68	75.56	1	1	1	1	0	15.88	21.02171421
1064	07/12/2020	8	8.2	8.2.1.3	2300037394	956	129	55	30	6.2	20.3	5.8	186	117.7	63.30	75.50	1	1	1	0	0	12.20	16.1624021
1065	07/12/2020	8	8.2	8.2.1.3	2300035274	945	73	34	31	6.7	13.1	5.6	208	73.4	35.32	75.43	1	1	1	1	1	40.11	53.17738244
1066	07/12/2020	8	8.2	8.2.1.3	2300035202	928	20	32.7	31	3.1	23.4	2.2	96	51.5	53.57	75.33	1	1	1	1	1	21.76	28.88276599
1067	07/12/2020	8	8.2	8.2.1.3	2300037852	945	13	26.2	31	1.4	15.9	0.7	43	11.1	25.65	75.43	1	1	1	1	1	49.79	66.00317988
1068	07/12/2020	8	8.2	8.2.1.3	2300037858	977	6	14	31	0.1	15.9	0.1	3	1.6	51.29	75.64	1	1	1	1	1	24.35	32.19045968
1069	07/12/2020	8	8.2	8.2.1.3	2300029651	941	110	62.5	30	6.5	15.9	6.2	195	98.6	50.55	75.41	1	1	1	1	1	24.85	32.95992734
1070	07/12/2020	8	8.2	8.2.1.3	2300029532	958	20	30.2	10	2	21.4	2.4	20	51.4	256.80	75.52	1	1	1	1	1	-181.28	-240.0549809
1071	07/12/2020	8	8.2	8.2.1.3	2300029457	958	10	21.4	10	1.4	18.2	1.3	14	23.7	169.00	75.52	1	1	1	1	1	-93.48	-123.790077
1072	07/12/2020	8	8.2	8.2.1.3	2300029597	950	137	56.1	30	7.03	21.3	5.8	211	123.5	58.58	75.47	1	1	1	1	0	16.89	22.37891912
1073	07/12/2020	8	8.2	8.2.1.3	2300029231	965	132	54.5	30	6.9	20.5	5.8	207	118.9	57.44	75.56	1	1	1	1	0	18.12	23.98346586
1074	07/12/2020	8	8.2	8.2.1.3	2300029649	952	120	50.6	31	6.7	19.7	5.4	208	106.4	51.22	75.48	1	1	1	1	1	24.26	32.14239888
1075	07/12/2020	8	8.2	8.2.1.3	2300029334	885	44	30	31	3	16.6	2.9	93	48.1	51.76	75.05	1	1	1	1	1	23.29	31.02806015
1076	07/12/2020	8	8.2	8.2.1.3	2300029233	882	49	29.9	32	3.1	15.6	2.2	99	34.3	34.60	75.03	1	1	1	1	1	40.43	53.88990362
1077	07/12/2020	8	8.2	8.2.1.3	2300029489	889	45	30.4	32	3.4	20.3	2.9	109	58.9	54.11	75.08	1	1	1	1	1	20.97	27.92804069
1078	07/12/2020	8	8.2	8.2.1.3	2300029522	886	134	45.5	31	6.4	21.6	5.2	198	112.3	56.61	75.06	1	1	1	1	0	18.44	24.57285025
1079	07/12/2020	8	8.2	8.2.1.2	2300029432	882	44	27.5	31	3.9	16.3	2.1	121	34.2	28.31	75.03	1	1	1	1	1	46.72	62.26528961

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1080	07/12/2020	8	8.2	8.2.1.2	2300029366	901	78	35.4	31	6.4	20.3	4.4	198	89.3	45.02	75.15	1	1	1	1	1	30.13	40.09484555
1081	07/12/2020	8	8.2	8.2.1.2	2300029503	915	128	55.5	32	6.3	16.5	5.5	202	90.8	45.01	75.24	1	1	1	1	1	30.23	40.17319987
1082	07/12/2020	8	8.2	8.2.1.2	2300029388	924	34	24.1	32	3.4	16.5	1.6	109	26.4	24.26	75.30	1	1	1	1	1	51.03	67.77578383
1083	07/12/2020	8	8.2	8.2.1.2	2300029022	907	31	27.5	30	3.2	16.1	1.8	96	29.0	30.19	75.19	1	1	1	1	1	45.00	59.85213617
1084	07/12/2020	8	8.2	8.2.1.2	2300028703	899	25	23.8	30	3.5	15.8	1.7	105	26.9	25.58	75.14	1	1	1	1	1	49.56	65.95543178
1085	07/12/2020	8	8.2	8.2.1.2	2300029512	914	41	24.3	31	2.4	16.9	1.1	74	18.6	24.99	75.24	1	1	1	1	1	50.25	66.7889149
1086	07/12/2020	8	8.2	8.2.1.2	2300028884	912	20	18.2	32	1.4	10.2	1.2	45	12.2	27.32	75.22	1	1	1	1	1	47.90	63.67932519
1087	07/12/2020	8	8.2	8.2.1.2	2300029510	917	17	26.6	31	2.02	16.4	0.4	63	6.6	10.48	75.25	1	1	1	1	1	64.78	86.07944437
1088	07/12/2020	8	8.2	8.2.1.2	2300029513	825	7	26.4	32	0.7	16.4	0.4	22	6.6	29.29	74.67	1	1	1	1	1	45.38	60.77771103
1089	07/12/2020	8	8.2	8.2.1.2	2300029529	834	15	19.9	31	1.5	18.8	0.5	47	9.4	20.22	74.72	1	1	1	1	1	54.51	72.94689527
1090	07/12/2020	8	8.2	8.2.1.2	2300028698	831	93	47.6	31	5.9	15	4.9	183	73.5	40.19	74.70	1	1	1	1	1	34.52	46.20679112
1091	07/12/2020	8	8.2	8.2.1.2	2300028882	846	137	58.2	32	6.9	21.1	5.4	221	113.9	51.60	74.80	1	1	1	1	1	23.20	31.01205225
1092	07/12/2020	8	8.2	8.2.1.2	2300028736	851	14.5	49.5	31	6.9	22	5.3	214	116.6	54.51	74.83	1	1	1	1	1	20.32	27.15527773
1093	07/12/2020	8	8.2	8.2.1.2	2300029642	854	113	50.9	30	6	19.3	5.09	180	98.2	54.58	74.85	1	1	1	1	1	20.28	27.08758248
1094	07/12/2020	8	8.2	8.2.1.2	2300029526	857	12	25.8	31	1.2	16.6	0.6	37	10.0	26.77	74.87	1	1	1	1	1	48.10	64.2394718
1095	07/12/2020	8	8.2	8.2.1.2	2300029533	868	29	26.6	31	3.1	15.9	1.6	96	25.4	26.47	74.94	1	1	1	1	1	48.47	64.6757397
1096	07/12/2020	8	8.2	8.2.1.2	2300028833	864	48	30.8	32	5.9	15.2	3.8	189	57.8	30.59	74.92	1	1	1	1	1	44.32	59.16308441
1097	07/12/2020	8	8.2	8.2.1.2	2300029634	871	132	57.1	31	5.9	21.8	4.8	183	104.6	57.21	74.96	1	1	1	1	0	17.75	23.67758038
1098	07/12/2020	8	8.2	8.2.1.2	2300030019	851	28	27.7	31	2.9	15.9	1.6	90	25.4	28.30	74.83	1	1	1	1	1	46.53	62.18468336
1099	07/12/2020	8	8.2	8.2.1.2	2300029635	872	17	24.1	31	1.7	16	0.8	53	12.8	24.29	74.97	1	1	1	1	1	50.68	67.60109135
1100	07/12/2020	8	8.2	8.2.1.2	2300028849	871	113	49	31	6.2	19.3	5.1	192	98.4	51.21	74.96	1	1	1	1	1	23.75	31.68088901
1101	07/12/2020	8	8.2	8.2.1.2	2300028826	975	48	29.9	30	4.6	16.7	2.6	138	43.4	31.46	75.63	1	1	1	1	1	44.16	58.39556751
1102	07/12/2020	8	8.2	8.2.1.2	2300029640	971	12	22.6	30	1.8	16.3	0.8	54	13.0	24.15	75.60	1	1	1	1	1	51.45	68.0581741
1103	07/12/2020	8	8.2	8.2.1.4	2300029521	945	29	21.2	30	4.3	10.1	2.8	129	28.3	21.92	75.43	1	1	1	1	1	53.51	70.93819681
1104	07/12/2020	8	8.2	8.2.1.4	2300029401	933	25	21.1	30	3.9	10.1	2.5	117	25.3	21.58	75.36	1	1	1	1	1	53.78	71.36146701
1105	07/12/2020	8	8.2	8.2.1.4	2300028701	970	22	26.2	30	2.4	15	1.3	72	19.5	27.08	75.59	1	1	1	1	1	48.51	64.17264157
1106	07/12/2020	8	8.2	8.2.1.4	2300029482	989	14.3	57.2	30	7.1	21.8	5.8	213	126.4	59.36	75.72	1	1	1	1	0	16.35	21.59937668
1107	07/12/2020	8	8.2	8.2.1.4	2300029477	972	23	26.7	30	2.5	15.9	1.3	75	20.7	27.56	75.61	1	1	1	1	1	48.05	63.54825227
1108	07/12/2020	8	8.2	8.2.1.4	2300029473	973	17	18	30	3.8	15	1.5	114	22.5	19.74	75.61	1	1	1	1	1	55.88	73.89762356
1109	07/12/2020	8	8.2	8.2.1.4	2300028872	973	25	21.9	30	1.8	15.7	0.8	54	12.6	23.26	75.61	1	1	1	1	1	52.35	69.23915499

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1110	07/12/2020	8	8.2	8.2.1.4	2300028935	976	18	26.7	30	2	15.6	1	60	15.6	26.00	75.63	1	1	1	1	1	49.63	65.62319852
1111	07/12/2020	8	8.2	8.2.1.4	2300028938	968	12	23.5	30	1.6	16	0.7	48	11.2	23.33	75.58	1	1	1	1	1	52.25	69.12812534
1112	07/12/2020	8	8.2	8.2.1.4	2300029532	967	17	20.8	30	2.1	15.2	0.7	63	10.6	16.89	75.57	1	1	1	1	1	58.69	77.6527508
1113	07/12/2020	8	8.2	8.2.1.4	2300029633	962	23	26.7	30	3.5	15.8	1.3	105	20.5	19.56	75.54	1	1	1	1	1	55.98	74.10487199
1114	07/12/2020	8	8.2	8.2.1.4	2300028684	984	17	19.3	30	1.6	16	6.1	48	97.6	203.33	75.68	1	1	1	1	1	-127.65	-168.6623434
1115	07/12/2020	8	8.2	8.2.1.4	2300028741	977	6.3	26.5	30	0.6	16.2	0.3	18	4.9	27.00	75.64	1	1	1	1	1	48.64	64.30403444
1116	07/12/2020	8	8.2	8.2.1.4	2300028705	974	14	27	30	1.5	15.7	0.8	45	12.6	27.91	75.62	1	1	1	1	1	47.71	63.09011009
1117	07/12/2020	8	8.2	8.2.1.4	2300029525	972	17	24.2	30	1.7	15.8	0.8	51	12.6	24.78	75.61	1	1	1	1	1	50.82	67.21946475
1118	07/12/2020	8	8.2	8.2.1.4	2300029266	966	70	32.8	30	6.5	12.4	5.4	195	67.0	34.34	75.57	1	1	1	1	1	41.23	54.55976104
1119	07/12/2020	8	8.2	8.2.1.4	2300029621	970	116	48.8	30	6.8	18.6	5.8	204	107.9	52.88	75.59	1	1	1	1	1	22.71	30.04424565
1120	07/12/2020	8	8.2	8.2.1.4	2300029643	971	14.3	59.3	30	6.8	21.4	5.5	204	117.7	57.70	75.60	1	1	1	1	0	17.90	23.68283973
1121	07/12/2020	8	8.2	8.2.1.4	2300029636	643	20	25.7	32	2	16.3	1.03	64	16.8	26.23	73.50	1	1	1	1	1	47.27	64.30968134
1122	07/12/2020	8	8.2	8.2.1.4	2300030108	644	19	24.5	32	2.1	15.8	1.2	67	19.0	28.21	73.51	1	1	1	1	1	45.29	61.61718555
1123	07/12/2020	8	8.2	8.2.1.4	2300029641	639	32	17.3	32	3.1	10.6	1.6	99	17.0	17.10	73.48	1	1	1	1	1	56.38	76.73135817
1124	07/12/2020	8	8.2	8.2.1.4	2300029644	657	11	36	32	4.4	23.4	3.8	141	88.9	63.15	73.59	1	1	0	0	0	10.44	14.18301052
1125	07/12/2020	8	8.2	8.2.1.4	2300028790	614	32	21.6	31	3.1	15.6	1.3	96	20.3	21.10	73.32	1	1	1	1	1	52.21	71.21619725
1126	07/12/2020	8	8.2	8.2.1.4	2300029535	618	42	34	31	4.3	12.9	3.62	133	46.7	35.03	73.34	1	1	1	1	1	38.31	52.23386301
1127	07/12/2020	8	8.2	8.2.2.1	2300056552	614	23.7	40	30	4.4	14.5	3.9	132	56.6	42.84	73.32	1	1	1	1	1	30.47	41.56644822
1128	07/12/2020	8	8.2	8.2.2.1	2300056704	614	24	30.6	31	4.03	15.4	2.5	125	38.5	30.82	73.32	1	1	1	1	1	42.50	57.96630231
1129	07/12/2020	8	8.2	8.2.2.1	2300048624	611	39	35.2	32	4.1	16.1	2.8	131	45.1	34.36	73.30	1	1	1	1	1	38.94	53.12217776
1130	07/12/2020	8	8.2	8.2.2.1	2300055510	610	133	59.7	30	4.3	21.9	3.7	129	81.0	62.81	73.29	1	1	0	0	0	10.48	14.2939644
1131	07/12/2020	8	8.2	8.2.2.1	2300048609	603	6	36.7	31	4.3	13.7	3.7	133	50.7	38.03	73.25	1	1	1	1	1	35.22	48.08259551
1132	07/12/2020	8	8.2	8.2.2.1	2300056449	603	49	32.8	31	3.2	17.8	2.3	99	40.9	41.27	73.25	1	1	1	1	1	31.98	43.65479063
1133	07/12/2020	8	8.2	8.2.2.1	2300048598	605	32	42	31	4.3	15.2	3.8	133	57.8	43.33	73.26	1	1	1	1	1	29.93	40.85173946
1134	07/12/2020	8	8.2	8.2.2.1	2300048614	603	94	51.5	31	4.2	19.4	3.5	130	67.9	52.15	73.25	1	1	1	1	1	21.09	28.80006112
1135	07/12/2020	8	8.2	8.2.2.1	2300048683	600	48	35.3	32	3.1	16	2.7	99	43.2	43.55	73.23	1	1	1	1	1	29.68	40.52879155
1136	07/12/2020	8	8.2	8.2.2.1	2300048630	592	44	36.6	31	3.9	16.7	2.7	121	45.1	37.30	73.17	1	1	1	1	1	35.88	49.03261046
1137	07/12/2020	8	8.2	8.2.2.1	2300048599	559	14	26.4	31	1.3	16.2	0.7	40	11.3	28.14	72.96	1	1	1	1	1	44.82	61.4342524
1138	07/12/2020	8	8.2	8.2.2.1	2300028770	562	8	25	32	1.7	15.5	0.9	54	14.0	25.64	72.98	1	1	1	1	1	47.34	64.8638003
1139	07/12/2020	8	8.2	8.2.2.1	2300048685	566	25	26.9	32	2	16.6	1	64	16.6	25.94	73.01	1	1	1	1	1	47.07	64.47326609

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1140	07/12/2020	8	8.2	8.2.2.1	2300048618	961	17	27	30	1.8	15.3	1.04	54	15.9	29.47	75.54	1	1	1	1	1	46.07	60.99010985
1141	07/12/2020	8	8.2	8.2.2.1	2300048610	975	20	24.4	30	2.4	15.4	1.2	72	18.5	25.67	75.63	1	1	1	1	1	49.96	66.06105484
1142	07/12/2020	8	8.2	8.2.2.1	2300048730	966	16	24.4	31	2.3	15.6	1.1	71	17.2	24.07	75.57	1	1	1	1	1	51.50	68.15160679
1143	07/12/2020	8	8.2	8.2.2.1	2300048625	968	17	24.8	31	2	15.2	1.05	62	16.0	25.74	75.58	1	1	1	1	1	49.84	65.94135118
1144	07/12/2020	8	8.2	8.2.2.1	2300048626	971	14	26.7	30	1.5	15.7	0.8	45	12.6	27.91	75.60	1	1	1	1	1	47.69	63.0807362
1145	07/12/2020	8	8.2	8.2.2.1	2300048623	964	15	26.3	31	1.7	15.9	0.8	53	12.7	24.14	75.56	1	1	1	1	1	51.42	68.05448916
1146	07/12/2020	8	8.2	8.2.2.1	2300048632	962	23	24.2	31	2.3	15.8	1.1	71	17.4	24.38	75.54	1	1	1	1	1	51.17	67.73236288
1147	07/12/2020	8	8.2	8.2.2.1	2300049068	971	21	25.9	31	2.3	14.9	1.3	71	19.4	27.17	75.60	1	1	1	1	1	48.43	64.06513666
1148	07/12/2020	8	8.2	8.2.2.1	2300048634	974	13	25.9	31	1.5	15.9	0.7	47	11.1	23.94	75.62	1	1	1	1	1	51.68	68.34751325
1149	07/12/2020	8	8.2	8.2.2.1	2300049070	964	42	32	30	6.8	24.4	2.7	204	65.9	32.29	75.56	1	1	1	1	1	43.26	57.25781061
1150	07/12/2020	8	8.2	8.2.2.1	2300049127	983	82	34.3	30	6.7	23	5.8	201	133.4	66.37	75.68	1	1	0	0	0	9.31	12.3009847
1151	07/12/2020	8	8.2	8.2.2.2	2300029868	971	16	27.5	30	1.4	13.4	0.9	42	12.1	28.71	75.60	1	1	1	1	1	46.89	62.01834155
1152	07/12/2020	8	8.2	8.2.2.2	2300036397	981	84	36	30	6.9	21.7	5.8	207	125.9	60.80	75.66	1	1	1	0	0	14.86	19.64261612
1153	07/12/2020	8	8.2	8.2.2.2	2300029620	978	127	52.1	30	7.1	19.5	5.7	213	111.2	52.18	75.65	1	1	1	1	1	23.46	31.01598173
1154	07/12/2020	8	8.2	8.2.2.2	2300036387	971	135	57.8	30	6.6	21.7	5.5	198	119.4	60.28	75.60	1	1	1	1	0	15.32	20.26791157
1155	07/12/2020	8	8.2	8.2.2.2	2300029618	970	22.3	19.5	30	4.1	8.8	2.8	123	24.6	20.03	75.59	1	1	1	1	1	55.56	73.49985406
1156	07/12/2020	8	8.2	8.2.2.2	2300029331	854	40	33.2	32	3.3	12.1	2.1	106	25.4	24.06	74.85	1	1	1	1	1	50.79	67.85305859
1157	07/12/2020	8	8.2	8.2.2.2	2300035205	515	25	17.3	31	2.8	24.3	1.5	87	36.5	41.99	72.68	1	1	1	1	1	30.69	42.22353876
1158	07/12/2020	8	8.2	8.2.2.2	2300029616	841	131	35.5	32	6.74	21.7	6.1	216	132.4	61.37	74.77	1	1	1	0	0	13.40	17.91541499
1159	07/12/2020	8	8.2	8.2.2.2	2300028948	843	75	42.8	31	6.6	18.3	5.5	205	100.7	49.19	74.78	1	1	1	1	1	25.59	34.21669031
1160	07/12/2020	8	8.2	8.2.2.2	2300028958	910	104	55.9	31	6.4	20.7	4.8	198	99.4	50.08	75.21	1	1	1	1	1	25.13	33.41225215
1161	07/12/2020	8	8.2	8.2.2.2	2300029438	918	138	57	31	6.8	21.1	5.8	211	122.4	58.06	75.26	1	1	1	1	0	17.21	22.86194153
1162	07/12/2020	8	8.2	8.2.2.2	2300028943	579	129	62.9	31	4.1	22.9	3.6	127	82.4	64.86	73.09	1	1	0	0	0	8.23	11.25886813
1163	07/12/2020	8	8.2	8.2.2.2	2300029379	893	137	48.5	31	6.5	23.3	5.4	202	125.8	62.44	75.10	1	1	1	0	0	12.66	16.85660503
1164	07/12/2020	8	8.2	8.2.2.2	2300029380	598	121	59.8	31	6.7	23.7	5.3	208	125.6	60.48	73.21	1	1	1	0	0	12.74	17.39652274
1165	07/12/2020	8	8.2	8.2.2.2	2300035374	924	81	36.4	30	0.8	13.4	5.9	24	79.1	329.42	75.30	1	1	1	1	1	-254.12	-337.4746568
1166	07/12/2020	8	8.2	8.2.2.2	2300035375	931	20	21.4	20	2.8	2.4	2.5	56	6.0	10.71	75.34	1	1	1	1	1	64.63	85.77958586
1167	07/12/2020	8	8.2	8.2.2.2	2300029662	911	12	53	31	2.5	26.1	1.6	78	41.8	53.88	75.22	1	1	1	1	1	21.33	28.36153955
1168	07/12/2020	8	8.2	8.2.2.2	2300035363	962	126	49.7	31	6.3	19.7	5.04	195	99.3	50.84	75.54	1	1	1	1	1	24.70	32.70211102
1169	07/12/2020	8	8.2	8.2.2.2	2300035356	942	138	44	31	4.04	20.6	5.96	125	122.8	98.03	75.41	1	1	1	1	1	-22.62	-29.99116546

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1170	07/12/2020	8	8.2	8.2.2.2	2300029309	952	22	18.9	32	6.2	6.3	6.1	198	38.4	19.37	75.48	1	1	1	1	1	56.11	74.3372183
1171	07/12/2020	8	8.2	8.2.2.2	2300035371	916	138	56.5	30	6.6	20.6	6.1	198	125.7	63.46	75.25	1	1	1	0	0	11.78	15.6598061
1172	07/12/2020	8	8.2	8.2.2.2	2300028954	938	28	26.4	30	3.02	16.7	1.5	91	25.1	27.65	75.39	1	1	1	1	1	47.74	63.32497676
1173	07/12/2020	8	8.2	8.2.2.2	2300035369	945	32	27.8	31	3.3	15.3	1.9	102	29.1	28.42	75.43	1	1	1	1	1	47.02	62.32942402
1174	07/12/2020	8	8.2	8.2.2.3	2300056482	951	132	52.3	31	7.1	19.7	6.01	220	118.4	53.79	75.47	1	1	1	1	1	21.68	28.72577644
1175	07/12/2020	8	8.2	8.2.2.3	2300049289	958	16	35.7	31	1.6	16.5	0.5	50	8.3	16.63	75.52	1	1	1	1	1	58.88	77.97446871
1176	07/12/2020	8	8.2	8.2.2.3	2300048616	964	95	40	30	7.07	1.55	6.2	212	9.6	4.53	75.56	1	1	1	1	1	71.02	94.00324839
1177	07/12/2020	8	8.2	8.2.2.3	2300048627	945	131	53.1	30	7.1	19.9	6.01	213	119.6	56.15	75.43	1	1	1	1	1	19.28	25.56438044
1178	07/12/2020	8	8.2	8.2.2.3	2300048602	974	48	29.4	30	2.1	11.8	1.6	63	18.9	29.97	75.62	1	1	1	1	1	45.65	60.36972694
1179	07/12/2020	8	8.2	8.2.2.3	2300048611	945	58	62.4	31	7.09	22.2	6.1	220	135.4	61.61	75.43	1	1	1	0	0	13.82	18.32150197
1180	07/12/2020	8	8.2	8.2.2.3	2300048621	971	132	53.4	30	7.4	19.9	5.9	222	117.4	52.89	75.60	1	1	1	1	1	22.71	30.04350852
1181	07/12/2020	8	8.2	8.2.2.3	2300048600	914	23	25.8	32	2.7	16.6	1.3	86	21.6	24.98	75.24	1	1	1	1	1	50.26	66.80181742
1182	07/12/2020	8	8.2	8.2.2.3	2300048727	941	45	25.4	31	3.1	13.5	1.6	96	21.6	22.48	75.41	1	1	1	1	1	52.93	70.19352368
1183	07/12/2020	8	8.2	8.2.2.3	2300048631	944	12	21.9	31	1.8	15.4	0.8	56	12.3	22.08	75.43	1	1	1	1	1	53.35	70.72841633
1184	07/12/2020	8	8.2	8.2.2.3	2300048605	948	75	32.6	32	7.1	12.6	5.7	227	71.8	31.61	75.45	1	1	1	1	1	43.84	58.10526857
1185	07/12/2020	8	8.2	8.2.2.3	2300048683	944	137	55.1	31	7.1	20.1	6.05	220	121.6	55.25	75.43	1	1	1	1	1	20.18	26.75110117
1186	07/12/2020	8	8.2	8.2.2.3	2300048597	932	49	26.9	30	6.6	11.1	5.06	198	56.2	28.37	75.35	1	1	1	1	1	46.98	62.35386132
1187	07/12/2020	8	8.2	8.2.2.3	2300048613	924	136	54.9	31	6.9	20.2	5.5	214	111.1	51.94	75.30	1	1	1	1	1	23.36	31.02199885
1188	07/12/2020	8	8.2	8.2.2.3	2300048603	952	44	29.6	30	2.8	11.9	1.3	84	15.5	18.42	75.48	1	1	1	1	1	57.06	75.60021269
1189	07/12/2020	8	8.2	8.2.2.3	2300048641	968	15	30.1	31	3.1	24	1.4	96	33.6	34.96	75.58	1	1	1	1	1	40.62	53.74037511
1190	07/12/2020	8	8.2	8.2.2.3	2300048629	974	24	27.7	30	2.6	15.1	6.2	78	93.6	120.03	75.62	1	1	1	1	1	-44.41	-58.72292504
1191	07/12/2020	8	8.2	8.2.2.3	2300048620	972	16	23.8	31	1.9	14.6	6.2	59	90.5	153.68	75.61	1	1	1	1	1	-78.08	-103.2677094
1192	07/12/2020	8	8.2	8.2.2.3	2300048615	968	20	20.4	31	2.4	20.2	2.5	74	50.5	67.88	75.58	1	1	0	0	0	7.70	10.1941434
1193	07/12/2020	8	8.2	8.2.2.3	2300049067	971	136	55.2	31	7	21	5.8	217	121.8	56.13	75.60	1	1	1	1	1	19.47	25.75564116
1194	07/12/2020	8	8.2	8.2.2.3	2300048670	970	17	23.1	30	2.3	16.8	1.06	69	17.8	25.81	75.59	1	1	1	1	1	49.79	65.85880407
1195	07/12/2020	8	8.2	8.2.2.3	2300049136	971	17	27.3	30	1.9	15.1	5.7	57	86.1	151.00	75.60	1	1	1	1	1	-75.40	-99.73439294
1196	07/12/2020	8	8.2	8.2.2.3	2300049119	948	135	56.2	30	6.9	21.2	1.3	207	27.6	13.31	75.45	1	1	1	1	1	62.14	82.35461231
1197	07/12/2020	8	8.2	8.2.2.3	2300049132	961	22	24	31	2.7	14.7	6.3	84	92.6	110.65	75.54	1	1	1	1	1	-35.11	-46.47926204
1198	08/12/2020	8	8.2	8.2.2.4	2300036383	968	82	35.8	31	6.8	13.5	5.4	211	72.9	34.58	75.58	1	1	1	1	1	41.00	54.24451756
1199	08/12/2020	8	8.2	8.2.2.4	2300036473	965	13	26	30	1.5	15.3	0.8	45	12.2	27.20	75.56	1	1	1	1	1	48.36	64.00307033

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1200	08/12/2020	8	8.2	8.2.2.4	2300036382	960	30	19	30	1.4	9.7	0.8	42	7.8	18.48	75.53	1	1	1	1	1	57.05	75.53794456
1201	08/12/2020	8	8.2	8.2.2.4	2300029615	955	14	19	30	1.5	9.8	2.1	45	20.6	45.73	75.50	1	1	1	1	1	29.76	39.42444391
1202	08/12/2020	8	8.2	8.2.2.4	2300035272	973	17	26	30	1.9	1.56	1	57	1.6	2.74	75.61	1	1	1	1	1	72.88	96.38047047
1203	08/12/2020	8	8.2	8.2.2.4	2300029435	628	43	27.1	32	4.3	10	3.2	138	32.0	23.26	73.41	1	1	1	1	1	50.15	68.31857422
1204	08/12/2020	8	8.2	8.2.2.4	2300028951	588	12	25.5	32	3.8	15.1	2.8	122	42.3	34.77	73.15	1	1	1	1	1	38.38	52.46737238
1205	08/12/2020	8	8.2	8.2.2.4	2300029517	598	19	20.4	32	2.6	1.7	2.3	83	3.9	4.70	73.21	1	1	1	1	1	68.51	93.58104928
1206	08/12/2020	8	8.2	8.2.2.4	2300029941	561	34	37.1	31	3.6	16.3	1.4	112	22.8	20.45	72.98	1	1	1	1	1	52.53	71.97994328
1207	08/12/2020	8	8.2	8.2.2.4	2300036447	577	20	20.1	31	1.2	15.2	4.03	37	61.3	164.67	73.08	1	1	1	1	1	-91.59	-125.327546
1208	08/12/2020	8	8.2	8.2.2.4	2300029479	621	11	26.7	31	1.6	15.6	3.7	50	57.7	116.37	73.36	1	1	1	1	1	-43.01	-58.62913471
1209	08/12/2020	8	8.2	8.2.2.4	2300029363	601	26	24.9	31	2.2	17	1.05	68	17.9	26.17	73.23	1	1	1	1	1	47.06	64.26032668
1210	08/12/2020	8	8.2	8.2.2.4	2300029507	599	20	26.6	31	1.8	16.2	0.9	56	14.6	26.13	73.22	1	1	1	1	1	47.09	64.31415597
1211	08/12/2020	8	8.2	8.2.2.4	2300029369	574	17	23.2	31	1.4	23.3	0.4	43	9.3	21.47	73.06	1	1	1	1	1	51.58	70.60666308
1212	08/12/2020	8	8.2	8.2.2.4	2300029376	577	29	3.6	32	1.5	16.2	2.2	48	35.6	74.25	73.08	0	0	0	0	0	-1.17	-1.602653574
1213	08/12/2020	8	8.2	8.2.2.4	2300029360	564	22	24	31	1.8	16.1	0.7	56	11.3	20.20	73.00	1	1	1	1	1	52.80	72.33102733
1214	08/12/2020	8	8.2	8.2.2.4	2300035372	561	14	27.3	31	1.5	15.9	1.04	47	16.5	35.56	72.98	1	1	1	1	1	37.42	51.27014991
1215	08/12/2020	8	8.2	8.2.2.4	2300028942	560	7	25.6	31	1.2	15.7	0.5	37	7.9	21.10	72.97	1	1	1	1	1	51.87	71.08105997
1216	08/12/2020	8	8.2	8.2.2.4	2300029355	558	23	26	31	2.8	16.2	1.6	87	25.9	29.86	72.96	1	1	1	1	1	43.10	59.06949396
1217	08/12/2020	8	8.2	8.2.2.4	2300035358	564	19	25	31	2.8	15.6	1.4	87	21.8	25.16	73.00	1	1	1	1	1	47.83	65.53040139
1218	08/12/2020	8	8.2	8.2.2.4	2300029595	724	20	26.1	30	2.4	21.4	2.1	72	44.9	62.42	74.02	1	1	1	0	0	11.60	15.67548775
1219	08/12/2020	8	8.2	8.2.2.4	2300035370	715	26	58.2	2.2	5.6	2.03	2.27	12	4.6	37.40	73.96	1	1	1	1	1	36.56	49.42888363
1220	08/12/2020	8	8.2	8.2.2.4	2300035349	714	48	51.4	5.2	4.8	14.2	3.72	25	52.8	211.63	73.96	1	1	1	1	1	-137.68	-186.1644221
1221	08/12/2020	8	8.2	8.2.2.4	2300036362	710	16	21.7	32	1.4	15.9	0.6	45	9.5	21.29	73.93	1	1	1	1	1	52.64	71.19620877
1222	08/12/2020	7	7.4	7.4.5.1	-	701	46	44.1	32	3	15.8	2.5	96	39.5	41.15	73.87	1	1	1	1	1	32.73	44.30148021
1223	08/12/2020	7	7.4	7.4.5.1	2300044533	703	29	28.3	32	2.7	15.8	1.7	86	26.9	31.09	73.89	1	1	1	1	1	42.80	57.92396452
1224	08/12/2020	7	7.4	7.4.5.1	2300035872	705	33	27.8	32	5.1	16.7	1.4	163	23.4	14.33	73.90	1	1	1	1	1	59.57	80.61384558
1225	08/12/2020	7	7.4	7.4.5.1	2300035850	712	31	17.7	32	5.01	16.6	0.8	160	13.3	8.28	73.94	1	1	1	1	1	65.66	88.79751222
1226	08/12/2020	7	7.4	7.4.5.1	2300035881	696	138	28.2	31	1.8	21.7	4.16	56	90.3	161.78	73.84	1	1	1	1	1	-87.94	-119.0911449
1227	08/12/2020	7	7.4	7.4.5.1	2300035714	698	11	28.2	31	5.06	10.6	1.02	157	10.8	6.89	73.85	1	1	1	1	1	66.96	90.66693031
1228	08/12/2020	7	7.4	7.4.5.1	2300036338	685	71	41.4	32	4.8	17	3.9	154	66.3	43.16	73.77	1	1	1	1	1	30.61	41.4883252
1229	08/12/2020	7	7.4	7.4.5.1	2300034515	691	46	33	32	4.9	16.4	3.1	157	50.8	32.42	73.81	1	1	1	1	1	41.38	56.07075971

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1230	08/12/2020	7	7.4	7.4.5.1	2300035870	674	80	56.8	21	5.07	14	4.4	106	61.6	57.86	73.70	1	1	1	1	0	15.84	21.49662516
1231	08/12/2020	7	7.4	7.4.5.1	2300035764	659	49	34.7	30	2.7	15.7	1.3	81	20.4	25.20	73.60	1	1	1	1	1	48.41	65.76589886
1232	08/12/2020	7	7.4	7.4.5.1	2300037023	951	120	48.2	32	6.9	19.3	5.6	221	108.1	48.95	75.47	1	1	1	1	1	26.52	35.14281332
1233	08/12/2020	7	7.4	7.4.5.1	2300042206	954	135	55.2	32	6.8	21	5.8	218	121.8	55.97	75.49	1	1	1	1	1	19.52	25.85365166
1234	08/12/2020	7	7.4	7.4.5.1	2300037703	944	38	28.8	32	3.7	16.4	2.1	118	34.4	29.09	75.43	1	1	1	1	1	46.34	61.43608197
1235	08/12/2020	7	7.4	7.4.5.1	2300036565	941	29	28.6	32	2.8	16.1	1.6	90	25.8	28.75	75.41	1	1	1	1	1	46.66	61.87427395
1236	08/12/2020	7	7.4	7.4.5.1	2300037974	961	17	23	31	2.2	15.6	1.01	68	15.8	23.10	75.54	1	1	1	1	1	52.43	69.41522326
1237	08/12/2020	7	7.4	7.4.5.1	2300035657	965	127	52.5	31	6.8	21.1	5.3	211	111.8	53.05	75.56	1	1	1	1	1	22.51	29.79237629
1238	08/12/2020	7	7.4	7.4.5.1	2300035684	956	123	51.1	31	6.7	19.8	5.5	208	108.9	52.43	75.50	1	1	1	1	1	23.07	30.55849536
1239	08/12/2020	7	7.4	7.4.5.1	2300035886	951	9	26.5	32	1.05	16.2	0.5	34	8.1	24.11	75.47	1	1	1	1	1	51.37	68.05833277
1240	08/12/2020	7	7.4	7.4.5.1	2300035591	941	130	48.4	32	6.5	20.7	5.4	208	111.8	53.74	75.41	1	1	1	1	1	21.67	28.73421977
1241	08/12/2020	7	7.4	7.4.5.1	2300035558	920	92	38.4	32	6.7	21.6	3.2	214	69.1	32.24	75.27	1	1	1	1	1	43.04	57.17139255
1242	08/12/2020	7	7.4	7.4.5.1	2300035911	908	119	49.8	32	6.5	19.4	5.4	208	104.8	50.37	75.20	1	1	1	1	1	24.83	33.02226065
1243	08/12/2020	7	7.4	7.4.5.1	2300029178	958	25	24.7	32	2.9	15.8	1.4	93	22.1	23.84	75.52	1	1	1	1	1	51.68	68.43605576
1244	08/12/2020	7	7.4	7.4.5.1	2300029179	961	104	43.2	28	7.03	18.4	4.04	197	74.3	37.76	75.54	1	1	1	1	1	37.77	50.00465739
1245	08/12/2020	7	7.4	7.4.5.1	2300028217	961	13	19	31	1.4	16.3	0.5	43	8.2	18.78	75.54	1	1	1	1	1	56.76	75.13940055
1246	08/12/2020	7	7.4	7.4.5.2	2300029176	969	19	23.6	31	2.2	15.3	1.1	68	16.8	24.68	75.59	1	1	1	1	1	50.91	67.35255603
1247	08/12/2020	7	7.4	7.4.5.2	2300029091	905	27	29.3	31	2.7	15.5	1.6	84	24.8	29.63	75.18	1	1	1	1	1	45.55	60.58736648
1248	08/12/2020	7	7.4	7.4.5.2	2300028773	751	48	27.2	32	3.7	21.5	1.5	118	32.3	27.24	74.19	1	1	1	1	1	46.95	63.28710801
1249	08/12/2020	7	7.4	7.4.5.2	2300029090	769	102	44.4	32	6	18.8	4.5	192	84.6	44.06	74.31	1	1	1	1	1	30.25	40.70256609
1250	08/12/2020	7	7.4	7.4.5.2	2300028913	844	18	28.1	32	1.7	16.2	0.9	54	14.6	26.80	74.79	1	1	1	1	1	47.99	64.16321611
1251	08/12/2020	7	7.4	7.4.5.2	2300029093	844	106	46	32	6.7	18.9	4.7	214	88.8	41.43	74.79	1	1	1	1	1	33.36	44.60057151
1252	08/12/2020	7	7.4	7.4.5.2	2300016128	844	12	39.3	32	6.1	23	0.1	195	2.3	1.18	74.79	1	1	1	1	1	73.61	98.42449993
1253	08/12/2020	7	7.4	7.4.5.2	2300029045	853	72	39	32	4.2	20.1	2.6	134	52.3	38.88	74.85	1	1	1	1	1	35.96	48.04753201
1254	08/12/2020	7	7.4	7.4.5.2	2300028776	861	45	29.8	32	6.02	12.1	4.7	193	56.9	29.52	74.90	1	1	1	1	1	45.38	60.58370356
1255	08/12/2020	7	7.4	7.4.5.2	2300029089	864	44	34.8	32	2.2	13.3	1.3	70	17.3	24.56	74.92	1	1	1	1	1	50.36	67.21689596
1256	08/12/2020	7	7.4	7.4.5.2	2300028998	548	35	27.4	30	2.4	17.2	1.5	72	25.8	35.83	72.89	1	1	1	1	1	37.06	50.84132219
1257	08/12/2020	7	7.4	7.4.5.2	2300029095	861	39	29.3	31	3.7	16	2.1	115	33.6	29.29	74.90	1	1	1	1	1	45.60	60.88755943
1258	08/12/2020	7	7.4	7.4.5.2	2300029277	862	43	29.9	31	4.08	16.02	2.4	126	38.4	30.40	74.90	1	1	1	1	1	44.50	59.41609396
1259	08/12/2020	7	7.4	7.4.5.2	2300029010	861	20	20.2	31	2.02	24.4	1.3	63	31.7	50.65	74.90	1	1	1	1	1	24.24	32.36691898

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1260	08/12/2020	7	7.4	7.4.5.2	2300029762	851	20	25.6	30	2.2	15.6	1.1	66	17.2	26.00	74.83	1	1	1	1	1	48.83	65.25569139
1261	08/12/2020	7	7.4	7.4.5.2	2300029570	893	26	20.4	32	1.9	16.1	0.7	61	11.3	18.54	75.10	1	1	1	1	1	56.57	75.31839144
1262	08/12/2020	7	7.4	7.4.5.2	2300029629	955	97	41.4	31	6.7	18	4.9	208	88.2	42.47	75.50	1	1	1	1	1	33.03	43.75335256
1263	08/12/2020	7	7.4	7.4.5.2	2300029622	958	131	66.7	30	6	23.8	6.2	180	147.6	81.98	75.52	1	0	0	0	0	-6.46	-8.555107681
1264	08/12/2020	7	7.4	7.4.5.2	2300029725	929	27	25.8	31	2.1	15.9	0.6	65	9.5	14.65	75.33	1	1	1	1	1	60.68	80.5468384
1265	08/12/2020	7	7.4	7.4.5.2	2300029625	938	26	24.2	30	6.7	16.1	1.03	201	16.6	8.25	75.39	1	1	1	1	1	67.14	89.05645801
1266	08/12/2020	7	7.4	7.4.5.2	2300028881	948	135	50.9	31	6.1	23.5	4.6	189	108.1	57.17	75.45	1	1	1	1	0	18.29	24.23711534
1267	08/12/2020	7	7.4	7.4.5.2	2300028832	971	44	24.2	31	3.6	11.1	4.2	112	46.6	41.77	75.60	1	1	1	1	1	33.83	44.74342259
1268	08/12/2020	7	7.4	7.4.5.2	2300029519	971	49	28.5	31	7.1	11.9	2.9	220	34.5	15.68	75.60	1	1	1	1	1	59.92	79.26037863
1269	08/12/2020	7	7.4	7.4.5.2	2300029324	971	30	25.1	31	3.5	15.7	1.6	109	25.1	23.15	75.60	1	1	1	1	1	52.45	69.37572588
1270	08/12/2020	7	7.4	7.4.5.3	2300044051	955	103	48.1	31	6.5	17.9	5.1	202	91.3	45.31	75.50	1	1	1	1	1	30.19	39.99150849
1271	08/12/2020	7	7.4	7.4.5.3	15443510	957	45	30.6	30	3.2	15.4	2.9	96	44.7	46.52	75.51	1	1	1	1	1	28.99	38.39181503
1272	08/12/2020	7	7.4	7.4.5.3	2300035873	963	75	40.2	31	5.4	17.1	4.2	167	71.8	42.90	75.55	1	1	1	1	1	32.65	43.21154187
1273	08/12/2020	7	7.4	7.4.5.3	2300036332	978	26	24.3	31	1.5	15.5	0.7	47	10.9	23.33	75.65	1	1	1	1	1	52.31	69.15424464
1274	08/12/2020	7	7.4	7.4.5.3	2300035871	976	17	22.7	31	1.7	16.5	0.5	53	8.3	15.65	75.63	1	1	1	1	1	59.98	79.3016631
1275	08/12/2020	7	7.4	7.4.5.3	2300035882	964	93	38.9	31	7.03	20.2	6.2	218	125.2	57.47	75.56	1	1	1	1	0	18.09	23.93946404
1276	08/12/2020	7	7.4	7.4.5.3	2300035815	961	20	4.2	31	2.4	18.3	4.2	74	76.9	103.31	75.54	1	1	1	1	1	-27.77	-36.76380078
1277	08/12/2020	7	7.4	7.4.5.3	2300035752	964	122	49.4	31	6.8	19.7	5.4	211	106.4	50.46	75.56	1	1	1	1	1	25.09	33.20826565
1278	08/12/2020	7	7.4	7.4.5.3	2300035868	958	127	53.2	30	6.8	20.7	5.5	204	113.9	55.81	75.52	1	1	1	1	1	19.71	26.09786442
1279	08/12/2020	7	7.4	7.4.5.3	2300036540	965	100	40.5	31	7.09	17.5	6.2	220	108.5	49.37	75.56	1	1	1	1	1	26.20	34.66914157
1280	08/12/2020	7	7.4	7.4.5.3	2300035579	971	45	29.4	30	7.4	16	2.6	222	41.6	18.74	75.60	1	1	1	1	1	56.86	75.21343969
1281	08/12/2020	7	7.4	7.4.5.3	2300035629	978	138	55.3	30	7.1	20.9	6.04	213	126.2	59.27	75.65	1	1	1	1	0	16.38	21.65302266
1282	08/12/2020	7	7.4	7.4.5.3	2300035878	968	17	23.6	31	0.9	19.9	0.3	28	6.0	21.40	75.58	1	1	1	1	1	54.18	71.688926
1283	08/12/2020	7	7.4	7.4.5.3	2300035607	971	92	38.3	31	6.9	16.9	5	214	84.5	39.50	75.60	1	1	1	1	1	36.10	47.74572446
1284	08/12/2020	7	7.4	7.4.5.3	2300035642	965	44	28.9	31	4.4	15.7	2.5	136	39.3	28.78	75.56	1	1	1	1	1	46.79	61.91781607
1285	08/12/2020	7	7.4	7.4.5.3	2300037896	961	20	20.5	31	3.4	9.9	2.2	105	21.8	20.66	75.54	1	1	1	1	1	54.87	72.64347173
1286	08/12/2020	7	7.4	7.4.5.3	2300035875	970	72	32	30	6.1	14.6	4.3	183	62.8	34.31	75.59	1	1	1	1	1	41.29	54.61807693
1287	08/12/2020	7	7.4	7.4.5.3	2300035883	971	23	28	31	2.4	15	1.4	74	21.0	28.23	75.60	1	1	1	1	1	47.37	62.66447472
1288	08/12/2020	7	7.4	7.4.5.3	2300035715	974	82	39.2	31	6.2	13.2	5.8	192	76.6	39.83	75.62	1	1	1	1	1	35.79	47.32383302
1289	08/12/2020	7	7.4	7.4.5.3	2300035877	980	12	25.4	31	1.4	15.5	0.7	43	10.9	25.00	75.66	1	1	1	1	1	50.66	66.95656771

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1290	08/12/2020	7	7.4	7.4.5.3	2300029174	975	78	34.4	31	6.8	13.5	5.4	211	72.9	34.58	75.63	1	1	1	1	1	41.04	54.2716226
1291	08/12/2020	7	7.4	7.4.5.3	2300025880	981	91	38.1	30	7.1	13.9	6.1	213	84.8	39.81	75.66	1	1	1	1	1	35.86	47.38937765
1292	08/12/2020	7	7.4	7.4.5.3	2300029202	986	48	55.1	30	2.6	23.2	2.02	78	46.9	60.08	75.70	1	1	1	1	0	15.61	20.62759751
1293	08/12/2020	7	7.4	7.4.5.3	2300029175	977	100	41	31	7.07	14.8	6.2	219	91.8	41.87	75.64	1	1	1	1	1	33.77	44.64872017
1294	08/12/2020	7	7.4	7.4.5.4	2300029009	974	17	42.2	31	1.3	27.2	0.6	40	16.3	40.50	75.62	1	1	1	1	1	35.12	46.44737883
1295	08/12/2020	7	7.4	7.4.5.4	2300029558	971	12	22.7	30	0.7	15.3	0.3	21	4.6	21.86	75.60	1	1	1	1	1	53.74	71.08858834
1296	08/12/2020	7	7.4	7.4.5.4	2300028966	968	134	52.1	31	7.1	21.9	5.4	220	118.3	53.73	75.58	1	1	1	1	1	21.85	28.91073088
1297	08/12/2020	7	7.4	7.4.5.4	2300028982	974	48	29.6	31	4.6	15.7	2.8	143	44.0	30.83	75.62	1	1	1	1	1	44.79	59.23346661
1298	08/12/2020	7	7.4	7.4.5.4	2300029086	970	12	26.4	31	1.4	16.1	0.7	43	11.3	25.97	75.59	1	1	1	1	1	49.63	65.64840869
1299	08/12/2020	7	7.4	7.4.5.4	2300024911	971	14	23.2	30	6	15.8	4.3	180	67.9	37.74	75.60	1	1	1	1	1	37.86	50.07375034
1300	08/12/2020	7	7.4	7.4.5.4	2300029100	975	137	55.8	30	6.9	21.3	5.7	207	121.4	58.65	75.63	1	1	1	1	0	16.97	22.44443192
1301	08/12/2020	7	7.4	7.4.5.4	2300016129	975	107	45.3	30	6.8	18.7	5.1	204	95.4	46.75	75.63	1	1	1	1	1	28.88	38.1826356
1302	08/12/2020	7	7.4	7.4.5.4	2300028914	978	10	19	31	2.1	16.7	0.7	65	11.7	17.96	75.65	1	1	1	1	1	57.69	76.26156154
1303	08/12/2020	7	7.4	7.4.5.4	2300028970	977	35	49.6	18	3.3	12.5	2.5	59	31.3	52.61	75.64	1	1	1	1	1	23.03	30.44650681
1304	08/12/2020	7	7.4	7.4.5.4	2300025072	975	27	27.5	32	2.7	16.7	1.4	86	23.4	27.06	75.63	1	1	1	1	1	48.57	64.21841009
1305	08/12/2020	7	7.4	7.4.5.4	2300029628	959	26	21.8	32	2.09	16.2	0.9	67	14.6	21.80	75.52	1	1	1	1	1	53.72	71.1345338
1306	08/12/2020	7	7.4	7.4.5.4	2300029092	961	16	21.7	32	2.6	16	1.2	83	19.2	23.08	75.54	1	1	1	1	1	52.46	69.44926807
1307	08/12/2020	7	7.4	7.4.5.4	2300029627	968	48	29.5	30	4.9	15.8	2.9	147	45.8	31.17	75.58	1	1	1	1	1	44.41	58.75949571
1308	08/12/2020	7	7.4	7.4.5.4	2300029624	971	137	57	31	6.6	22.8	5.3	205	120.8	59.06	75.60	1	1	1	1	0	16.54	21.87662555
1309	08/12/2020	7	7.4	7.4.5.4	2300028763	970	126	50.7	31	6.9	20.8	5.9	214	122.7	57.37	75.59	1	1	1	1	0	18.22	24.10428867
1310	08/12/2020	7	7.4	7.4.5.4	2300028749	963	48	22.9	31	6.1	14.3	3.1	189	44.3	23.44	75.55	1	1	1	1	1	52.11	68.9703889
1311	08/12/2020	7	7.4	7.4.5.4	2300028685	973	95	38.4	31	7.2	14.1	6.2	223	87.4	39.17	75.61	1	1	1	1	1	36.45	48.20128408
1312	08/12/2020	7	7.4	7.4.5.4	2300028737	989	26	30.9	31	2.3	24.5	1.9	71	46.6	65.29	75.72	1	1	0	0	0	10.43	13.77270004
1313	08/12/2020	7	7.4	7.4.5.4	2300029565	985	17	25.6	31	1.1	16.4	0.5	34	8.2	24.05	75.69	1	1	1	1	1	51.64	68.22972543
1314	08/12/2020	7	7.4	7.4.5.4	2300029200	978	49	19.5	31	3.06	15.8	1.98	95	31.3	32.98	75.65	1	1	1	1	1	42.67	56.40288196
1315	08/12/2020	7	7.4	7.4.5.4	2300029317	971	95	57.7	20	7.1	14	6.2	142	86.8	61.13	75.60	1	1	1	0	0	14.47	19.14492441
1316	08/12/2020	7	7.4	7.4.5.4	2300029585	964	95	39.3	30	7.1	14.3	6.2	213	88.7	41.62	75.56	1	1	1	1	1	33.93	44.90889736
1317	08/12/2020	7	7.4	7.4.5.4	2300029623	965	21	24.1	31	2.7	15.4	1.3	84	20.0	23.92	75.56	1	1	1	1	1	51.64	68.34552094
1318	08/12/2020	7	7.4	7.4.6.2	2300035188	968	44	28.3	31	4.5	15.5	2.6	140	40.3	28.89	75.58	1	1	1	1	1	46.69	61.77767899
1319	08/12/2020	7	7.4	7.4.6.2	23000	983	22	25.2	32	2.5	15.8	1.2	80	19.0	23.70	75.68	1	1	1	1	1	51.98	68.68277368

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1320	08/12/2020	7	7.4	7.4.6.2	2300037548	974	49	24.1	30	3.1	20.6	2.04	93	42.0	45.19	75.62	1	1	1	1	1	30.43	40.24420022
1321	08/12/2020	7	7.4	7.4.6.2	2300035181	981	32	23.7	31	1.4	15.3	0.7	43	10.7	24.68	75.66	1	1	1	1	1	50.99	67.38569346
1322	08/12/2020	7	7.4	7.4.6.2	2300037560	978	41	21.5	31	2.3	19.7	1.6	71	31.5	44.21	75.65	1	1	1	1	1	31.44	41.55931423
1323	08/12/2020	7	7.4	7.4.6.2	2300035186	975	91	56.8	31	6.7	14.2	5.8	208	82.4	39.65	75.63	1	1	1	1	1	35.97	47.56651658
1324	08/12/2020	7	7.4	7.4.6.2	2300037433	976	26	20.9	28	2.5	14.9	1.1	70	16.4	23.41	75.63	1	1	1	1	1	52.22	69.04199032
1325	08/12/2020	7	7.4	7.4.6.2	23000	968	137	53.7	31	7.2	20	6.1	223	122.0	54.66	75.58	1	1	1	1	1	20.92	27.68109238
1326	08/12/2020	7	7.4	7.4.6.2	2300045962	989	137	14.4	30	2.8	16.1	0.8	84	12.9	15.33	75.72	1	1	1	1	1	60.38	79.7487792
1327	08/12/2020	7	7.4	7.4.6.2	2300037440	968	126	52.1	30	7.4	20.6	5.6	222	115.4	51.96	75.58	1	1	1	1	1	23.62	31.24750075
1328	08/12/2020	7	7.4	7.4.6.2	2300035203	974	24	24.6	30	1.8	15.9	0.9	54	14.3	26.50	75.62	1	1	1	1	1	49.12	64.95617538
1329	08/12/2020	7	7.4	7.4.6.2	23000	981	129	51.4	31	7.2	20.7	5.6	223	115.9	51.94	75.66	1	1	1	1	1	23.73	31.36074049
1330	08/12/2020	7	7.4	7.4.6.2	2300035013	987	8	27.2	31	0.8	15.8	0.4	25	6.3	25.48	75.70	1	1	1	1	1	50.22	66.33695059
1331	08/12/2020	7	7.4	7.4.6.2	2300036549	985	126	40.6	30	7.1	20.3	5.6	213	113.7	53.37	75.69	1	1	1	1	1	22.32	29.48752541
1332	08/12/2020	7	7.4	7.4.6.2	23000	972	17	27.2	31	1.8	16.3	0.9	56	14.7	26.29	75.61	1	1	1	1	1	49.32	65.22756871
1333	08/12/2020	7	7.4	7.4.6.2	2300036678	968	9	26.3	31	1.05	16	0.5	33	8.0	24.58	75.58	1	1	1	1	1	51.00	67.48189634
1334	08/12/2020	7	7.4	7.4.6.2	2300035876	967	17	21.2	32	1.6	16.4	0.7	51	11.5	22.42	75.57	1	1	1	1	1	53.15	70.3315457
1335	08/12/2020	7	7.4	7.4.6.2	2300036676	961	125	49.1	31	6.6	23.8	4.4	205	104.7	51.18	75.54	1	1	1	1	1	24.35	32.24088559
1336	08/12/2020	7	7.4	7.4.6.2	2300035184	974	16	18.36	31	4.4	15.8	1.6	136	25.3	18.53	75.62	1	1	1	1	1	57.09	75.49084584
1337	08/12/2020	7	7.4	7.4.6.2	2300035156	978	133	45.9	31	6.7	21.4	5.6	208	119.8	57.70	75.65	1	1	1	1	0	17.95	23.72469931
1338	08/12/2020	7	7.4	7.4.6.2	2300034569	981	20	27.2	31	2.09	16.5	1.1	65	18.2	28.01	75.66	1	1	1	1	1	47.65	62.97653541
1339	08/12/2020	7	7.4	7.4.6.2	2300035379	975	25	27.8	30	2.5	16	1.4	75	22.4	29.87	75.63	1	1	1	1	1	45.76	60.50740927
1340	08/12/2020	7	7.4	7.4.6.2	2300035022	968	22	27.8	31	2.1	17.4	1.1	65	19.1	29.40	75.58	1	1	1	1	1	46.18	61.10021849
1341	08/12/2020	7	7.4	7.4.6.2	2300035006	966	22	28.2	31	2.3	15.4	1.3	71	20.0	28.08	75.57	1	1	1	1	1	47.49	62.84354125
1342	08/12/2020	7	7.4	7.4.6.1	2300036417	968	26	27	31	2.8	24.8	1.7	87	42.2	48.57	75.58	1	1	1	1	1	27.01	35.73609764
1343	08/12/2020	7	7.4	7.4.6.1	2300037572	959	49	33.9	31	4.4	14.2	3.4	136	48.3	35.40	75.52	1	1	1	1	1	40.13	53.13267055
1344	08/12/2020	7	7.4	7.4.6.1	NA	964	20	27.8	31	2.2	15.3	1.2	68	18.4	26.92	75.56	1	1	1	1	1	48.63	64.36952243
1345	08/12/2020	7	7.4	7.4.6.1	2300036449	961	15	24.3	31	2.5	16.3	1.2	78	19.6	25.24	75.54	1	1	1	1	1	50.30	66.58735434
1346	08/12/2020	7	7.4	7.4.6.1	2300038088	958	24	36	31	1.9	16.6	1.3	59	21.6	36.64	75.52	1	1	1	1	1	38.88	51.48341024
1347	08/12/2020	7	7.4	7.4.6.1	2300037447	955	26	22	31	3.7	11	2.4	115	26.4	23.02	75.50	1	1	1	1	1	52.48	69.51367592
1348	08/12/2020	7	7.4	7.4.6.1	NA	954	87	39.4	31	6.6	14.2	5.8	205	82.4	40.25	75.49	1	1	1	1	1	35.24	46.67730655
1349	08/12/2020	7	7.4	7.4.6.1	2300036853	863	27	28.1	32	2.4	14.4	1.1	77	15.8	20.63	74.91	1	1	1	1	1	54.28	72.46666631

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1350	08/12/2020	7	7.4	7.4.6.1	2300036498	890	19	25.5	32	2.2	15.7	1.1	70	17.3	24.53	75.08	1	1	1	1	1	50.55	67.32738872
1351	08/12/2020	7	7.4	7.4.6.1	2300035791	844	19	28	32	1.8	16.5	0.9	58	14.9	25.78	74.79	1	1	1	1	1	49.01	65.52737352
1352	08/12/2020	7	7.4	7.4.6.1	2300036476	845	17	23.2	32	2.9	16.4	1.3	93	21.3	22.97	74.79	1	1	1	1	1	51.82	69.28344796
1353	08/12/2020	7	7.4	7.4.6.1	2300036954	877	36	29.3	32	3.2	16.8	1.8	102	30.2	29.53	75.00	1	1	1	1	1	45.47	60.62436999
1354	08/12/2020	7	7.4	7.4.6.1	2300036579	886	20	26.5	31	2	16.4	1.1	62	18.0	29.10	75.06	1	1	1	1	1	45.96	61.23345352
1355	08/12/2020	7	7.4	7.4.6.1	2300036111	879	18	18.5	32	2.1	15.4	2.6	67	40.0	59.58	75.01	1	1	1	1	0	15.43	20.56784106
1356	08/12/2020	7	7.4	7.4.6.1	2300036613	873	12	27.7	32	3.4	18.7	1.7	109	31.8	29.22	74.97	1	1	1	1	1	45.75	61.02774058
1357	08/12/2020	7	7.4	7.4.6.1	2300036931	891	46	30.2	31	4.1	16.7	2.4	127	40.1	31.53	75.09	1	1	1	1	1	43.55	58.00386608
1358	08/12/2020	7	7.4	7.4.6.1	2300036943	903	42	23.8	32	3.2	18.5	2.1	102	38.9	37.94	75.17	1	1	1	1	1	37.23	49.52524157
1359	08/12/2020	7	7.4	7.4.6.1	2300035361	912	132	56.6	32	6.2	21.7	5.2	198	112.8	56.88	75.22	1	1	1	1	0	18.35	24.39127499
1360	08/12/2020	7	7.4	7.4.6.1	NA	902	28	23.5	30	4.7	11.1	3.2	141	35.5	25.19	75.16	1	1	1	1	1	49.97	66.48231563
1361	08/12/2020	7	7.4	7.4.6.1	2300035860	893	20	20.1	32	2.4	10.1	1.4	77	14.1	18.41	75.10	1	1	1	1	1	56.69	75.48446851
1362	08/12/2020	7	7.4	7.4.6.1	2300035378	913	25	24	32	2.4	16.4	1.1	77	18.0	23.49	75.23	1	1	1	1	1	51.74	68.77597617
1363	08/12/2020	7	7.4	7.4.6.1	2300035357	912	43	33.5	30	2.9	21	1.5	87	31.5	36.21	75.22	1	1	1	1	1	39.02	51.86712466
1364	08/12/2020	7	7.4	7.4.6.1	2300035451	893	89	45.4	31	5.6	20	4.08	174	81.6	47.00	75.10	1	1	1	1	1	28.10	37.4116415
1365	08/12/2020	7	7.4	7.4.6.3	2300036524	925	135	55.5	32	6.5	21.4	5.4	208	115.6	55.56	75.31	1	1	1	1	1	19.75	26.22408267
1366	08/12/2020	7	7.4	7.4.6.3	2300036412	891	32	28.8	32	2.2	15.8	1.8	70	28.4	40.40	75.09	1	1	1	1	1	34.69	46.19977617
1367	08/12/2020	7	7.4	7.4.6.3	2300035754	900	32	28.1	31	3.2	16.4	1.7	99	27.9	28.10	75.15	1	1	1	1	1	47.04	62.59968766
1368	08/12/2020	7	7.4	7.4.6.3	2300036409	944	131	55.2	32	6.6	21	5.2	211	109.2	51.70	75.43	1	1	1	1	1	23.72	31.45142434
1369	08/12/2020	7	7.4	7.4.6.3	2300035777	930	124	52.9	31	6.5	21.6	2.1	202	45.4	22.51	75.34	1	1	1	1	1	52.83	70.11977189
1370	08/12/2020	7	7.4	7.4.6.3	2300035874	978	128	51.8	32	6.9	21.1	5.5	221	116.1	52.56	75.65	1	1	1	1	1	23.09	30.5192176
1371	08/12/2020	7	7.4	7.4.6.3	2300036483	974	36	27.7	32	3.7	15.8	2.1	118	33.2	28.02	75.62	1	1	1	1	1	47.60	62.9412895
1372	08/12/2020	7	7.4	7.4.6.3	2300035559	976	26	22.3	31	2.4	16.6	1.3	74	21.6	29.01	75.63	1	1	1	1	1	46.63	61.64953599
1373	08/12/2020	7	7.4	7.4.6.3	2300036821	945	13	16.1	31	2.3	17	0.7	71	11.9	16.69	75.43	1	1	1	1	1	58.74	77.87464263
1374	08/12/2020	7	7.4	7.4.6.3	2300036125	944	25	28.3	31	2.4	16.2	1.4	74	22.7	30.48	75.43	1	1	1	1	1	44.94	59.58525663
1375	08/12/2020	7	7.4	7.4.6.3	2300036966	934	20	22.4	31	2.5	15.9	1.2	78	19.1	24.62	75.36	1	1	1	1	1	50.74	67.33256527
1376	08/12/2020	7	7.4	7.4.6.3	2300036715	972	138	57.6	32	6.7	21.9	5.6	214	122.6	57.20	75.61	1	1	1	1	0	18.41	24.34345517
1377	08/12/2020	7	7.4	7.4.6.3	2300036912	958	84	36	31	6.7	16.7	4.6	208	76.8	36.99	75.52	1	1	1	1	1	38.53	51.02302846
1378	08/12/2020	7	7.4	7.4.6.3	2300036947	955	36	25.9	31	3.9	16.4	1.9	121	31.2	25.77	75.50	1	1	1	1	1	49.72	65.86218652
1379	08/12/2020	7	7.4	7.4.6.3	2300036916	961	43	29	32	2.1	16	1.3	67	20.8	30.95	75.54	1	1	1	1	1	44.58	59.02322463

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1380	08/12/2020	7	7.4	7.4.6.3	2300035578	968	128	53.5	32	6.8	19.8	5.9	218	116.8	53.69	75.58	1	1	1	1	1	21.90	28.96955623
1381	08/12/2020	7	7.4	7.4.6.3	2300035628	971	81	34.6	31	6.6	16.8	4.4	205	73.9	36.13	75.60	1	1	1	1	1	39.47	52.21052765
1382	08/12/2020	7	7.4	7.4.6.3	2300035200	974	36	19.2	31	1.3	15.6	0.5	40	7.8	19.35	75.62	1	1	1	1	1	56.26	74.40499724
1383	08/12/2020	7	7.4	7.4.6.3	2300035350	971	46	30.4	31	5.3	15.3	1.4	164	21.4	13.04	75.60	1	1	1	1	1	62.56	82.75521399
1384	08/12/2020	7	7.4	7.4.6.3	2300035351	975	85	35.1	31	6.9	17.4	4.4	214	76.6	35.79	75.63	1	1	1	1	1	39.83	52.67179757
1385	08/12/2020	7	7.4	7.4.6.4	2300036969	981	25	26.9	31	2.7	15.8	1.5	84	23.7	28.32	75.66	1	1	1	1	1	47.35	62.57762939
1386	08/12/2020	7	7.4	7.4.6.4	2300038018	980	115	49.1	31	6.7	19.1	5.5	208	105.1	50.58	75.66	1	1	1	1	1	25.08	33.14949327
1387	08/12/2020	7	7.4	7.4.6.4	2300035178	977	123	49.2	30	7.1	19.3	5.8	213	111.9	52.55	75.64	1	1	1	1	1	23.08	30.51979856
1388	08/12/2020	7	7.4	7.4.6.4	2300035172	971	131	57.6	31	7.2	22.9	6.09	223	139.5	62.48	75.60	1	1	1	0	0	13.12	17.35159221
1389	08/12/2020	7	7.4	7.4.6.4	2300038004	849	29	28.1	32	2.9	16.4	1.6	93	26.2	28.28	74.82	1	1	1	1	1	46.54	62.20794809
1390	08/12/2020	7	7.4	7.4.6.4	2300037890	842	131	52.9	32	6.3	21.7	4.7	202	102.0	50.59	74.77	1	1	1	1	1	24.18	32.34314531
1391	08/12/2020	7	7.4	7.4.6.4	2300036495	858	48	29.8	32	3.3	16.8	2.09	106	35.1	33.25	74.88	1	1	1	1	1	41.63	55.59395918
1392	08/12/2020	7	7.4	7.4.6.4	2300045960	844	48	30.7	32	3.01	16.7	1.9	96	31.7	32.94	74.79	1	1	1	1	1	41.85	55.95222236
1393	08/12/2020	7	7.4	7.4.6.4	2300046015	877	134	53.4	32	6.3	21.8	5	202	109.0	54.07	75.00	1	1	1	1	1	20.93	27.90889945
1394	08/12/2020	7	7.4	7.4.6.4	2300046056	843	49	31.2	32	3.8	17	2.5	122	42.5	34.95	74.78	1	1	1	1	1	39.83	53.26277474
1395	08/12/2020	7	7.4	7.4.6.4	2300035865	854	84	37.9	32	6.06	17.6	4.2	194	73.9	38.12	74.85	1	1	1	1	1	36.73	49.07415221
1396	08/12/2020	7	7.4	7.4.6.4	2300035851	531	38	21.1	31	3.4	10.6	2.3	105	24.4	23.13	72.78	1	1	1	1	1	49.65	68.21993478
1397	08/12/2020	7	7.4	7.4.6.4	2300038008	854	77	36	31	6.07	16.8	4.2	188	70.6	37.50	74.85	1	1	1	1	1	37.35	49.90353296
1398	08/12/2020	7	7.4	7.4.6.4	2300035182	852	74	35.9	31	5.9	16.5	4.2	183	69.3	37.89	74.84	1	1	1	1	1	36.95	49.37177355
1399	08/12/2020	7	7.4	7.4.6.4	2300038024	864	20	27.8	32	1.8	17.2	0.9	58	15.5	26.88	74.92	1	1	1	1	1	48.04	64.12629679
1400	08/12/2020	7	7.4	7.4.6.4	2300034956	814	36	28.7	32	3.4	16.5	1.9	109	31.4	28.81	74.60	1	1	1	1	1	45.78	61.37260343
1401	08/12/2020	7	7.4	7.4.6.4	2300035004	807	35	29.1	32	3.6	15.9	2.1	115	33.4	28.98	74.55	1	1	1	1	1	45.57	61.12130923
1402	08/12/2020	7	7.4	7.4.6.4	2300035179	817	31	26.8	32	3.3	16	1.7	106	27.2	25.76	74.61	1	1	1	1	1	48.86	65.47926717
1403	08/12/2020	7	7.4	7.4.6.4	2300035011	825	45	29.7	32	4.2	16.4	2.5	134	41.0	30.51	74.67	1	1	1	1	1	44.16	59.14344898
1404	08/12/2020	7	7.4	7.4.6.4	2300035201	816	45	26.7	32	3	16.8	2.5	96	42.0	43.75	74.61	1	1	1	1	1	30.86	41.36049024
1405	08/12/2020	7	7.4	7.4.6.4	2300035415	830	41	29.7	32	3.7	16.7	2.1	118	35.1	29.62	74.70	1	1	1	1	1	45.08	60.3470877
1406	08/12/2020	7	7.4	7.4.6.4	2300035416	832	43	24.3	25	3.1	13.8	1.6	78	22.1	28.49	74.71	1	1	1	1	1	46.22	61.86585797
1407	09/12/2020	8	8.1	8.1.3.1	2300034509	833	79	54.5	21	5.7	13.4	5.02	120	67.3	56.20	74.72	1	1	1	1	0	18.52	24.7868502
1408	09/12/2020	8	8.1	8.1.3.1	2300038105	857	48	19.3	32	3.1	16.8	1.9	99	31.9	32.18	74.87	1	1	1	1	1	42.69	57.0227387
1409	09/12/2020	8	8.1	8.1.3.1	2300034967	964	33	22.1	31	4.9	19	3.3	152	62.7	41.28	75.56	1	1	1	1	1	34.28	45.3685021

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1410	09/12/2020	8	8.1	8.1.3.1	2300034974	965	122	47.5	32	7.2	14.5	5.9	230	85.6	37.13	75.56	1	1	1	1	1	38.43	50.86011965
1411	09/12/2020	8	8.1	8.1.3.1	2300034981	963	89	40.5	32	6.8	15.9	5.1	218	81.1	37.27	75.55	1	1	1	1	1	38.28	50.67370005
1412	09/12/2020	8	8.1	8.1.3.1	2300037569	958	43	29	32	4.3	17.77	2.5	138	44.4	32.29	75.52	1	1	1	1	1	43.23	57.24734171
1413	09/12/2020	8	8.1	8.1.3.1	2300035295	960	21	27.5	32	2.09	24	1.06	67	25.4	38.04	75.53	1	1	1	1	1	37.49	49.6381868
1414	09/12/2020	8	8.1	8.1.3.1	2300036343	954	115	46.4	32	6.9	24.6	5.5	221	135.3	61.28	75.49	1	1	1	0	0	14.21	18.82914932
1415	09/12/2020	8	8.1	8.1.3.1	2300035287	958	19	20	32	3.4	17.7	2.1	109	37.2	34.16	75.52	1	1	1	1	1	41.35	54.760501
1416	09/12/2020	8	8.1	8.1.3.1	2300035698	969	96	39.8	32	6.8	16.4	5.03	218	82.5	37.91	75.59	1	1	1	1	1	37.68	49.84636836
1417	09/12/2020	8	8.1	8.1.3.1	2300035285	963	31	27.6	32	3.2	15.9	1.8	102	28.6	27.95	75.55	1	1	1	1	1	47.60	63.00527504
1418	09/12/2020	8	8.1	8.1.3.1	2300037501	957	26	24.1	32	2.9	23.9	1.4	93	33.5	36.06	75.51	1	1	1	1	1	39.45	52.25049333
1419	09/12/2020	8	8.1	8.1.3.1	2300035683	972	26	24.2	30	2.4	16.7	1.1	72	18.4	25.51	75.61	1	1	1	1	1	50.09	66.25450503
1420	09/12/2020	8	8.1	8.1.3.1	2300035289	967	27	20.6	32	4.4	10.9	2.7	141	29.4	20.90	75.57	1	1	1	1	1	54.67	72.34264777
1421	09/12/2020	8	8.1	8.1.3.1	2300035290	951	6	18.7	31	1.2	10.6	0.7	37	7.4	19.95	75.47	1	1	1	1	1	55.53	73.57148234
1422	09/12/2020	8	8.1	8.1.3.1	2300035291	944	15	21.9	31	1.3	16.4	0.5	40	8.2	20.35	75.43	1	1	1	1	1	55.08	73.02394012
1423	09/12/2020	8	8.1	8.1.3.1	2300037541	975	83	3.7	32	6.3	18.5	4.1	202	75.9	37.62	75.63	1	1	1	1	1	38.00	50.24990356
1424	09/12/2020	8	8.1	8.1.3.1	2300035462	981	17	24.3	32	2.3	17.5	1.06	74	18.6	25.20	75.66	1	1	1	1	1	50.46	66.69000964
1425	09/12/2020	8	8.1	8.1.3.1	2300035493	956	85	35.5	32	7.1	13.8	5.9	227	81.4	35.84	75.50	1	1	1	1	1	39.67	52.53751092
1426	09/12/2020	8	8.1	8.1.3.1	2300036805	977	37	34.3	32	3.7	24.5	1.7	118	41.7	35.18	75.64	1	1	1	1	1	40.46	53.49296279
1427	09/12/2020	8	8.1	8.1.3.1	2300036350	957	23.5	27.2	32	2.4	15.9	1.3	77	20.7	26.91	75.51	1	1	1	1	1	48.60	64.35733365
1428	09/12/2020	8	8.1	8.1.3.3	2300035561	966	87	35.9	32	7.1	13.7	6.1	227	83.6	36.78	75.57	1	1	1	1	1	38.79	51.32546088
1429	09/12/2020	8	8.1	8.1.3.3	2300035611	970	35	21.5	32	5.3	10.4	3.6	170	37.4	22.08	75.59	1	1	1	1	1	53.52	70.79732294
1430	09/12/2020	8	8.1	8.1.3.3	2300034508	965	26	26.9	31	2.8	16.6	1.4	87	23.2	26.77	75.56	1	1	1	1	1	48.79	64.56658962
1431	09/12/2020	8	8.1	8.1.3.3	2300034968	964	124	50.4	31	7.01	19.5	5.8	217	113.1	52.05	75.56	1	1	1	1	1	23.51	31.11633684
1432	09/12/2020	8	8.1	8.1.3.3	2300034969	972	39	24.4	31	4.8	14.1	2.7	149	38.1	25.58	75.61	1	1	1	1	1	50.02	66.16087783
1433	09/12/2020	8	8.1	8.1.3.3	2300035077	976	24	20.7	31	2.3	16.8	0.9	71	15.1	21.21	75.63	1	1	1	1	1	54.43	71.96152561
1434	09/12/2020	8	8.1	8.1.3.3	2300035593	965	43	35.8	30	6.05	28.2	2.7	182	76.1	41.95	75.56	1	1	1	1	1	33.61	44.48212961
1435	09/12/2020	8	8.1	8.1.3.3	2300035294	904	35	23	30	2.2	24	1	66	24.0	36.36	75.17	1	1	1	1	1	38.81	51.62583161
1436	09/12/2020	8	8.1	8.1.3.3	2300036463	957	17	25.8	31	1.9	15.2	1.03	59	15.7	26.58	75.51	1	1	1	1	1	48.93	64.79888286
1437	09/12/2020	8	8.1	8.1.3.3	2300036342	975	16	23.7	30	1.5	22.8	0.7	45	16.0	35.47	75.63	1	1	1	1	1	40.16	53.10254851
1438	09/12/2020	8	8.1	8.1.3.3	2300036344	984	45	31.2	31	3.7	10.6	2	115	21.2	18.48	75.68	1	1	1	1	1	57.20	75.57859414
1439	09/12/2020	8	8.1	8.1.3.3	2300036614	975	11	19.2	31	1.9	22.7	1.1	59	25.0	42.39	75.63	1	1	1	1	1	33.23	43.94270761

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1440	09/12/2020	8	8.1	8.1.3.3	2300036815	986	26	23.7	30	2.8	14.8	1.3	84	19.2	22.90	75.70	1	1	1	1	1	52.79	69.74127976
1441	09/12/2020	8	8.1	8.1.3.3	2300036873	964	26	20.2	31	1.5	20	2.4	47	48.0	103.23	75.56	1	1	1	1	1	-27.67	-36.62231053
1442	09/12/2020	8	8.1	8.1.3.3	2300035681	966	120	50.9	31	6.8	16.3	5.4	211	88.0	41.76	75.57	1	1	1	1	1	33.81	44.74513392
1443	09/12/2020	8	8.1	8.1.3.3	2300036587	967	13	23.9	30	1.1	15.5	0.5	33	7.8	23.48	75.57	1	1	1	1	1	52.09	68.92502728
1444	09/12/2020	8	8.1	8.1.3.3	2300036094	985	20	27.4	30	2.2	23.1	1.2	66	27.7	42.00	75.69	1	1	1	1	1	33.69	44.51050337
1445	09/12/2020	8	8.1	8.1.3.3	2300036597	974	20	59.4	32	2.1	18.6	2.4	67	44.6	66.43	75.62	1	1	0	0	0	9.19	12.15429409
1446	09/12/2020	8	8.1	8.1.3.3	2300036640	977	112	20.4	31	6.7	21.6	5.9	208	127.4	61.36	75.64	1	1	1	0	0	14.28	18.8806175
1447	09/12/2020	8	8.1	8.1.3.3	2300036601	964	132	47.8	32	6.5	23.5	5.7	208	134.0	64.40	75.56	1	1	0	0	0	11.16	14.76602864
1448	09/12/2020	8	8.1	8.1.3.3	2300035779	983	17	26.4	31	1.8	23.1	1.02	56	23.6	42.23	75.68	1	1	1	1	1	33.45	44.20273682
1449	09/12/2020	8	8.1	8.1.3.3	2300036527	746	23	26.8	31	2.2	16.4	1.2	68	19.7	28.86	74.16	1	1	1	1	1	45.30	61.08933476
1450	09/12/2020	8	8.1	8.1.3.3	2300037553	751	27	24.9	33	2.9	16.1	1.5	96	24.2	25.24	74.19	1	1	1	1	1	48.96	65.98693435
1451	09/12/2020	8	8.1	8.1.3.3	2300035702	761	12	21.4	32	1.5	17	0.6	48	10.2	21.25	74.26	1	1	1	1	1	53.01	71.38293804
1452	09/12/2020	8	8.1	8.1.3.2	2300034543	758	69	70.1	31	5.2	25	4.7	161	117.5	72.89	74.24	0	0	0	0	0	1.35	1813620586
1453	09/12/2020	8	8.1	8.1.3.2	2300037511	768	134	58.2	32	5.3	21.6	4.7	170	101.5	59.86	74.30	1	1	1	0	0	14.44	19.43805677
1454	09/12/2020	8	8.1	8.1.3.2	2300037510	771	32	21.9	31	2.2	24.6	0.9	68	22.1	32.46	74.32	1	1	1	1	1	41.86	56.31974114
1455	09/12/2020	8	8.1	8.1.3.2	2300034914	779	134	58.4	31	5.4	19.6	4.8	167	94.1	56.20	74.37	1	1	1	1	0	18.17	24.43255645
1456	09/12/2020	8	8.1	8.1.3.2	2300036494	784	109	50.4	31	5.3	23.5	4.4	164	103.4	62.93	74.40	1	1	1	0	0	11.47	15.41584286
1457	09/12/2020	8	8.1	8.1.3.2	2300037480	781	20	20.2	32	2.4	24.4	1.6	77	39.0	50.83	74.38	1	1	1	1	1	23.55	31.66129816
1458	09/12/2020	8	8.1	8.1.3.2	2300037434	804	20	20.5	30	4.8	16.9	2.4	144	40.6	28.17	74.53	1	1	1	1	1	46.36	62.20842345
1459	09/12/2020	8	8.1	8.1.3.2	2300037551	795	22	24.9	32	3.2	22.4	1.5	102	33.6	32.81	74.47	1	1	1	1	1	41.66	55.94099954
1460	09/12/2020	8	8.1	8.1.3.2	2300036492	986	34	25.6	32	3.3	16.5	1.9	106	31.4	29.69	75.70	1	1	1	1	1	46.01	60.78082974
1461	09/12/2020	8	8.1	8.1.3.2	2300035062	991	22.5	21	31	3.1	11.3	1.9	96	21.5	22.34	75.73	1	1	1	1	1	53.39	70.49810753
1462	09/12/2020	8	8.1	8.1.3.2	2300037552	983	26	21.2	32	2.4	16	1.06	77	17.0	22.08	75.68	1	1	1	1	1	53.59	70.81904017
1463	09/12/2020	8	8.1	8.1.3.2	2300035069	989	31	20.1	31	4.6	10.7	2.8	143	30.0	21.01	75.72	1	1	1	1	1	54.71	72.25166588
1464	09/12/2020	8	8.1	8.1.3.2	2300035817	997	45	38.2	31	4.1	19.4	2.6	127	50.4	39.69	75.77	1	1	1	1	1	36.08	47.6217985
1465	09/12/2020	8	8.1	8.1.3.2	NA	993	31	31.2	31	2.4	21.1	1.1	74	23.2	31.20	75.74	1	1	1	1	1	44.54	58.81206456
1466	09/12/2020	8	8.1	8.1.3.2	2300035711	995	28	28.6	31	2.8	23.3	1.1	87	25.6	29.53	75.75	1	1	1	1	1	46.23	61.02166253
1467	09/12/2020	8	8.1	8.1.3.4	2300035652	993	20	31.6	31	1.8	18.8	1.01	56	19.0	34.03	75.74	1	1	1	1	1	41.71	55.072439
1468	09/12/2020	8	8.1	8.1.3.4	2300036859	995	93	43.7	32	6.4	18.5	4.6	205	85.1	41.55	75.75	1	1	1	1	1	34.20	45.1478016
1469	09/12/2020	8	8.1	8.1.3.4	2300037517	993	41	25.5	32	2.7	22.6	0.9	86	20.3	23.54	75.74	1	1	1	1	1	52.20	68.91828138

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1470	09/12/2020	8	8.1	8.1.3.4	2300037454	997	131	60.3	32	6.3	22.1	5.5	202	121.6	60.29	75.77	1	1	1	1	0	15.47	20.42337973
1471	09/12/2020	8	8.1	8.1.3.4	2300036405	1000	22	25.8	31	2.5	15.4	1.3	78	20.0	25.83	75.79	1	1	1	1	1	49.95	65.91420834
1472	09/12/2020	8	8.1	8.1.3.4	2300036740	987	19	26.8	31	2.1	16	1.4	65	22.4	34.41	75.70	1	1	1	1	1	41.29	54.54778139
1473	09/12/2020	8	8.1	8.1.3.4	2300036628	994	16	24.3	32	1.6	16.5	0.7	51	11.6	22.56	75.75	1	1	1	1	1	53.19	70.21873465
1474	09/12/2020	8	8.1	8.1.3.4	2300036450	996	32	29	32	3.3	16.5	1.8	106	29.7	28.13	75.76	1	1	1	1	1	47.64	62.87638397
1475	09/12/2020	8	8.1	8.1.3.4	2300036819	969	23	25.6	31	2.6	15.8	1.3	81	20.5	25.48	75.59	1	1	1	1	1	50.10	66.2856461
1476	09/12/2020	8	8.1	8.1.3.4	2300036818	980	26	27.2	31	2.7	15.4	1.5	84	23.1	27.60	75.66	1	1	1	1	1	48.06	63.52194572
1477	09/12/2020	8	8.1	8.1.3.4	2300036952	989	17	27.1	31	1.8	16.2	1	56	16.2	29.03	75.72	1	1	1	1	1	46.68	61.65617381
1478	09/12/2020	8	8.1	8.1.3.4	2300036566	989	22	22.4	31	3.6	15.9	1.6	112	25.4	22.80	75.72	1	1	1	1	1	52.92	69.89299573
1479	09/12/2020	8	8.1	8.1.3.4	2300036946	967	26	25.1	31	2.5	13	1.2	78	15.6	20.13	75.57	1	1	1	1	1	55.45	73.36541776
1480	09/12/2020	8	8.1	8.1.3.4	2300036951	959	24	27.6	31	2.4	15.9	1.3	74	20.7	27.78	75.52	1	1	1	1	1	47.74	63.21380593
1481	09/12/2020	8	8.1	8.1.3.4	2300036713	987	25	27	31	2.6	15.3	1.5	81	23.0	28.47	75.70	1	1	1	1	1	47.23	62.3871965
1482	09/12/2020	8	8.1	8.1.3.4	230003601	976	43	26.9	32	4.5	15.6	2.5	144	39.0	27.08	75.63	1	1	1	1	1	48.55	64.1908318
1483	09/12/2020	8	8.1	8.1.3.4	230035572	888	117	48.9	32	6.3	19.9	5.1	202	101.5	50.34	75.07	1	1	1	1	1	24.73	32.93885921
1484	09/12/2020	8	8.1	8.1.3.4	2300035056	890	49	24.9	33	4.3	13.8	2.3	142	31.7	22.37	75.08	1	1	1	1	1	52.71	70.20875217
1485	09/12/2020	8	8.1	8.1.3.4	2300035966	856	121	49	33	6.4	19.9	5.2	211	103.5	49.00	74.86	1	1	1	1	1	25.87	34.5533897
1486	09/12/2020	8	8.1	8.1.3.4	2300037542	895	113	46.7	33	6.5	19.3	5.1	215	98.4	45.89	75.11	1	1	1	1	1	29.23	38.90870958
1487	09/12/2020	8	8.1	8.1.3.4	NA	888	70	33.7	32	5.8	16.6	3.9	186	64.7	34.88	75.07	1	1	1	1	1	40.19	53.53425171
1488	09/12/2020	8	8.1	8.1.3.4	2300036813	912	40	28.9	32	4.1	15.8	2.4	131	37.9	28.90	75.22	1	1	1	1	1	46.32	61.57755491
1489	09/12/2020	8	8.1	8.1.3.4	2300036813	905	126	51.4	32	6.6	20.4	5.4	211	110.2	52.16	75.18	1	1	1	1	1	23.02	30.6192092
1490	09/12/2020	8	8.1	8.1.3.4	2300037458	914	47	22.2	32	3.9	16.5	1.7	125	28.1	22.48	75.24	1	1	1	1	1	52.76	70.1258958
1491	09/12/2020	7	7.3	7.3.6.1	2300053909	930	43	30.2	32	4.9	16.9	2.8	157	47.3	30.18	75.34	1	1	1	1	1	45.16	59.94243087
1492	09/12/2020	7	7.3	7.3.6.1	2300054062	931	45	28.9	32	3.7	20.1	2.6	118	52.3	44.14	75.34	1	1	1	1	1	31.21	41.41765876
1493	09/12/2020	7	7.3	7.3.6.1	2300054484	939	72	33.1	32	6.8	12.6	5.1	218	64.3	29.53	75.40	1	1	1	1	1	45.86	60.83160025
1494	09/12/2020	7	7.3	7.3.6.1	2300054363	943	46	28.2	31	3.8	17.8	2.3	118	40.9	34.75	75.42	1	1	1	1	1	40.67	53.92035657
1495	09/12/2020	7	7.3	7.3.6.1	2300054313	942	45	31	31	3.6	12.3	2.4	112	29.5	26.45	75.41	1	1	1	1	1	48.96	64.92516999
1496	09/12/2020	7	7.3	7.3.6.1	2300054375	947	91	38.4	32	6.7	17	4.9	214	83.3	38.85	75.45	1	1	1	1	1	36.59	48.50330042
1497	09/12/2020	7	7.3	7.3.6.1	2300053896	953	129	52.3	32	6.9	20.2	5.1	221	103.0	46.66	75.49	1	1	1	1	1	28.83	38.18972634
1498	09/12/2020	7	7.3	7.3.6.1	2300054598	947	72	31.7	31	6.5	16.2	4.1	202	66.4	32.96	75.45	1	1	1	1	1	42.48	56.30990426
1499	09/12/2020	7	7.3	7.3.6.1	2300054838	961	92	39.4	31	6.7	16.9	5.05	208	85.3	41.09	75.54	1	1	1	1	1	34.45	45.60170306

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1500	09/12/2020	7	7.3	7.3.6.1	2300054845	974	43	28.5	31	3.9	11.9	2.2	121	26.2	21.65	75.62	1	1	1	1	1	53.97	71.3642234
1501	09/12/2020	7	7.3	7.3.6.1	2300057414	967	94	38.8	31	7	16.9	5.1	217	86.2	39.72	75.57	1	1	1	1	1	35.86	47.44426183
1502	09/12/2020	7	7.3	7.3.6.1	2300057353	966	41	22	31	3.7	12.4	1.6	115	19.8	17.30	75.57	1	1	1	1	1	58.27	77.11040951
1503	09/12/2020	7	7.3	7.3.6.1	2300057550	969	111	45.2	31	6.9	18.3	5.5	214	100.7	47.05	75.59	1	1	1	1	1	28.53	37.74812475
1504	09/12/2020	7	7.3	7.3.6.1	2300054271	1000	90	37.1	31	7.1	16.6	5.6	220	93.0	42.24	75.79	1	1	1	1	1	33.55	44.27025101
1505	09/12/2020	7	7.3	7.3.6.1	2300055514	1000	98	41	31	7.04	17.7	5.1	218	90.3	41.36	75.79	1	1	1	1	1	34.42	45.42168746
1506	09/12/2020	7	7.3	7.3.6.1	2300055486	1003	35	29	31	3.5	16.2	2.03	109	32.9	30.31	75.81	1	1	1	1	1	45.50	60.01636112
1507	09/12/2020	7	7.3	7.3.6.1	2300055155	1001	36	23.4	31	2.5	16.6	1.1	78	18.3	23.56	75.79	1	1	1	1	1	52.23	68.91338667
1508	09/12/2020	7	7.3	7.3.6.1	NA	1011	33	29.1	31	3.4	23	1.8	105	41.4	39.28	75.86	1	1	1	1	1	36.58	48.21934948
1509	09/12/2020	7	7.3	7.3.6.1	2300052969	1015	138	55.5	31	7.3	13.9	6.3	226	87.6	38.70	75.88	1	1	1	1	1	37.19	49.00447974
1510	09/12/2020	7	7.3	7.3.6.1	NA	1012	94	38	31	7.2	24.1	6.3	223	151.8	68.02	75.86	1	1	0	0	0	7.84	10.33260894
1511	09/12/2020	7	7.3	7.3.6.1	2300052970	994	127	52	31	7.1	14.4	5.9	220	85.0	38.60	75.75	1	1	1	1	1	37.15	49.04045003
1512	09/12/2020	7	7.3	7.3.6.1	NA	1000	96	38.9	31	7.2	23	6.2	223	142.6	63.89	75.79	1	1	1	0	0	11.90	15.69829667
1513	09/12/2020	7	7.3	7.3.6.1	2300055517	1000	38	26.6	31	4.2	24	2.2	130	52.8	40.55	75.79	1	1	1	1	1	35.23	46.49012299
1514	09/12/2020	7	7.3	7.3.6.1	2300055516	974	33	26.2	32	3.3	16.2	1.8	106	29.2	27.61	75.62	1	1	1	1	1	48.01	63.48349322
1515	09/12/2020	7	7.3	7.3.6.3	2300053898	975	48	30.5	31	4.5	16.4	2.7	140	44.3	31.74	75.63	1	1	1	1	1	43.88	58.02774775
1516	09/12/2020	7	7.3	7.3.6.3	2300054352	981	44	28.1	31	4.5	15.9	2.5	140	39.8	28.49	75.66	1	1	1	1	1	47.17	62.34077895
1517	09/12/2020	7	7.3	7.3.6.3	2300054457	974	28	28.2	31	2.9	15.3	1.6	90	24.5	27.23	75.62	1	1	1	1	1	48.39	63.99047887
1518	09/12/2020	7	7.3	7.3.6.3	2300054184	970	42	28.5	31	3.1	22.7	1.6	96	36.3	37.79	75.59	1	1	1	1	1	37.80	50.00401537
1519	09/12/2020	7	7.3	7.3.6.3	2300054243	988	118	49.2	31	7.01	18.5	5.8	217	107.3	49.38	75.71	1	1	1	1	1	26.33	34.78141785
1520	09/12/2020	7	7.3	7.3.6.3	2300054077	984	85	35.7	31	7.04	13.4	6.02	218	80.7	36.96	75.68	1	1	1	1	1	38.72	51.16118084
1521	09/12/2020	7	7.3	7.3.6.3	2300054267	981	102	41.1	31	7.1	17.6	5.3	220	93.3	42.38	75.66	1	1	1	1	1	33.28	43.98853883
1522	09/12/2020	7	7.3	7.3.6.3	2300054260	955	21	28.6	31	2.2	15.5	1.3	68	20.2	29.55	75.50	1	1	1	1	1	45.95	60.86591096
1523	09/12/2020	7	7.3	7.3.6.3	2300053908	945	20	26.3	31	2.1	16.1	1.1	65	17.7	27.20	75.43	1	1	1	1	1	48.23	63.93628725
1524	09/12/2020	7	7.3	7.3.6.3	2300054839	941	122	65.2	32	6.5	19.3	5.5	208	106.2	51.03	75.41	1	1	1	1	1	24.37	32.3236485
1525	09/12/2020	7	7.3	7.3.6.3	2300054376	955	118	48.9	31	6.7	18.8	5.5	208	103.4	49.78	75.50	1	1	1	1	1	25.71	34.06005277
1526	09/12/2020	7	7.3	7.3.6.3	2300054841	948	46	36.7	30	6.6	24.5	2.1	198	51.5	25.98	75.45	1	1	1	1	1	49.47	65.56163491
1527	09/12/2020	7	7.3	7.3.6.3	2300054846	944	26	23.1	31	0.9	16.7	0.3	28	5.0	17.96	75.43	1	1	1	1	1	57.47	76.19307886
1528	09/12/2020	7	7.3	7.3.6.3	2300054190	938	138	23.8	31	6.8	23.1	5.07	211	117.1	55.56	75.39	1	1	1	1	1	19.83	26.30463097
1529	09/12/2020	7	7.3	7.3.6.3	2300057579	938	20	22.9	31	2.6	18.2	1.6	81	29.1	36.13	75.39	1	1	1	1	1	39.26	52.07664724

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1530	09/12/2020	7	7.3	7.3.6.3	2300052965	934	17	35.8	30	3.7	23.4	2.3	111	53.8	48.49	75.36	1	1	1	1	1	26.88	35.66325589
1531	09/12/2020	7	7.3	7.3.6.3	2300052967	951	120	56.1	31	6.2	22.1	2.4	192	53.0	27.60	75.47	1	1	1	1	1	47.88	63.43530363
1532	09/12/2020	7	7.3	7.3.6.3	2300055520	938	42	23.6	30	0.4	17.4	0.1	12	1.7	14.50	75.39	1	1	1	1	1	60.89	80.76647583
1533	09/12/2020	7	7.3	7.3.6.3	2300052710	944	20	18.2	30	2.5	10.4	1.4	75	14.6	19.41	75.43	1	1	1	1	1	56.01	74.26229479
1534	09/12/2020	7	7.3	7.3.6.3	230005521	882	31	28.1	32	3.1	16.2	1.7	99	27.5	27.76	75.03	1	1	1	1	1	47.27	62.99906602
1535	09/12/2020	7	7.3	7.3.6.3	2300055525	854	26	71	32	3.1	24.5	2.1	99	51.5	51.86	74.85	1	1	1	1	1	22.99	30.70967173
1536	09/12/2020	7	7.3	7.3.6.3	2300055528	906	113	62.1	23	6.7	16.2	6.2	154	100.4	65.18	75.18	1	1	0	0	0	10.01	13.30853801
1537	09/12/2020	7	7.3	7.3.6.3	NA	891	21	22.1	32	4.3	11.1	2.9	138	32.2	23.39	75.09	1	1	1	1	1	51.69	68.84486106
1538	09/12/2020	7	7.3	7.3.6.3	2300055202	993	17	25.6	32	1.8	16.3	0.9	58	14.7	25.47	75.74	1	1	1	1	1	50.27	66.3739814
1539	09/12/2020	7	7.3	7.3.6.2	2300055521	894	13	27.2	32	1.4	15.7	6.7	45	105.2	234.80	75.11	1	1	1	1	1	-159.69	-212.616975
1540	09/12/2020	7	7.3	7.3.6.2	2300055486	895	49	27.9	32	5.2	15.9	2.9	166	46.1	27.71	75.11	1	1	1	1	1	47.40	63.108959
1541	09/12/2020	7	7.3	7.3.6.2	2300055488	870	48	30.8	32	4.2	16.7	2.4	134	40.1	29.82	74.95	1	1	1	1	1	45.13	60.21369297
1542	09/12/2020	7	7.3	7.3.6.2	2300055-17	889	10	27.1	32	1.1	15.6	0.6	35	9.4	26.59	75.08	1	1	1	1	1	48.48	64.58115674
1543	09/12/2020	7	7.3	7.3.6.2	2300055522	910	24	27.4	32	2.4	16.3	1.3	77	21.2	27.59	75.21	1	1	1	1	1	47.62	63.31452489
1544	09/12/2020	7	7.3	7.3.6.2	2300054837	971	16	22.4	32	4.4	10.8	2.9	141	31.3	22.24	75.60	1	1	1	1	1	53.36	70.57645438
1545	09/12/2020	7	7.3	7.3.6.2	NA	525	13	26.7	31	1.6	15.3	0.9	50	13.8	27.76	72.75	1	1	1	1	1	44.98	61.83694392
1546	09/12/2020	7	7.3	7.3.6.2	2300054844	856	13	26.8	32	1.2	16.6	0.6	38	10.0	25.94	74.86	1	1	1	1	1	48.93	65.35402675
1547	09/12/2020	7	7.3	7.3.6.2	2300055509	872	20	18.2	30	2.5	15.4	1.2	75	18.5	24.64	74.97	1	1	1	1	1	50.33	67.13211715
1548	09/12/2020	7	7.3	7.3.6.2	2300054247	877	26	28.9	32	2.5	16.3	1.4	80	22.8	28.53	75.00	1	1	1	1	1	46.47	61.96605812
1549	09/12/2020	7	7.3	7.3.6.2	2300055519	885	35	25.3	32	3.09	16.4	1.5	99	24.6	24.88	75.05	1	1	1	1	1	50.17	66.85057858
1550	09/12/2020	7	7.3	7.3.6.2	2300054262	883	27	28.1	32	1.9	17	1.01	61	17.2	28.24	75.04	1	1	1	1	1	46.80	62.36515811
1551	09/12/2020	7	7.3	7.3.6.2	2300054273	880	27	21.4	32	2.1	20.3	0.9	67	18.3	27.19	75.02	1	1	1	1	1	47.83	63.75869791
1552	09/12/2020	7	7.3	7.3.6.2	2300054258	895	19	27.1	32	1.9	15.9	1.1	61	17.5	28.77	75.11	1	1	1	1	1	46.35	61.70294836
1553	09/12/2020	7	7.3	7.3.6.2	2300054186	889	21	26.2	32	2.4	15	1.3	77	19.5	25.39	75.08	1	1	1	1	1	49.68	66.17992397
1554	09/12/2020	7	7.3	7.3.6.2	2300054219	900	17	25.9	32	2	17.3	0.9	64	15.6	24.33	75.15	1	1	1	1	1	50.82	67.62552232
1555	09/12/2020	7	7.3	7.3.6.2	2300054367	895	28	25.6	32	3.1	15.8	1.6	99	25.3	25.48	75.11	1	1	1	1	1	49.63	66.0730743
1556	09/12/2020	7	7.3	7.3.6.2	2300054489	905	42	30.1	31	3.9	16	2.3	121	36.8	30.44	75.18	1	1	1	1	1	44.74	59.5115874
1557	09/12/2020	7	7.3	7.3.6.2	2300054349	918	59	49.4	32	6.4	15.8	5.8	205	91.6	44.75	75.26	1	1	1	1	1	30.52	40.54560152
1558	09/12/2020	7	7.3	7.3.6.2	2300054309	953	12	20.2	30	4.5	20.5	2.1	135	43.1	31.89	75.49	1	1	1	1	1	43.60	57.75477989
1559	09/12/2020	7	7.3	7.3.6.2	2300054220	962	41	28.5	32	4.1	16.2	2.3	131	37.3	28.40	75.54	1	1	1	1	1	47.14	62.40622502

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1560	09/12/2020	7	7.3	7.3.6.2	2300054224	966	36	28.6	32	3.7	14.4	2.1	118	30.2	25.54	75.57	1	1	1	1	1	50.03	66.20208905
1561	09/12/2020	7	7.3	7.3.6.2	2300054225	963	44	26.5	31	6.4	4	4.9	198	19.6	9.88	75.55	1	1	1	1	1	65.67	86.9237103
1562	09/12/2020	7	7.3	7.3.6.2	2300057594	965	44	24.5	31	5.7	10.5	4.2	177	44.1	24.96	75.56	1	1	1	1	1	50.60	66.97075888
1563	09/12/2020	7	7.3	7.3.6.4	2300055487	964	45	24.9	24	5.8	10.7	4.2	139	44.9	32.28	75.56	1	1	1	1	1	43.27	57.27056266
1564	09/12/2020	7	7.3	7.3.6.4	2300055513	953	50	20.9	31	5	15.6	2.9	155	45.2	29.19	75.49	1	1	1	1	1	46.30	61.33401412
1565	09/12/2020	7	7.3	7.3.6.4	2300055518	974	23	28.9	31	2.3	16.3	1.3	71	21.2	29.72	75.62	1	1	1	1	1	45.90	60.69868779
1566	09/12/2020	7	7.3	7.3.6.4	2300054843	981	49	29.9	31	4.1	15.5	3.02	127	46.8	36.83	75.66	1	1	1	1	1	38.84	51.32550011
1567	09/12/2020	7	7.3	7.3.6.4	2300054836	978	45	28.9	31	4.4	16.2	2.5	136	40.5	29.69	75.65	1	1	1	1	1	45.95	60.7482271
1568	09/12/2020	7	7.3	7.3.6.4	2300054842	974	20	20.4	31	4.2	23.5	1.6	130	37.6	28.88	75.62	1	1	1	1	1	46.74	61.8106308
1569	09/12/2020	7	7.3	7.3.6.4	NA	950	28	28.5	32	2.8	23.7	1.6	90	37.9	42.32	75.47	1	1	1	1	1	33.14	43.91987309
1570	09/12/2020	7	7.3	7.3.6.4	2300054848	964	26	24	30	2.9	23.6	1.4	87	33.0	37.98	75.56	1	1	1	1	1	37.58	49.73633788
1571	09/12/2020	7	7.3	7.3.6.4	2300053907	968	20	20.4	31	3.4	23.9	1.6	105	38.2	36.28	75.58	1	1	1	1	1	39.30	51.99754051
1572	09/12/2020	7	7.3	7.3.6.4	2300055512	966	41	29.3	31	4.05	15.9	2.3	126	36.6	29.13	75.57	1	1	1	1	1	46.44	61.455003
1573	09/12/2020	7	7.3	7.3.6.4	2300054278	1051	137	57.1	32	7.6	22	6.4	243	140.8	57.89	76.11	1	1	1	1	0	18.22	23.9352105
1574	09/12/2020	7	7.3	7.3.6.4	2300054277	1043	131	44.6	31	7.2	22.7	5.6	223	127.1	56.95	76.06	1	1	1	1	1	19.11	25.121606
1575	09/12/2020	7	7.3	7.3.6.4	2300055532	983	136	55.3	31	7.3	21.4	6.8	226	145.5	64.30	75.68	1	1	1	0	0	11.37	15.02854068
1576	09/12/2020	7	7.3	7.3.6.4	2300055515	981	110	44.5	32	6.8	19	4.3	218	81.7	37.55	75.66	1	1	1	1	1	38.12	50.37830752
1577	09/12/2020	7	7.3	7.3.6.4	2300054269	1062	82	37.4	31	6.6	18.7	1.9	205	35.5	17.37	76.18	1	1	1	1	1	58.82	77.20536473
1578	09/12/2020	7	7.3	7.3.6.4	2300054268	1051	33	26.9	31	3.5	15.9	3.6	109	57.2	52.76	76.11	1	1	1	1	1	23.36	30.68703606
1579	09/12/2020	7	7.3	7.3.6.4	2300054336	1025	44	52.5	31	5.2	10.6	5.9	161	62.5	38.80	75.95	1	1	1	1	1	37.15	48.91564262
1580	09/12/2020	7	7.3	7.3.6.4	2300054378	1024	129	33.7	32	7.01	19.9	3.7	224	73.6	32.82	75.94	1	1	1	1	1	43.12	56.7766425
1581	09/12/2020	7	7.3	7.3.6.4	2300054380	1011	44	32	32	4.7	13.1	6.2	150	81.2	54.00	75.86	1	1	1	1	1	21.85	28.80935613
1582	09/12/2020	7	7.3	7.3.6.4	2300054310	1035	26	42.3	31	3.3	10.4	6.03	102	62.7	61.30	76.01	1	1	1	0	0	14.71	19.35001607
1583	09/12/2020	7	7.3	7.3.6.4	2300054187	1045	89	22.3	31	6.7	15.1	0.8	208	12.1	5.82	76.07	1	1	1	1	1	70.26	92.35470609
1584	09/12/2020	7	7.3	7.3.6.4	NA	1078	22	41.4	30	1.8	15.7	6.3	54	98.9	183.17	76.29	1	1	1	1	1	-106.88	-140.1077361
1585	09/12/2020	7	7.3	7.3.6.4	2300057589	1020	104	24.3	31	7.2	15.1	1.01	223	15.3	6.83	75.91	1	1	1	1	1	69.08	90.9991763
1586	09/12/2020	7	7.3	7.3.6.4	2300054348	1002	25	16.5	32	2.06	16.2	2.4	66	38.9	58.98	75.80	1	1	1	1	0	16.82	22.18797326
1587	10/12/2020	7	7.3	7.3.5.1	2300055059	998	25	17.1	32	4.5	10.3	2.5	144	25.8	17.88	75.77	1	1	1	1	1	57.89	76.40070045
1588	10/12/2020	7	7.3	7.3.5.1	2300054806	841	116	60.2	30	3.7	20.9	3.3	111	69.0	62.14	74.77	1	1	1	0	0	12.63	16.89652964
1589	10/12/2020	7	7.3	7.3.5.1	2300054232	989	17	22.1	32	5.4	25.1	1.6	173	40.2	23.24	75.72	1	1	1	1	1	52.47	69.30521486

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1590	10/12/2020	7	7.3	7.3.5.1	2300054705	945	48	29.5	32	5.07	16.2	2.9	162	47.0	28.96	75.43	1	1	1	1	1	46.48	61.61266724
1591	10/12/2020	7	7.3	7.3.5.1	2300054888	975	22	27	32	2.3	15.8	1.3	74	20.5	27.91	75.63	1	1	1	1	1	47.72	63.09786489
1592	10/12/2020	7	7.3	7.3.5.1	2300054894	996	109	44.1	32	7.08	15.6	6.5	227	101.4	44.76	75.76	1	1	1	1	1	31.00	40.92381253
1593	10/12/2020	7	7.3	7.3.5.1	2300054509	520	23	20	30	2.5	18	1.2	75	21.6	28.80	72.71	1	1	1	1	1	43.91	60.39277168
1594	10/12/2020	7	7.3	7.3.5.1	2300057535	989	20	20.6	32	2.6	20.2	2.4	83	48.5	58.27	75.72	1	1	1	1	0	17.45	23.04197448
1595	10/12/2020	7	7.3	7.3.5.1	2300054507	980	40	20.5	30	2.4	20.5	1.6	72	32.8	45.56	75.66	1	1	1	1	1	30.10	39.78752339
1596	10/12/2020	7	7.3	7.3.5.1	2300054512	937	13	21.6	32	2.1	15.9	0.9	67	14.3	21.29	75.38	1	1	1	1	1	54.09	71.7513241
1597	10/12/2020	7	7.3	7.3.5.1	2300057415	942	16	26.3	32	1.7	16.5	0.8	54	13.2	24.26	75.41	1	1	1	1	1	51.15	67.82500798
1598	10/12/2020	7	7.3	7.3.5.1	2300054619	940	20	20.4	30	1.4	18.4	1.4	42	25.8	61.33	75.40	1	1	1	0	0	14.07	18.65821419
1599	10/12/2020	7	7.3	7.3.5.1	2300057446	950	20	20	30	2.4	18.4	1.5	72	27.6	38.33	75.47	1	1	1	1	1	37.13	49.20449827
1600	10/12/2020	7	7.3	7.3.5.1	NA	956	26	23.4	32	2.4	15.8	1.1	77	17.4	22.63	75.50	1	1	1	1	1	52.87	70.02796084
1601	10/12/2020	7	7.3	7.3.5.1	2300057148	968	131	54	31	6.8	20.5	5.2	211	106.6	50.57	75.58	1	1	1	1	1	25.01	33.0928062
1602	10/12/2020	7	7.3	7.3.5.1	2300057401	958	49	26.2	32	5.3	16.5	2.8	170	46.2	27.24	75.52	1	1	1	1	1	48.28	63.92799781
1603	10/12/2020	7	7.3	7.3.5.1	2300057409	961	85	36.1	31	6.6	16.9	4.6	205	77.7	38.00	75.54	1	1	1	1	1	37.54	49.69830448
1604	10/12/2020	7	7.3	7.3.5.1	2300057595	949	28	21.2	32	4.6	10.5	3.04	147	31.9	21.68	75.46	1	1	1	1	1	53.77	71.26305651
1605	10/12/2020	7	7.3	7.3.5.1	2300057406	951	30	27.8	32	2.9	16	1.5	93	24.0	25.86	75.47	1	1	1	1	1	49.61	65.7330773
1606	10/12/2020	7	7.3	7.3.5.1	2300057430	947	34	28.1	32	3.2	17.1	1.7	102	29.1	28.39	75.45	1	1	1	1	1	47.06	62.37259649
1607	10/12/2020	7	7.3	7.3.5.1	2300057473	949	127	50.1	32	6.9	19.7	5.7	221	112.3	50.86	75.46	1	1	1	1	1	24.60	32.60502539
1608	10/12/2020	7	7.3	7.3.5.1	2300057413	944	49	29.5	32	4.8	16.2	2.8	154	45.4	29.53	75.43	1	1	1	1	1	45.90	60.84821736
1609	10/12/2020	7	7.3	7.3.5.1	2300057474	963	49	32.4	32	3.05	16.4	1.8	98	29.5	30.25	75.55	1	1	1	1	1	45.30	59.96529197
1610	10/12/2020	7	7.3	7.3.5.1	2300057412	962	42	27.7	32	4.2	16.3	2.3	134	37.5	27.89	75.54	1	1	1	1	1	47.65	63.07477981
1611	10/12/2020	7	7.3	7.3.5.2	2300054458	959	49	29.7	32	4.8	16.3	2.8	154	45.6	29.71	75.52	1	1	1	1	1	45.81	60.65661374
1612	10/12/2020	7	7.3	7.3.5.2	2300054470	956	40	28.8	32	3.8	16.8	2.1	122	35.3	29.01	75.50	1	1	1	1	1	46.49	61.57421568
1613	10/12/2020	7	7.3	7.3.5.2	2300054469	826	68.9	34	5.8	5.8	25.6	6.3	34	161.3	479.43	74.67	1	1	1	1	1	-404.76	-542.043447
1614	10/12/2020	7	7.3	7.3.5.2	2300054460	845	69.4	31	6.01	6.01	25.8	5.9	36	152.2	421.43	74.79	1	1	1	1	1	-346.63	-463.4508178
1615	10/12/2020	7	7.3	7.3.5.2	NA	850	26	33	3.1	3.1	16.3	1.6	10	26.1	271.38	74.83	1	1	1	1	1	-196.56	-262.6867333
1616	10/12/2020	7	7.3	7.3.5.2	2300054456	850	69.9	33	6.1	6.1	25.5	5.5	37	140.3	376.91	74.83	1	1	1	1	1	-302.09	-403.7217115
1617	10/12/2020	7	7.3	7.3.5.2	2300054479	832	26.3	33	1.7	1.7	16.5	0.9	3	14.9	513.84	74.71	1	1	1	1	1	-439.13	-587.7731606
1618	10/12/2020	7	7.3	7.3.5.2	2300054558	844	69.8	32	5.8	5.8	25	5.3	34	132.5	393.88	74.79	1	1	1	1	1	-319.09	-426.6599512
1619	10/12/2020	7	7.3	7.3.5.2	2300054560	869	27.7	33	2	2	17.4	1.06	4	18.4	461.10	74.95	1	1	1	1	1	-386.15	-515.2298406

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1620	10/12/2020	7	7.3	7.3.5.2	2300054559	860	70.7	33	5.8	5.8	25.4	5.34	34	135.6	403.20	74.89	1	1	1	1	1	-328.31	-438.3877328
1621	10/12/2020	7	7.3	7.3.5.2	2300054421	817	26.4	32	1.9	1.9	16.4	1.06	4	17.4	481.55	74.61	1	1	1	1	1	-406.94	-545.3830159
1622	10/12/2020	7	7.3	7.3.5.2	2300057464	815	71.8	32	5.3	5.3	25.3	4.9	28	124.0	441.33	74.60	1	1	1	1	1	-366.73	-491.5812373
1623	10/12/2020	7	7.3	7.3.5.2	2300054488	835	24.4	32	4.7	4.7	16.5	2.2	22	36.3	164.33	74.73	1	1	1	1	1	-89.60	-119.8952899
1624	10/12/2020	7	7.3	7.3.5.2	NA	869	70.9	32	5.9	5.9	25.2	5.4	35	136.1	390.92	74.95	1	1	1	1	1	-315.97	-421.5939521
1625	10/12/2020	7	7.3	7.3.5.2	-	848	67	32	5.7	5.7	24.5	5.09	32	124.7	383.83	74.81	1	1	1	1	1	-309.01	-413.0455488
1626	10/12/2020	7	7.3	7.3.5.2	2300057418	725	72.1	32	5.05	5.05	25.1	4.7	26	118.0	462.58	74.03	1	1	1	1	1	-388.56	-524.8913892
1627	10/12/2020	7	7.3	7.3.5.2	NA	874	69.6	32	5.7	5.7	24.8	5.2	32	129.0	396.92	74.98	1	1	1	1	1	-321.94	-429.3734961
1628	10/12/2020	7	7.3	7.3.5.2	2300054343	861	68.5	32	6.1	6.1	25.2	5.5	37	138.6	372.48	74.90	1	1	1	1	1	-297.58	-397.3276633
1629	10/12/2020	7	7.3	7.3.5.2	2300054501	858	69.7	32	5.9	5.9	24.9	5.4	35	134.5	386.27	74.88	1	1	1	1	1	-311.39	-415.8690679
1630	10/12/2020	7	7.3	7.3.5.2	2300054541	851	70.3	32	5.9	5.9	25.1	5.3	35	133.0	382.16	74.83	1	1	1	1	1	-307.33	-410.6882831
1631	10/12/2020	7	7.3	7.3.5.2	NA	853	68.7	32	5.8	5.8	24.5	5.3	34	129.9	386.00	74.85	1	1	1	1	1	-311.15	-415.729547
1632	10/12/2020	7	7.3	7.3.5.2	2300054011	852	70.6	32	5.7	5.7	25	5.19	32	129.8	399.35	74.84	1	1	1	1	1	-324.51	-433.6184536
1633	10/12/2020	7	7.3	7.3.5.2	NA	844	76.9	32	5.8	5.8	24.8	5.2	34	129.0	383.35	74.79	1	1	1	1	1	-308.57	-412.5891873
1634	10/12/2020	7	7.3	7.3.5.2	2300054572	860	70.5	32	5.8	5.8	24.8	5.3	34	131.4	390.73	74.89	1	1	1	1	1	-315.84	-421.73231
1635	10/12/2020	7	7.3	7.3.5.3	2300054944	893	45.4	32	6.1	6.1	18.8	5.1	37	95.9	257.67	75.10	1	1	1	1	1	-182.57	-243.1006011
1636	10/12/2020	7	7.3	7.3.5.3	2300054815	920	63.1	32	6.9	6.9	23.8	6.04	48	143.8	301.94	75.27	1	1	1	1	1	-226.66	-301.1166777
1637	10/12/2020	7	7.3	7.3.5.3	2300054969	993	24	23.4	31	3.3	16.3	1.4	102	22.8	22.31	75.74	1	1	1	1	1	53.43	70.54847247
1638	10/12/2020	7	7.3	7.3.5.3	2300054977	1056	37	29.1	32	3.8	16.8	2.1	122	35.3	29.01	76.14	1	1	1	1	1	47.13	61.89718759
1639	10/12/2020	7	7.3	7.3.5.3	2300054866	769	31	23.5	30	2.3	16.5	1.05	69	17.3	25.11	74.31	1	1	1	1	1	49.20	66.20978789
1640	10/12/2020	7	7.3	7.3.5.3	2300054860	992	17	23	32	2.1	17.1	0.9	67	15.4	22.90	75.73	1	1	1	1	1	52.83	69.76055167
1641	10/12/2020	7	7.3	7.3.5.3	2300054974	892	31	24.1	32	2.1	15.8	1.02	67	16.1	23.98	75.09	1	1	1	1	1	51.11	68.0641764
1642	10/12/2020	7	7.3	7.3.5.3	2300054372	1016	42	28.8	32	4.1	15.7	2.5	131	39.3	29.92	75.89	1	1	1	1	1	45.97	60.57874651
1643	10/12/2020	7	7.3	7.3.5.3	2300054514	991	25.5	28.1	32	2.5	16.3	1.4	80	22.8	28.53	75.73	1	1	1	1	1	47.20	62.33249349
1644	10/12/2020	7	7.3	7.3.5.3	2300054515	624	19	27.7	31	2.02	15.8	1.1	63	17.4	27.75	73.38	1	1	1	1	1	45.62	62.17653005
1645	10/12/2020	7	7.3	7.3.5.3	2300057417	841	25	24.6	32	3.4	16.5	1.6	109	26.4	24.26	74.77	1	1	1	1	1	50.50	67.54684348
1646	10/12/2020	7	7.3	7.3.5.3	2300057696	972	17	28	31	1.2	19.6	0.5	37	9.8	26.34	75.61	1	1	1	1	1	49.26	65.15645944
1647	10/12/2020	7	7.3	7.3.5.3	2300057396	978	26	20.3	32	5.5	6.2	4.9	176	30.4	17.26	75.65	1	1	1	1	1	58.38	77.18115143
1648	10/12/2020	7	7.3	7.3.5.3	2300057395	974	17	33	20	0.8	1.96	0.4	16	0.8	4.90	75.62	1	1	1	1	1	70.72	93.52019847
1649	10/12/2020	7	7.3	7.3.5.3	2300057448	961	31	40	31	1.1	25.7	0.5	34	12.9	37.68	75.54	1	1	1	1	1	37.85	50.11241672

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1650	10/12/2020	7	7.3	7.3.5.3	2300057407	975	120	49.6	31	6.9	20.4	5.4	214	110.2	51.50	75.63	1	1	1	1	1	24.13	31.90079964
1651	10/12/2020	7	7.3	7.3.5.3	2300057409	970	21	18.7	30	2.02	21.9	0.4	61	8.8	14.46	75.59	1	1	1	1	1	61.14	80.87752263
1652	10/12/2020	7	7.3	7.3.5.3	2300057431	968	137	57.4	31	6.8	22.3	5.6	211	124.9	59.24	75.58	1	1	1	1	0	16.34	21.61941499
1653	10/12/2020	7	7.3	7.3.5.3	2300057408	965	18	30.8	31	1.6	18.1	0.9	50	16.3	32.84	75.56	1	1	1	1	1	42.72	56.53537236
1654	10/12/2020	7	7.3	7.3.5.3	NA	978	31	22.5	31	4.3	10	3.1	133	31.0	23.26	75.65	1	1	1	1	1	52.39	69.25672223
1655	10/12/2020	7	7.3	7.3.5.3	2300057391	981	29	33.1	32	2.4	20.6	1.2	77	24.7	32.19	75.66	1	1	1	1	1	43.48	57.46017942
1656	10/12/2020	7	7.3	7.3.5.3	2300057384	986	37	27.3	32	1.47	19	0.8	47	15.2	32.31	75.70	1	1	1	1	1	43.38	57.31246774
1657	10/12/2020	7	7.3	7.3.5.3	2300057440	984	23	32.3	31	2.3	10.54	2.3	71	24.2	34.00	75.68	1	1	1	1	1	41.68	55.07613274
1658	10/12/2020	7	7.3	7.3.5.3	NA	978	121	50.6	31	6.8	20.2	5.85	211	118.2	56.06	75.65	1	1	1	1	1	19.59	25.89367896
1659	10/12/2020	7	7.3	7.3.5.4	2300054280	974	17	30.5	30	1.4	13.1	1.2	42	15.7	37.43	75.62	1	1	1	1	1	38.19	50.50413989
1660	10/12/2020	7	7.3	7.3.5.4	2300054339	976	27	21.4	30	1.8	16.6	0.7	54	11.6	21.52	75.63	1	1	1	1	1	54.11	71.54854465
1661	10/12/2020	7	7.3	7.3.5.4	2300054487	988	22	18.8	31	4.2	5.6	4.04	130	22.6	17.38	75.71	1	1	1	1	1	58.33	77.04856994
1662	10/12/2020	7	7.3	7.3.5.4	2300054454	965	22	28.2	31	2.2	15.3	1.3	68	19.9	29.16	75.56	1	1	1	1	1	46.40	61.4035853
1663	10/12/2020	7	7.3	7.3.5.4	2300054561	975	42	31.7	31	4.8	11.2	4.08	149	45.7	30.71	75.63	1	1	1	1	1	44.92	59.39269905
1664	10/12/2020	7	7.3	7.3.5.4	2300054480	978	17	30	31	1.7	22	0.7	53	15.4	29.22	75.65	1	1	1	1	1	46.42	61.36964224
1665	10/12/2020	7	7.3	7.3.5.4	2300054418	979	82	38.2	31	6.4	13.9	5.8	198	80.6	40.64	75.65	1	1	1	1	1	35.02	46.28655488
1666	10/12/2020	7	7.3	7.3.5.4	2300054365	984	81	37	31	6.9	13.8	5.9	214	81.4	38.06	75.68	1	1	1	1	1	37.62	49.70572736
1667	10/12/2020	7	7.3	7.3.5.4	2300054469	974	39.2	27.3	31	5.2	19.5	3.3	161	64.4	39.92	75.62	1	1	1	1	1	35.70	47.2103068
1668	10/12/2020	7	7.3	7.3.5.4	2300057472	968	46	46.3	30	6.6	23.6	4.1	198	96.8	48.87	75.58	1	1	1	1	1	26.71	35.34280103
1669	10/12/2020	7	7.3	7.3.5.4	2300054556	974	16	69.7	31	6.5	24.1	6.02	202	145.1	72.00	75.62	0	0	0	0	0	3.62	4.785277156
1670	10/12/2020	7	7.3	7.3.5.4	2300057599	988	9	19.1	31	1.4	11	0.8	43	8.8	20.28	75.71	1	1	1	1	1	55.43	73.21792108
1671	10/12/2020	7	7.3	7.3.5.4	2300054553	980	25	28.8	31	2.5	16.1	1.4	78	22.5	29.08	75.66	1	1	1	1	1	46.57	61.55876316
1672	10/12/2020	7	7.3	7.3.5.4	2300054366	984	78	43.1	31	5.3	18.6	3.7	164	68.8	41.89	75.68	1	1	1	1	1	33.80	44.65539106
1673	10/12/2020	7	7.3	7.3.5.4	2300057600	975	42	44.8	31	5.2	26.1	2.8	161	73.1	45.33	75.63	1	1	1	1	1	30.29	40.05370165
1674	10/12/2020	7	7.3	7.3.5.4	2300057-53	965	114	48.6	31	6.7	14	5.4	208	75.6	36.40	75.56	1	1	1	1	1	39.16	51.82942233
1675	10/12/2020	7	7.3	7.3.5.4	2300054318	968	48	25.7	30	5.2	16.1	2.8	156	45.1	28.90	75.58	1	1	1	1	1	46.68	61.76637061
1676	10/12/2020	7	7.3	7.3.5.4	2300054700	988	70	35.4	30	5.7	16.6	3.8	171	63.1	36.89	75.71	1	1	1	1	1	38.82	51.27555318
1677	10/12/2020	7	7.3	7.3.5.4	2300054008	991	37	28.7	31	3.8	15.7	2.2	118	34.5	29.32	75.73	1	1	1	1	1	46.41	61.28152338
1678	10/12/2020	7	7.3	7.3.5.4	2300054593	980	35	28.7	31	6.7	27	2.09	208	56.4	27.17	75.66	1	1	1	1	1	48.49	64.0897278
1679	10/12/2020	7	7.3	7.3.5.4	2300054498	975	24	27.88	31	2.5	15.8	1.4	78	22.1	28.54	75.63	1	1	1	1	1	47.08	62.25909676

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1680	10/12/2020	7	7.3	7.3.5.4	2300054706	980	49	30.4	31	4.7	16.3	2.8	146	45.6	31.32	75.66	1	1	1	1	1	44.33	58.5970556
1681	10/12/2020	7	7.3	7.3.5.4	2300054609	982	95	42	31	6.7	17.6	4.9	208	86.2	41.52	75.67	1	1	1	1	1	34.15	45.12886723
1682	10/12/2020	7	7.3	7.3.5.4	2300054613	985	118	50.4	31	6.5	22.7	0.4	202	9.1	4.51	75.69	1	1	1	1	1	71.18	94.04650089
1683	10/12/2020	7	7.3	7.3.4.2	2300054908	978	19	24.5	32	0.9	16.2	0.4	29	6.5	22.50	75.65	1	1	1	1	1	53.15	70.25587876
1684	10/12/2020	7	7.3	7.3.4.2	2300054314	969	35	22.5	31	4.7	11.9	2.9	146	34.5	23.69	75.59	1	1	1	1	1	51.90	68.66462825
1685	10/12/2020	7	7.3	7.3.4.2	2300054390	974	47	29.2	31	6.8	12.1	5.3	211	64.1	30.42	75.62	1	1	1	1	1	45.20	59.76942335
1686	10/12/2020	7	7.3	7.3.4.2	2300054895	977	136	51.7	31	6.8	21.6	5.6	211	121.0	57.38	75.64	1	1	1	1	0	18.26	24.13760639
1687	10/12/2020	7	7.3	7.3.4.2	2300054899	976	29	25.1	31	2.9	16	1.4	90	22.4	24.92	75.63	1	1	1	1	1	50.72	67.05568781
1688	10/12/2020	7	7.3	7.3.4.2	2300054455	981	37	16.7	31	3.5	20.6	0.9	109	18.5	17.09	75.66	1	1	1	1	1	58.58	77.41664825
1689	10/12/2020	7	7.3	7.3.4.2	2300054946	971	22	27.4	31	3.5	17.2	1.1	109	18.9	17.44	75.60	1	1	1	1	1	58.16	76.93426487
1690	10/12/2020	7	7.3	7.3.4.2	2300054945	966	46	40.3	31	2.2	15.7	5.9	68	92.6	135.82	75.57	1	1	1	1	1	-60.25	-79.73268505
1691	10/12/2020	7	7.3	7.3.4.2	2300053880	944	16	19.2	31	6.6	10.3	1.6	205	16.5	8.05	75.43	1	1	1	1	1	67.37	89.32122862
1692	10/12/2020	7	7.3	7.3.4.2	2300053884	948	31	27.7	31	6.9	23.1	1.1	214	25.4	11.88	75.45	1	1	1	1	1	63.57	84.25595881
1693	10/12/2020	7	7.3	7.3.4.2	2300054914	941	26	25.3	31	2.7	7	1.3	84	9.1	10.87	75.41	1	1	1	1	1	64.54	85.58229258
1694	10/12/2020	7	7.3	7.3.4.2	2300054978	968	26	25	31	2.9	19.5	1	90	19.5	21.69	75.58	1	1	1	1	1	53.89	71.30137188
1695	10/12/2020	7	7.3	7.3.4.2	2300054865	966	48	26.6	31	6.9	25.3	3.1	214	78.4	36.67	75.57	1	1	1	1	1	38.90	51.47883683
1696	10/12/2020	7	7.3	7.3.4.2	2300054815	964	29	27.1	31	2.9	16.5	1.6	90	26.4	29.37	75.56	1	1	1	1	1	46.19	61.13330821
1697	10/12/2020	7	7.3	7.3.4.2	2300054967	967	21	21	31	3.2	10.9	2.07	99	22.6	22.74	75.57	1	1	1	1	1	52.83	69.90404251
1698	10/12/2020	7	7.3	7.3.4.2	2300054968	954	48	33.1	30	5.05	23.9	3.3	152	78.9	52.06	75.49	1	1	1	1	1	23.43	31.03947202
1699	10/12/2020	7	7.3	7.3.4.2	-	965	112	46.2	32	6.8	16.1	5.4	218	86.9	39.95	75.56	1	1	1	1	1	35.61	47.12415749
1700	10/12/2020	7	7.3	7.3.4.2	2300055031	966	83	36	31	6.2	18.6	5.8	192	107.9	56.13	75.57	1	1	1	1	1	19.44	25.72420184
1701	10/12/2020	7	7.3	7.3.4.2	2300054819	993	132	53.7	31	7.03	26.6	5.9	218	156.9	72.01	75.74	0	0	0	0	0	3.73	4.921034479
1702	10/12/2020	7	7.3	7.3.4.2	2300054887	981	89	37.7	31	6.4	23.2	3.7	198	85.8	43.27	75.66	1	1	1	1	1	32.40	42.81838086
1703	10/12/2020	7	7.3	7.3.4.2	2300054891	964	92	41.6	31	6.8	23	5.2	211	119.6	56.74	75.56	1	1	1	1	0	18.82	24.907958
1704	10/12/2020	7	7.3	7.3.4.2	2300054858	960	87	36.9	30	6.7	17.4	4.5	201	78.3	38.96	75.53	1	1	1	1	1	36.57	48.42417069
1705	10/12/2020	7	7.3	7.3.4.2	2300054919	958	121	49.8	30	6.9	19.9	5.5	207	109.5	52.87	75.52	1	1	1	1	1	22.64	29.98363799
1706	10/12/2020	7	7.3	7.3.4.2	2300054907	959	137	55.9	31	6.9	20.9	5.9	214	123.3	57.65	75.52	1	1	1	1	0	17.88	23.66831845
1707	10/12/2020	7	7.3	7.3.4.4	2300054995	975	138	59.3	31	6.8	21.3	5.8	211	123.5	58.61	75.63	1	1	1	1	0	17.02	22.50639583
1708	10/12/2020	7	7.3	7.3.4.4	2300053047	909	24	27.1	34	2.7	16.7	1.5	92	25.1	27.29	75.20	1	1	1	1	1	47.92	63.71505925
1709	10/12/2020	7	7.3	7.3.4.4	2300054991	902	24	28	34	2.3	16.8	1.3	78	21.8	27.93	75.16	1	1	1	1	1	47.23	62.84082669

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1710	10/12/2020	7	7.3	7.3.4.4	2300053883	870	83	35.3	34	6.2	18.1	1.05	211	19.0	9.02	74.95	1	1	1	1	1	65.94	87.97174981
1711	10/12/2020	7	7.3	7.3.4.4	2300054465	897	26	24.7	34	2.5	17.3	1.2	85	20.8	24.42	75.13	1	1	1	1	1	50.70	67.49025726
1712	10/12/2020	7	7.3	7.3.4.4	2300054941	885	28	28.3	33	2.9	16	1.7	96	27.2	28.42	75.05	1	1	1	1	1	46.63	62.12904389
1713	10/12/2020	7	7.3	7.3.4.4	2300053848	544	31	21.2	32	3.6	24.7	1.05	115	25.9	22.51	72.87	1	1	1	1	1	50.35	69.10420978
1714	10/12/2020	7	7.3	7.3.4.4	2300054910	932	32	28.6	33	3.03	16.6	1.7	100	28.2	28.22	75.35	1	1	1	1	1	47.13	62.54476093
1715	10/12/2020	7	7.3	7.3.4.4	2300054968	921	27	31.8	33	2.4	22.1	1.7	79	37.6	47.44	75.28	1	1	1	1	1	27.84	36.98642849
1716	10/12/2020	7	7.3	7.3.4.4	2300054902	904	26	27.5	33	2.8	15.7	1.6	92	25.1	27.19	75.17	1	1	1	1	1	47.99	63.8345503
1717	10/12/2020	7	7.3	7.3.4.4	2300054893	907	27	26	33	3.03	15.9	1.6	100	25.4	25.44	75.19	1	1	1	1	1	49.75	66.16268978
1718	10/12/2020	7	7.3	7.3.4.4	2300053914	925	13	24.4	32	0.7	17.5	0.3	22	5.3	23.44	75.31	1	1	1	1	1	51.87	68.87698191
1719	10/12/2020	7	7.3	7.3.4.4	2300054812	917	84	40.6	32	6.2	14.8	5.3	198	78.4	39.54	75.25	1	1	1	1	1	35.72	47.46343048
1720	10/12/2020	7	7.3	7.3.4.4	2300054953	947	87	39.9	32	6.4	14.9	5.6	205	83.4	40.74	75.45	1	1	1	1	1	34.70	45.99878656
1721	10/12/2020	7	7.3	7.3.4.4	2300054959	933	92	40.8	32	6.6	14.8	5.8	211	85.8	40.64	75.36	1	1	1	1	1	34.71	46.06495545
1722	10/12/2020	7	7.3	7.3.4.4	2300054929	964	28	27.5	32	2.08	16.2	1.9	67	30.8	46.24	75.56	1	1	1	1	1	29.31	38.79475461
1723	10/12/2020	7	7.3	7.3.4.4	2300054808	933	117	50.8	31	6.4	19.2	5.4	198	103.7	52.26	75.36	1	1	1	1	1	23.10	30.65285797
1724	10/12/2020	7	7.3	7.3.4.4	2300053890	933	54	24.8	31	6.3	11.9	4.6	195	54.7	28.03	75.36	1	1	1	1	1	47.33	62.80557951
1725	10/12/2020	7	7.3	7.3.4.4	2300054863	943	127	54	31	6.5	20.7	5.4	202	111.8	55.47	75.42	1	1	1	1	1	19.95	26.44780856
1726	10/12/2020	7	7.3	7.3.4.4	2300054892	909	97	43.6	31	6.3	16.6	5.2	195	86.3	44.20	75.20	1	1	1	1	1	31.00	41.22798814
1727	10/12/2020	7	7.3	7.3.4.4	2300054970	974	44	31.4	31	3.9	16	1.6	121	25.6	21.17	75.62	1	1	1	1	1	54.45	71.99862946
1728	10/12/2020	7	7.3	7.3.4.4	2300054912	973	125	53.3	32	6.6	20.4	5.5	211	112.2	53.13	75.61	1	1	1	1	1	22.49	29.74110341
1729	10/12/2020	7	7.3	7.3.4.4	2300054890	979	105	43.2	31	6.7	15.7	5.2	208	81.6	39.31	75.65	1	1	1	1	1	36.34	48.04248377
1730	10/12/2020	7	7.3	7.3.4.4	2300054045	971	48	24.6	31	6.1	11.2	4.3	189	48.2	25.47	75.60	1	1	1	1	1	50.13	66.31233916
1731	10/12/2020	7	7.3	7.3.4.1	2300054228	941	49	26.9	31	6.3	11.4	2.7	195	30.8	15.76	75.41	1	1	1	1	1	59.65	79.0998268
1732	10/12/2020	7	7.3	7.3.4.1	2300054434	934	13	26.8	31	1.3	16.1	0.7	40	11.3	27.97	75.36	1	1	1	1	1	47.40	62.89288125
1733	10/12/2020	7	7.3	7.3.4.1	2300054425	964	108	50.8	30	6.1	18.5	5.3	183	98.1	53.58	75.56	1	1	1	1	1	21.98	29.08634837
1734	10/12/2020	7	7.3	7.3.4.1	2300024016	962	118	55.7	31	6.06	20	5.3	188	106.0	56.42	75.54	1	1	1	1	1	19.12	25.30724657
1735	10/12/2020	7	7.3	7.3.4.1	2300054203	940	104	48.5	31	6.2	18.3	5.2	192	95.2	49.51	75.40	1	1	1	1	1	25.89	34.33738347
1736	10/12/2020	7	7.3	7.3.4.1	2300054394	957	49	30.6	30	5.1	11.2	4.2	153	47.0	30.75	75.51	1	1	1	1	1	44.77	59.28384014
1737	10/12/2020	7	7.3	7.3.4.1	2300054395	953	91	41.4	31	6.3	14.1	4.8	195	67.7	34.65	75.49	1	1	1	1	1	40.83	54.0911624
1738	10/12/2020	7	7.3	7.3.4.1	2300054504	954	130	57.5	30	6.5	20.7	5.6	195	115.9	59.45	75.49	1	1	1	1	0	16.05	21.25461131
1739	10/12/2020	7	7.3	7.3.4.1	230005468	954	136	60.6	31	6.3	22.4	5.4	195	121.0	61.94	75.49	1	1	1	0	0	13.56	17.95711858

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1740	10/12/2020	7	7.3	7.3.4.1	NA	950	118	53	30	6.4	19.6	5.3	192	103.9	54.10	75.47	1	1	1	1	1	21.36	28.30656631
1741	10/12/2020	7	7.3	7.3.4.1	2300054467	956	130	66.7	31	6.3	23.6	5.6	195	132.2	67.67	75.50	1	1	0	0	0	7.83	10.37575175
1742	10/12/2020	7	7.3	7.3.4.1	2300054450	953	19	28.3	31	1.9	16.4	1.05	59	17.2	29.24	75.49	1	1	1	1	1	46.25	61.26923793
1743	10/12/2020	7	7.3	7.3.4.1	2300054191	951	46	25.1	31	3.2	17.1	2.1	99	35.9	36.20	75.47	1	1	1	1	1	39.27	52.03598034
1744	10/12/2020	7	7.3	7.3.4.1	2300054202	951	44	23	20	2.5	11.7	1.5	50	17.6	35.10	75.47	1	1	1	1	1	40.37	53.49293252
1745	10/12/2020	7	7.3	7.3.4.1	2300054206	950	40	20.1	30	6.7	23.4	2.9	201	67.9	33.76	75.47	1	1	1	1	1	41.70	55.26304027
1746	10/12/2020	7	7.3	7.3.4.1	2300054209	981	80	35.9	32	6.5	6.67	4.4	208	29.3	14.11	75.66	1	1	1	1	1	61.55	81.3523726
1747	10/12/2020	7	7.3	7.3.4.1	-	978	26	23.8	31	2.2	16	1.06	68	17.0	24.87	75.65	1	1	1	1	1	50.78	67.12542872
1748	10/12/2020	7	7.3	7.3.4.1	2300054200	978	24	28	31	2.5	16	1.4	78	22.4	28.90	75.65	1	1	1	1	1	46.74	61.79106433
1749	10/12/2020	7	7.3	7.3.4.1	2300054906	970	19	25.5	30	2.2	15.1	1.2	66	18.1	27.45	75.59	1	1	1	1	1	48.14	63.68158127
1750	10/12/2020	7	7.3	7.3.4.1	2300054956	971	49	28.2	32	3.8	16.3	2.3	122	37.5	30.83	75.60	1	1	1	1	1	44.77	59.21900928
1751	10/12/2020	7	7.3	7.3.4.1	2300054896	970	15	22.8	30	2.4	10.3	1.4	72	14.4	20.03	75.59	1	1	1	1	1	55.57	73.50612776
1752	10/12/2020	7	7.3	7.3.4.1	2300053895	966	12	26.4	32	1.4	16	6.7	45	107.2	239.29	75.57	1	1	1	1	1	-163.72	-216.6478505
1753	10/12/2020	7	7.3	7.3.4.1	2300054966	975	138	65.5	31	6.1	22.9	5.9	189	135.1	71.45	75.63	1	0	0	0	0	4.18	5.523274007
1754	10/12/2020	7	7.3	7.3.4.1	2300054285	959	45	26.8	30	5.6	10.9	4.2	168	45.8	27.25	75.52	1	1	1	1	1	48.27	63.9185632
1755	10/12/2020	7	7.3	7.3.4.3	2300054217	948	136	59.2	30	6.4	22.1	5.9	192	130.4	67.91	75.45	1	0	0	0	0	7.54	9.995257546
1756	10/12/2020	7	7.3	7.3.4.3	2300054505	952	23	37	31	6.4	16.8	4.5	198	75.6	38.10	75.48	1	1	1	1	1	37.37	49.51583927
1757	10/12/2020	7	7.3	7.3.4.3	2300054315	949	20	18.4	30	2.4	20.2	1.4	72	28.3	39.28	75.46	1	1	1	1	1	36.18	47.94860061
1758	10/12/2020	7	7.3	7.3.4.3	2300054215	964	20	20.4	30	2.4	20.1	1.4	72	28.1	39.08	75.56	1	1	1	1	1	36.47	48.27208925
1759	10/12/2020	7	7.3	7.3.4.3	2300054517	969	20	16.4	11	2.4	18.4	1.8	26	33.1	125.45	75.59	1	1	1	1	1	-49.87	-65.97238893
1760	10/12/2020	7	7.3	7.3.4.3	2300054506	951	123	54.5	30	6.3	19.7	5.5	189	108.4	57.33	75.47	1	1	1	1	0	18.14	24.04105033
1761	10/12/2020	7	7.3	7.3.4.3	2300054509	963	111	52.7	30	6.1	19.3	5.2	183	100.4	54.84	75.55	1	1	1	1	1	20.71	27.40951585
1762	10/12/2020	7	7.3	7.3.4.3	2300054383	967	132	59.4	30	6.4	21	5.6	192	117.6	61.25	75.57	1	1	1	0	0	14.32	18.9544663
1763	10/12/2020	7	7.3	7.3.4.3	2300054295	971	20	18.5	30	2.4	21.2	1.4	72	29.7	41.22	75.60	1	1	1	1	1	34.38	45.47353953
1764	10/12/2020	7	7.3	7.3.4.3	2300054319	961	132	63.8	30	5.9	22.2	5.34	177	118.5	66.98	75.54	1	1	0	0	0	8.56	11.33245536
1765	10/12/2020	7	7.3	7.3.4.3	2300054459	960	40	20.2	30	2.4	21.2	2.1	72	44.5	61.83	75.53	1	1	1	0	0	13.70	18.13407476
1766	10/12/2020	7	7.3	7.3.4.3	2300054451	960	40	20.4	30	2.5	20.8	1.8	75	37.4	49.92	75.53	1	1	1	1	1	25.61	33.9070568
1767	10/12/2020	7	7.3	7.3.4.3	2300054513	972	17	27.3	31	1.8	16.4	0.9	56	14.8	26.45	75.61	1	1	1	1	1	49.16	65.01424091
1768	10/12/2020	7	7.3	7.3.4.3	2300054477	883	106	64.7	20	7.03	15	6.4	141	96.0	68.28	75.04	1	0	0	0	0	6.76	9.006725836
1769	10/12/2020	7	7.3	7.3.4.3	2300054210	990	40.2	20.2	32	2.4	10.1	1.8	77	18.2	23.67	75.72	1	1	1	1	1	52.05	68.73844457

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1770	10/12/2020	7	7.3	7.3.4.3	2300054243	974	83	37.5	30	6.6	13.4	5.8	198	77.7	39.25	75.62	1	1	1	1	1	36.37	48.0921279
1771	10/12/2020	7	7.3	7.3.4.3	NA	978	135	60.9	30	6.4	21.8	5.6	192	122.1	63.58	75.65	1	1	1	0	0	12.06	15.94531664
1772	10/12/2020	7	7.3	7.3.4.3	2300053889	871	137	65.5	32	5.3	23.3	4.7	170	109.5	64.57	74.96	1	1	0	0	0	10.39	13.86175171
1773	10/12/2020	7	7.3	7.3.4.3	2300054920	855	136	69.7	32	5.09	23.8	4.7	163	111.9	68.68	74.86	1	0	0	0	0	6.18	8.257866721
1774	10/12/2020	7	7.3	7.3.4.3	2300054927	851	20	20.1	23	2.4	18.5	1.2	55	22.2	40.22	74.83	1	1	1	1	1	34.62	46.25671326
1775	10/12/2020	7	7.3	7.3.4.3	2300054909	878	124	65.7	32	4.9	22.7	4.4	157	99.9	63.70	75.01	1	1	1	0	0	11.31	15.07391542
1776	11/12/2020	7	7.4	7.4.4.1	2300037928	880	112	50.3	32	5.7	20.4	4.8	182	97.9	53.68	75.02	1	1	1	1	1	21.33	28.43822746
1777	11/12/2020	7	7.4	7.4.4.1	2300038361	884	131	62.9	32	5.4	22.9	4.4	173	100.8	58.31	75.04	1	1	1	1	0	16.73	22.29825703
1778	11/12/2020	7	7.4	7.4.4.1	2300037927	888	85	63	31	5.3	14.9	4.9	164	73.0	44.44	75.07	1	1	1	1	1	30.63	40.80527636
1779	11/12/2020	7	7.4	7.4.4.1	2300048947	880	134	66.7	31	5.3	23.3	4.8	164	111.8	68.07	75.02	1	0	0	0	0	6.95	9.260973958
1780	11/12/2020	7	7.4	7.4.4.1	2300037926	864	108	51.2	31	5.1	19	4.8	158	91.2	57.69	74.92	1	1	1	1	0	17.23	23.00000335
1781	11/12/2020	7	7.4	7.4.4.1	2300038244	845	90	63.4	32	5.6	15	5.6	179	84.0	46.88	74.79	1	1	1	1	1	27.92	37.32786052
1782	11/12/2020	7	7.4	7.4.4.1	2300038142	889	120	42.6	31	5.7	17.5	5.8	177	101.5	57.44	75.08	1	1	1	1	0	17.63	23.48780153
1783	11/12/2020	7	7.4	7.4.4.1	2300038146	915	134	65.3	32	5.5	23.6	4.8	176	113.3	64.36	75.24	1	1	0	0	0	10.88	14.45783424
1784	11/12/2020	7	7.4	7.4.4.1	2300037432	910	134	65.5	31	5.5	3.37	4.8	171	16.2	9.49	75.21	1	1	1	1	1	65.72	87.38546732
1785	11/12/2020	7	7.4	7.4.4.1	2300039210	926	121	52.6	31	6.2	20.5	5.1	192	104.6	54.40	75.31	1	1	1	1	1	20.92	27.77223669
1786	11/12/2020	7	7.4	7.4.4.1	2300039203	920	20	18.8	31	2.4	18.4	1.4	74	25.8	34.62	75.27	1	1	1	1	1	40.65	54.00316721
1787	11/12/2020	7	7.4	7.4.4.1	2300046364	918	18	20.2	30	2.6	20.1	1.6	78	32.2	41.23	75.26	1	1	1	1	1	34.03	45.21643393
1788	11/12/2020	7	7.4	7.4.4.1	2300037909	926	20	20.4	30	2.4	15.5	1.4	72	21.7	30.14	75.31	1	1	1	1	1	45.17	59.98150519
1789	11/12/2020	7	7.4	7.4.4.1	2300045964	930	47	32.9	31	6.4	12.5	5.3	198	66.3	33.39	75.34	1	1	1	1	1	41.95	55.67689998
1790	11/12/2020	7	7.4	7.4.4.1	2300038375	931	128	65.1	32	5.4	22.4	5.01	173	112.2	64.94	75.34	1	1	0	0	0	10.40	13.80322301
1791	11/12/2020	7	7.4	7.4.4.1	2300045945	937	20	18.2	29	2.4	20.1	2.1	70	42.2	60.65	75.38	1	1	1	0	0	14.74	19.54855521
1792	11/12/2020	7	7.4	7.4.4.1	2300045957	930	15	17.4	32	4	25.2	2.4	128	60.5	47.25	75.34	1	1	1	1	1	28.09	37.28264621
1793	11/12/2020	7	7.4	7.4.4.1	2300037640	901	22	28.6	32	2.1	17	1.2	67	20.4	30.36	75.15	1	1	1	1	1	44.80	59.60589035
1794	11/12/2020	7	7.4	7.4.4.1	2300037660	928	20	26.6	32	2.1	16.1	1.1	67	17.7	26.35	75.33	1	1	1	1	1	48.97	65.01281554
1795	11/12/2020	7	7.4	7.4.4.1	2300045951	934	26	23.1	32	3.8	24	1.2	122	28.8	23.68	75.36	1	1	1	1	1	51.68	68.57340875
1796	11/12/2020	7	7.4	7.4.4.1	2300036989	921	17	21.6	32	1.7	24.4	0.7	54	17.1	31.40	75.28	1	1	1	1	1	43.88	58.29318279
1797	11/12/2020	7	7.4	7.4.4.1	2300036986	958	133	55.4	31	6.6	23	5.4	205	124.2	60.70	75.52	1	1	1	0	0	14.81	19.61591225
1798	11/12/2020	7	7.4	7.4.4.1	2300036841	946	18	23.2	30	1.8	15.9	0.8	54	12.7	23.56	75.44	1	1	1	1	1	51.88	68.77594027
1799	11/12/2020	7	7.4	7.4.4.1	2300037889	948	16	23.7	31	1.6	22.9	0.7	50	16.0	32.32	75.45	1	1	1	1	1	43.13	57.16742512

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1800	11/12/2020	7	7.4	7.4.4.3	2300046965	950	14	28.1	31	1.4	23.5	0.1	43	2.4	5.41	75.47	1	1	1	1	1	70.05	92.82491911
1801	11/12/2020	7	7.4	7.4.4.3	2300037931	958	135	57.4	31	6.6	22.8	5.6	205	127.7	62.40	75.52	1	1	1	0	0	13.11	17.36360447
1802	11/12/2020	7	7.4	7.4.4.3	2300037662	896	18	26.6	32	1.9	16.1	1.03	61	16.6	27.27	75.12	1	1	1	1	1	47.85	63.69205828
1803	11/12/2020	7	7.4	7.4.4.3	2300037914	892	33	28.6	32	3.5	16.5	2.7	112	44.6	39.78	75.09	1	1	1	1	1	35.32	47.03123823
1804	11/12/2020	7	7.4	7.4.4.3	2300045950	833	9	27.1	30	1.1	15.3	0.6	33	9.2	27.82	74.72	1	1	1	1	1	46.90	62.7687041
1805	11/12/2020	7	7.4	7.4.4.3	2300045975	868	17	26.9	31	1.6	16.3	0.8	50	13.0	26.29	74.94	1	1	1	1	1	48.65	64.91873285
1806	11/12/2020	7	7.4	7.4.4.3	2300038357	860	13	27.2	31	1.3	16.5	0.6	40	9.9	24.57	74.89	1	1	1	1	1	50.32	67.1975473
1807	11/12/2020	7	7.4	7.4.4.3	2300039201	856	16	27.5	32	1.8	15.6	1.02	58	15.9	27.63	74.86	1	1	1	1	1	47.24	63.09995138
1808	11/12/2020	7	7.4	7.4.4.3	2300037944	870	26	17.5	32	2.3	24.5	1.3	74	31.9	43.27	74.95	1	1	1	1	1	31.68	42.26531403
1809	11/12/2020	7	7.4	7.4.4.3	2300039209	861	134	59.6	32	6.1	21.8	5.3	195	115.5	59.19	74.90	1	1	1	1	0	15.71	20.97006829
1810	11/12/2020	7	7.4	7.4.4.3	2300036633	868	17	53.2	32	2.8	19	2.4	90	45.6	50.89	74.94	1	1	1	1	1	24.05	32.0896154
1811	11/12/2020	7	7.4	7.4.4.3	2300039232	845	136	57	31	6.1	21.5	5.2	189	111.8	59.12	74.79	1	1	1	1	0	15.67	20.95334173
1812	11/12/2020	7	7.4	7.4.4.3	2300036630	851	24	20	32	2.1	18.1	1.2	67	21.7	32.32	74.83	1	1	1	1	1	42.51	56.80824272
1813	11/12/2020	7	7.4	7.4.4.3	2300037933	856	19	26.9	30	2.2	15.2	1.2	66	18.2	27.64	74.86	1	1	1	1	1	47.23	63.08477242
1814	11/12/2020	7	7.4	7.4.4.3	2300045982	875	24	27	31	2.5	15.8	1.3	78	20.5	26.50	74.99	1	1	1	1	1	48.48	64.655768
1815	11/12/2020	7	7.4	7.4.4.3	2300045966	868	20	26.1	31	2.1	16	1.1	65	17.6	27.04	74.94	1	1	1	1	1	47.91	63.92460988
1816	11/12/2020	7	7.4	7.4.4.3	2300046367	830	31	29	31	3	16.2	1.7	93	27.5	29.61	74.70	1	1	1	1	1	45.09	60.35649786
1817	11/12/2020	7	7.4	7.4.4.3	2300037657	836	32	27.5	30	3.3	15.7	1.8	99	28.3	28.55	74.74	1	1	1	1	1	46.19	61.80515178
1818	11/12/2020	7	7.4	7.4.4.3	2300037921	844	103	63	21	6.3	15.2	5.6	132	85.1	64.34	74.79	1	1	0	0	0	10.45	13.97153494
1819	11/12/2020	7	7.4	7.4.4.3	2300036843	840	20	20	20	6.3	16.2	1.6	126	25.9	20.57	74.76	1	1	1	1	1	54.19	72.48411149
1820	11/12/2020	7	7.4	7.4.4.3	2300036932	888	128	57	32	6.02	20.8	5.2	193	108.2	56.15	75.07	1	1	1	1	1	18.92	25.20743607
1821	11/12/2020	7	7.4	7.4.4.3	2300046361	891	79	38.3	31	5.8	16.6	4.3	180	71.4	39.70	75.09	1	1	1	1	1	35.39	47.12942839
1822	11/12/2020	7	7.4	7.4.4.3	2300046360	868	126	58.2	30	5.9	20.7	5.2	177	107.6	60.81	74.94	1	1	1	0	0	14.13	18.85163392
1823	11/12/2020	7	7.4	7.4.4.3	2300036990	864	43	11.1	31	6.2	12.6	4.3	192	54.2	28.19	74.92	1	1	1	1	1	46.73	62.37180767
1824	11/12/2020	7	7.4	7.4.4.2	2300037450	874	92	42.7	31	6.1	18	4.4	189	79.2	41.88	74.98	1	1	1	1	1	33.10	44.14133738
1825	11/12/2020	7	7.4	7.4.4.2	2300037877	985	104	40.1	31	7.5	14.6	6.6	233	96.4	41.45	75.69	1	1	1	1	1	34.24	45.24354434
1826	11/12/2020	7	7.4	7.4.4.2	2300035781	948	128	40.9	31	7.2	19.9	5.9	223	117.4	52.60	75.45	1	1	1	1	1	22.85	30.28387584
1827	11/12/2020	7	7.4	7.4.4.2	2300036848	987	11	68.9	32	7.09	23.6	6.5	227	153.4	67.61	75.70	1	1	0	0	0	8.09	10.68648058
1828	11/12/2020	7	7.4	7.4.4.2	2300037455	980	84	36.5	31	6.6	17.2	4.4	205	75.7	36.99	75.66	1	1	1	1	1	38.67	51.10993244
1829	11/12/2020	7	7.4	7.4.4.2	2300036636	970	46	15	30	3.4	15.4	0.9	102	13.9	13.59	75.59	1	1	1	1	1	62.01	82.02471718

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1830	11/12/2020	7	7.4	7.4.4.2	2300035163	965	101	61.9	31	7.2	23.8	5.9	223	140.4	62.91	75.56	1	1	1	0	0	12.65	16.74097247
1831	11/12/2020	7	7.4	7.4.4.2	2300035433	966	47	29.7	31	4.5	16.1	2.6	140	41.9	30.01	75.57	1	1	1	1	1	45.56	60.29138045
1832	11/12/2020	7	7.4	7.4.4.2	NA	956	65	33.5	31	5.6	16.4	3.6	174	59.0	34.01	75.50	1	1	1	1	1	41.50	54.95730502
1833	11/12/2020	7	7.4	7.4.4.2	2300035783	970	35	21.1	31	1.8	22.9	0.7	56	16.0	28.73	75.59	1	1	1	1	1	46.87	61.99751493
1834	11/12/2020	7	7.4	7.4.4.2	2300034953	978	83	38.1	32	6.3	22.7	4.5	202	102.2	50.67	75.65	1	1	1	1	1	24.98	33.0167111
1835	11/12/2020	7	7.4	7.4.4.2	2300037416	950	42	26.7	30	4.6	15.1	2.6	138	39.3	28.45	75.47	1	1	1	1	1	47.02	62.30186394
1836	11/12/2020	7	7.4	7.4.4.2	2300035467	948	113	46.7	32	6.8	18.9	5.9	218	111.5	51.25	75.45	1	1	1	1	1	24.21	32.08319274
1837	11/12/2020	7	7.4	7.4.4.2	2300035759	978	51	69.5	31	6.5	11	4.8	202	52.8	26.20	75.65	1	1	1	1	1	49.44	65.36003085
1838	11/12/2020	7	7.4	7.4.4.2	2300035761	965	78	35.7	31	7.1	16.4	4.3	220	70.5	32.04	75.56	1	1	1	1	1	43.52	57.59775836
1839	11/12/2020	7	7.4	7.4.4.2	2300035822	950	82	38.9	31	7	13.2	6.6	217	87.1	40.15	75.47	1	1	1	1	1	35.32	46.80059174
1840	11/12/2020	7	7.4	7.4.4.2	2300035095	955	86	28.3	31	6.9	14.1	6.01	214	84.7	39.62	75.50	1	1	1	1	1	35.88	47.52561551
1841	11/12/2020	7	7.4	7.4.4.2	2300036046	954	53	68.5	31	5.1	17.4	6.01	158	104.6	66.14	75.49	1	1	0	0	0	9.35	12.38202327
1842	11/12/2020	7	7.4	7.4.4.2	2300035515	958	89	66.4	30	6.7	16.9	6.5	201	109.9	54.65	75.52	1	1	1	1	1	20.87	27.63007461
1843	11/12/2020	7	7.4	7.4.4.2	2300037475	950	72	68.2	32	6.3	15.1	6.3	202	95.1	47.19	75.47	1	1	1	1	1	28.28	37.47184162
1844	11/12/2020	7	7.4	7.4.4.2	2300037555	958	18	58.5	31	7.01	23.5	4.2	217	98.7	45.42	75.52	1	1	1	1	1	30.10	39.85610338
1845	11/12/2020	7	7.4	7.4.4.2	2300037745	948	132	52.6	31	7.1	20.1	6.2	220	124.6	56.62	75.45	1	1	1	1	0	18.83	24.96048105
1846	11/12/2020	7	7.4	7.4.4.2	2300035583	961	128	56.7	31	6.7	22.4	6.04	208	135.3	65.14	75.54	1	1	0	0	0	10.40	13.76329038
1847	11/12/2020	7	7.4	7.4.4.2	2300035787	944	32	24.1		2.2	25	0.9	0	22.5	#DIV/0!	75.43	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
1848	11/12/2020	7	7.4	7.4.4.4	2300037938	922	95	40.7	30	6	15.6	6.09	180	95.0	52.78	75.29	1	1	1	1	1	22.51	29.89474915
1849	11/12/2020	7	7.4	7.4.4.4	2300036826	962	47	32.5	32	4.2	13.2	2.6	134	34.3	25.54	75.54	1	1	1	1	1	50.01	66.19702435
1850	11/12/2020	7	7.4	7.4.4.4	2300035788	922	18	29	30	1.8	21.3	0.7	54	14.9	27.61	75.29	1	1	1	1	1	47.68	63.32542875
1851	11/12/2020	7	7.4	7.4.4.4	2300037422	953	11.5	15.9	31	3.2	5.7	2.8	99	16.0	16.09	75.49	1	1	1	1	1	59.40	78.6862727
1852	11/12/2020	7	7.4	7.4.4.4	2300035762	951	45	26.6	30	5.5	14.3	2.9	165	41.5	25.13	75.47	1	1	1	1	1	50.34	66.69864304
1853	11/12/2020	7	7.4	7.4.4.4	2300038379	980	17	26	30	1.6	20.4	0.6	48	12.2	25.50	75.66	1	1	1	1	1	50.16	66.29569907
1854	11/12/2020	7	7.4	7.4.4.4	2300036825	963	22	23.7	30	2.07	23.2	0.6	62	13.9	22.42	75.55	1	1	1	1	1	53.13	70.32998505
1855	11/12/2020	7	7.4	7.4.4.4	2300035705	980	30	26.5	30	1.6	16.8	0.8	48	13.4	28.00	75.66	1	1	1	1	1	47.66	62.99135584
1856	11/12/2020	7	7.4	7.4.4.4	2300035696	968	32	20.3	30	5.6	6.2	5.1	168	31.6	18.82	75.58	1	1	1	1	1	56.76	75.09773784
1857	11/12/2020	7	7.4	7.4.4.4	2300035512	968	17	17	30	3.7	6.4	3.6	111	23.0	20.76	75.58	1	1	1	1	1	54.82	72.53714316
1858	11/12/2020	7	7.4	7.4.4.4	2300035518	980	12.5	33.3	30	1.09	16.9	0.6	33	10.1	31.01	75.66	1	1	1	1	1	44.65	59.01401793
1859	11/12/2020	7	7.4	7.4.4.4	2300035523	962	22	41.2	22	3.4	14.6	1.5	75	21.9	29.28	75.54	1	1	1	1	1	46.26	61.24306371

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1860	11/12/2020	7	7.4	7.4.4.4	2300035701	945	16	22.8	32	1.4	17.2	0.6	45	10.3	23.04	75.43	1	1	1	1	1	52.40	69.46242505
1861	11/12/2020	7	7.4	7.4.4.4	2300035520	948	29	25.4	32	3.2	15.7	1.7	102	26.7	26.06	75.45	1	1	1	1	1	49.39	65.45613291
1862	11/12/2020	7	7.4	7.4.4.4	2300036442	961	26	20.6	30	2.07	11.2	0.8	62	9.0	14.43	75.54	1	1	1	1	1	61.11	80.8988231
1863	11/12/2020	7	7.4	7.4.4.4	2300035697	964	15	23.6	31	1.4	15.9	0.6	43	9.5	21.98	75.56	1	1	1	1	1	53.57	70.90676691
1864	11/12/2020	7	7.4	7.4.4.4	2300036089	944	99	64.5	30	6.6	15	5.9	198	88.5	44.70	75.43	1	1	1	1	1	30.73	40.74189064
1865	11/12/2020	7	7.4	7.4.4.4	2300035516	975	92	57.2	29	6.9	14.2	5.9	200	83.8	41.87	75.63	1	1	1	1	1	33.76	44.63667857
1866	11/12/2020	7	7.4	7.4.4.4	2300035807	987	95	40.7	30	7.3	14.5	6.6	219	95.7	43.70	75.70	1	1	1	1	1	32.00	42.27607151
1867	11/12/2020	7	7.4	7.4.4.4	2300037474	990	26	25.3	30	2.3	1.6	1.9	69	3.0	4.41	75.72	1	1	1	1	1	71.32	94.18161551
1868	11/12/2020	7	7.4	7.4.4.4	2300035498	992	92	41.9	30	6.5	14.7	5.7	195	83.8	42.97	75.73	1	1	1	1	1	32.77	43.26355814
1869	11/12/2020	7	7.4	7.4.4.4	2300037462	992	100	46.8	30	6.3	19.5	4.6	189	89.7	47.46	75.73	1	1	1	1	1	28.27	37.33354091
1870	11/12/2020	7	7.4	7.4.4.4	2300037466	992	71	32.7	30	6.5	12.5	5.3	195	66.3	33.97	75.73	1	1	1	1	1	41.76	55.14035955
1871	11/12/2020	7	7.4	7.4.4.4	2300035694	961	114	50	30	6.5	20.3	4.9	195	99.5	51.01	75.54	1	1	1	1	1	24.53	32.46930432
1872	11/12/2020	7	7.4	7.4.3.1	2300048724	982	83	40.4	30	6.2	14.4	5.3	186	76.3	41.03	75.67	1	1	1	1	1	34.64	45.77530822
1873	11/12/2020	7	7.4	7.4.3.1	2300048694	978	42	26	29	5.1	11.1	3.6	148	40.0	27.02	75.65	1	1	1	1	1	48.63	64.28292135
1874	11/12/2020	7	7.4	7.4.3.1	2300048719	987	77	36.5	30	6.36	13.5	5.3	191	71.6	37.50	75.70	1	1	1	1	1	38.20	50.46418362
1875	11/12/2020	7	7.4	7.4.3.1	2300048716	991	115	51.6	30	6.5	20.9	5.04	195	105.3	54.02	75.73	1	1	1	1	1	21.71	28.66815945
1876	11/12/2020	7	7.4	7.4.3.1	2300048728	995	99	63	20	6.9	14.6	6.2	138	90.5	65.59	75.75	1	1	0	0	0	10.16	13.4115652
1877	11/12/2020	7	7.4	7.4.3.1	-	997	81	58.7	28	6.2	14.4	5.1	174	73.4	42.30	75.77	1	1	1	1	1	33.46	44.16532378
1878	11/12/2020	7	7.4	7.4.3.1	-	988	88	40.5	30	6.5	14.4	5.6	195	80.6	41.35	75.71	1	1	1	1	1	34.36	45.37804368
1879	11/12/2020	7	7.4	7.4.3.1	-	985	89	40.6	29	5.9	15.6	4.6	171	71.8	41.94	75.69	1	1	1	1	1	33.75	44.58926445
1880	11/12/2020	7	7.4	7.4.3.1	-	974	73	36.9	30	6.1	13.9	4.9	183	68.1	37.22	75.62	1	1	1	1	1	38.40	50.78183535
1881	11/12/2020	7	7.4	7.4.3.1	2300048693	979	86	38.3	30	6.7	14.5	5.5	201	79.8	39.68	75.65	1	1	1	1	1	35.97	47.55349931
1882	11/12/2020	7	7.4	7.4.3.1	2300045920	980	107	63.9	20	7.3	14.8	6.5	146	96.2	65.89	75.66	1	1	0	0	0	9.77	12.91018668
1883	11/12/2020	7	7.4	7.4.3.1	2300046370	979	94	41	30	6.7	14.3	6.09	201	87.1	43.33	75.65	1	1	1	1	1	32.32	42.72842125
1884	11/12/2020	7	7.4	7.4.3.1	-	977	19	27	31	2.1	16.1	1.1	65	17.7	27.20	75.64	1	1	1	1	1	48.43	64.03393354
1885	11/12/2020	7	7.4	7.4.3.1	-	980	94	40.2	30	6.9	18.7	4.5	207	84.2	40.65	75.66	1	1	1	1	1	35.01	46.26850576
1886	11/12/2020	7	7.4	7.4.3.1	-	983	46	27.1	30	2.09	13.6	1.9	63	25.8	41.21	75.68	1	1	1	1	1	34.47	45.54222248
1887	11/12/2020	7	7.4	7.4.3.1	-	989	136	62.5	30	6.4	22.6	5.4	192	122.0	63.56	75.72	1	1	1	0	0	12.15	16.05098553
1888	11/12/2020	7	7.4	7.4.3.1	2300046365	980	93	44.1	30	6.3	14.7	5.8	189	85.3	45.11	75.66	1	1	1	1	1	30.55	40.37496218
1889	11/12/2020	7	7.4	7.4.3.1	2300045917	985	46	18.7	29	4.5	5.6	4.5	131	25.2	19.31	75.69	1	1	1	1	1	56.38	74.48758776

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1890	11/12/2020	7	7.4	7.4.3.1	2300049323	988	114	57.7	30	6.5	23.1	4.4	195	101.6	52.12	75.71	1	1	1	1	1	23.59	31.15357589
1891	11/12/2020	7	7.4	7.4.3.1	2300045907	989	48	32.7	30	6.2	12.8	2.9	186	37.1	19.96	75.72	1	1	1	1	1	55.76	73.64216985
1892	11/12/2020	7	7.4	7.4.3.1	2300047932	986	104	63.3	19	7.2	14.6	6.4	137	93.4	68.30	75.70	1	0	0	0	0	7.39	9.765730514
1893	11/12/2020	7	7.4	7.4.3.1	-	993	130	52.9	30	7.1	21.5	5.5	213	118.3	55.52	75.74	1	1	1	1	1	20.22	26.70246586
1894	11/12/2020	7	7.4	7.4.3.1	2300048676	992	78	37.2	29	6.4	13.3	5.4	186	71.8	38.70	75.73	1	1	1	1	1	37.04	48.90575972
1895	11/12/2020	7	7.4	7.4.3.1	-	1002	81	55.8	29	6.9	12.8	5.8	200	74.2	37.10	75.80	1	1	1	1	1	38.70	51.05272211
1896	11/12/2020	7	7.4	7.4.3.3	2300049098	1003	77	54.2	19	6.5	13.3	5.3	124	70.5	57.08	75.81	1	1	1	1	0	18.73	24.70579449
1897	11/12/2020	7	7.4	7.4.3.3	2300048790	997	130	54	30	7.1	19.9	5.9	213	117.4	55.12	75.77	1	1	1	1	1	20.64	27.24773156
1898	11/12/2020	7	7.4	7.4.3.3	2300048718	996	81	35.1	30	6.9	12.8	5.8	207	74.2	35.86	75.76	1	1	1	1	1	39.90	52.66031555
1899	11/12/2020	7	7.4	7.4.3.3	2300048808	991	80	35.1	30	6.9	12.9	5.7	207	73.5	35.52	75.73	1	1	1	1	1	40.21	53.09323962
1900	11/12/2020	7	7.4	7.4.3.3	2300049358	991	100	45.8	30	6.5	18.9	4.8	195	90.7	46.52	75.73	1	1	1	1	1	29.21	38.56587895
1901	11/12/2020	7	7.4	7.4.3.3	2300048806	997	75	36.2	29	6.3	13.3	5.2	183	69.2	37.85	75.77	1	1	1	1	1	37.91	50.03826725
1902	11/12/2020	7	7.4	7.4.3.3	2300048811	994	80	40	29	6.8	13.3	5.7	197	75.8	38.44	75.75	1	1	1	1	1	37.30	49.24828659
1903	11/12/2020	7	7.4	7.4.3.3	2300048809	1018	134	56.3	32	7.1	24	5.3	227	127.2	55.99	75.90	1	1	1	1	1	19.92	26.23843168
1904	11/12/2020	7	7.4	7.4.3.3	2300048821	564	16	63.1	32	3.8	24	3.6	122	86.4	71.05	73.00	0	0	0	0	0	1.94	2.661761012
1905	11/12/2020	7	7.4	7.4.3.3	2300048815	651	27	30.5	32	2.6	24.4	2.3	83	56.1	67.45	73.55	1	0	0	0	0	6.10	8.294055562
1906	11/12/2020	7	7.4	7.4.3.3	2300048812	1013	27	25.1	31	3.1	15.7	1.6	96	25.1	26.14	75.87	1	1	1	1	1	49.73	65.54670659
1907	11/12/2020	7	7.4	7.4.3.3	2300048374	958	26	28	31	2.7	15.8	1.5	84	23.7	28.32	75.52	1	1	1	1	1	47.20	62.50468478
1908	11/12/2020	7	7.4	7.4.3.3	2300049324	985	129	70	31	4.5	24	4.09	140	98.2	70.37	75.69	1	0	0	0	0	5.32	7.034494124
1909	11/12/2020	7	7.4	7.4.3.3	2300044024	766	78	53.9	20	6.3	13.4	5.3	126	71.0	56.37	74.29	1	1	1	1	0	17.92	24.12667474
1910	11/12/2020	7	7.4	7.4.3.3	2300049317	1005	23	28.7	31	2.4	16.4	1.3	74	21.3	28.66	75.82	1	1	1	1	1	47.16	62.20433937
1911	11/12/2020	7	7.4	7.4.3.3	2300049322	995	97	61.6	20	7.03	14.7	6.1	141	89.7	63.78	75.75	1	1	1	0	0	11.98	15.81082001
1912	11/12/2020	7	7.4	7.4.3.3	2300049247	989	25	27	30	2.6	15.5	1.4	78	21.7	27.82	75.72	1	1	1	1	1	47.90	63.25656427
1913	11/12/2020	7	7.4	7.4.3.3	2300049245	991	35	29	30	3.5	15.7	2.05	105	32.2	30.65	75.73	1	1	1	1	1	45.08	59.52326874
1914	11/12/2020	7	7.4	7.4.3.3	2300049357	948	24	27	30	2.6	15.8	1.4	78	22.1	28.36	75.45	1	1	1	1	1	47.09	62.41514693
1915	11/12/2020	7	7.4	7.4.3.3	2300049202	965	36	29.1	30	3.7	15.6	2.2	111	34.3	30.92	75.56	1	1	1	1	1	44.64	59.08139155
1916	11/12/2020	7	7.4	7.4.3.3	2300049359	985	127	58.2	30	7.1	20.4	5.1	213	104.0	48.85	75.69	1	1	1	1	1	26.84	35.46694356
1917	11/12/2020	7	7.4	7.4.3.3	2300049246	978	26	23.1	31	2.6	14.4	1.3	81	18.7	23.23	75.65	1	1	1	1	1	52.42	69.29639098
1918	11/12/2020	7	7.4	7.4.3.3	2300048903	990	45	22.8	30	2.3	24.8	1.8	69	44.6	64.70	75.72	1	1	0	0	0	11.03	14.56161727
1919	11/12/2020	7	7.4	7.4.3.3	2300049780	975	124	51.6	30	7.06	19.3	5.9	212	113.9	53.76	75.63	1	1	1	1	1	21.86	28.90939102

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1920	11/12/2020	7	7.4	7.4.3.2	NA	978	47	26	30	3.5	14.7	2.6	105	38.2	36.40	75.65	1	1	1	1	1	39.25	5188062164
1921	11/12/2020	7	7.4	7.4.3.2	2300048745	980	138	56.5	30	7.1	20.7	6.1	213	126.3	59.28	75.66	1	1	1	1	0	16.38	21.64517944
1922	11/12/2020	7	7.4	7.4.3.2	2300048678	986	116	48	30	6.8	22.5	4.5	204	101.3	49.63	75.70	1	1	1	1	1	26.06	34.43234693
1923	11/12/2020	7	7.4	7.4.3.2	2300047988	974	38	26.6	31	4.2	16	2.2	130	35.2	27.04	75.62	1	1	1	1	1	48.58	64.24825011
1924	11/12/2020	7	7.4	7.4.3.2	2300048674	981	54	26.1	30	6.2	15.1	3.3	186	49.8	26.79	75.66	1	1	1	1	1	48.87	64.59322669
1925	11/12/2020	7	7.4	7.4.3.2	2300049153	978	26	31	31	3.2	16.5	2.6	99	42.9	43.25	75.65	1	1	1	1	1	32.40	42.83051966
1926	11/12/2020	7	7.4	7.4.3.2	2300048607	975	31	25.6	31	3.1	23.3	2.7	96	62.9	65.46	75.63	1	1	0	0	0	10.16	13.43842156
1927	11/12/2020	7	7.4	7.4.3.2	2300048658	980	93	38.2	30	6.9	14.1	5.01	207	70.6	34.13	75.66	1	1	1	1	1	41.53	54.89427826
1928	11/12/2020	7	7.4	7.4.3.2	-	780	130	49.4	31	4.6	21	3.9	143	81.9	57.43	74.38	1	1	1	1	0	16.94	22.78176331
1929	11/12/2020	7	7.4	7.4.3.2	-	1004	32	15.5	30	2.8	23.9	1.1	84	26.3	31.30	75.81	1	1	1	1	1	44.51	58.71658289
1930	11/12/2020	7	7.4	7.4.3.2	2300049110	1001	29	28	30	3.1	15.8	1.7	93	26.9	28.88	75.79	1	1	1	1	1	46.91	61.89364576
1931	11/12/2020	7	7.4	7.4.3.2	2300048681	971	49	28.6	19	2.9	14.4	2.2	55	31.7	57.50	75.60	1	1	1	1	0	18.10	23.94820293
1932	11/12/2020	7	7.4	7.4.3.2	-	995	11	25.4	30	2.3	15.3	1.2	69	18.4	26.61	75.75	1	1	1	1	1	49.15	64.87486383
1933	11/12/2020	7	7.4	7.4.3.2	2300048655	984	27	28.9	30	2.7	24.8	1.3	81	32.2	39.80	75.68	1	1	1	1	1	35.88	47.40938706
1934	11/12/2020	7	7.4	7.4.3.2	2300048667	975	40	29.3	30	4.1	14.9	2.5	123	37.3	30.28	75.63	1	1	1	1	1	45.34	59.95483981
1935	11/12/2020	7	7.4	7.4.3.2	2300048648	970	129	54.6	30	7.1	20.3	6.03	213	122.4	57.47	75.59	1	1	1	1	0	18.12	23.97675201
1936	11/12/2020	7	7.4	7.4.3.2	2300048643	988	27	26.6	30	3.09	15.9	1.6	93	25.4	27.44	75.71	1	1	1	1	1	48.27	63.75161051
1937	11/12/2020	7	7.4	7.4.3.2	2300048646	1018	26	22	30	2.5	16	1.1	75	17.6	23.47	75.90	1	1	1	1	1	52.43	69.08261442
1938	11/12/2020	7	7.4	7.4.3.2	2300048233	1005	128	52.8	30	7.3	20.1	5.9	219	118.6	54.15	75.82	1	1	1	1	1	21.67	28.57806203
1939	11/12/2020	7	7.4	7.4.3.2	2300048221	1001	134	56.3	30	7.2	21.2	5.9	216	125.1	57.91	75.79	1	1	1	1	0	17.88	23.597343
1940	11/12/2020	7	7.4	7.4.3.2	2300048818	1001	13	25	30	1.6	15.3	0.8	48	12.2	25.50	75.79	1	1	1	1	1	50.29	66.35546572
1941	11/12/2020	7	7.4	7.4.3.2	2300051472	940	49	39.5	30	4.04	17.4	2.9	121	50.5	41.63	75.40	1	1	1	1	1	33.77	44.78440444
1942	11/12/2020	7	7.4	7.4.3.4	2300048905	991	46	29.9	33	6.6	17.4	2.2	218	38.3	17.58	75.73	1	1	1	1	1	58.15	76.79106177
1943	11/12/2020	7	7.4	7.4.3.4	2300049294	1011	48	16.8	32	5.08	16.3	3.9	163	63.6	39.11	75.86	1	1	1	1	1	36.75	48.44790812
1944	11/12/2020	7	7.4	7.4.3.4	2300048736	1135	42	26.2	30	4.9	16.2	7.1	147	115.0	78.24	76.65	0	0	0	0	0	-1.59	-2.080754024
1945	11/12/2020	7	7.4	7.4.3.4	2300048911	1140	72	28.7	32	7.3	15.7	5.4	234	84.8	36.29	76.68	1	1	1	1	1	40.39	52.67102029
1946	11/12/2020	7	7.4	7.4.3.4	2300048657	1147	77	25	32	7.2	10.8	6.1	230	65.9	28.59	76.73	1	1	1	1	1	48.13	62.73303461
1947	11/12/2020	7	7.4	7.4.3.4	2300049741	1159	89	28.6	31	7.9	11.9	7.1	245	84.5	34.50	76.80	1	1	1	1	1	42.30	55.08049644
1948	11/12/2020	7	7.4	7.4.3.4	2300048677	1141	112	39.9	31	8.1	14.5	2.2	251	31.9	12.70	76.69	1	1	1	1	1	63.98	83.4341283
1949	11/12/2020	7	7.4	7.4.3.4	2300049022	1127	36	28.5	31	3.9	16	2.1	121	33.6	27.79	76.60	1	1	1	1	1	48.81	63.71801742

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1950	11/12/2020	7	7.4	7.4.3.4	2300048732	1088	34	25.2	31	4.05	15	1.7	126	25.5	20.31	76.35	1	1	1	1	1	56.04	73.39771312
1951	11/12/2020	7	7.4	7.4.3.4	2300048731	1094	28	26.1	31	3.2	15.1	6.4	99	96.6	97.42	76.39	1	1	1	1	1	-21.03	-27.53294362
1952	11/12/2020	7	7.4	7.4.3.4	2300049633	667	32	28.4	29	3.3	15	4.02	96	60.3	63.01	73.65	1	1	0	0	0	10.65	14.45309146
1953	11/12/2020	7	7.4	7.4.3.4	2300049888	1013	70	33	32	6.1	16.1	4.2	195	67.6	34.64	75.87	1	1	1	1	1	41.23	54.34063699
1954	11/12/2020	7	7.4	7.4.3.4	2300048644	951	100	42	31	6.7	18.1	5	208	90.5	43.57	75.47	1	1	1	1	1	31.90	42.26702705
1955	11/12/2020	7	7.4	7.4.3.4	2300048661	712	132	59.7	31	4.4	21.8	3.8	136	82.8	60.73	73.94	1	1	1	0	0	13.21	17.86470376
1956	11/12/2020	7	7.4	7.4.3.4	2300048679	604	77	38.2	32	6.6	15.5	4.4	211	68.2	32.29	73.25	1	1	1	1	1	40.96	55.91677633
1957	11/12/2020	7	7.4	7.4.3.4	2300048669	1041	79	33.1	32	6.9	16.5	4.5	221	74.3	33.63	76.05	1	1	1	1	1	42.42	55.78116385
1958	11/12/2020	7	7.4	7.4.3.4	2300048642	1034	43	29.5	31	4.3	15.9	2.5	133	39.8	29.82	76.00	1	1	1	1	1	46.18	60.76507562
1959	11/12/2020	7	7.4	7.4.3.4	2300049111	1020	32	26.2	31	3.3	14.9	2.09	102	31.1	30.44	75.91	1	1	1	1	1	45.47	59.90086122
1960	11/12/2020	7	7.4	7.4.3.4	2300049234	1028	49	31.5	31	5.5	16.4	3.4	171	55.8	32.70	75.97	1	1	1	1	1	43.26	56.94895516
1961	11/12/2020	7	7.4	7.4.3.4	2300048652	1034	89	61.4	30	7.3	15	6.4	219	96.0	43.84	76.00	1	1	1	1	1	32.17	42.32428933
1962	11/12/2020	7	7.4	7.4.3.4	2300048855	1032	24	24.3	31	4.01	16.3	1.9	124	31.0	24.91	75.99	1	1	1	1	1	51.08	67.21508045
1963	11/12/2020	7	7.4	7.4.3.4	2300053659	1032	14	19.1	31	2.03	10.4	1.9	63	19.8	31.40	75.99	1	1	1	1	1	44.59	58.67925036
1964	11/12/2020	7	7.4	7.4.3.4	2300048638	988	19	20	31	3.01	10.5	1.8	93	18.9	20.26	75.71	1	1	1	1	1	55.45	73.24623194
1965	11/12/2020	7	7.4	7.4.3.4	2300048733	981	26	16.2	31	2.03	15.8	0.9	63	14.2	22.60	75.66	1	1	1	1	1	53.07	70.13584217
1966	11/12/2020	7	7.3	7.3.3.1	2300054721	997	22	15.6	31	4.2	5.3	4.02	130	21.3	16.36	75.77	1	1	1	1	1	59.40	78.40207677
1967	11/12/2020	7	7.3	7.3.3.1	2300053731	1003	30	21.1	31	4.1	9.8	2.8	127	27.4	21.59	75.81	1	1	1	1	1	54.22	71.52002796
1968	11/12/2020	7	7.3	7.3.3.1	2300055224	1005	9.2	25.5	30	1.06	15.3	0.5	32	7.7	24.06	75.82	1	1	1	1	1	51.76	68.2705904
1969	11/12/2020	7	7.3	7.3.3.1	NA	1007	16.7	26.4	31	1.8	15.7	0.9	56	14.1	25.32	75.83	1	1	1	1	1	50.51	66.6064704
1970	11/12/2020	7	7.3	7.3.3.1	2300054666	1003	10.2	31.5	31	7.2	14.7	6.3	223	92.6	41.49	75.81	1	1	1	1	1	34.31	45.26505374
1971	11/12/2020	7	7.3	7.3.3.1	NA	997	111	45.8	31	7.1	17.6	5.7	220	100.3	45.58	75.77	1	1	1	1	1	30.19	39.84267233
1972	11/12/2020	7	7.3	7.3.3.1	2300054770	991	128	52.2	32	7.08	19.6	5.9	227	115.6	51.04	75.73	1	1	1	1	1	24.69	32.59904254
1973	11/12/2020	7	7.3	7.3.3.1	2300055241	951	138	54.1	30	7.3	21.2	5.9	219	125.1	57.11	75.47	1	1	1	1	0	18.36	24.32444807
1974	11/12/2020	7	7.3	7.3.3.1	NA	978	46	27.7	30	3.9	24	6.3	117	151.2	129.23	75.65	1	1	1	1	1	-53.59	-70.83802968
1975	11/12/2020	7	7.3	7.3.3.1	2300055347	949	8	25.8	30	0.9	15.9	6.3	27	100.2	371.00	75.46	1	1	1	1	1	-295.54	-391.6538121
1976	11/12/2020	7	7.3	7.3.3.1	2300055350	1029	30	22.3	32	2	14.7	1.4	64	20.6	32.16	75.97	1	1	1	1	1	43.82	57.67332793
1977	11/12/2020	7	7.3	7.3.3.1	2300054679	1040	32	36.6	32	2.6	14.2	2.1	83	29.8	35.84	76.04	1	1	1	1	1	40.20	52.86638153
1978	11/12/2020	7	7.3	7.3.3.1	NA	1039	28	24.2	32	2.7	23.6	0.9	86	21.2	24.58	76.04	1	1	1	1	1	51.45	67.66865346
1979	11/12/2020	7	7.3	7.3.3.1	2300055253	957	22	28	31	2.5	14.3	1.5	78	21.5	27.68	75.51	1	1	1	1	1	47.83	63.34640958

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
1980	11/12/2020	7	7.3	7.3.3.1	NA	878	48	61.4	30	5.2	24.3	4.1	156	99.6	63.87	75.01	1	1	0	0	0	11.14	14.85205744
1981	11/12/2020	7	7.3	7.3.3.1	2300057442	1094	120	54.3	30	7.4	22.9	5.6	222	128.2	57.77	76.39	1	1	1	1	0	18.62	24.37808523
1982	11/12/2020	7	7.3	7.3.3.1	NA	672	14	18.6	30	1.6	17	1.6	48	27.2	56.67	73.69	1	1	1	1	0	17.02	23.09794065
1983	11/12/2020	7	7.3	7.3.3.1	2300055332	913	76	48.6	31	4.06	18.3	3.2	126	58.6	46.53	75.23	1	1	1	1	1	28.70	38.15182385
1984	11/12/2020	7	7.3	7.3.3.1	NA	560	42	33.4	30	3.8	12.5	3.2	114	40.0	35.09	72.97	1	1	1	1	1	37.88	51.91487009
1985	11/12/2020	7	7.3	7.3.3.1	2300055288	897	17	24.3	31	1.6	16.2	0.8	50	13.0	26.13	75.13	1	1	1	1	1	49.00	65.22009155
1986	11/12/2020	7	7.3	7.3.3.1	NA	911	44	34.2	31	4.6	16.2	3.2	143	51.8	36.35	75.22	1	1	1	1	1	38.86	51.66820509
1987	11/12/2020	7	7.3	7.3.3.1	2300055301	850	24	25.6	31	2.2	22	0.8	68	17.6	25.81	74.83	1	1	1	1	1	49.02	65.51138426
1988	11/12/2020	7	7.3	7.3.3.1	2300055240	987	40	18.2	30	4	6.7	3.4	120	22.8	18.98	75.70	1	1	1	1	1	56.72	74.92386895
1989	11/12/2020	7	7.3	7.3.3.1	NA	561	26	70.5	31	2.9	24	2.6	90	62.4	69.41	72.98	0	0	0	0	0	3.57	4.886434433
1990	11/12/2020	7	7.3	7.3.3.2	NA	508	83	49.8	31	3.8	19.5	3.1	118	60.5	51.32	72.64	1	1	1	1	1	21.32	29.35329353
1991	11/12/2020	7	7.3	7.3.3.2	NA	1073	13	26.8	32	1.5	16.4	0.8	48	13.1	27.33	76.25	1	1	1	1	1	48.92	64.1545098
1992	11/12/2020	7	7.3	7.3.3.2	NA	1075	42	27.5	32	3.2	24.2	1.9	102	46.0	44.90	76.27	1	1	1	1	1	31.36	41.12403463
1993	11/12/2020	7	7.3	7.3.3.2	2300053720	1045	42	31.5	32	4.2	26.1	2.2	134	57.4	42.72	76.07	1	1	1	1	1	33.35	43.83992654
1994	11/12/2020	7	7.3	7.3.3.2	2300055410	992	29	27.5	32	3.01	16.2	1.7	96	27.5	28.59	75.73	1	1	1	1	1	47.14	62.24695557
1995	11/12/2020	7	7.3	7.3.3.2	NA	940	101	41	30	7.04	17.9	5.2	211	93.1	44.07	75.40	1	1	1	1	1	31.33	41.55066219
1996	11/12/2020	7	7.3	7.3.3.2	NA	612	15	22.7	32	1.3	15.6	0.6	42	9.4	22.50	73.30	1	1	1	1	1	50.80	69.3054017
1997	11/12/2020	7	7.3	7.3.3.2	NA	982	26	17.1	32	2.7	16.1	0.9	86	14.5	16.77	75.67	1	1	1	1	1	58.90	77.83711374
1998	11/12/2020	7	7.3	7.3.3.2	NA	900	43	28.8	32	4.2	16.2	2.4	134	38.9	28.93	75.15	1	1	1	1	1	46.22	61.50351126
1999	11/12/2020	7	7.3	7.3.3.2	2300054722	817	24	27.5	32	2.5	15.9	1.4	80	22.3	27.83	74.61	1	1	1	1	1	46.79	62.70847071
2000	11/12/2020	7	7.3	7.3.3.2	NA	971	17	24.5	32	1.6	16.4	0.6	51	9.8	19.22	75.60	1	1	1	1	1	56.38	74.57850752
2001	11/12/2020	7	7.3	7.3.3.2	NA	965	13.4	25.8	32	1.4	16.2	6.1	45	98.8	220.58	75.56	1	1	1	1	1	-145.02	-191.9196913
2002	11/12/2020	7	7.3	7.3.3.2	2300053724	950	45	30	30	6.7	12.4	5.2	201	64.5	32.08	75.47	1	1	1	1	1	43.39	57.49131796
2003	11/12/2020	7	7.3	7.3.3.2	NA	900	48	27.8	30	5.1	15.5	3	153	46.5	30.39	75.15	1	1	1	1	1	44.75	59.55585545
2004	11/12/2020	7	7.3	7.3.3.2	2300055420	867	72	37.7	32	6.1	14.1	5.2	195	73.3	37.56	74.93	1	1	1	1	1	37.37	49.87445698
2005	11/12/2020	7	7.3	7.3.3.2	2300054790	982	71	32.1	32	6.5	16.8	4.4	208	73.9	35.54	75.67	1	1	1	1	1	40.13	53.03543568
2006	11/12/2020	7	7.3	7.3.3.2	NA	851	49	27.7	32	5.1	16.7	2.7	163	45.1	27.63	74.83	1	1	1	1	1	47.20	63.07925916
2007	11/12/2020	7	7.3	7.3.3.2	2300054804	950	70	33.9	30	6.2	12.4	5.4	186	67.0	36.00	75.47	1	1	1	1	1	39.47	52.29639838
2008	11/12/2020	7	7.3	7.3.3.2	2300049284	954	22.5	28.1	32	2.1	16.6	1.2	67	19.9	29.64	75.49	1	1	1	1	1	45.85	60.73356884
2009	11/12/2020	7	7.3	7.3.3.2	2300057498	975	26	29.1	32	2.7	25.3	1.01	86	25.6	29.58	75.63	1	1	1	1	1	46.05	60.89277301

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2010	11/12/2020	7	7.3	7.3.3.2	NA	1003	24	25.7	32	2.2	17	1.1	70	18.7	26.56	75.81	1	1	1	1	1	49.24	64.95952784
2011	12/12/2020	7	7.3	7.3.3.2	2300054678	985	34	14.9	31	3.4	24.7	0.6	105	14.8	14.06	75.69	1	1	1	1	1	61.63	81.42327776
2012	12/12/2020	7	7.3	7.3.3.2	2300055049	980	15	27	31	1.6	17	0.8	50	13.6	27.42	75.66	1	1	1	1	1	48.24	63.7588162
2013	12/12/2020	7	7.3	7.3.3.2	2300051812	1030	40	35	31	3.5	26.5	1.4	109	37.1	34.19	75.98	1	1	1	1	1	41.78	54.99546133
2014	12/12/2020	7	7.3	7.3.3.3	2300055363	665	23	27.9	31	1.7	15.1	0.9	53	13.6	25.79	73.64	1	1	1	1	1	47.85	64.98265082
2015	12/12/2020	7	7.3	7.3.3.3	2300055319	995	137	55.8	31	6.4	20.5	6.01	198	123.2	62.10	75.75	1	1	1	0	0	13.65	18.02506223
2016	12/12/2020	7	7.3	7.3.3.3	2300055235	979	43	30.5	31	3.3	16.7	1.9	102	31.7	31.02	75.65	1	1	1	1	1	44.63	59.00071143
2017	12/12/2020	7	7.3	7.3.3.3	2300055245	504	46	39	31	4.6	24	2.07	143	49.7	34.84	72.61	1	1	1	1	1	37.77	52.02046274
2018	12/12/2020	7	7.3	7.3.3.3	2300055257	996	19	26.9	32	2.09	16.5	1.06	67	17.5	26.15	75.76	1	1	1	1	1	49.61	65.48155001
2019	12/12/2020	7	7.3	7.3.3.3	2300055229	983	26	23.4	31	2.5	16	1.9	78	30.4	39.23	75.68	1	1	1	1	1	36.45	48.16694268
2020	12/12/2020	7	7.3	7.3.3.3	2300055227	972	30	29.4	31	2.9	16	1.7	90	27.2	30.26	75.61	1	1	1	1	1	45.35	59.9826473
2021	12/12/2020	7	7.3	7.3.3.3	2300055262	901	17	25.5	31	2.02	15.1	1.08	63	16.3	26.04	75.15	1	1	1	1	1	49.11	65.3466851
2022	12/12/2020	7	7.3	7.3.3.3	2300055299	544	36	52.6	32	2.6	24.8	1.9	83	47.1	56.63	72.87	1	1	1	1	0	16.23	22.27736966
2023	12/12/2020	7	7.3	7.3.3.3	2300055300	519	103	43.1	30	6.9	15.8	6.1	207	96.4	46.56	72.71	1	1	1	1	1	26.15	35.96214636
2024	12/12/2020	7	7.3	7.3.3.3	2300055345	977	12	27.2	32	1.2	16.3	0.6	38	9.8	25.47	75.64	1	1	1	1	1	50.17	66.32845841
2025	12/12/2020	7	7.3	7.3.3.3	2300055352	1025	26	23.9	31	1.4	16.2	0.7	43	11.3	26.13	75.95	1	1	1	1	1	49.82	65.59524892
2026	12/12/2020	7	7.3	7.3.3.3	2300055354	1021	15	27	31	1.6	16.1	0.9	50	14.5	29.21	75.92	1	1	1	1	1	46.71	61.52060622
2027	12/12/2020	7	7.3	7.3.3.3	2300055339	1070	47	29.9	32	2.3	14.4	2.4	74	34.6	46.96	76.23	1	1	1	1	1	29.28	38.4047515
2028	12/12/2020	7	7.3	7.3.3.3	2300055289	1015	96	61.6	21	6.5	15	5.9	137	88.5	64.84	75.88	1	1	0	0	0	11.05	14.5579125
2029	12/12/2020	7	7.3	7.3.3.3	2300054669	1007	22	25.2	31	0.8	16.4	0.4	25	6.6	26.45	75.83	1	1	1	1	1	49.38	65.11758691
2030	12/12/2020	7	7.3	7.3.3.3	2300054699	968	115	16.4	31	6.6	15	1.6	205	24.0	11.73	75.58	1	1	1	1	1	63.85	84.47999598
2031	12/12/2020	7	7.3	7.3.3.3	2300055249	989	20	14.4	31	4.6	20.4	1.5	143	30.6	21.46	75.72	1	1	1	1	1	54.26	71.65891108
2032	12/12/2020	7	7.3	7.3.3.3	2300055337	1004	13	26	31	1.4	15.6	0.7	43	10.9	25.16	75.81	1	1	1	1	1	50.65	66.81076468
2033	12/12/2020	7	7.3	7.3.3.3	2300055284	1001	8	27.1	30	0.8	15.8	0.4	24	6.3	26.33	75.79	1	1	1	1	1	49.46	65.25597114
2034	12/12/2020	7	7.3	7.3.3.3	2300055306	1013	12	10	30	0.1	20.1	0.07	3	1.4	46.90	75.87	1	1	1	1	1	28.97	38.18308352
2035	12/12/2020	7	7.3	7.3.3.3	2300053327	931	20	20.5	19	0.2	15.2	0.1	4	1.5	40.00	75.34	1	1	1	1	1	35.34	46.91045386
2036	12/12/2020	7	7.3	7.3.3.3	2300055252	1064	15	21	31	0.1	15.9	2.4	3	38.2	1230.97	76.20	1	1	1	1	1	-1154.77	-1515.536516
2037	12/12/2020	7	7.3	7.3.3.3	2300055277	1053	31	20	30	1.5	22.2	1.5	45	33.3	74.00	76.13	0	0	0	0	0	2.13	2.791716803
2038	12/12/2020	7	7.3	7.3.3.4	2300055280	906	20	20	30	2.6	20.6	1.4	78	28.8	36.97	75.18	1	1	1	1	1	38.21	50.82176758
2039	12/12/2020	7	7.3	7.3.3.4	2300055278	904	20	19.2	30	2.5	15.4	2.4	75	37.0	49.28	75.17	1	1	1	1	1	25.89	34.443327

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2040	12/12/2020	7	7.3	7.3.3.4	2300055226	901	19	20.2	30	2.1	20.2	1	63	20.2	32.06	75.15	1	1	1	1	1	43.09	57.33537177
2041	12/12/2020	7	7.3	7.3.3.4	2300055238	608	15	20.2	19	1.5	19.2	1	29	19.2	67.37	73.28	1	0	0	0	0	5.91	8.063598155
2042	12/12/2020	7	7.3	7.3.3.4	2300055231	607	26	15.4	20	0.1	10.1	2	2	20.2	1010.00	73.27	1	1	1	1	1	-936.73	-1278.448168
2043	12/12/2020	7	7.3	7.3.3.4	2300055286	900	30	14.2	30	0.1	12.4	1.2	3	14.9	496.00	75.15	1	1	1	1	1	-420.85	-560.048439
2044	12/12/2020	7	7.3	7.3.3.4	2300055425	956	31	13.3	30	0.2	12.4	1.4	6	17.4	289.33	75.50	1	1	1	1	1	-213.83	-283.2006258
2045	12/12/2020	7	7.3	7.3.3.4	2300055418	945	31	20.4	30	0.9	12.5	1.5	27	18.8	69.44	75.43	1	0	0	0	0	5.99	7.940127205
2046	12/12/2020	7	7.3	7.3.3.4	2300054658	946	30	22.3	25	0.5	12.7	1	13	12.7	101.60	75.44	1	1	1	1	1	-26.16	-34.67585008
2047	12/12/2020	7	7.3	7.3.3.4	2300054759	940	35	24.2	22	0.1	10.1	1.06	2	10.7	486.64	75.40	1	1	1	1	1	-411.23	-545.3891987
2048	12/12/2020	7	7.3	7.3.3.4	2300054672	945	35	25.4	30	0.6	20.2	1.01	18	20.4	113.34	75.43	1	1	1	1	1	-37.91	-50.25644198
2049	12/12/2020	7	7.3	7.3.3.4	2300055341	946	30	20.5	31	0.5	15.2	2.4	16	36.5	235.35	75.44	1	1	1	1	1	-159.91	-211.9745371
2050	12/12/2020	7	7.3	7.3.3.4	2300055408	940	32	21.6	30	2.4	15.4	1.5	72	23.1	32.08	75.40	1	1	1	1	1	43.32	57.45028867
2051	12/12/2020	7	7.3	7.3.3.4	2300055335	945	32	19.7	31	2.7	12.2	1	84	12.2	14.58	75.43	1	1	1	1	1	60.86	80.67732562
2052	12/12/2020	7	7.3	7.3.3.4	2300055390	945	30	17.6	30	2.4	10.2	1.5	72	15.3	21.25	75.43	1	1	1	1	1	54.18	71.82967892
2053	12/12/2020	7	7.3	7.3.3.4	2300055328	946	30	21.9	32	2.1	10.5	1.2	67	12.6	18.75	75.44	1	1	1	1	1	56.69	75.14594302
2054	12/12/2020	7	7.3	7.3.3.4	2300054798	945	30	20.3	30	2	12.6	1.2	60	15.1	25.20	75.43	1	1	1	1	1	50.23	66.59331336
2055	12/12/2020	7	7.3	7.3.3.4	2300053722	946	22	25.2	30	2.1	12.7	1.4	63	17.8	28.22	75.44	1	1	1	1	1	47.22	62.59004165
2056	12/12/2020	7	7.3	7.3.3.4	2300054720	950	20	20.2	30	1.4	20	1	42	20.0	47.62	75.47	1	1	1	1	1	27.85	36.89999785
2057	12/12/2020	7	7.3	7.3.3.4	2300055107	690	78	50.8	19	4.9	13.4	3.8	93	50.9	54.69	73.80	1	1	1	1	1	19.11	25.89106318
2058	12/12/2020	7	7.3	7.3.3.4	2300053715	904	81	54.9	30	6.7	10.4	5.5	201	57.2	28.46	75.17	1	1	1	1	1	46.71	62.14300156
2059	12/12/2020	7	7.3	7.3.3.4	2300055404	1050	49	41.7	19	5.4	11.8	3.9	103	46.0	44.85	76.11	1	1	1	1	1	31.25	41.06404072
2060	12/12/2020	7	7.3	7.3.3.4	2300055099	1052	20	20.1	20	2.4	10.4	1.4	48	14.6	30.33	76.12	1	1	1	1	1	45.79	60.15001112
2061	12/12/2020	7	7.3	7.3.3.4	2300055132	1078	44	48.5	19	3.9	12.5	2.04	74	25.5	34.41	76.29	1	1	1	1	1	41.87	54.8890801
2062	12/12/2020	7	7.3	7.3.2.2	2300053871	995	33	26.5	30	4.1	14	3.5	123	49.0	39.84	75.75	1	1	1	1	1	35.92	47.412152
2063	12/12/2020	7	7.3	7.3.2.2	2300053672	990	86	38.3	30	6.5	18.1	4.3	195	77.8	39.91	75.72	1	1	1	1	1	35.81	47.29032446
2064	12/12/2020	7	7.3	7.3.2.2	NA	995	20	30	30	2.4	20.1	1.4	72	28.1	39.08	75.75	1	1	1	1	1	36.67	48.40756484
2065	12/12/2020	7	7.3	7.3.2.2	2300053870	1026	73	51	20	6.4	13.1	5.4	128	70.7	55.27	75.95	1	1	1	1	1	20.69	27.23649944
2066	12/12/2020	7	7.3	7.3.2.2	2300055311	1020	20	20	30	6.1	10.2	2.4	183	24.5	13.38	75.91	1	1	1	1	1	62.54	82.37867958
2067	12/12/2020	7	7.3	7.3.2.2	2300055317	1020	86	38.1	30	6.8	17.7	4.6	204	81.4	39.91	75.91	1	1	1	1	1	36.00	47.42502739
2068	12/12/2020	7	7.3	7.3.2.2	2300054932	1020	20	20	30	1.6	10.2	1	48	10.2	21.25	75.91	1	1	1	1	1	54.66	72.0077983
2069	12/12/2020	7	7.3	7.3.2.2	NA	1025	89	27.5	20	7.1	14	6.01	142	84.1	59.25	75.95	1	1	1	1	0	16.69	21.97940494

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2070	12/12/2020	7	7.3	7.3.2.2	2300055304	1022	112	49.6	30	6.8	19.7	5.3	204	104.4	51.18	75.93	1	1	1	1	1	24.75	32.5911634
2071	12/12/2020	7	7.3	7.3.2.2	2300055303	989	24	30.6	30	2.5	10.4	1.6	75	16.6	22.19	75.72	1	1	1	1	1	53.53	70.697364
2072	12/12/2020	7	7.3	7.3.2.2	2300055322	990	59	30.4	30	6.09	11.8	4.7	183	55.5	30.36	75.72	1	1	1	1	1	45.37	59.91155213
2073	12/12/2020	7	7.3	7.3.2.2	2300055308	1012	47	32	28	3.3	11.9	2.1	92	25.0	27.05	75.86	1	1	1	1	1	48.82	64.34951709
2074	12/12/2020	7	7.3	7.3.2.2	2300055298	1013	129	44.8	30	7.1	20	5.9	213	118.0	55.40	75.87	1	1	1	1	1	20.47	26.9808288
2075	12/12/2020	7	7.3	7.3.2.2	NA	1016	138	59.6	29	7.1	20.8	6.1	206	126.9	61.62	75.89	1	1	1	0	0	14.27	18.79899079
2076	12/12/2020	7	7.3	7.3.2.2	2300055436	1003	123	55.4	29	6.7	20	5.6	194	112.0	57.64	75.81	1	1	1	1	0	18.16	23.95927934
2077	12/12/2020	7	7.3	7.3.2.2	2300055325	984	120	50.6	29	6.4	21.7	4.5	186	97.7	52.61	75.68	1	1	1	1	1	23.07	30.48276436
2078	12/12/2020	7	7.3	7.3.2.2	2300054698	804	20	20.4	28	2.4	20.1	1.4	67	28.1	41.88	74.53	1	1	1	1	1	32.66	43.81577747
2079	12/12/2020	7	7.3	7.3.2.2	2300054647	989	83	38.2	30	6.7	13.3	5.7	201	75.8	37.72	75.72	1	1	1	1	1	38.00	50.18672782
2080	12/12/2020	7	7.3	7.3.2.2	2300054671	606	127	55.2	30	6.9	20.7	5.6	207	115.9	56.00	73.26	1	1	1	1	0	17.26	23.56451428
2081	12/12/2020	7	7.3	7.3.2.2	2300054664	609	20	20.4	20	1.4	20.2	1	28	20.2	72.14	73.28	0	0	0	0	0	1.14	1.556614109
2082	12/12/2020	7	7.3	7.3.2.2	2300053822	965	14	55.7	19	3.04	13.3	2.4	58	31.9	55.26	75.56	1	1	1	1	1	20.30	26.86382322
2083	12/12/2020	7	7.3	7.3.2.2	2300054478	654	26	28.8	30	2.2	13.5	1.7	66	23.0	34.77	73.57	1	1	1	1	1	38.80	52.73620898
2084	12/12/2020	7	7.3	7.3.2.2	2300054019	772	49	42.2	24	5.2	11.4	3.9	125	44.5	35.63	74.33	1	1	1	1	1	38.70	52.06977833
2085	12/12/2020	7	7.3	7.3.2.2	2300054911	652	33	33.9	29	5.09	12.7	4.1	148	52.1	35.28	73.56	1	1	1	1	1	38.28	52.04463933
2086	12/12/2020	7	7.3	7.3.2.4	2300054945	959	136	56.2	30	6.8	21.6	5.6	204	121.0	59.29	75.52	1	1	1	1	0	16.23	21.48928594
2087	12/12/2020	7	7.3	7.3.2.4	2300035868	1010	85	36	30	6.9	13.8	5.6	207	77.3	37.33	75.85	1	1	1	1	1	38.52	50.78004834
2088	12/12/2020	7	7.3	7.3.2.4	2300053867	1008	134	53.4	30	7.4	22.1	5.6	222	123.8	55.75	75.84	1	1	1	1	1	20.09	26.49023468
2089	12/12/2020	7	7.3	7.3.2.4	2300054955	1015	93	44.2	30	6.4	19.2	4.5	192	86.4	45.00	75.88	1	1	1	1	1	30.88	40.69739859
2090	12/12/2020	7	7.3	7.3.2.4	2300055013	773	105	50.2	32	6.5	15.6	5.9	208	92.0	44.25	74.33	1	1	1	1	1	30.08	40.47074524
2091	12/12/2020	7	7.3	7.3.2.4	2300053863	1010	78	34.6	31	6.5	13.5	5.3	202	71.6	35.51	75.85	1	1	1	1	1	40.34	53.18564949
2092	12/12/2020	7	7.3	7.3.2.4	2300055014	975	138	67.4	31	4.2	24.4	3.6	130	87.8	67.47	75.63	1	1	0	0	0	8.16	10.79068338
2093	12/12/2020	7	7.3	7.3.2.4	2300053866	519	94	62.4	30	5.4	14.6	4.8	162	70.1	43.26	72.71	1	1	1	1	1	29.45	40.50242442
2094	12/12/2020	7	7.3	7.3.2.4	2300055007	927	70	33.5	30	6.06	13.2	4.8	182	63.4	34.85	75.32	1	1	1	1	1	40.47	53.72803981
2095	12/12/2020	7	7.3	7.3.2.4	2300055010	1007	42	23.8	30	4.3	13	2.07	129	26.9	20.86	75.83	1	1	1	1	1	54.97	72.49077536
2096	12/12/2020	7	7.3	7.3.2.4	2300054364	1005	44	32.9	27	6.4	12	2.9	173	34.8	20.14	75.82	1	1	1	1	1	55.68	73.43785264
2097	12/12/2020	7	7.3	7.3.2.4	2300055003	995	46	33	30	4.03	12.8	4.4	121	56.3	46.58	75.75	1	1	1	1	1	29.17	38.50627864
2098	12/12/2020	7	7.3	7.3.2.4	2300055315	1001	81	38.9	29	6.3	14.1	5.3	183	74.7	40.90	75.79	1	1	1	1	1	34.89	46.03268947
2099	12/12/2020	7	7.3	7.3.2.4	2300055323	1004	104	48.6	30	5.3	20.4	4.1	159	83.6	52.60	75.81	1	1	1	1	1	23.21	30.61250048

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2100	12/12/2020	7	7.3	7.3.2.4	2300055329	989	44	30	27	4.8	11.4	3.3	130	37.6	29.03	75.72	1	1	1	1	1	46.69	61.66209106
2101	12/12/2020	7	7.3	7.3.2.4	2300054729	943	128	61.2	30	5.2	23.5	4.2	156	98.7	63.27	75.42	1	1	1	0	0	12.15	16.11213986
2102	12/12/2020	7	7.3	7.3.2.4	2300054634	1034	46	30.8	28	4.5	11	3.2	126	35.2	27.94	76.00	1	1	1	1	1	48.07	63.24317804
2103	12/12/2020	7	7.3	7.3.2.4	2300054662	1019	33	18.6	30	5.04	10	2.8	151	28.0	18.52	75.91	1	1	1	1	1	57.39	75.6038677
2104	12/12/2020	7	7.3	7.3.2.4	2300054724	1010	84	37.7	30	6.4	14.3	5.3	192	75.8	39.47	75.85	1	1	1	1	1	36.38	47.9578664
2105	12/12/2020	7	7.3	7.3.2.4	2300054010	993	26	13	30	1.01	0.2	0.01	30	0.0	0.01	75.74	1	1	1	1	1	75.73	99.99128524
2106	12/12/2020	7	7.3	7.3.2.4	2300054023	970	20	20	5	1.06	0.2	0.2	5	0.0	0.75	75.59	1	1	1	1	1	74.84	99.00161788
2107	12/12/2020	7	7.3	7.3.2.4	2300057467	948	47	26.5	30	1.1	11.1	0.1	33	1.1	3.36	75.45	1	1	1	1	1	72.09	95.54208918
2108	12/12/2020	7	7.3	7.3.2.4	2300054055	948	46	34.3	30	5.5	16.6	3.5	165	58.1	35.21	75.45	1	1	1	1	1	40.24	53.33250119
2109	12/12/2020	7	7.3	7.3.2.4	2300054057	926	106	44.3	30	5.6	21	4.3	168	90.3	53.75	75.31	1	1	1	1	1	21.56	28.63061063
2110	12/12/2020	7	7.3	7.3.2.1	2300057381	915	136	67.3	31	6.4	20	5.6	198	112.0	56.45	75.24	1	1	1	1	0	18.79	24.97326905
2111	12/12/2020	7	7.3	7.3.2.1	2300057480	736	111	53.1	31	5	23	4.2	155	96.6	62.32	74.10	1	1	1	0	0	11.77	15.88986692
2112	12/12/2020	7	7.3	7.3.2.1	2300059325	899	43	29.6	29	3	12.3	2.2	87	27.1	31.10	75.14	1	1	1	1	1	44.04	58.60578407
2113	12/12/2020	7	7.3	7.3.2.1	NA	1017	47	43.5	20	4.06	4.9	3.6	81	17.6	21.72	75.89	1	1	1	1	1	54.17	71.37598632
2114	12/12/2020	7	7.3	7.3.2.1	2300057468	1062	79	34.5	30	6.8	13.1	5.4	204	70.7	34.68	76.18	1	1	1	1	1	41.51	54.48254647
2115	12/12/2020	7	7.3	7.3.2.1	2300057354	1064	48	31	29	6.8	12.5	4.8	197	60.0	30.43	76.20	1	1	1	1	1	45.77	60.06860831
2116	12/12/2020	7	7.3	7.3.2.1	NA	660	17	25.9	20	4.7	9	1.01	94	9.1	9.67	73.61	1	1	1	1	1	63.94	86.86290889
2117	12/12/2020	7	7.3	7.3.2.1	2300053032	1001	137	61.5	31	6.9	22.4	6.3	214	141.1	65.97	75.79	1	1	0	0	0	9.82	12.95333759
2118	12/12/2020	7	7.3	7.3.2.1	2300057447	983	136	56.2	31	7.2	23.1	5.6	223	129.4	57.96	75.68	1	1	1	1	0	17.72	23.41552112
2119	12/12/2020	7	7.3	7.3.2.1	NA	1026	73	42.2	31	6.6	12.6	5.6	205	70.6	34.49	75.95	1	1	1	1	1	41.47	54.59418857
2120	12/12/2020	7	7.3	7.3.2.1	NA	1020	14	27.2	17	2.1	13	5.2	36	67.6	189.36	75.91	1	1	1	1	1	-113.44	-149.4345474
2121	12/12/2020	7	7.3	7.3.2.1	2300049101	991	133	68.8	30	5.2	22.8	4.8	156	109.4	70.15	75.73	1	0	0	0	0	5.57	7.36124604
2122	12/12/2020	7	7.3	7.3.2.1	2300048725	941	120	60.9	30	3.2	22.7	2.6	96	59.0	61.48	75.41	1	1	1	0	0	13.93	18.4717264
2123	12/12/2020	7	7.3	7.3.2.1	NA	1054	87	36.8	31	6.6	14	5.6	205	78.4	38.32	76.13	1	1	1	1	1	37.81	49.6678507
2124	12/12/2020	7	7.3	7.3.2.1	2300054889	1039	96	41.5	31	6.9	19.2	4.7	214	90.2	42.19	76.04	1	1	1	1	1	33.85	44.51554497
2125	12/12/2020	7	7.3	7.3.2.1	2300055006	994	97	40.9	31	6.8	14.8	6.05	211	89.5	42.48	75.75	1	1	1	1	1	33.27	43.9239252
2126	12/12/2020	7	7.3	7.3.2.1	2300054897	699	27	43.4	31	2.4	14.7	3.03	74	44.5	59.87	73.86	1	1	1	0	0	13.99	18.94495031
2127	12/12/2020	7	7.3	7.3.2.1	2300055004	888	107	63.4	31	7.1	15.2	6.3	220	95.8	43.51	75.07	1	1	1	1	1	31.56	42.04347909
2128	12/12/2020	7	7.3	7.3.2.1	2300047966	982	13	57.1	30	7.1	23.6	5.6	213	132.2	62.05	75.67	1	1	1	0	0	13.62	18.00410679
2129	12/12/2020	7	7.3	7.3.2.1	2300054424	889	30	25.8	30	4.2	10.8	1.5	126	16.2	12.86	75.08	1	1	1	1	1	62.22	82.87440546

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2130	12/12/2020	7	7.3	7.3.2.1	2300054943	1014	26	31.6	31	2.9	24.2	1.8	90	43.6	48.45	75.88	1	1	1	1	1	27.42	36.14042248
2131	12/12/2020	7	7.3	7.3.2.1	NA	842	82	63.5	31	7.3	23.9	6.3	226	150.6	66.54	74.77	1	1	0	0	0	8.24	11.01872255
2132	12/12/2020	7	7.3	7.3.2.3	2300052925	1101	89	60.4	31	7.6	24.3	6.06	236	147.3	62.50	76.43	1	1	1	0	0	13.93	18.22395269
2133	12/12/2020	7	7.3	7.3.2.3	2300057277	619	41	37.5	32	7.9	13	6.6	253	85.8	33.94	73.35	1	1	1	1	1	39.41	53.72735656
2134	12/12/2020	7	7.3	7.3.2.3	2300054988	1031	86	38.7	30	6.6	14.5	5.3	198	76.9	38.81	75.98	1	1	1	1	1	37.17	48.91960545
2135	12/12/2020	7	7.3	7.3.2.3	2300057448	1042	135	58.1	31	7.1	21.8	6.01	220	131.0	59.53	76.05	1	1	1	1	0	16.53	21.73198953
2136	12/12/2020	7	7.3	7.3.2.3	2300057964	925	73	53.8	22	5.4	14.1	4.5	119	63.5	53.41	75.31	1	1	1	1	1	21.90	29.07724363
2137	12/12/2020	7	7.3	7.3.2.3	2300059927	614	20	20.4	30	5.4	20.1	1.2	162	24.1	14.89	73.32	1	1	1	1	1	58.43	79.69205887
2138	12/12/2020	7	7.3	7.3.2.3	2300049099	778	80	42.9	31	5.5	15	5.02	171	75.3	44.16	74.37	1	1	1	1	1	30.20	40.61170699
2139	12/12/2020	7	7.3	7.3.2.3	2300052715	615	49	34.3	32	5.8	13	4.6	186	59.8	32.22	73.32	1	1	1	1	1	41.10	56.05708029
2140	12/12/2020	7	7.3	7.3.2.3	2300054820	925	46	52.3	31	5.1	13.6	4.2	158	57.1	36.13	75.31	1	1	1	1	1	39.18	52.02370029
2141	12/12/2020	7	7.3	7.3.2.3	2300054453	891	20	20.4	32	5.1	10.4	1.6	163	16.6	10.20	75.09	1	1	1	1	1	64.89	86.4212336
2142	12/12/2020	7	7.3	7.3.2.3	2300049886	980	20	20.4	32	2.4	10.8	1.4	77	15.1	19.69	75.66	1	1	1	1	1	55.97	73.97829707
2143	12/12/2020	7	7.3	7.3.2.3	2300049101	950	20	40.2	30	2.4	11.4	2.2	72	25.1	34.83	75.47	1	1	1	1	1	40.63	53.84234843
2144	12/12/2020	7	7.3	7.3.2.3	2300051451	950	29	69	20	2.9	24.1	2.6	58	62.7	108.03	75.47	1	1	1	1	1	-32.57	-43.15649797
2145	12/12/2020	7	7.3	7.3.2.3	2300054979	983	6	17.7	22	1.4	5.2	1.1	31	5.7	18.57	75.68	1	1	1	1	1	57.11	75.45967799
2146	12/12/2020	7	7.3	7.3.2.3	2300049086	1002	44	26	31	2.09	12.5	1.7	65	21.3	32.80	75.80	1	1	1	1	1	43.00	56.72982773
2147	12/12/2020	7	7.3	7.3.2.3	2300049330	868	83	37.4	21	6.5	15.2	5.2	137	79.0	57.90	74.94	1	1	1	1	0	17.04	22.73307352
2148	12/12/2020	7	7.3	7.3.2.3	2300055005	619	40	30.4	27	2.4	15.4	2.1	65	32.3	49.91	73.35	1	1	1	1	1	23.44	31.95768177
2149	12/12/2020	7	7.3	7.3.2.3	2300047943	1058	88	36.3	32	5.7	13.9	5	182	69.5	38.10	76.16	1	1	1	1	1	38.05	49.96786886
2150	12/12/2020	7	7.3	7.3.2.3	2300047965	709	108	44.3	30	4.1	17.4	3.2	123	55.7	45.27	73.92	1	1	1	1	1	28.66	38.76340887
2151	12/12/2020	7	7.3	7.3.2.3	2300055318	928	116	64.2	31	7.4	22.9	4.6	229	105.3	45.92	75.33	1	1	1	1	1	29.41	39.0379438
2152	12/12/2020	7	7.3	7.3.2.3	2300054942	913	108	65.4	30	7.2	24.7	4.7	216	116.1	53.75	75.23	1	1	1	1	1	21.48	28.55783343
2153	12/12/2020	7	7.1	7.1.5.1	23000	911	23	38.2	20	2.4	11.2	1.5	48	16.8	35.00	75.22	1	1	1	1	1	40.22	53.46759483
2154	12/12/2020	7	7.1	7.1.5.1	2300047870	928	125	30.9	30	7.2	15.2	7.9	216	120.1	55.59	75.33	1	1	1	1	1	19.73	26.19655495
2155	12/12/2020	7	7.1	7.1.5.1	2300054068	928	110	45.4	30	4.9	19.6	3.6	147	70.6	48.00	75.33	1	1	1	1	1	27.33	36.27630594
2156	12/12/2020	7	7.1	7.1.5.1	2300054072	933	121	80.4	30	7.2	14.8	7.6	216	112.5	52.07	75.36	1	1	1	1	1	23.28	30.89701571
2157	12/12/2020	7	7.1	7.1.5.1	2300054778	632	72	37.1	31	4.3	16.4	2.6	133	42.6	31.99	73.43	1	1	1	1	1	41.44	56.43790208
2158	12/12/2020	7	7.1	7.1.5.1	2300054472	654	100	45.2	30	5.9	20.4	1.7	177	34.7	19.59	73.57	1	1	1	1	1	53.98	73.36850043
2159	12/12/2020	7	7.1	7.1.5.1	2300054527	624	42	24.9	32	3.6	12.4	1.6	115	19.8	17.22	73.38	1	1	1	1	1	56.16	76.52995898

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2160	12/12/2020	7	7.1	7.1.5.1	2300054627	756	104	70.4	31	6.2	25.6	4.4	192	112.6	58.61	74.22	1	1	1	1	0	15.62	21.0426502
2161	12/12/2020	7	7.1	7.1.5.1	23000	796	96	62.2	31	6.5	26.4	2.4	202	63.4	31.44	74.48	1	1	1	1	1	43.04	57.78195507
2162	12/12/2020	7	7.1	7.1.5.1	23000	876	42	32.6	30	3.6	19.2	2.4	108	46.1	42.67	74.99	1	1	1	1	1	32.33	43.10534579
2163	12/12/2020	7	7.1	7.1.5.1	2300054670	872	18	36.2	10	2.1	11.6	1	21	11.6	55.24	74.97	1	1	1	1	1	19.73	26.31658916
2164	12/12/2020	7	7.1	7.1.5.1	23000	876	32	26.4	30	1.9	12.4	0.9	57	11.2	19.58	74.99	1	1	1	1	1	55.41	73.89209124
2165	12/12/2020	7	7.1	7.1.5.1	2300054760	724	106	46.4	32	4.6	19.6	3.5	147	68.6	46.60	74.02	1	1	1	1	1	27.42	37.03929652
2166	12/12/2020	7	7.1	7.1.5.1	2300054765	746	34	23.6	20	2.4	10.7	0.9	48	9.6	20.06	74.16	1	1	1	1	1	54.10	72.94715239
2167	12/12/2020	7	7.1	7.1.5.1	2300054756	779	108	39.6	30	3.3	20.2	1.4	99	28.3	28.57	74.37	1	1	1	1	1	45.81	61.59063868
2168	12/12/2020	7	7.1	7.1.5.1	2300054755	794	129	42.1	32	4.6	24.2	3.3	147	79.9	54.25	74.47	1	1	1	1	1	20.21	27.14587634
2169	12/12/2020	7	7.1	7.1.5.1	2300055290	645	20		33	4.27	27	3.2	141	86.4	61.32	73.51	1	1	1	0	0	12.20	16.59312043
2170	12/12/2020	7	7.1	7.1.5.1	2300054742	824	20		32	5.8	26.1	4.61	186	120.3	64.83	74.66	1	1	0	0	0	9.83	13.16840031
2171	12/12/2020	7	7.1	7.1.5.1	2300054667	NA	20		NA	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
2172	12/12/2020	7	7.1	7.1.5.1	2300054633	956	137		32	6.59	23.5	5.09	211	119.6	56.72	75.50	1	1	1	1	0	18.78	24.87612335
2173	12/12/2020	7	7.1	7.1.5.1	2300054766	775	44.5		27	2.13	18.4	1.52	58	28.0	48.63	74.35	1	1	1	1	1	25.71	34.58754696
2174	12/12/2020	7	7.1	7.1.5.1	2300054621	806	137	67.1	32	5.2	24.4	4.6	166	112.2	67.45	74.54	1	0	0	0	0	7.09	9.514432906
2175	12/12/2020	7	7.1	7.1.5.1	2300047864	875	20	30.2	31	2.4	18.5	2.1	74	38.9	52.22	74.99	1	1	1	1	1	22.77	30.36334524
2176	12/12/2020	7	7.1	7.1.5.1	2300048728	889	42	26.4	32	3.4	14.4	2.4	109	34.6	31.76	75.08	1	1	1	1	1	43.31	57.6897076
2177	12/12/2020	7	7.1	7.1.5.2	2300054603	874	93	66	22	5.6	15.6	5.1	123	79.6	64.58	74.98	1	1	0	0	0	10.40	13.87267726
2178	12/12/2020	7	7.1	7.1.5.2	23000	870	36	43.7	32	5.9	15.1	5.4	189	81.5	43.19	74.95	1	1	1	1	1	31.77	42.37991392
2179	12/12/2020	7	7.1	7.1.5.2	2300054503	858	80	42.3	31	5.1	15	5.2	158	78.0	49.34	74.88	1	1	1	1	1	25.54	34.11096652
2180	12/12/2020	7	7.1	7.1.5.2	2300054623	874	112	51.4	32	5.6	21.8	4.2	179	91.6	51.09	74.98	1	1	1	1	1	23.89	31.85646496
2181	12/12/2020	7	7.1	7.1.5.2	2300054735	800	132	52.3	30	5.2	23.4	3.6	156	84.2	54.00	74.51	1	1	1	1	1	20.51	27.52261563
2182	12/12/2020	7	7.1	7.1.5.2	2300054027	755	25	24.3	30	4.6	11	3.1	138	34.1	24.71	74.22	1	1	1	1	1	49.51	66.7059946
2183	12/12/2020	7	7.1	7.1.5.2	2300055267	788	26	34.5	31	3.6	24.5	2.2	112	53.9	48.30	74.43	1	1	1	1	1	26.13	35.1094852
2184	12/12/2020	7	7.1	7.1.5.2	2300055260	789	30	26.2	31	4.6	11.5	3.2	143	36.8	25.81	74.44	1	1	1	1	1	48.63	65.33049829
2185	12/12/2020	7	7.1	7.1.5.2	2300055290	845	124	53.3	30	5.4	24.5	3.9	162	95.6	58.98	74.79	1	1	1	1	0	15.81	21.14142648
2186	12/12/2020	7	7.1	7.1.5.2	23000	848	30	25.7	31	4.7	11.5	3.3	146	38.0	26.05	74.81	1	1	1	1	1	48.77	65.18439093
2187	12/12/2020	7	7.1	7.1.5.2	2300055367	875	48	31	30	3.7	24	4.4	111	105.6	95.14	74.99	1	1	1	1	1	-20.15	-26.87052935
2188	12/12/2020	7	7.1	7.1.5.2	2300055377	920	22	24.5	29	3.6	10.9	2.3	104	25.1	24.01	75.27	1	1	1	1	1	51.26	68.09866626
2189	12/12/2020	7	7.1	7.1.5.2	2300055364	922	41	24.1	30	3.7	12.5	2.6	111	32.5	29.28	75.29	1	1	1	1	1	46.01	61.10967755

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2190	12/12/2020	7	7.1	7.1.5.2	2300055459	956	20	4.2	20	4.8	11.5	3.5	96	40.3	41.93	75.50	1	1	1	1	1	33.58	44.47067544
2191	12/12/2020	7	7.1	7.1.5.2	2300055392	1069	137	65.3	32	6.3	23.8	5.6	202	133.3	66.11	76.23	1	1	0	0	0	10.12	13.27142516
2192	12/12/2020	7	7.1	7.1.5.2	2300054709	1042	87	60.1	21	6.6	14.6	5.8	139	84.7	61.10	76.05	1	1	1	0	0	14.96	19.66755406
2193	12/12/2020	7	7.1	7.1.5.2	2300054308	1035	102	56.7	30	7.06	15	6.4	212	96.0	45.33	76.01	1	1	1	1	1	30.68	40.36866329
2194	12/12/2020	7	7.1	7.1.5.2	2300054475	1022	136	62.6	31	6.7	23.1	5.8	208	134.0	64.51	75.93	1	1	1	0	0	11.42	15.04119789
2195	12/12/2020	7	7.1	7.1.5.2	2300054393	1045	89	62.8	30	3.3	15.7	2.9	99	45.5	45.99	76.07	1	1	1	1	1	30.08	39.54583828
2196	12/12/2020	7	7.1	7.1.5.2	2300054393	1004	20	32.1	31	2.4	21.2	1.4	74	29.7	39.89	75.81	1	1	1	1	1	35.92	47.37946024
2197	12/12/2020	7	7.1	7.1.5.2	2300054399	995	120	53.3	31	7.2	19.85	5.8	223	115.1	51.58	75.75	1	1	1	1	1	24.17	31.9091517
2198	12/12/2020	7	7.1	7.1.5.2	2300054423	1020	101	63.3	30	7.6	15	6.7	228	100.5	44.08	75.91	1	1	1	1	1	31.84	41.93568068
2199	12/12/2020	7	7.1	7.1.5.2	2300054040	1035	90	37.2	31	7.5	14.5	6.7	233	97.2	41.78	76.01	1	1	1	1	1	34.23	45.02704087
2200	12/12/2020	7	7.1	7.1.5.2	2300054388	1024	38	21	21	7.3	7.1	4.7	153	33.4	21.77	75.94	1	1	1	1	1	54.17	71.33540919
2201	12/12/2020	7	7.1	7.1.5.3	2300054021	1042	100	31.4	31	5.3	12.2	5	164	61.0	37.13	76.05	1	1	1	1	1	38.93	51.18361191
2202	12/12/2020	7	7.1	7.1.5.3	2300054073	898	120	61	31	6.1	24	5	189	120.0	63.46	75.13	1	1	1	0	0	11.67	15.53868653
2203	12/12/2020	7	7.1	7.1.5.3	2300054639	1045	94	4.8	29	6.7	15.5	6.1	194	94.6	48.66	76.07	1	1	1	1	1	27.41	36.03351592
2204	12/12/2020	7	7.1	7.1.5.3	2300054550	1020	95	66.9	20	6.6	15.6	6.1	132	95.2	72.09	75.91	1	0	0	0	0	3.82	5.036081499
2205	12/12/2020	7	7.1	7.1.5.3	2300054565	1021	97	64.9	21	6.7	15.6	6.3	141	98.3	69.85	75.92	1	0	0	0	0	6.07	7.994759948
2206	12/12/2020	7	7.1	7.1.5.3	2300054566	1054	95	65.1	20	6.8	15.4	6.1	136	93.9	69.07	76.13	1	0	0	0	0	7.06	9.270881721
2207	12/12/2020	7	7.1	7.1.5.3	2300054638	1021	134	61.7	31	7.06	22.4	6.1	219	136.6	62.43	75.92	1	1	1	0	0	13.49	17.7657055
2208	12/12/2020	7	7.1	7.1.5.3	2300054637	1047	20	20.34	30	2.4	18.1	1.4	72	25.3	35.19	76.09	1	1	1	1	1	40.89	53.74434929
2209	12/12/2020	7	7.1	7.1.5.3	2300054731	1008	30	42.9	30	3.8	15	3.2	114	48.0	42.11	75.84	1	1	1	1	1	33.73	44.479407
2210	12/12/2020	7	7.1	7.1.5.3	2300055256	1009	36	54.2	31	6.2	25.9	4	192	103.6	53.90	75.84	1	1	1	1	1	21.94	28.92981712
2211	12/12/2020	7	7.1	7.1.5.3	2300054754	999	20	20.4	31	2.4	20.1	2.1	74	42.2	56.73	75.78	1	1	1	1	1	19.05	25.13305564
2212	12/12/2020	7	7.1	7.1.5.3	2300054764	1016	89	60.7	30	6.8	14.8	5.7	204	84.4	41.35	75.89	1	1	1	1	1	34.54	45.50821841
2213	12/12/2020	7	7.1	7.1.5.3	2300054760	1014	84	42	30	6.4	14	5.5	192	77.0	40.10	75.88	1	1	1	1	1	35.77	47.1448441
2214	12/12/2020	7	7.1	7.1.5.3	2300054758	1027	83	48.7	30	5.1	13.8	4.3	153	59.3	38.78	75.96	1	1	1	1	1	37.17	48.94032854
2215	12/12/2020	7	7.1	7.1.5.3	2300054727	1030	124	55	31	7.2	19.4	5.9	223	114.5	51.28	75.98	1	1	1	1	1	24.70	32.50498564
2216	12/12/2020	7	7.1	7.1.5.3	2300054741	1036	135	59.5	30	6.9	21.8	5.8	207	126.4	61.08	76.02	1	1	1	0	0	14.93	19.64612162
2217	12/12/2020	7	7.1	7.1.5.3	2300055296	1041	106	59.5	30	6.7	19.3	5.2	201	100.4	49.93	76.05	1	1	1	1	1	26.12	34.34398586
2218	12/12/2020	7	7.1	7.1.5.3	2300054689	1034	48	32.9	20	7.7	11.7	3.3	154	38.6	25.07	76.00	1	1	1	1	1	50.93	67.01284075
2219	12/12/2020	7	7.1	7.1.5.3	2300054684	1028	88	35.8	31	7.1	13.5	5.8	220	78.3	35.57	75.97	1	1	1	1	1	40.39	53.16968986

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2220	12/12/2020	7	7.1	7.1.5.3	2300054769	1024	136	60.5	31	7.2	22.4	6.8	223	152.3	68.24	75.94	1	1	0	0	0	7.70	10.13420192
2221	12/12/2020	7	7.1	7.1.5.3	2300054708	948	48	44.1	21	5.6	11.9	4.8	118	57.1	48.57	75.45	1	1	1	1	1	26.88	35.62707934
2222	12/12/2020	7	7.1	7.1.5.3	2300054733	968	105	48.5	30	6.1	20.3	4.6	183	93.4	51.03	75.58	1	1	1	1	1	24.55	32.48675278
2223	12/12/2020	7	7.1	7.1.5.3	2300049154	964	48	29.7	20	4.06	13	3.3	81	42.9	52.83	75.56	1	1	1	1	1	22.72	30.07465719
2224	12/12/2020	7	7.1	7.1.5.3	2300047863	989	20	3.4	21	2.1	10.1	1	44	10.1	22.90	75.72	1	1	1	1	1	52.81	69.75194764
2225	12/12/2020	7	7.1	7.1.5.4	23000	957	100	64.7	21	6.6	15.4	5.9	139	90.9	65.56	75.51	1	1	0	0	0	9.96	13.18386833
2226	12/12/2020	7	7.1	7.1.5.4	2300054757	984	115	43.2	31	5.8	22.7	4.7	180	106.7	59.34	75.68	1	1	1	1	0	16.35	21.59707849
2227	12/12/2020	7	7.1	7.1.5.4	2300054468	951	70	38.8	29	5.7	14	4.6	165	64.4	38.96	75.47	1	1	1	1	1	36.51	48.37918546
2228	12/12/2020	7	7.1	7.1.5.4	2300054624	968	70	51.5	21	5.7	13.4	4.6	120	61.6	51.50	75.58	1	1	1	1	1	24.09	31.86744167
2229	12/12/2020	7	7.1	7.1.5.4	2300055338	975	80	36	31	6.2	17.8	3.9	192	69.4	36.12	75.63	1	1	1	1	1	39.51	52.24046435
2230	12/12/2020	7	7.1	7.1.5.4	2300055322	978	48	42.4	20	4.9	11.6	3.7	98	42.9	43.80	75.65	1	1	1	1	1	31.85	42.10350641
2231	12/12/2020	7	7.1	7.1.5.4	2300055271	988	28	29.9	32	4.7	12.2	3.7	150	45.1	30.01	75.71	1	1	1	1	1	45.70	60.35713246
2232	12/12/2020	7	7.1	7.1.5.4	2300054752	989	43	31.7	30	5.2	12.6	3.9	156	49.1	31.50	75.72	1	1	1	1	1	44.22	58.39694858
2233	12/12/2020	7	7.1	7.1.5.4	2300055265	965	43	30.3	29	5.5	12	4.3	160	51.6	32.35	75.56	1	1	1	1	1	43.21	57.18602316
2234	12/12/2020	7	7.1	7.1.5.4	2300055264	961	42	45	32	3.4	15	3.05	109	45.8	42.05	75.54	1	1	1	1	1	33.49	44.33196134
2235	12/12/2020	7	7.1	7.1.5.4	2300055400	978	48	31.5	30	3.7	19.4	2.08	111	40.4	36.35	75.65	1	1	1	1	1	39.29	51.94255134
2236	12/12/2020	7	7.1	7.1.5.4	2300055266	974	49	29	30	4.7	17	2.5	141	42.5	30.14	75.62	1	1	1	1	1	45.48	60.14017005
2237	12/12/2020	7	7.1	7.1.5.4	2300055355	968	46	31.2	30	5.8	12	4.5	174	54.0	31.03	75.58	1	1	1	1	1	44.55	58.93888592
2238	12/12/2020	7	7.1	7.1.5.4	2300055439	974	82	42.5	30	5.6	17.5	4.2	168	73.5	43.75	75.62	1	1	1	1	1	31.87	42.14462917
2239	12/12/2020	7	7.1	7.1.5.4	2300054751	985	49	31.7	30	5.6	12.5	4.6	168	57.5	34.23	75.69	1	1	1	1	1	41.46	54.78109331
2240	12/12/2020	7	7.1	7.1.5.4	2300055242	984	41	29	31	5.5	11.5	3.5	171	40.3	23.61	75.68	1	1	1	1	1	52.08	68.80825156
2241	13/12/2020	7	7.1	7.1.5.4	2300054443	1034	107	48	32	7.2	16.2	6.3	230	102.1	44.30	76.00	1	1	1	1	1	31.71	41.71739891
2242	13/12/2020	7	7.1	7.1.5.4	2300055275	678	100	48.6	29	6.7	16.5	5.4	194	89.1	45.86	73.73	1	1	1	1	1	27.87	37.80020633
2243	13/12/2020	7	7.1	7.1.5.4	2300054413	875	104	57.6	30	7.3	15.3	6.8	219	104.0	47.51	74.99	1	1	1	1	1	27.48	36.64570811
2244	13/12/2020	7	7.1	7.1.5.4	2300054301	687	26	34.5	30	1.9	21.2	0.8	57	17.0	29.75	73.78	1	1	1	1	1	44.03	59.67300514
2245	13/12/2020	7	7.1	7.1.5.4	2300054389	959	99	87.9	29	6.6	19.7	4.8	191	94.6	49.40	75.52	1	1	1	1	1	26.12	34.58417142
2246	13/12/2020	7	7.1	7.1.5.4	2300055432	990	104	64.5	31	7.1	15.4	6.4	220	98.6	44.78	75.72	1	1	1	1	1	30.94	40.8630971
2247	13/12/2020	7	7.1	7.1.5.4	2300054403	990	20	30.4	32	2.4	18.4	1.4	77	25.8	33.54	75.72	1	1	1	1	1	42.18	55.70419869
2248	13/12/2020	7	7.1	7.1.5.4	2300054464	1120	134	59.8	30	7.5	21.1	6.5	225	137.2	60.96	76.55	1	1	1	1	0	15.60	20.37574058
2249	13/12/2020	7	7.3	7.3.1.1	2300055104	689	129	60.1	32	6.6	23.4	5.4	211	126.4	59.83	73.80	1	1	1	0	0	13.97	18.92532149

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2250	13/12/2020	7	7.3	7.3.1.1	2300055248	1054	137	60.4	30	6.9	23.5	5.7	207	134.0	64.71	76.13	1	1	1	0	0	11.42	15.00225277
2251	13/12/2020	7	7.3	7.3.1.1	2300552555	1044	107	49.5	32	6.7	19.9	5.3	214	105.5	49.19	76.07	1	1	1	1	1	26.87	35.32976324
2252	13/12/2020	7	7.3	7.3.1.1	2300055225	1036	91	37.4	31	7.1	14.1	5.9	220	83.2	37.80	76.02	1	1	1	1	1	38.22	50.27855021
2253	13/12/2020	7	7.3	7.3.1.1	2300054762	1070	109	51.7	32	7.1	22.6	5.1	227	115.3	50.73	76.23	1	1	1	1	1	25.50	33.4540575
2254	13/12/2020	7	7.3	7.3.1.1	2300054761	1055	70	42.9	24	6.5	13	5.2	156	67.6	43.33	76.14	1	1	1	1	1	32.80	43.08580034
2255	13/12/2020	7	7.3	7.3.1.1	2300055349	1065	111	56.2	31	6.7	20.6	5.4	208	111.2	53.56	76.20	1	1	1	1	1	22.64	29.71573401
2256	13/12/2020	7	7.3	7.3.1.1	2300054725	1100	44	25.4	20	4.2	13	2.9	84	37.7	44.88	76.43	1	1	1	1	1	31.55	41.27528278
2257	13/12/2020	7	7.3	7.3.1.1	2300055133	1075	99	37.5	31	7.4	14.7	6.2	229	91.1	39.73	76.27	1	1	1	1	1	36.54	47.90636754
2258	13/12/2020	7	7.3	7.3.1.1	23000	889	101	50.3	31	7.08	21.9	5.2	219	113.9	51.89	75.08	1	1	1	1	1	23.19	30.88796273
2259	13/12/2020	7	7.3	7.3.1.1	23000	999	105	51.6	32	6.8	22.9	5.8	218	132.8	61.04	75.78	1	1	1	0	0	14.74	19.4524609
2260	13/12/2020	7	7.3	7.3.1.1	2300054575	1008	79	32.4	31	6.8	13.1	5.3	211	69.4	32.94	75.84	1	1	1	1	1	42.90	56.56955605
2261	13/12/2020	7	7.3	7.3.1.1	23000	1018	45	39.9	22	6.8	12.4	4.3	150	53.3	35.64	75.90	1	1	1	1	1	40.26	53.0419661
2262	13/12/2020	7	7.3	7.3.1.1	2300054433	1025	46	28.8	31	5.7	12.4	4.7	177	58.3	32.98	75.95	1	1	1	1	1	42.96	56.57117407
2263	13/12/2020	7	7.3	7.3.1.1	2300054069	1068	48	44.1	20	6.3	12.2	3.8	126	46.4	36.79	76.22	1	1	1	1	1	39.43	51.7277991
2264	13/12/2020	7	7.3	7.3.1.1	2300053839	1057	109	50.2	31	5.1	22.2	5.08	158	112.8	71.33	76.15	1	0	0	0	0	4.82	6.327880585
2265	13/12/2020	7	7.3	7.3.1.1	2300053849	1024	35	31.6	30	7.09	10.6	5.1	213	54.1	25.42	75.94	1	1	1	1	1	50.52	66.53119192
2266	13/12/2020	7	7.3	7.3.1.1	2300053853	1047	116	53.5	30	5.1	21.9	5.3	153	116.1	75.86	76.09	0	0	0	0	0	0.22	0.294472763
2267	13/12/2020	7	7.3	7.3.1.1	2300053851	1045	74	36.9	29	6.8	13.4	5.08	197	68.1	34.52	76.07	1	1	1	1	1	41.55	54.62409
2268	13/12/2020	7	7.3	7.3.1.1	2300053831	1089	49	27	30	5.1	12	4.2	153	50.4	32.94	76.36	1	1	1	1	1	43.41	56.85820494
2269	13/12/2020	7	7.3	7.3.1.1	2300053826	1097	92	38.5	32	6.9	14.7	5.8	221	85.3	38.61	76.41	1	1	1	1	1	37.79	49.46244256
2270	13/12/2020	7	7.3	7.3.1.1	2300054628	1101	93	19.9	30	6.09	19.7	4.1	183	80.8	44.21	76.43	1	1	1	1	1	32.22	42.15923361
2271	13/12/2020	7	7.3	7.3.1.1	2300054631	731	48	41	30	4.9	15.7	4.1	147	64.4	43.79	74.06	1	1	1	1	1	30.28	40.87697241
2272	13/12/2020	7	7.3	7.3.1.1	VSPL22011012479799	889	117	52.7	30	7.3	22.5	5.6	219	126.0	57.53	75.08	1	1	1	1	0	17.54	23.36491939
2273	13/12/2020	7	7.3	7.3.1.2	2300053886	1121	105	49.5	30	7.01	21.3	5.2	210	110.8	52.67	76.56	1	1	1	1	1	23.89	31.20775533
2274	13/12/2020	7	7.3	7.3.1.2	2300053823	1120	82	33.9	31	6.6	13.4	5.4	205	72.4	35.37	76.55	1	1	1	1	1	41.19	53.80180145
2275	13/12/2020	7	7.3	7.3.1.2	2300053846	1133	36	43.1	31	4.4	23.8	3.3	136	78.5	57.58	76.64	1	1	1	1	0	19.06	24.86593304
2276	13/12/2020	7	7.3	7.3.1.2	2300054632	821	117	54	32	6.3	21.7	5.1	202	110.7	54.90	74.64	1	1	1	1	1	19.74	26.45292183
2277	13/12/2020	7	7.3	7.3.1.2	2300053824	1092	114	51.6	30	6.99	13.3	5.6	210	74.5	35.52	76.37	1	1	1	1	1	40.86	53.49590988
2278	13/12/2020	7	7.3	7.3.1.2	VSPL2201112479796	1058	79	34.4	30	6.4	13.6	5.3	192	72.1	37.54	76.16	1	1	1	1	1	38.62	50.70503292

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2279	13/12/2020	7	7.3	7.3.1.2	2300054625	1068	84	33.6	31	6.8	12.1	5.5	211	66.6	31.57	76.22	1	1	1	1	1	44.65	58.58080333
2280	13/12/2020	7	7.3	7.3.1.2	2300053835	818	45	32.2	32	5.9	22.6	4.5	189	101.7	53.87	74.62	1	1	1	1	1	20.75	27.81337552
2281	13/12/2020	7	7.3	7.3.1.2	2300049242	679	133	58.2	31	6.8	13	5.7	211	74.1	35.15	73.73	1	1	1	1	1	38.58	52.32464417
2282	13/12/2020	7	7.3	7.3.1.2	2300054516	682	42	49.5	30	6.2	14.5	5.03	186	72.9	39.21	73.75	1	1	1	1	1	34.54	46.83126747
2283	13/12/2020	7	7.3	7.3.1.2	2300047954	1151	44	38.6	30	5.2	13.4	4.3	156	57.6	36.94	76.75	1	1	1	1	1	39.82	51.87655704
2284	13/12/2020	7	7.3	7.3.1.2	2300047947	889	81	34.8	31	6.6	15	4.8	205	72.0	35.19	75.08	1	1	1	1	1	39.88	53.12642745
2285	13/12/2020	7	7.3	7.3.1.2	2300041949	676	36	43.5	31	3.8	11.9	3.4	118	40.5	34.35	73.71	1	1	1	1	1	39.37	53.40492272
2286	13/12/2020	7	7.3	7.3.1.2	2300047948	1120	46	45.3	20	5.9	14.4	4.5	118	64.8	54.92	76.55	1	1	1	1	1	21.64	28.26598971
2287	13/12/2020	7	7.3	7.3.1.2	2300048543	1139	48	40.7	32	5.1	13.8	4.6	163	63.5	38.90	76.68	1	1	1	1	1	37.78	49.27061696
2288	13/12/2020	7	7.3	7.3.1.2	2300046587	778	105	57.5	28	5.8	16.5	5.3	162	87.5	53.85	74.37	1	1	1	1	1	20.52	27.58908445
2289	13/12/2020	7	7.3	7.3.1.2	2300047970	810	105	64.3	22	5.8	15.5	5.2	128	80.6	63.17	74.57	1	1	1	0	0	11.40	15.2928199
2290	13/12/2020	7	7.3	7.3.1.2	2300047858	811	33	30.2	32	5.2	12.5	3.9	166	48.8	29.30	74.58	1	1	1	1	1	45.28	60.71562183
2291	13/12/2020	7	7.3	7.3.1.2	2300047845	807	80	48.4	23	5.6	14.2	4.5	129	63.9	49.61	74.55	1	1	1	1	1	24.94	33.45235565
2292	13/12/2020	7	7.3	7.3.1.2	23000	795	115	70.3	32	5.8	24.7	5.4	186	133.4	71.86	74.47	0	0	0	0	0	2.61	3.504277818
2293	13/12/2020	7	7.3	7.3.1.2	2300047881	796	45	36	32	5.6	14	4.6	179	64.4	35.94	74.48	1	1	1	1	1	38.54	51.74905076
2294	13/12/2020	7	7.3	7.3.1.2	2300047844	797	86	46.1	32	5.9	15.5	5.4	189	83.7	44.33	74.49	1	1	1	1	1	30.15	40.48257259
2295	13/12/2020	7	7.3	7.3.1.2	2300049158	809	88	50.5	28	5.6	15.8	5.08	157	80.3	51.19	74.56	1	1	1	1	1	23.37	31.34884111
2296	13/12/2020	7	7.3	7.3.1.2	23000	838	45	54.6	32	5.7	14.9	4.6	182	68.5	37.58	74.75	1	1	1	1	1	37.17	49.72955646
2297	13/12/2020	7	7.3	7.3.1.3	2300054668	868	73	38.2	31	6.1	14.6	5.08	189	74.2	39.22	74.94	1	1	1	1	1	35.72	47.6635337
2298	13/12/2020	7	7.3	7.3.1.3	2300057718	691	89	58	21	4.5	14.8	3.7	95	54.8	57.95	73.81	1	1	1	1	0	15.86	21.48984405
2299	13/12/2020	7	7.3	7.3.1.3	2300054719	812	121	68.7	22	6.1	16.9	5.5	134	93.0	69.26	74.58	1	0	0	0	0	5.32	7.133688891
2300	13/12/2020	7	7.3	7.3.1.3	2300055379	838	111	68.8	22	6.2	16.6	5.6	136	93.0	68.15	74.75	1	0	0	0	0	6.60	8.82512098
2301	13/12/2020	7	7.3	7.3.1.3	2300055124	845	86	57.2	21	5.6	14.7	4.6	118	67.6	57.50	74.79	1	1	1	1	0	17.29	23.12217558
2302	13/12/2020	7	7.3	7.3.1.3	2300054768	892	82	45.7	30	5.6	16.9	4.09	168	69.1	41.14	75.09	1	1	1	1	1	33.95	45.21131639
2303	13/12/2020	7	7.3	7.3.1.3	2300055141	897	134	56.3	30	7.6	20.5	5.6	228	114.8	50.35	75.13	1	1	1	1	1	24.78	32.97880757
2304	13/12/2020	7	7.3	7.3.1.3	2300054767	912	101	62	32	6.1	15.8	5.6	195	88.5	45.33	75.22	1	1	1	1	1	29.89	39.74184841
2305	13/12/2020	7	7.3	7.3.1.3	2300055146	895	68	35.6	31	6.2	13.7	5.1	192	69.9	36.35	75.11	1	1	1	1	1	38.76	51.60321971
2306	13/12/2020	7	7.3	7.3.1.3	2300053854	818	31	39.2	32	2.7	13.9	1.6	86	22.2	25.74	74.62	1	1	1	1	1	48.88	65.50478853
2307	13/12/2020	7	7.3	7.3.1.3	2300053569	889	135	55.1	32	6.3	22.6	4.9	202	110.7	54.93	75.08	1	1	1	1	1	20.15	26.83301158
2308	13/12/2020	7	7.3	7.3.1.3	2300049192	917	94	41.4	32	6.7	15.3	5.8	214	88.7	41.39	75.25	1	1	1	1	1	33.86	45.0002852

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2309	13/12/2020	7	7.3	7.3.1.3	2300054074	938	85	38.8	31	7.6	24.4	5.6	236	136.6	58.00	75.39	1	1	1	1	0	17.39	23.07040741
2310	13/12/2020	7	7.3	7.3.1.3	2300053850	932	135	54.3	32	6.6	21.8	5.3	211	115.5	54.71	75.35	1	1	1	1	1	20.64	27.39766612
2311	13/12/2020	7	7.3	7.3.1.3	2300049256	1022	89	37.3	31	6.8	14.4	5.6	211	80.6	38.25	75.93	1	1	1	1	1	37.67	49.61690806
2312	13/12/2020	7	7.3	7.3.1.3	VSPL2201101247 9797	1022	73	35.4	31	6.1	13.7	4.9	189	67.1	35.50	75.93	1	1	1	1	1	40.43	53.24478894
2313	13/12/2020	7	7.3	7.3.1.3	2300053852	1009	63	30.4	31	6.08	12.6	4.5	188	56.7	30.08	75.84	1	1	1	1	1	45.76	60.33578654
2314	13/12/2020	7	7.3	7.3.1.3	2300054601	879	26	64.6	21	3.1	14.9	2.7	65	40.2	61.80	75.01	1	1	1	0	0	13.21	17.61642863
2315	13/12/2020	7	7.3	7.3.1.3	2300054622	1026	88	37.5	31	6.9	14	5.8	214	81.2	37.96	75.95	1	1	1	1	1	37.99	50.01913787
2316	13/12/2020	7	7.3	7.3.1.3	2300053828	1029	76	35.2	31	6.3	13.7	5.1	195	69.9	35.78	75.97	1	1	1	1	1	40.20	52.90907438
2317	13/12/2020	7	7.3	7.3.1.3	2300054629	985	83	36.8	30	6.7	14	5.6	201	78.4	39.00	75.69	1	1	1	1	1	36.69	48.46746582
2318	13/12/2020	7	7.3	7.3.1.3	2300054630	989	82	37.8	31	6.5	14.2	5.4	202	76.7	38.05	75.72	1	1	1	1	1	37.66	49.74009244
2319	13/12/2020	7	7.3	7.3.1.3	2300053691	999	95	40	31	6.8	19.1	4.5	211	86.0	40.77	75.78	1	1	1	1	1	35.01	46.19495909
2320	13/12/2020	7	7.3	7.3.1.4	2300053829	958	89	35.3	30	6.7	13.3	5.5	201	73.2	36.39	75.52	1	1	1	1	1	39.12	51.80828364
2321	13/12/2020	7	7.3	7.3.1.4	2300053830	968	102	41.8	31	7.1	14.9	6.3	220	93.9	42.65	75.58	1	1	1	1	1	32.93	43.57221637
2322	13/12/2020	7	7.3	7.3.1.4	2300053833	978	47	40.8	23	5.7	12	4.4	131	52.8	40.27	75.65	1	1	1	1	1	35.37	46.75855237
2323	13/12/2020	7	7.3	7.3.1.4	2300054500	988	118	50.7	30	6.8	20	5.4	204	108.0	52.94	75.71	1	1	1	1	1	22.77	30.07299447
2324	13/12/2020	7	7.3	7.3.1.4	2300054636	965	43	26.6	27	5.06	11.4	3.5	137	39.9	29.21	75.56	1	1	1	1	1	46.36	61.34949522
2325	13/12/2020	7	7.3	7.3.1.4	2300054965	998	46	46.7	23	6.4	8.7	4.7	147	40.9	27.78	75.77	1	1	1	1	1	47.99	63.33989774
2326	13/12/2020	7	7.3	7.3.1.4	2300053832	829	61	35.4	32	5.6	13.7	4.5	179	61.7	34.40	74.69	1	1	1	1	1	40.29	53.94006584
2327	13/12/2020	7	7.3	7.3.1.4	2300049189	926	60	33.7	31	5.5	13.3	4.4	171	58.5	34.32	75.31	1	1	1	1	1	40.99	54.42638842
2328	13/12/2020	7	7.3	7.3.1.4	2300049255	726	72	44.6	31	5.1	15.3	4.7	158	71.9	45.48	74.03	1	1	1	1	1	28.55	38.56220929
2329	13/12/2020	7	7.3	7.3.1.4	2300047940	818	42	37.5	31	4.7	14.7	3.7	146	54.4	37.33	74.62	1	1	1	1	1	37.29	49.97382727
2330	13/12/2020	7	7.3	7.3.1.4	2300047952	944	85	42	31	6.09	14.9	5.3	189	79.0	41.83	75.43	1	1	1	1	1	33.60	44.54344821
2331	13/12/2020	7	7.3	7.3.1.4	2300047961	936	67	42.4	28	5.1	15.1	4.5	143	68.0	47.58	75.38	1	1	1	1	1	27.79	36.87144303
2332	13/12/2020	7	7.3	7.3.1.4	2300047950	949	84	39.6	32	6.8	13.9	5.6	218	77.8	35.77	75.46	1	1	1	1	1	39.69	52.59442294
2333	13/12/2020	7	7.3	7.3.1.4	2300047936	797	77	35.9	30	6.5	13.8	5.3	195	73.1	37.51	74.49	1	1	1	1	1	36.98	49.64518236
2334	13/12/2020	7	7.3	7.3.1.4	2300048740	523	120	50.7	30	4.7	20.6	3.6	141	74.2	52.60	72.73	1	1	1	1	1	20.14	27.68674459
2335	13/12/2020	7	7.3	7.3.1.4	2300047846	614	92	41.7	31	6.4	15.1	5.7	198	86.1	43.38	73.32	1	1	1	1	1	29.93	40.82834151
2336	13/12/2020	7	7.3	7.3.1.4	2300049248	620	20	20.8	30	7.9	10.2	2.4	237	24.5	10.33	73.35	1	1	1	1	1	63.02	85.91881298
2337	13/12/2020	7	7.3	7.3.1.4	2300047847	989	106	43.1	32	7.1	15.6	6.3	227	98.3	43.26	75.72	1	1	1	1	1	32.46	42.86904911

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2338	13/12/2020	7	7.3	7.3.1.4	2300047853	988	104	46.5	31	6.5	19.5	5.02	202	97.9	48.58	75.71	1	1	1	1	1	27.13	35.83257364
2339	13/12/2020	7	7.3	7.3.1.4	2300047862	1023	74	30.3	31	3.4	12.2	5.2	105	63.4	60.19	75.93	1	1	1	1	0	15.74	20.73328489
2340	13/12/2020	7	7.3	7.3.1.4	2300047840	1009	89	45.4	31	6.3	19.2	4.7	195	90.2	46.21	75.84	1	1	1	1	1	29.64	39.07747368
2341	13/12/2020	7	7.3	7.3.1.4	2300049249	1021	122	50.8	30	7.1	19.8	5.7	213	112.9	52.99	75.92	1	1	1	1	1	22.93	30.20859282
2342	13/12/2020	7	7.3	7.3.1.4	2300049198	1035	110	41.9	30	7.6	14.7	6.8	228	100.0	43.84	76.01	1	1	1	1	1	32.17	42.32060878
2343	13/12/2020	7	7.3	7.3.1.4	2300049157	1050	106	47	30	7.03	19.2	5.3	211	101.8	48.25	76.11	1	1	1	1	1	27.86	36.60111474
2344	13/12/2020	7	7.1	7.1.6.1	2300053989	1034	43	39.2	28	3.4	16.4	2.4	95	39.4	41.34	76.00	1	1	1	1	1	34.66	45.6018691
2345	13/12/2020	7	7.1	7.1.6.1	2300054390	1064	109	45.6	29	7.2	19.5	5.2	209	101.4	48.56	76.20	1	1	1	1	1	27.63	36.26506204
2346	13/12/2020	7	7.1	7.1.6.1	2300054414	871	42	31.8	20	6.4	6.3	6.9	128	43.5	33.96	74.96	1	1	1	1	1	41.00	54.69482887
2347	13/12/2020	7	7.1	7.1.6.1	2300054320	1060	120	49.6	30	7.5	20.3	5.6	225	113.7	50.52	76.17	1	1	1	1	1	25.65	33.66884017
2348	13/12/2020	7	7.1	7.1.6.1	2300054411	1056	67	27.6	30	6.6	10.9	5.1	198	55.6	28.08	76.14	1	1	1	1	1	48.07	63.12827
2349	13/12/2020	7	7.1	7.1.6.1	2300054476	1070	108	47.7	28	7.5	18.9	5.6	210	105.8	50.40	76.23	1	1	1	1	1	25.83	33.88776661
2350	13/12/2020	7	7.1	7.1.6.1	2300055394	591	104	45.3	29	7.1	15.3	6.3	206	96.4	46.81	73.17	1	1	1	1	1	26.35	36.01884506
2351	13/12/2020	7	7.1	7.1.6.1	2300055251	1088	105	42.8	30	7.1	15.1	6.4	213	96.6	45.37	76.35	1	1	1	1	1	30.98	40.57450239
2352	13/12/2020	7	7.1	7.1.6.1	2300054177	606	26	69.7	30	2.9	24.4	2.6	87	63.4	72.92	73.26	0	0	0	0	0	0.34	0.470705786
2353	13/12/2020	7	7.1	7.1.6.1	2300054394	1085	103	42.1	31	7.1	15.4	6.2	220	95.5	43.38	76.33	1	1	1	1	1	32.95	43.16745488
2354	13/12/2020	7	7.1	7.1.6.1	2300053982	1102	101	42.3	31	7.8	14.9	7.05	242	105.0	43.44	76.44	1	1	1	1	1	33.00	43.16639189
2355	13/12/2020	7	7.1	7.1.6.1	2300054018	1113	20	20.4	30	2.4	10.4	1.4	72	14.6	20.22	76.51	1	1	1	1	1	56.29	73.56890123
2356	13/12/2020	7	7.1	7.1.6.1	2300054551	1089	137	62.8	30	7.02	23.7	5.8	211	137.5	65.27	76.36	1	1	0	0	0	11.08	14.51752685
2357	13/12/2020	7	7.1	7.1.6.1	2300054017	1064	99	58.8	20	7.7	14.3	6.6	154	94.4	61.29	76.20	1	1	1	0	0	14.91	19.56790906
2358	13/12/2020	7	7.1	7.1.6.1	2300054544	1056	42	18.7	30	5.7	5.9	5.6	171	33.0	19.32	76.14	1	1	1	1	1	56.82	74.62500535
2359	13/12/2020	7	7.1	7.1.6.1	2300054542	1056	126	53.7	30	7.6	22.8	5.6	228	127.7	56.00	76.14	1	1	1	1	1	20.14	26.45552398
2360	13/12/2020	7	7.1	7.1.6.1	2300055346	704	104	45.6	31	4.6	19.7	3.4	143	67.0	46.97	73.89	1	1	1	1	1	26.92	36.43317104
2361	13/12/2020	7	7.1	7.1.6.1	2300055342	699	109	68.5	21	4.9	16	4.5	103	72.0	69.97	73.86	1	0	0	0	0	3.89	5.265063064
2362	13/12/2020	7	7.1	7.1.6.1	2300055397	660	20	30.4	30	2.4	20.4	2.1	72	42.8	59.50	73.61	1	1	1	0	0	14.11	19.16859122
2363	13/12/2020	7	7.1	7.1.6.1	2300029694	656	49	44.3	30	4.3	15.5	3.8	129	58.9	45.66	73.58	1	1	1	1	1	27.93	37.95027923
2364	13/12/2020	7	7.1	7.1.6.1	2300055396	652	116	49.4	30	4.2	20.5	3.1	126	63.6	50.44	73.56	1	1	1	1	1	23.12	31.43375376
2365	13/12/2020	7	7.1	7.1.6.1	2300055102	653	18	34.9	30	4.1	13.6	3.3	123	44.9	36.49	73.57	1	1	1	1	1	37.08	50.40072632
2366	13/12/2020	7	7.1	7.1.6.1	2300055393	616	17	37.1	30	4.03	14.01	3.2	121	44.8	37.08	73.33	1	1	1	1	1	36.25	49.43039006
2367	13/12/2020	7	7.1	7.1.6.1	2300054732	614	95	47	30	4.2	19	3.2	126	60.8	48.25	73.32	1	1	1	1	1	25.06	34.1832185

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2368	13/12/2020	7	7.1	7.1.6.2	2300054043	607	20	20	30	1.4	20	1.4	42	28.0	66.67	73.27	1	0	0	0	0	6.60	9.013322269
2369	13/12/2020	7	7.1	7.1.6.2	2300054038	609	46	22.3	27	4	7.1	3.6	108	25.6	23.67	73.28	1	1	1	1	1	49.62	67.7053711
2370	13/12/2020	7	7.1	7.1.6.2	2300053984	728	57	42.1	31	4.5	15.5	3.7	140	57.4	41.11	74.05	1	1	1	1	1	32.93	44.47835766
2371	13/12/2020	7	7.1	7.1.6.2	2300054045	708	30.6	35.3	30	4.8	13.3	4.05	144	53.9	37.41	73.92	1	1	1	1	1	36.51	49.39438994
2372	13/12/2020	7	7.1	7.1.6.2	2300054305	703	47	43.3	31	4.8	15.1	4.3	149	64.9	43.64	73.89	1	1	1	1	1	30.25	40.9411456
2373	13/12/2020	7	7.1	7.1.6.2	2300054419	703	26	20.6	21	3.6	7.1	3.02	76	21.4	28.36	73.89	1	1	1	1	1	45.52	61.61283469
2374	13/12/2020	7	7.1	7.1.6.2	2300055276	704	136	56.4	30	4.7	22	3.8	141	83.6	59.29	73.89	1	1	1	0	0	14.60	19.75978306
2375	13/12/2020	7	7.1	7.1.6.2	2300054016	700	14	31.7	30	4.4	12.6	3.4	132	42.8	32.45	73.87	1	1	1	1	1	41.41	56.06294445
2376	13/12/2020	7	7.1	7.1.6.2	2300055442	1071	102	59	21	7.6	14.3	6.7	160	95.8	60.03	76.24	1	1	1	1	0	16.21	21.26047565
2377	13/12/2020	7	7.1	7.1.6.2	2300054302	790	81	35.3	32	6.9	14.6	5.3	221	77.4	35.05	74.44	1	1	1	1	1	39.40	52.92269169
2378	13/12/2020	7	7.1	7.1.6.2	2300054003	1051	113	46.3	31	7.4	19.5	5.5	229	107.3	46.75	76.11	1	1	1	1	1	29.36	38.57453246
2379	13/12/2020	7	7.1	7.1.6.2	2300054293	817	21	28.3	20	4.6	6.4	4.2	92	26.9	29.22	74.61	1	1	1	1	1	45.40	60.84236465
2380	13/12/2020	7	7.1	7.1.6.2	2300054416	509	46	67.6	30	3.4	22.8	3.07	102	70.0	68.62	72.64	1	0	0	0	0	4.02	5.533963884
2381	13/12/2020	7	7.1	7.1.6.2	2300054300	1054	104	39.9	31	7.4	14.4	6.5	229	93.6	40.80	76.13	1	1	1	1	1	35.33	46.40583882
2382	13/12/2020	7	7.1	7.1.6.2	2300054492	989	81	34.5	31	6.8	13.4	5.5	211	73.7	34.96	75.72	1	1	1	1	1	40.75	53.82450996
2383	13/12/2020	7	7.1	7.1.6.2	2300054053	1008	124	48.9	32	7.3	21.5	5.3	234	114.0	48.78	75.84	1	1	1	1	1	27.06	35.67805015
2384	13/12/2020	7	7.1	7.1.6.2	2300054307	1022	45	44.9	30	6.01	11.9	4.3	180	51.2	28.38	75.93	1	1	1	1	1	47.55	62.6212655
2385	13/12/2020	7	7.1	7.1.6.2	2300054511	854	134	54.8	33	6.3	21	5.5	208	115.5	55.56	74.85	1	1	1	1	1	19.30	25.77906744
2386	13/12/2020	7	7.1	7.1.6.2	2300055353	914	47	49.8	29	3.04	20.7	2.1	88	43.5	49.31	75.24	1	1	1	1	1	25.93	34.46177577
2387	13/12/2020	7	7.1	7.1.6.2	2300054605	692	102	61.4	32	5.2	16.3	4.8	166	78.2	47.02	73.81	1	1	1	1	1	26.80	36.3010795
2388	13/12/2020	7	7.1	7.1.6.2	2300055274	688	105	62.3	32	6.6	15.5	5.9	211	91.5	43.30	73.79	1	1	1	1	1	30.49	41.31906919
2389	13/12/2020	7	7.1	7.1.6.2	2300054586	893	83	40.4	31	6.4	14.5	5.6	198	81.2	40.93	75.10	1	1	1	1	1	34.17	45.50364128
2390	13/12/2020	7	7.1	7.1.6.2	2300055243	904	81	42.1	32	5.8	15.4	5.8	186	89.3	48.13	75.17	1	1	1	1	1	27.05	35.97981152
2391	13/12/2020	7	7.1	7.1.6.2	2300055402	916	96	66.6	21	5.9	15.7	5.3	124	83.2	67.16	75.25	1	1	0	0	0	8.09	10.75026287
2392	13/12/2020	7	7.1	7.1.6.3	2300055394	946	105	51.2	29	6.9	15.8	6.1	200	96.4	48.17	75.44	1	1	1	1	1	27.27	36.15368285
2393	13/12/2020	7	7.1	7.1.6.3	2300055387	758	20	20.4	20	2.6	10.2	1.4	52	14.3	27.46	74.24	1	1	1	1	1	46.78	63.00838601
2394	13/12/2020	7	7.1	7.1.6.3	2300054947	726	85	41.5	32	6.4	15.3	5.6	205	85.7	41.84	74.03	1	1	1	1	1	32.20	43.48969168
2395	13/12/2020	7	7.1	7.1.6.3	2300055103	728	125	57	30	5.9	23.1	4.6	177	106.3	60.03	74.05	1	1	1	0	0	14.01	18.92263333
2396	13/12/2020	7	7.1	7.1.6.3	2300055109	919	124	57	30	6.03	22.2	4.7	181	104.3	57.68	75.27	1	1	1	1	0	17.59	23.36905217

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2397	13/12/2020	7	7.1	7.1.6.3	VSPL22011012479800	962	18	20	16	1.6	18.4	2.4	26	44.2	172.50	75.54	1	1	1	1	1	-96.96	-128.3473739
2398	13/12/2020	7	7.1	7.1.6.3	2300055331	977	24	46.1	25	1.9	13.6	1.6	48	21.8	45.81	75.64	1	1	1	1	1	29.83	39.43514927
2399	13/12/2020	7	7.1	7.1.6.3	2300054007	952	119	59.8	30	5.8	21.1	5.06	174	106.8	61.36	75.48	1	1	1	0	0	14.12	18.70595437
2400	13/12/2020	7	7.1	7.1.6.3	2300055362	975	125	53.8	29	7.1	19.6	5.8	206	113.7	55.21	75.63	1	1	1	1	1	20.41	26.99433051
2401	13/12/2020	7	7.1	7.1.6.3	23000	980	91	64.5	31	6.2	14.8	5.6	192	82.9	43.12	75.66	1	1	1	1	1	32.54	43.00437736
2402	13/12/2020	7	7.1	7.1.6.3	2300055373	968	107	64.2	21	7.09	15.3	6.3	149	96.4	64.74	75.58	1	1	0	0	0	10.84	14.34501025
2403	13/12/2020	7	7.1	7.1.6.3	2300054374	969	135	56.4	32	6.8	20.5	6.05	218	124.0	57.00	75.59	1	1	1	1	0	18.59	24.59506177
2404	13/12/2020	7	7.1	7.1.6.3	23000	539	42	41.7	30	3.5	14.4	3.08	105	44.4	42.24	72.84	1	1	1	1	1	30.60	42.00638149
2405	13/12/2020	7	7.1	7.1.6.3	23000	991	108	63.2	28	7.2	15.3	6.4	202	97.9	48.57	75.73	1	1	1	1	1	27.16	35.86101308
2406	13/12/2020	7	7.1	7.1.6.3	2300054351	978	25	46.3	17	4.3	14.7	2.4	73	35.3	48.26	75.65	1	1	1	1	1	27.38	36.19865649
2407	13/12/2020	7	7.1	7.1.6.3	2300054466	974	102	64.3	21	6.8	15.3	6.1	143	93.3	65.36	75.62	1	1	0	0	0	10.26	13.57116031
2408	13/12/2020	7	7.1	7.1.6.3	2300054950	964	89	43.6	29	7.1	15.5	6.3	206	97.7	47.43	75.56	1	1	1	1	1	28.13	37.23041718
2409	13/12/2020	7	7.1	7.1.6.3	2300054998	963	107	64.2	20	7.1	15.2	6.3	142	95.8	67.44	75.55	1	1	0	0	0	8.11	10.73814188
2410	13/12/2020	7	7.1	7.1.6.3	2300054483	1038	37	35.8	17	5.6	9	3.9	95	35.1	36.87	76.03	1	1	1	1	1	39.16	51.5058058
2411	13/12/2020	7	7.1	7.1.6.3	2300054546	1032	98.2	20.4	14	2.4	18.1	1.4	34	25.3	75.42	75.99	0	0	0	0	0	0.57	0.755530055
2412	13/12/2020	7	7.1	7.1.6.3	2300054317	1040	103	56.4	31	7.4	15.7	6.3	229	98.9	43.12	76.04	1	1	1	1	1	32.93	43.29866849
2413	13/12/2020	7	7.1	7.1.6.3	2300054445	514	46	48.9	29	3.4	15.3	3.06	99	46.8	47.48	72.68	1	1	1	1	1	25.19	34.66478623
2414	13/12/2020	7	7.1	7.1.6.3	VSPL220110122468964	1001	30	20.9	13	1.4	20.4	1	18	20.4	112.09	75.79	1	1	1	1	1	-36.30	-47.88806277
2415	13/12/2020	7	7.1	7.1.6.3	2300054530	1029	101	54.9	31	7.9	15.2	6.9	245	104.9	42.83	75.97	1	1	1	1	1	33.15	43.62940478
2416	13/12/2020	7	7.1	7.1.6.4	2300055091	978	134	61	31	6.5	24.9	5.1	202	127.0	63.02	75.65	1	1	1	0	0	12.62	16.68693783
2417	13/12/2020	7	7.1	7.1.6.4	2300055001	597	107	64.6	20	6.9	15.4	6.2	138	95.5	69.19	73.21	1	0	0	0	0	4.02	5.48909965
2418	13/12/2020	7	7.1	7.1.6.4	2300054939	1023	9	61.7	20	6.8	10.4	6.07	136	63.1	46.42	75.93	1	1	1	1	1	29.52	38.87041892
2419	13/12/2020	7	7.1	7.1.6.4	2300055382	1048	136	56.6	30	7.5	22	6	225	132.0	58.67	76.09	1	1	1	1	0	17.43	22.90156457
2420	13/12/2020	7	7.1	7.1.6.4	2300055145	1025	105	49.5	27	7.4	15.3	6.4	200	97.9	49.01	75.95	1	1	1	1	1	26.94	35.46861058
2421	13/12/2020	7	7.1	7.1.6.4	2300054176	1164	16	53	17	1.8	13.6	1.2	31	16.3	53.33	76.84	1	1	1	1	1	23.50	30.58773103
2422	13/12/2020	7	7.1	7.1.6.4	2300055371	790	22	40	20	5.3	25.4	2.4	106	61.0	57.51	74.44	1	1	1	1	0	16.93	22.74598484
2423	13/12/2020	7	7.1	7.1.6.4	2300054599	796	20	24	20	4.3	20.1	1	86	20.1	23.37	74.48	1	1	1	1	1	51.11	68.61980733
2424	13/12/2020	7	7.1	7.1.6.4	VSPL220110105701138	699	30	30	30	4.4	18.2	2.4	132	43.7	33.09	73.86	1	1	1	1	1	40.77	55.19755172

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2425	13/12/2020	7	7.1	7.1.6.4	2300054523	1024	108	63.4	21	7.8	15	7.1	164	106.5	65.02	75.94	1	1	0	0	0	10.92	14.38154136
2426	13/12/2020	7	7.1	7.1.6.4	2300054717	686	129	62.9	30	4.3	22.1	3.8	129	84.0	65.10	73.78	1	1	0	0	0	8.68	11.75934961
2427	13/12/2020	7	7.1	7.1.6.4	2300054936	676	69	46	29	4.8	15.3	4.07	139	62.3	44.73	73.71	1	1	1	1	1	28.98	39.31154895
2428	13/12/2020	7	7.1	7.1.6.4	2300054382	671	58	4.4	29	4.8	15	4.3	139	64.5	46.34	73.68	1	1	1	1	1	27.34	37.11189557
2429	13/12/2020	7	7.1	7.1.6.4	2300054178	665	20	15.4	20	2.4	10.2	1.4	48	14.3	29.75	73.64	1	1	1	1	1	43.89	59.60185764
2430	13/12/2020	7	7.1	7.1.6.4	2300054449	671	46	26.8	31	4.8	22.5	2.5	149	56.3	37.80	73.68	1	1	1	1	1	35.88	48.69406334
2431	13/12/2020	7	7.1	7.1.6.4	2300054387	657	83	5.1	31	6.8	15.3	3.9	211	59.7	28.31	73.59	1	1	1	1	1	45.28	61.53533918
2432	13/12/2020	7	7.1	7.1.6.4	2300054948	653	26	40.7	19	1.7	13.6	0.6	32	8.2	25.26	73.57	1	1	1	1	1	48.30	65.6588198
2433	13/12/2020	7	7.1	7.1.6.4	2300054169	625	90	60.4	24	4.2	15.6	3.8	101	59.3	58.81	73.39	1	1	1	0	0	14.58	19.86274792
2434	13/12/2020	7	7.1	7.1.6.4	2300054597	608	45	20.5	30	4.2	7.1	4.1	126	29.1	23.10	73.28	1	1	1	1	1	50.17	68.47153739
2435	13/12/2020	7	7.1	7.1.6.4	2300054303	627	46	20.8	31	4.5	7.1	4.1	140	29.1	20.87	73.40	1	1	1	1	1	52.53	71.56985739
2436	13/12/2020	7	7.1	7.1.6.4	2300054389	628	49	41.6	21	4.2	12.3	3.1	88	38.1	43.23	73.41	1	1	1	1	1	30.17	41.10595364
2437	13/12/2020	7	7.1	7.1.6.4	2300054995	624	123	61.9	21	4.6	16.1	3.8	97	61.2	63.33	73.38	1	1	0	0	0	10.05	13.69081688
2438	13/12/2020	7	7.1	7.1.6.4	2300054362	618	20	18.2	31	2.4	10.2	2	74	20.4	27.42	73.34	1	1	1	1	1	45.92	62.61398117
2439	13/12/2020	7	7.1	7.1.6.4	2300056677	612	42	33.1	31	4.2	25.2	3.3	130	83.2	63.87	73.30	1	1	0	0	0	9.43	12.86694677
2440	13/12/2020	7	7.2	7.2.5.1	2300055421	602	112	60.6	29	4.4	15.1	3.7	128	55.9	43.79	73.24	1	1	1	1	1	29.45	40.21575114
2441	13/12/2020	7	7.2	7.2.5.1	2300055168	592	129	60.5	20	4.2	16.4	3.3	84	54.1	64.43	73.17	1	1	0	0	0	8.75	11.95251449
2442	13/12/2020	7	7.2	7.2.5.1	2300557476	589	26	27	31	3.1	25.2	2.2	96	55.4	57.69	73.16	1	1	1	1	0	15.47	21.14081991
2443	13/12/2020	7	7.2	7.2.5.1	23000	995	131	62	29	4.06	21.4	3.5	118	74.9	63.61	75.75	1	1	1	0	0	12.14	16.02457382
2444	13/12/2020	7	7.2	7.2.5.1	2300055481	580	24	43.5	24	3.9	13.5	3.3	94	44.6	47.60	73.10	1	1	1	1	1	25.50	34.88720095
2445	13/12/2020	7	7.2	7.2.5.1	2300055482	860	79	48.8	21	4.8	15.9	3.8	101	60.4	59.94	74.89	1	1	1	0	0	14.95	19.96197598
2446	13/12/2020	7	7.2	7.2.5.1	2300054789	853	23	26.3	32	4.3	11.5	3.1	138	35.7	25.91	74.85	1	1	1	1	1	48.94	65.38397889
2447	13/12/2020	7	7.2	7.2.5.1	2300054810	882	49	32.3	31	5.4	12.8	4.2	167	53.8	32.11	75.03	1	1	1	1	1	42.92	57.19798357
2448	13/12/2020	7	7.2	7.2.5.1	2300054814	918	35	26.4	31	4.8	12.3	3.5	149	43.1	28.93	75.26	1	1	1	1	1	46.33	61.55860973
2449	13/12/2020	7	7.2	7.2.5.1	2300054482	852	49	5.59	30	3.9	15.2	3.6	117	54.7	46.77	74.84	1	1	1	1	1	28.07	37.50670672
2450	13/12/2020	7	7.2	7.2.5.1	2300055489	877	70	38.7	31	5.6	14.9	4.6	174	68.5	39.48	75.00	1	1	1	1	1	35.52	47.35706862
2451	13/12/2020	7	7.2	7.2.5.1	2300053901	900	33	26.1	33	5.1	11.3	3.6	168	40.7	24.17	75.15	1	1	1	1	1	50.97	67.83445161
2452	13/12/2020	7	7.2	7.2.5.1	2300053892	901	66	37.3	31	5.5	14.43	4.5	171	64.9	38.09	75.15	1	1	1	1	1	37.07	49.32291718
2453	13/12/2020	7	7.2	7.2.5.1	2300054835	901	70	36.3	31	6.1	14	5.5	189	77.0	40.72	75.15	1	1	1	1	1	34.43	45.81783657
2454	13/12/2020	7	7.2	7.2.5.1	2300055187	889	135	56.3	31	5.9	23	4.8	183	110.4	60.36	75.08	1	1	1	0	0	14.71	19.59990606

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2455	13/12/2020	7	7.2	7.2.5.1	2300055434	813	74	13.3	31	5.8	13.3	4.7	180	62.5	34.77	74.59	1	1	1	1	1	39.82	53.3894892
2456	13/12/2020	7	7.2	7.2.5.1	2300055389	893	124	52.2	32	5.8	21.9	4.4	186	96.4	51.92	75.10	1	1	1	1	1	23.18	30.86914264
2457	13/12/2020	7	7.2	7.2.5.1	2300055478	901	70	40.2	32	5.3	15.3	4.8	170	73.4	43.30	75.15	1	1	1	1	1	31.85	42.38123228
2458	13/12/2020	7	7.2	7.2.5.1	2300053899	889	92	44.6	32	5.9	16.2	5.3	189	85.9	45.48	75.08	1	1	1	1	1	29.60	39.42546591
2459	13/12/2020	7	7.2	7.2.5.1	2300055385	901	133	42.8	31	6.8	22.1	4.6	211	101.7	48.23	75.15	1	1	1	1	1	26.93	35.82931955
2460	13/12/2020	7	7.2	7.2.5.1	2300054835	992	104	47	30	6.6	20.6	3	198	61.8	31.21	75.73	1	1	1	1	1	44.52	58.78760991
2461	13/12/2020	7	7.2	7.2.5.1	2300055388	1019	103	53.6	28	7.2	14.7	6.02	202	88.5	43.90	75.91	1	1	1	1	1	32.01	42.17201791
2462	13/12/2020	7	7.2	7.2.5.1	2300057576	1031	94	42.4	31	6.5	15.3	5.7	202	87.2	43.28	75.98	1	1	1	1	1	32.70	43.04041748
2463	13/12/2020	7	7.2	7.2.5.3	2300055442	871	58	37.8	30	5.1	13.8	4.4	153	60.7	39.69	74.96	1	1	1	1	1	35.27	47.05701342
2464	13/12/2020	7	7.2	7.2.5.3	2300055474	560	40	40.7	30	4.3	15.1	3.7	129	55.9	43.31	72.97	1	1	1	1	1	29.66	40.64673493
2465	13/12/2020	7	7.2	7.2.5.3	2300055480	933	72	38.4	26	6.1	13.6	5.03	159	68.4	43.13	75.36	1	1	1	1	1	32.22	42.76272397
2466	13/12/2020	7	7.2	7.2.5.3	2300055194	945	79	38.9	30	6.2	14.3	5.2	186	74.4	39.98	75.43	1	1	1	1	1	35.46	47.00202213
2467	13/12/2020	7	7.2	7.2.5.3	2300055190	938	134	58.9	31	6.1	23.8	4.8	189	114.2	60.41	75.39	1	1	1	0	0	14.98	19.86586916
2468	13/12/2020	7	7.2	7.2.5.3	2300055182	600	77	39	30	5.4	16.4	4.4	162	72.2	44.54	73.23	1	1	1	1	1	28.68	39.17022659
2469	13/12/2020	7	7.2	7.2.5.3	2300055166	1011	86	38.1	31	6.6	14.1	5.7	205	80.4	39.28	75.86	1	1	1	1	1	36.57	48.21593837
2470	13/12/2020	7	7.2	7.2.5.3	2300054431	957	106	40.1	30	6.9	18.9	5.1	207	96.4	46.57	75.51	1	1	1	1	1	28.95	38.33303661
2471	13/12/2020	7	7.2	7.2.5.3	2300055174	1013	84	38.9	31	6.4	14.2	5.5	198	78.1	39.36	75.87	1	1	1	1	1	36.50	48.11475625
2472	13/12/2020	7	7.2	7.2.5.3	2300056720	970	44	33.4	29	6.04	12.8	4.7	175	60.2	34.35	75.59	1	1	1	1	1	41.25	54.5655197
2473	13/12/2020	7	7.2	7.2.5.3	2300054811	993	97	42.9	31	6.6	15	5.9	205	88.5	43.26	75.74	1	1	1	1	1	32.49	42.8908811
2474	13/12/2020	7	7.2	7.2.5.3	2300055477	943	15	28.5	21	2.9	9.5	1.9	61	18.1	29.64	75.42	1	1	1	1	1	45.78	60.70235948
2475	13/12/2020	7	7.2	7.2.5.3	2300055177	906	100	44.4	32	6.5	16.1	5.9	208	95.0	45.67	75.18	1	1	1	1	1	29.52	39.25831791
2476	13/12/2020	7	7.2	7.2.5.3	2300055458	964	83	39.8	32	6.2	15	5.2	198	78.0	39.31	75.56	1	1	1	1	1	36.24	47.9661122
2477	13/12/2020	7	7.2	7.2.5.3	2300055192	908	112	39.7	32	5.2	20.4	2.4	166	49.0	29.42	75.20	1	1	1	1	1	45.77	60.87211103
2478	13/12/2020	7	7.2	7.2.5.3	2300053707	960	77	35.7	32	6.4	13.9	5.3	205	73.7	35.97	75.53	1	1	1	1	1	39.56	52.37431526
2479	13/12/2020	7	7.2	7.2.5.3	2300055192	999	101	45.5	31	6.3	19.3	4.8	195	92.6	47.43	75.78	1	1	1	1	1	28.34	37.40437292
2480	13/12/2020	7	7.2	7.2.5.3	2300053730	985	86.9	37.3	31	6.8	14.2	5.7	211	80.9	38.40	75.69	1	1	1	1	1	37.29	49.2712585
2481	13/12/2020	7	7.2	7.2.5.3	2300054603	954	66	30.9	31	6.3	12.3	4.7	195	57.8	29.60	75.49	1	1	1	1	1	45.89	60.78952567
2482	13/12/2020	7	7.2	7.2.5.3	2300054918	968	80	35.5	30	6.7	13.6	5.5	201	74.8	37.21	75.58	1	1	1	1	1	38.37	50.76298028
2483	13/12/2020	7	7.2	7.2.5.3	2300054807	975	69	33.2	31	6.2	12.9	5.1	192	65.8	34.23	75.63	1	1	1	1	1	41.40	54.73782987
2484	13/12/2020	7	7.2	7.2.5.3	2300054924	964	16	63	30	3.4	22.9	2.9	102	66.4	65.11	75.56	1	1	0	0	0	10.45	13.82790536

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2485	13/12/2020	7	7.2	7.2.5.3	2300055384	985	134	53.2	32	6.9	24.7	4.9	221	121.0	54.81	75.69	1	1	1	1	1	20.88	27.58051051
2486	13/12/2020	7	7.2	7.2.5.3	2300057495	758	68	40.5	30	5.6	15.6	4.8	168	74.9	44.57	74.24	1	1	1	1	1	29.67	39.96078978
2487	13/12/2020	7	7.2	7.2.5.2	2300054813	685	122	52.5	32	4.6	21.8	3.5	147	76.3	51.83	73.77	1	1	1	1	1	21.94	29.73534075
2488	13/12/2020	7	7.2	7.2.5.2	2300057529	625	89	54.7	20	3.6	14	3	72	42.0	58.33	73.39	1	1	1	1	0	15.05	20.51163255
2489	13/12/2020	7	7.2	7.2.5.2	2300057670	589	86	38.7	31	6.6	14.9	5.6	205	83.4	40.78	73.16	1	1	1	1	1	32.37	44.25305283
2490	13/12/2020	7	7.2	7.2.5.2	2300053711	614	74	33.2	32	6.3	13.7	5	202	68.5	33.98	73.32	1	1	1	1	1	39.34	53.65491846
2491	14/12/2020	7	7.2	7.2.5.2	2300054879	768	46	23.6	31	4.3	11.8	2.7	133	31.9	23.90	74.30	1	1	1	1	1	50.40	67.83231597
2492	14/12/2020	7	7.2	7.2.5.2	2300054481	745	48	55.1	32	7.3	25.2	5.1	234	128.5	55.02	74.15	1	1	1	1	1	19.14	25.80693788
2493	14/12/2020	7	7.2	7.2.5.2	2300057496	915	83	35.1	24	6.7	14	5.4	161	75.6	47.01	75.24	1	1	1	1	1	28.23	37.51505094
2494	14/12/2020	7	7.2	7.2.5.2	2300057489	909	8	44	30	3.5	15.2	3.1	105	47.1	44.88	75.20	1	1	1	1	1	30.33	40.32707148
2495	14/12/2020	7	7.2	7.2.5.2	2300057170	946	125	54.7	31	6.6	22.3	5.2	205	116.0	56.68	75.44	1	1	1	1	0	18.76	24.87255922
2496	14/12/2020	7	7.2	7.2.5.2	2300057177	976	85	38.8	32	6.5	14.7	5.6	208	82.3	39.58	75.63	1	1	1	1	1	36.06	47.67199894
2497	14/12/2020	7	7.2	7.2.5.2	2300057171	1015	21	60.6	31	7.7	15	6.7	239	100.5	42.10	75.88	1	1	1	1	1	33.78	44.51509155
2498	14/12/2020	7	7.2	7.2.5.2	2300057165	1020	12	58.6	30	6.9	22.9	4.8	207	109.9	53.10	75.91	1	1	1	1	1	22.81	30.05051865
2499	14/12/2020	7	7.2	7.2.5.2	2300057494	945	124	53.4	30	6.6	20.4	5.3	198	108.1	54.61	75.43	1	1	1	1	1	20.83	27.6108113
2500	14/12/2020	7	7.2	7.2.5.2	2300057183	945	43	28.5	30	6	11.5	3.8	180	43.7	24.28	75.43	1	1	1	1	1	51.16	67.81586847
2501	14/12/2020	7	7.2	7.2.5.2	2300057426	948	83	39.2	29	6.8	14.1	5.4	197	76.1	38.61	75.45	1	1	1	1	1	36.84	48.8284822
2502	14/12/2020	7	7.2	7.2.5.2	2300057524	957	134	53.6	30	6.5	23.1	4.9	195	113.2	58.05	75.51	1	1	1	1	0	17.46	23.12867319
2503	14/12/2020	7	7.2	7.2.5.2	2300057519	942	77	35.9	30	5.8	13.7	5.3	174	72.6	41.73	75.41	1	1	1	1	1	33.68	44.66618614
2504	14/12/2020	7	7.2	7.2.5.2	2300057163	937	46	21.3	31	6.2	6.7	6.3	192	42.2	21.96	75.38	1	1	1	1	1	53.42	70.86669845
2505	14/12/2020	7	7.2	7.2.5.2	2300057400	966	69	34	29	6.3	12.7	5.1	183	64.8	35.45	75.57	1	1	1	1	1	40.12	53.08679298
2506	14/12/2020	7	7.2	7.2.5.2	2300057436	974	91	38.4	30	6.9	14.7	5.8	207	85.3	41.19	75.62	1	1	1	1	1	34.43	45.53210306
2507	14/12/2020	7	7.2	7.2.5.2	2300057619	970	102	48	30	6	19.7	4.5	180	88.7	49.25	75.59	1	1	1	1	1	26.34	34.84932667
2508	14/12/2020	7	7.2	7.2.5.2	2300056674	950	44	33.6	30	4.8	13.3	3.6	144	47.9	33.25	75.47	1	1	1	1	1	42.22	55.9404235
2509	14/12/2020	7	7.2	7.2.5.2	2300057615	950	91	36.6	30	6.9	18.3	4.3	207	78.7	38.01	75.47	1	1	1	1	1	37.45	49.62699394
2510	14/12/2020	7	7.2	7.2.5.2	2300057668	970	67	32.6	31	6.1	12.6	5.1	189	64.3	33.98	75.59	1	1	1	1	1	41.61	55.04667024
2511	14/12/2020	7	7.2	7.2.5.4	2300056703	965	78	50.6	21	7.1	14.7	4.7	149	69.1	46.34	75.56	1	1	1	1	1	29.22	38.67548746
2512	14/12/2020	7	7.2	7.2.5.4	2300057513	942	29	24	30	7	10.6	3.09	210	32.8	15.60	75.41	1	1	1	1	1	59.82	79.3181937
2513	14/12/2020	7	7.2	7.2.5.4	2300055383	951	106	47.7	30	6.1	20.9	4.3	183	89.9	49.11	75.47	1	1	1	1	1	26.36	34.9307964
2514	14/12/2020	7	7.2	7.2.5.4	2300057169	974	72	34.7	29	6.4	12.8	5.2	186	66.6	35.86	75.62	1	1	1	1	1	39.76	52.57569603

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2515	14/12/2020	7	7.2	7.2.5.4	2300057475	964	33	36.2	30	5.8	17.9	3.6	174	64.4	37.03	75.56	1	1	1	1	1	38.52	50.98380165
2516	14/12/2020	7	7.2	7.2.5.4	2300057174	972	75	46.2	26	6.5	13.1	5.3	169	69.4	41.08	75.61	1	1	1	1	1	34.52	45.66250623
2517	14/12/2020	7	7.2	7.2.5.4	2300054227	969	111	45.1	30	6.09	20.4	4.7	183	95.9	52.48	75.59	1	1	1	1	1	23.11	30.57131785
2518	14/12/2020	7	7.2	7.2.5.4	2300054438	959	49	40.4	21	5.2	11.5	3.9	109	44.9	41.07	75.52	1	1	1	1	1	34.45	45.61775581
2519	14/12/2020	7	7.2	7.2.5.4	2300057511	952	105	43	31	6.7	19.8	4.6	208	91.1	43.85	75.48	1	1	1	1	1	31.63	41.90195234
2520	14/12/2020	7	7.2	7.2.5.4	2300057515	961	71	33.7	32	6.4	13.3	5.1	205	67.8	33.12	75.54	1	1	1	1	1	42.42	56.15343439
2521	14/12/2020	7	7.2	7.2.5.4	2300057164	951	138	61.8	31	6.2	22.8	5.3	192	120.8	62.87	75.47	1	1	1	0	0	12.60	16.6953637
2522	14/12/2020	7	7.2	7.2.5.4	2300057479	952	95	42.9	31	6.6	15.1	5.8	205	87.6	42.81	75.48	1	1	1	1	1	32.67	43.28808341
2523	14/12/2020	7	7.2	7.2.5.4	2300057438	929	49	27.6	32	4.8	17.1	2.9	154	49.6	32.29	75.33	1	1	1	1	1	43.05	57.1426118
2524	14/12/2020	7	7.2	7.2.5.4	2300057175	937	84	37.8	31	6.6	19.1	5.7	205	108.9	53.21	75.38	1	1	1	1	1	22.17	29.4120891
2525	14/12/2020	7	7.2	7.2.5.4	2300057403	952	72	35	32	6.41	13.2	5.2	205	68.6	33.46	75.48	1	1	1	1	1	42.02	55.66524834
2526	14/12/2020	7	7.2	7.2.5.4	2300057392	947	83	39.5	31	6.05	17.4	4.2	188	73.1	38.97	75.45	1	1	1	1	1	36.48	48.35352968
2527	14/12/2020	7	7.2	7.2.5.4	2300057512	958	58	30.3	31	6.09	12.1	4.7	189	56.9	30.12	75.52	1	1	1	1	1	45.39	60.11052111
2528	14/12/2020	7	7.2	7.2.5.4	2300057428	968	131	51.5	31	6.4	22.5	5.1	198	114.8	57.84	75.58	1	1	1	1	0	17.74	23.47607393
2529	14/12/2020	7	7.2	7.2.5.4	2300057398	956	120	50.7	30	6.6	20.73	5.1	198	105.7	53.40	75.50	1	1	1	1	1	22.11	29.28166498
2530	14/12/2020	7	7.2	7.2.5.4	2300057330	968	105	49.3	30	5.9	22.4	4.1	177	91.8	51.89	75.58	1	1	1	1	1	23.69	31.34932278
2531	14/12/2020	7	7.2	7.2.5.4	2300055456	978	78	38.3	22	6.3	13.6	5.2	139	70.7	51.02	75.65	1	1	1	1	1	24.62	32.5475628
2532	14/12/2020	7	7.2	7.2.5.4	2300057478	989	89	37.2	30	6.4	13.8	5.3	192	73.1	38.09	75.72	1	1	1	1	1	37.62	49.68837333
2533	14/12/2020	7	7.2	7.2.5.4	2300057616	956	80	37.4	30	6.5	13.9	5.5	195	76.5	39.21	75.50	1	1	1	1	1	36.30	48.07570393
2534	14/12/2020	7	7.2	7.2.5.4	2300057669	848	107	49.5	30	5.9	19.7	4.6	177	90.6	51.20	74.81	1	1	1	1	1	23.62	31.56589998
2535	14/12/2020	7	7.2	7.2.6.1	2300057234	874	69	50.9	20	5.8	12.8	4.7	116	60.2	51.86	74.98	1	1	1	1	1	23.12	30.83176095
2536	14/12/2020	7	7.2	7.2.6.1	2300057572	986	120	52.4	30	6.03	20	6.9	181	138.0	76.29	75.70	0	0	0	0	0	-0.59	-0.777897581
2537	14/12/2020	7	7.2	7.2.6.1	2300054337	875	82	59	20	6.4	13.6	5.3	128	72.1	56.31	74.99	1	1	1	1	0	18.67	24.90264849
2538	14/12/2020	7	7.2	7.2.6.1	2300054058	948	93	41	30	6.3	18.6	4.3	189	80.0	42.32	75.45	1	1	1	1	1	33.14	43.9156188
2539	14/12/2020	7	7.2	7.2.6.1	2300055446	708	45	39.6	30	4.6	14.5	3.9	138	56.6	40.98	73.92	1	1	1	1	1	32.94	44.5619411
2540	14/12/2020	7	7.2	7.2.6.1	2300055451	714	16.4	32.6	30	4.3	12.5	3.4	129	42.5	32.95	73.96	1	1	1	1	1	41.01	55.45200575
2541	14/12/2020	7	7.2	7.2.6.1	2300054034	768	20	34.7	31	4.3	13.5	3.4	133	45.9	34.43	74.30	1	1	1	1	1	39.87	53.6567264
2542	14/12/2020	7	7.2	7.2.6.1	2300055453	654	21	34.3	31	4.5	13.7	3.5	140	48.0	34.37	73.57	1	1	1	1	1	39.20	53.27985275
2543	14/12/2020	7	7.2	7.2.6.1	2300055463	694	46	36	30	3.3	13.9	2.6	99	36.1	36.51	73.83	1	1	1	1	1	37.32	50.55365405
2544	14/12/2020	7	7.2	7.2.6.1	2300055460	689	40.6	35.8	31	4.6	13.5	3.8	143	51.3	35.97	73.80	1	1	1	1	1	37.82	51.25081366

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2545	14/12/2020	7	7.2	7.2.6.1	2300055438	685	15	32.6	31	4.3	12.9	3.4	133	43.9	32.90	73.77	1	1	1	1	1	40.87	55.39755211
2546	14/12/2020	7	7.2	7.2.6.1	2300057585	672	81	52.1	21	4.4	14.2	3.54	92	50.3	54.40	73.69	1	1	1	1	1	19.28	26.1704981
2547	14/12/2020	7	7.2	7.2.6.1	2300057457	671	83	52.2	21	4.3	14.3	3.3	90	47.2	52.26	73.68	1	1	1	1	1	21.42	29.07321864
2548	14/12/2020	7	7.2	7.2.6.1	23000	668	12	28.5	11	1.8	4.9	0.7	20	3.4	17.32	73.66	1	1	1	1	1	56.34	76.48255483
2549	14/12/2020	7	7.2	7.2.6.1	2300057460	680	28	36.4	31	4.8	13.9	3.9	149	54.2	36.43	73.74	1	1	1	1	1	37.31	50.5933825
2550	14/12/2020	7	7.2	7.2.6.1	2300057452	654	53	44.2	31	4.6	15.3	4.2	143	64.3	45.06	73.57	1	1	1	1	1	28.51	38.74930869
2551	14/12/2020	7	7.2	7.2.6.1	2300057576	649	93	40.2	31	4.4	18.5	3.1	136	57.4	42.05	73.54	1	1	1	1	1	31.49	42.82610383
2552	14/12/2020	7	7.2	7.2.6.1	2300057463	648	20	38.4	30	4.5	20.2	2.4	135	48.5	35.91	73.53	1	1	1	1	1	37.62	51.16340495
2553	14/12/2020	7	7.2	7.2.6.1	2300054332	651	46	31.3	31	4.4	12.2	3.5	136	42.7	31.30	73.55	1	1	1	1	1	42.25	57.43852636
2554	14/12/2020	7	7.2	7.2.6.1	2300054461	655	124	49.5	31	4.5	20.6	3.4	140	70.0	50.21	73.58	1	1	1	1	1	23.37	31.76236741
2555	14/12/2020	7	7.2	7.2.6.1	2300055445	649	49	42.2	20	4.03	12	2.9	81	34.8	43.18	73.54	1	1	1	1	1	30.36	41.28853208
2556	14/12/2020	7	7.2	7.2.6.1	2300054368	641	10	34.2	30	4.2	13	3.4	126	44.2	35.08	73.49	1	1	1	1	1	38.41	52.26543906
2557	14/12/2020	7	7.2	7.2.6.1	2300055386	645	12	36.4	30	4.4	13.3	3.6	132	47.9	36.27	73.51	1	1	1	1	1	37.24	50.65874898
2558	14/12/2020	7	7.2	7.2.6.1	2300055380	645	26	27	29	3.3	11.3	2.3	96	26.0	27.16	73.51	1	1	1	1	1	46.36	63.05766964
2559	14/12/2020	7	7.2	7.2.6.2	2300054818	648	42	42.7	22	3.8	12.5	3.02	84	37.8	45.16	73.53	1	1	1	1	1	28.38	38.5916805
2560	14/12/2020	7	7.2	7.2.6.2	2300051660	650	29	25.7	26	2.8	9.4	2.1	73	19.7	27.12	73.55	1	1	1	1	1	46.43	63.13139448
2561	14/12/2020	7	7.2	7.2.6.2	2300054211	644	41	30.1	30	4	12.3	3.1	120	38.1	31.78	73.51	1	1	1	1	1	41.73	56.7731772
2562	14/12/2020	7	7.2	7.2.6.2	2300051467	628	18	31.1	30	4.4	13.7	3.8	132	52.1	39.44	73.41	1	1	1	1	1	33.97	46.27166204
2563	14/12/2020	7	7.2	7.2.6.2	2300054193	624	23	37.7	31	4.4	14.5	3.6	136	52.2	38.27	73.38	1	1	1	1	1	35.11	47.8468202
2564	14/12/2020	7	7.2	7.2.6.2	2300054384	623	51	47.1	27	4.2	15.1	3.9	113	58.9	51.93	73.37	1	1	1	1	1	21.44	29.22318104
2565	14/12/2020	7	7.2	7.2.6.2	23000	596	32	68.7	30	3.2	24.9	2.8	96	69.7	72.63	73.20	0	0	0	0	0	0.58	0.786061278
2566	14/12/2020	7	7.2	7.2.6.2	2300054440	610	19	38.3	29	3.9	14.1	3.2	113	45.1	39.89	73.29	1	1	1	1	1	33.40	45.56706344
2567	14/12/2020	7	7.2	7.2.6.2	23000	548	36	44	31	4.1	16.3	3.4	127	55.4	43.60	72.89	1	1	1	1	1	29.29	40.18171538
2568	14/12/2020	7	7.2	7.2.6.2	2300054373	533	136	44.5	30	4.02	19.9	2.7	121	53.7	44.55	72.80	1	1	1	1	1	28.24	38.79951591
2569	14/12/2020	7	7.2	7.2.6.2	23000	540	42	25.2	30	4.1	11.9	2.7	123	32.1	26.12	72.84	1	1	1	1	1	46.72	64.13888798
2570	14/12/2020	7	7.2	7.2.6.2	2300054502	550	17	42.7	30	4.2	15.3	3.7	126	56.6	44.93	72.91	1	1	1	1	1	27.98	38.37465856
2571	14/12/2020	7	7.2	7.2.6.2	2300054330	532	107	42.6	31	4.01	15.4	3.5	124	53.9	43.36	72.79	1	1	1	1	1	29.43	40.43293441
2572	14/12/2020	7	7.2	7.2.6.2	2300054473	517	38	30.4	31	3.5	15	2.3	109	34.5	31.80	72.69	1	1	1	1	1	40.90	56.25927161
2573	14/12/2020	7	7.2	7.2.6.2	2300054256	507	132	46.5	30	3.5	12.6	3.4	105	42.8	40.80	72.63	1	1	1	1	1	31.83	43.82548451
2574	14/12/2020	7	7.2	7.2.6.2	2300054213	553	6	40.1	32	3.6	14.5	3.07	115	44.5	38.64	72.93	1	1	1	1	1	34.28	47.01215347

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2575	14/12/2020	7	7.2	7.2.6.2	2300054372	-	10	-	-	-	-	-	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
2576	14/12/2020	7	7.2	7.2.6.2	2300054474	-	10	-	-	-	-	-	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
2577	14/12/2020	7	7.2	7.2.6.2	2300054325	-	10	-	-	-	-	-	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
2578	14/12/2020	7	7.2	7.2.6.2	2300054404	833	20	30.4	30	2.4	20.5	1.4	72	28.7	39.86	74.72	1	1	1	1	1	34.86	46.65068938
2579	14/12/2020	7	7.2	7.2.6.2	2300054406	915	20	30.5	11	2.4	18.5	2.1	26	38.9	147.16	75.24	1	1	1	1	1	-71.92	-95.58104637
2580	14/12/2020	7	7.2	7.2.6.2	23000	904	20	24	20	2.5	17.4	1.5	50	26.1	52.20	75.17	1	1	1	1	1	22.97	30.55888128
2581	14/12/2020	7	7.2	7.2.6.2	2300054428	924	40	54.8	11	5.6	7	5.3	62	37.1	60.23	75.30	1	1	1	1	0	15.07	20.01647721
2582	14/12/2020	7	7.2	7.2.6.2	2300054422	947	92	62.2	20	6.2	14.8	5.4	124	79.9	64.45	75.45	1	1	0	0	0	11.00	14.57343068
2583	14/12/2020	7	7.2	7.2.6.3	2300057454	942	66	34.3	30	5.9	13.8	4.6	177	63.5	35.86	75.41	1	1	1	1	1	39.55	52.4438084
2584	14/12/2020	7	7.2	7.2.6.3	2300054429	954	104	62.9	20	7.03	14.6	6.3	141	92.0	65.42	75.49	1	1	0	0	0	10.07	13.3418418
2585	14/12/2020	7	7.2	7.2.6.3	2300054031	973	134	56.1	30	5.1	22.7	5.5	153	124.9	81.60	75.61	1	0	0	0	0	-5.99	-7.919393954
2586	14/12/2020	7	7.2	7.2.6.3	2300055450	859	89	63.6	20	4.8	15.1	4.2	96	63.4	66.06	74.88	1	1	0	0	0	8.82	11.77974884
2587	14/12/2020	7	7.2	7.2.6.3	2300055447	969	128	58.9	31	6.4	22.4	5.5	198	123.2	62.10	75.59	1	1	1	0	0	13.49	17.84793512
2588	14/12/2020	7	7.2	7.2.6.3	2300055489	982	93	57.6	20	6.9	14.6	5.8	138	84.7	61.36	75.67	1	1	1	0	0	14.31	18.90885409
2589	14/12/2020	7	7.2	7.2.6.3	2300055455	956	46	49	31	4.1	14.5	3.5	127	50.8	39.93	75.50	1	1	1	1	1	35.58	47.11673808
2590	14/12/2020	7	7.2	7.2.6.3	2300055461	983	132	61.9	30	6.3	22.1	5.4	189	119.3	63.14	75.68	1	1	1	0	0	12.53	16.56290515
2591	14/12/2020	7	7.2	7.2.6.3	2300055457	584	94	60.2	20	6.1	14.7	5.2	122	76.4	62.66	73.12	1	1	0	0	0	10.47	14.31529943
2592	14/12/2020	7	7.2	7.2.6.3	2300055462	639	138	58.1	30	4.5	23	3.7	135	85.1	63.04	73.48	1	1	0	0	0	10.44	14.20684277
2593	14/12/2020	7	7.2	7.2.6.3	2300055468	934	41	29.9	30	4.8	12.4	3.6	144	44.6	31.00	75.36	1	1	1	1	1	44.36	58.86608389
2594	14/12/2020	7	7.2	7.2.6.3	2300057121	873	48	34.6	27	5.5	12.5	4.1	149	51.3	34.51	74.97	1	1	1	1	1	40.46	53.96783849
2595	14/12/2020	7	7.2	7.2.6.3	2300057471	862	7	23.2	21	1.7	3.9	0.9	36	3.5	9.83	74.90	1	1	1	1	1	65.07	86.87374468
2596	14/12/2020	7	7.2	7.2.6.3	2300057460	756	21	30.6	26	4.1	11.5	2.8	107	32.2	30.21	74.22	1	1	1	1	1	44.02	59.30397688
2597	14/12/2020	7	7.2	7.2.6.3	2300054408	780	134	51.8	30	5.09	22.1	4.1	153	90.6	59.34	74.38	1	1	1	1	0	15.04	20.22026357
2598	14/12/2020	7	7.2	7.2.6.3	2300054204	639	71	53.2	20	3.7	13.7	3.02	74	41.4	55.91	73.48	1	1	1	1	0	17.56	23.90560838
2599	14/12/2020	7	7.2	7.2.6.3	2300054331	617	12	34.6	30	4.3	13.3	3.5	129	46.6	36.09	73.33	1	1	1	1	1	37.25	50.79379596
2600	14/12/2020	7	7.2	7.2.6.3	2300054056	705	71	54.2	21	4.5	14.4	3.6	95	51.8	54.86	73.90	1	1	1	1	1	19.04	25.76640388
2601	14/12/2020	7	7.2	7.2.6.3	2300055433	703	113	45.1	31	4.7	20.5	3.3	146	67.7	46.43	73.89	1	1	1	1	1	27.45	37.1578846
2602	14/12/2020	7	7.2	7.2.6.3	23000	531	43	45.3	26	3.5	14.7	2.8	91	41.2	45.23	72.78	1	1	1	1	1	27.55	37.85650602
2603	14/12/2020	7	7.2	7.2.6.3	2300057453	520	104	49.7	30	5.1	20	4.6	153	92.0	60.13	72.71	1	1	1	0	0	12.58	17.30516963
2604	14/12/2020	7	7.2	7.2.6.3	2300057591	944	54	30.1	31	5.4	12.7	4.2	167	53.3	31.86	75.43	1	1	1	1	1	43.56	57.75578265

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2605	14/12/2020	7	7.2	7.2.6.3	2300055454	840	92	44.2	31	5.2	18.1	3.9	161	70.6	43.79	74.76	1	1	1	1	1	30.97	41.42703167
2606	14/12/2020	7	7.2	7.2.6.3	2300055398	844	48	34.8	30	5.2	13.3	4.2	156	55.9	35.81	74.79	1	1	1	1	1	38.98	52.12081641
2607	14/12/2020	7	7.4	7.4.2.4	2300047841	833	88	36.4	31	4.8	12	2.6	149	31.2	20.97	74.72	1	1	1	1	1	53.75	71.93719527
2608	14/12/2020	7	7.4	7.4.2.4	2300051817	514	25	30.5	31	5.08	11.1	3.7	157	41.1	26.08	72.68	1	1	1	1	1	46.60	64.11518837
2609	14/12/2020	7	7.4	7.4.2.4	2300051616	846	14	24.1	31	5.9	23.7	3.4	183	80.6	44.06	74.80	1	1	1	1	1	30.74	41.10076728
2610	14/12/2020	7	7.4	7.4.2.4	2300051921	748	46	22.2	31	4	14.7	2.4	124	35.3	28.45	74.17	1	1	1	1	1	45.72	61.64165372
2611	14/12/2020	7	7.4	7.4.2.4	2300054430	606	23	39.3	30	4.1	18.6	3.2	123	59.5	48.39	73.26	1	1	1	1	1	24.87	33.95121791
2612	14/12/2020	7	7.4	7.4.2.4	2300054920	589	94	37.2	30	4.7	13.3	2.6	141	34.6	24.52	73.16	1	1	1	1	1	48.63	66.47580951
2613	14/12/2020	7	7.4	7.4.2.4	2300051453	753	34	34.2	31	4.1	11.7	3.8	127	44.5	34.98	74.21	1	1	1	1	1	39.22	52.86000112
2614	14/12/2020	7	7.4	7.4.2.4	2300047935	786	45	38.6	20	4.4	13.3	3.05	88	40.6	46.10	74.42	1	1	1	1	1	28.32	38.05587087
2615	14/12/2020	7	7.4	7.4.2.4	2300051623	921	80	38.6	31	6.3	14.5	3.3	195	47.9	24.50	75.28	1	1	1	1	1	50.78	67.45398796
2616	14/12/2020	7	7.4	7.4.2.4	2300048719	930	70	49.7	21	5.8	13.2	4.6	122	60.7	49.85	75.34	1	1	1	1	1	25.49	33.82859016
2617	14/12/2020	7	7.4	7.4.2.4	2300051625	921	48	30.7	31	5.4	12.4	4.2	167	52.1	31.11	75.28	1	1	1	1	1	44.17	58.6730263
2618	14/12/2020	7	7.4	7.4.2.4	2300049167	908	55	47.6	20	4.5	13	3.3	90	42.9	47.67	75.20	1	1	1	1	1	27.53	36.61111495
2619	14/12/2020	7	7.4	7.4.2.4	2300049106	835	119	5	31	5.6	21.7	4.2	174	91.1	52.50	74.73	1	1	1	1	1	22.23	29.74708952
2620	14/12/2020	7	7.4	7.4.2.4	2300048657	850	42	30.9	30	5.1	11.6	3.7	153	42.9	28.05	74.83	1	1	1	1	1	46.77	62.50997303
2621	14/12/2020	7	7.4	7.4.2.4	2300048657	923	91	42.9	31	5.7	14.6	3.9	177	56.9	32.22	75.29	1	1	1	1	1	43.07	57.20183408
2622	14/12/2020	7	7.4	7.4.2.4	2300048673	928	47	29.5	30	5.3	11.8	4.1	159	48.4	30.43	75.33	1	1	1	1	1	44.90	59.60492245
2623	14/12/2020	7	7.4	7.4.2.4	2300051462	894	51	33.2	30	5.3	13.4	4.1	159	54.9	34.55	75.11	1	1	1	1	1	40.55	53.99472341
2624	14/12/2020	7	7.4	7.4.2.4	2300047831	508	15	28.9	30	3.3	14.2	2.8	99	39.8	40.16	72.64	1	1	1	1	1	32.48	44.70930025
2625	14/12/2020	7	7.4	7.4.2.4	2300051456	609	32	37	21	3.7	11.1	2.6	78	28.9	37.14	73.28	1	1	1	1	1	36.14	49.31627657
2626	14/12/2020	7	7.4	7.4.2.4	2300050355	734	24	33	30	4.4	12.7	3.6	132	45.7	34.64	74.08	1	1	1	1	1	39.45	53.24692154
2627	14/12/2020	7	7.4	7.4.2.4	2300050353	692	25	35.5	29	4.1	13	3.3	119	42.9	36.08	73.81	1	1	1	1	1	37.73	51.11991075
2628	14/12/2020	7	7.4	7.4.2.4	2300049230	705	32	28.6	30	3.9	13.6	1.9	117	25.8	22.09	73.90	1	1	1	1	1	51.81	70.11357535
2629	14/12/2020	7	7.4	7.4.2.2	2300051424	701	72	36.1	20	4.4	17.6	2.8	88	49.3	56.00	73.87	1	1	1	1	0	17.87	24.19360952
2630	14/12/2020	7	7.4	7.4.2.2	2300054932	712	67	50.6	30	4.6	13.1	3.7	138	48.5	35.12	73.94	1	1	1	1	1	38.82	52.49951529
2631	14/12/2020	7	7.4	7.4.2.2	2300052468	676	14	26.6	30	4.5	11.3	3.3	135	37.3	27.62	73.71	1	1	1	1	1	46.09	62.5270345
2632	14/12/2020	7	7.4	7.4.2.2	2300049826	822	42	33.1	30	5.2	12.7	4.2	156	53.3	34.19	74.65	1	1	1	1	1	40.45	54.19454325
2633	14/12/2020	7	7.4	7.4.2.2	2300051693	720	23	33.5	30	4.6	13.1	3.3	138	43.2	31.33	73.99	1	1	1	1	1	42.67	57.66401741
2634	14/12/2020	7	7.4	7.4.2.2	2300051717	719	18	32.6	30	4.7	12.9	3.7	141	47.7	33.85	73.99	1	1	1	1	1	40.14	54.24765254

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2635	14/12/2020	7	7.4	7.4.2.2	230047843	609	67	51.4	30	4.4	13.3	3.5	132	46.6	35.27	73.28	1	1	1	1	1	38.02	51.87852191
2636	14/12/2020	7	7.4	7.4.2.2	2300051624	1049	97	37.4	30	7.5	14	6.3	225	88.2	39.20	76.10	1	1	1	1	1	36.90	48.48855973
2637	14/12/2020	7	7.4	7.4.2.2	2300057472	808	134	60.3	30	5.3	21.9	4.6	159	100.7	63.36	74.56	1	1	1	0	0	11.20	15.02029238
2638	14/12/2020	7	7.4	7.4.2.2	2300049063	814	68	37.5	30	5.8	14.9	4.5	174	67.1	38.53	74.60	1	1	1	1	1	36.06	48.34215053
2639	14/12/2020	7	7.4	7.4.2.2	23000	845	128	44.7	30	5.2	23.2	3.8	156	88.2	56.51	74.79	1	1	1	1	0	18.28	24.44204012
2640	14/12/2020	7	7.4	7.4.2.2	2300048735	858	111	47.8	30	6.7	19.7	5.7	201	112.3	55.87	74.88	1	1	1	1	1	19.01	25.39027682
2641	14/12/2020	7	7.4	7.4.2.2	23000	878	63	46.4	20	5.7	12.7	4.4	114	55.9	49.02	75.01	1	1	1	1	1	25.99	34.64780594
2642	14/12/2020	7	7.4	7.4.2.2	23000	981	65	30	30	6.4	12.3	4.9	192	60.3	31.39	75.66	1	1	1	1	1	44.27	58.51334974
2643	14/12/2020	7	7.4	7.4.2.2	23000	1058	46	39	29	3.5	13.7	2.9	102	39.7	39.14	76.16	1	1	1	1	1	37.01	48.60255216
2644	14/12/2020	7	7.4	7.4.2.2	2300048721	504	80	37.7	31	6.2	14.2	5.3	192	75.3	39.16	72.61	1	1	1	1	1	33.45	46.0731784
2645	14/12/2020	7	7.4	7.4.2.2	2300051475	624	26	18.9	30	3.3	12	2.6	99	31.2	31.52	73.38	1	1	1	1	1	41.86	57.05188974
2646	14/12/2020	7	7.4	7.4.2.2	2300051434	1010	39	22.2	31	4.8	12.1	2.8	149	33.9	22.77	75.85	1	1	1	1	1	53.08	69.98178351
2647	14/12/2020	7	7.4	7.4.2.2	2300048742	797	108	48.2	30	5.4	20.5	4.02	162	82.4	50.87	74.49	1	1	1	1	1	23.62	31.70552317
2648	14/12/2020	7	7.4	7.4.2.2	2300048744	716	129	56.3	30	5.1	22.3	4.5	153	100.4	65.59	73.97	1	1	0	0	0	8.38	11.32938485
2649	14/12/2020	7	7.4	7.4.2.2	2300049269	1089	91	58.4	29	5.7	14.8	3.3	165	48.8	29.55	76.36	1	1	1	1	1	46.81	61.30437127
2650	14/12/2020	7	7.4	7.4.2.2	-	1130	116	53.3	31	7.1	20.8	5.7	220	118.6	53.87	76.62	1	1	1	1	1	22.75	29.69481799
2651	14/12/2020	7	7.4	7.4.2.3	2300051813	1007	68	35.8	30	5.8	13.7	4.6	174	63.0	36.22	75.83	1	1	1	1	1	39.61	52.23788908
2652	14/12/2020	7	7.4	7.4.2.3	2300051616	1018	122	55.4	31	6.7	20.9	5.5	208	115.0	55.34	75.90	1	1	1	1	1	20.56	27.083832
2653	14/12/2020	7	7.4	7.4.2.3	2300051617	1039	89	57.1	21	7.06	14	6.06	148	84.8	57.22	76.04	1	1	1	1	0	18.81	24.74078454
2654	14/12/2020	7	7.4	7.4.2.3	2300052493	1008	79	34.6	25	6.8	13.4	5.5	170	73.7	43.35	75.84	1	1	1	1	1	32.48	42.83420119
2655	14/12/2020	7	7.4	7.4.2.3	2300051814	984	82	41.8	30	5.9	14.7	5.2	177	76.4	43.19	75.68	1	1	1	1	1	32.50	42.93817858
2656	14/12/2020	7	7.4	7.4.2.3	2300050863	1079	111	50.9	30	6.7	22.1	4.8	201	106.1	52.78	76.29	1	1	1	1	1	23.52	30.82315825
2657	14/12/2020	7	7.4	7.4.2.3	2300051427	1030	58	27.6	30	6.04	12.3	4.2	181	51.7	28.51	75.98	1	1	1	1	1	47.47	62.47606705
2658	14/12/2020	7	7.4	7.4.2.3	2300050611	1036	133	55.1	30	7.5	23.3	5.3	225	123.5	54.88	76.02	1	1	1	1	1	21.13	27.7992059
2659	14/12/2020	7	7.4	7.4.2.3	2300051804	1050	79	34.8	30	6.7	13.6	5.3	201	72.1	35.86	76.11	1	1	1	1	1	40.25	52.88059218
2660	14/12/2020	7	7.4	7.4.2.3	2300051432	1051	36	23	30	4.02	11.3	4.7	121	53.1	44.04	76.11	1	1	1	1	1	32.07	42.14064644
2661	14/12/2020	7	7.4	7.4.2.3	2300054926	1047	35	18.4	18	5.1	5.8	4	92	23.2	25.27	76.09	1	1	1	1	1	50.81	66.78486787
2662	14/12/2020	7	7.4	7.4.2.3	2300052494	1023	39	22.3	30	5.1	10.6	3.2	153	33.9	22.17	75.93	1	1	1	1	1	53.76	70.80337107
2663	14/12/2020	7	7.4	7.4.2.3	2300054368	914	62	34.6	30	5.6	12.6	4.6	168	58.0	34.50	75.24	1	1	1	1	1	40.74	54.14404883
2664	14/12/2020	7	7.4	7.4.2.3	2300052500	1000	88	42.2	30	5.8	19.1	3.9	174	74.5	42.81	75.79	1	1	1	1	1	32.98	43.5115393

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2665	14/12/2020	7	7.4	7.4.2.3	2300054452	1063	106	44.2	30	7.6	14.5	6.7	228	97.2	42.61	76.19	1	1	1	1	1	33.58	44.07389876
2666	14/12/2020	7	7.4	7.4.2.3	2300051445	1046	89	35.5	30	6.2	14.6	3.8	186	55.5	29.83	76.08	1	1	1	1	1	46.25	60.79416382
2667	14/12/2020	7	7.4	7.4.2.3	2300052499	522	29	62.5	30	3.9	21.6	3.6	117	77.8	66.46	72.73	1	0	0	0	0	6.27	8.614790612
2668	14/12/2020	7	7.4	7.4.2.3	2300054933	510	9	40.6	32	3.8	15.7	3.1	122	48.7	40.02	72.65	1	1	1	1	1	32.63	44.90754157
2669	14/12/2020	7	7.4	7.4.2.3	2300074848	839	46	59.3	32	3.6	25.5	5	115	127.5	110.68	74.76	1	1	1	1	1	-35.92	-48.05189622
2670	14/12/2020	7	7.4	7.4.2.3	2300051594	953	96	43.3	32	6.1	19.2	4.4	195	84.5	43.28	75.49	1	1	1	1	1	32.21	42.66599476
2671	14/12/2020	7	7.4	7.4.2.3	2300051619	780	47	34.3	32	5.4	13.7	4.3	173	58.9	34.09	74.38	1	1	1	1	1	40.29	54.16462504
2672	14/12/2020	7	7.4	7.4.2.3	2300051620	676	16	60.9	32	5.2	23.6	4.2	166	99.1	59.57	73.71	1	1	1	0	0	14.15	19.18956961
2673	14/12/2020	7	7.4	7.4.2.3	2300051609	574	66	51.5	30	3.6	15.3	3.3	108	50.5	46.75	73.06	1	1	1	1	1	26.31	36.01114706
2674	14/12/2020	7	7.4	7.4.2.3	2300051666	541	20	30	30	4.1	20.4	2.4	123	49.0	39.80	72.85	1	1	1	1	1	33.04	45.35929677
2675	14/12/2020	7	7.4	7.4.2.1	2300052428	544	33	39.2	31	4.7	15	4	146	60.0	41.18	72.87	1	1	1	1	1	31.69	43.48584571
2676	14/12/2020	7	7.4	7.4.2.1	2300051581	711	83	56.7	22	4.2	14.7	3.4	92	50.0	54.09	73.94	1	1	1	1	1	19.85	26.84129997
2677	14/12/2020	7	7.4	7.4.2.1	2300051639	685	43	38.2	32	4.9	14.7	4.1	157	60.3	38.44	73.77	1	1	1	1	1	35.33	47.89548597
2678	14/12/2020	7	7.4	7.4.2.1	2300051423	781	40	39.9	32	4.7	14.8	4	150	59.2	39.36	74.38	1	1	1	1	1	35.02	47.08339097
2679	14/12/2020	7	7.4	7.4.2.1	2300057726	680	45	41.7	31	4.4	15.6	3.7	136	57.7	42.32	73.74	1	1	1	1	1	31.42	42.61206496
2680	14/12/2020	7	7.4	7.4.2.1	2300051179	657	41	40.7	31	6.4	15.1	3.9	198	58.9	29.68	73.59	1	1	1	1	1	43.91	59.66552928
2681	14/12/2020	7	7.4	7.4.2.1	2300051609	962	65	34.6	29	6.04	13	4.8	175	62.4	35.62	75.54	1	1	1	1	1	39.92	52.84187001
2682	14/12/2020	7	7.4	7.4.2.1	2300049365	966	59	31.3	30	6.6	12.4	4.6	198	57.0	28.81	75.57	1	1	1	1	1	46.76	61.87813847
2683	14/12/2020	7	7.4	7.4.2.1	2300054426	967	72	33.4	33	6.4	13.2	5.3	211	70.0	33.13	75.57	1	1	1	1	1	42.45	56.16925218
2684	14/12/2020	7	7.4	7.4.2.1	2300053888	965	65	31.5	31	4.9	12.7	5.01	152	63.6	41.89	75.56	1	1	1	1	1	33.67	44.56548803
2685	14/12/2020	7	7.4	7.4.2.1	2300051458	971	41	30.6	30	6.3	11.7	3.8	189	44.5	23.52	75.60	1	1	1	1	1	52.08	68.88401447
2686	14/12/2020	7	7.4	7.4.2.1	2300054927	995	72	34.6	31	5.1	13.4	5.1	158	68.3	43.23	75.75	1	1	1	1	1	32.53	42.93924222
2687	14/12/2020	7	7.4	7.4.2.1	2300054389	992	34	27.5	30	3.9	10.7	3.03	117	32.4	27.71	75.73	1	1	1	1	1	48.02	63.41146156
2688	14/12/2020	7	7.4	7.4.2.1	2300051661	737	32	42.2	30	4.2	14.7	3.4	126	50.0	39.67	74.10	1	1	1	1	1	34.44	46.47075864
2689	14/12/2020	7	7.4	7.4.2.1	2300052663	641	15	38.9	30	4.1	14.2	3.5	123	49.7	40.41	73.49	1	1	1	1	1	33.08	45.01648687
2690	14/12/2020	7	7.4	7.4.2.1	2300054370	992	84	35.7	32	7.2	13.7	5.8	230	79.5	34.49	75.73	1	1	1	1	1	41.25	54.46235123
2691	14/12/2020	7	7.4	7.4.2.1	2300052498	994	137	54.7	31	6.3	22.7	5.6	195	127.1	65.09	75.75	1	1	0	0	0	10.66	14.07040522
2692	14/12/2020	7	7.4	7.4.2.1	23000	982	71	37	28	6.2	13.2	5.1	174	67.3	38.78	75.67	1	1	1	1	1	36.89	48.75328153
2693	14/12/2020	7	7.4	7.4.2.1	2300054537	971	105	48.7	31	5.7	20.8	4.5	177	93.6	52.97	75.60	1	1	1	1	1	22.63	29.9327285
2694	14/12/2020	7	7.4	7.4.2.1	2300054483	947	54	30.6	30	3.9	12.8	2.3	117	29.4	25.16	75.45	1	1	1	1	1	50.28	66.64882651

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2695	14/12/2020	7	7.4	7.4.2.1	2300052484	963	94	44.2	31	6.5	14.4	5.7	202	82.1	40.73	75.55	1	1	1	1	1	34.81	46.08216723
2696	14/12/2020	7	7.4	7.4.2.1	2300051615	960	129	55.2	31	5.7	22.6	5.1	177	115.3	65.23	75.53	1	1	0	0	0	10.30	13.63802193
2697	14/12/2020	7	7.4	7.4.2.1	2300051640	961	63	40	30	6.04	12.8	4.6	181	58.9	32.49	75.54	1	1	1	1	1	43.04	56.98169196
2698	14/12/2020	7	7.4	7.4.2.1	2300051654	958	68	33.5	31	6.3	17.2	3.7	195	63.6	32.59	75.52	1	1	1	1	1	42.93	56.84987594
2699	14/12/2020	7	7.2	7.2.6.4	2300051629	974	54	34.3	31	6.4	12.2	4.2	198	51.2	25.83	75.62	1	1	1	1	1	49.79	65.84666819
2700	14/12/2020	7	7.2	7.2.6.4	2300051439	951	107	46.3	30	6.2	20	4.7	186	94.0	50.54	75.47	1	1	1	1	1	24.93	33.03825715
2701	14/12/2020	7	7.2	7.2.6.4	2300054373	950	15	20.2	30	2.9	18.2	1.4	87	25.5	29.29	75.47	1	1	1	1	1	46.18	61.19132282
2702	14/12/2020	7	7.2	7.2.6.4	2300051658	944	62	32.6	30	6.1	12.8	4.8	183	61.4	33.57	75.43	1	1	1	1	1	41.85	55.48874617
2703	14/12/2020	7	7.2	7.2.6.4	2300051728	730	48	22.6	32	2.7	13.8	1.1	86	15.2	17.57	74.06	1	1	1	1	1	56.49	76.27610191
2704	14/12/2020	7	7.2	7.2.6.4	2300050860	640	69	41.8	30	5.5	15.9	4.8	165	76.3	46.25	73.48	1	1	1	1	1	27.23	37.0532301
2705	14/12/2020	7	7.2	7.2.6.4	2300054510	800	47	41.7	21	4.6	11.8	3.4	97	40.1	41.53	74.51	1	1	1	1	1	32.97	44.25671611
2706	14/12/2020	7	7.2	7.2.6.4	2300054508	871	110	67.6	21	6.3	16.1	5.7	132	91.8	69.37	74.96	1	0	0	0	0	5.60	7.4643687
2707	14/12/2020	7	7.2	7.2.6.4	2300051550	868	86	41.8	30	4.2	18.6	3.9	126	72.5	57.57	74.94	1	1	1	1	0	17.37	23.17786669
2708	14/12/2020	7	7.2	7.2.6.4	2300054925	886	13	22.3	30	6.3	5.6	5.1	189	28.6	15.11	75.06	1	1	1	1	1	59.95	79.86699187
2709	14/12/2020	7	7.2	7.2.6.4	2300054446	894	65	34.1	30	5.6	13.5	4.4	168	59.4	35.36	75.11	1	1	1	1	1	39.75	52.92468025
2710	14/12/2020	7	7.2	7.2.6.4	2300054374	904	50	31.4	31	4.9	12.5	4.05	152	50.6	33.33	75.17	1	1	1	1	1	41.84	55.66431037
2711	14/12/2020	7	7.2	7.2.6.4	2300054440	862	45	36.6	31	6.2	13.9	4.8	192	66.7	34.71	74.90	1	1	1	1	1	40.19	53.65481698
2712	14/12/2020	7	7.2	7.2.6.4	2300054442	916	65	34.3	31	6.1	13.3	5.03	189	66.9	35.38	75.25	1	1	1	1	1	39.87	52.98560767
2713	14/12/2020	7	7.2	7.2.6.4	2300054971	934	110	56.5	31	6.5	20	4.8	202	96.0	47.64	75.36	1	1	1	1	1	27.72	36.78290328
2714	14/12/2020	7	7.2	7.2.6.4	2300051652	921	57	46.1	21	5.2	12.5	4.05	109	50.6	46.36	75.28	1	1	1	1	1	28.92	38.4170513
2715	14/12/2020	7	7.2	7.2.6.4	2300048729	882	18	21	31	2.4	20	1.4	74	28.0	37.63	75.03	1	1	1	1	1	37.40	49.841387
2716	14/12/2020	7	7.2	7.2.6.4	2300051725	580	57	56.7	17	4.2	11.3	3.7	71	41.8	58.56	73.10	1	1	1	0	0	14.54	19.89189449
2717	14/12/2020	7	7.2	7.2.6.4	2300054245	534	33	49.3	32	3.6	16.6	3.3	115	54.8	47.55	72.80	1	1	1	1	1	25.25	34.6844341
2718	14/12/2020	7	7.2	7.2.6.4	2300054992	761	27	39.5	32	4.1	15.5	3.3	131	51.2	38.99	74.26	1	1	1	1	1	35.27	47.49775038
2719	14/12/2020	7	7.2	7.2.6.4	2300051707	1000	90	49.6	31	6.3	17.9	4.7	195	84.1	43.08	75.79	1	1	1	1	1	32.71	43.15926827
2720	14/12/2020	7	7.2	7.2.6.4	2300054251	659	7	33.5	30	4.4	13.1	3.5	132	45.9	34.73	73.60	1	1	1	1	1	38.87	52.80822068
2721	14/12/2020	7	7.2	7.2.6.4	2300051440	1012	47	25.6	31	5.8	11.8	3.8	180	44.8	24.94	75.86	1	1	1	1	1	50.92	67.12641649
2722	14/12/2020	7	7.4	7.4.1.1	2300044487	989	59	32.2	30	6.09	12.1	4.7	183	56.9	31.13	75.72	1	1	1	1	1	44.59	58.88887961
2723	14/12/2020	7	7.4	7.4.1.1	2300049273	908	51	31.6	31	5.6	12.6	4.3	174	54.2	31.21	75.20	1	1	1	1	1	43.99	58.49622404
2724	14/12/2020	7	7.4	7.4.1.1	2300043989	986	66	44.1	21	6.6	13.9	4.4	139	61.2	44.13	75.70	1	1	1	1	1	31.57	41.70530682

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2725	14/12/2020	7	7.4	7.4.1.1	2300041889	989	56	29.8	30	5.7	12	4.4	171	52.8	30.88	75.72	1	1	1	1	1	44.84	59.21950961
2726	14/12/2020	7	7.4	7.4.1.1	2300037836	1023	86	35.6	31	7.2	13.6	5.9	223	80.2	35.95	75.93	1	1	1	1	1	39.98	52.65599133
2727	14/12/2020	7	7.4	7.4.1.1	2300041399	1040	83	37.4	31	6.06	18.3	4.5	188	82.4	43.84	76.04	1	1	1	1	1	32.21	42.35312696
2728	14/12/2020	7	7.4	7.4.1.1	2300043847	1038	81	55.7	30	6.09	13	5.8	183	75.4	41.27	76.03	1	1	1	1	1	34.76	45.71843283
2729	14/12/2020	7	7.4	7.4.1.1	2300041885	1027	72	33.4	30	6.5	12.8	5.2	195	66.6	34.13	75.96	1	1	1	1	1	41.83	55.06335891
2730	14/12/2020	7	7.4	7.4.1.1	2300041940	1024	63	31.8	30	6.6	11.8	4.9	198	57.8	29.20	75.94	1	1	1	1	1	46.74	61.54572818
2731	14/12/2020	7	7.4	7.4.1.1	2300042599	972	109	48.9	30	6.4	20.5	4.7	192	96.4	50.18	75.61	1	1	1	1	1	25.42	33.62727735
2732	14/12/2020	7	7.4	7.4.1.1	2300043882	1012	49	34.4	30	6.2	13.1	5.06	186	66.3	35.64	75.86	1	1	1	1	1	40.23	53.02357096
2733	14/12/2020	7	7.4	7.4.1.1	2300043840	773	81	37.4	30	4.6	18.2	2.9	138	52.8	38.25	74.33	1	1	1	1	1	36.09	48.54738285
2734	14/12/2020	7	7.4	7.4.1.1	2300043846	600	42	39.6	31	3.7	14.4	3.07	115	44.2	38.54	73.23	1	1	1	1	1	34.68	47.36530164
2735	14/12/2020	7	7.4	7.4.1.1	2300043822	620	118	50.6	31	4.7	21	5.2	146	109.2	74.95	73.35	0	0	0	0	0	-1.59	-2.173738808
2736	14/12/2020	7	7.4	7.4.1.1	2300043820	630	76	45.5	30	6.7	12.9	5.6	201	72.2	35.94	73.42	1	1	1	1	1	37.48	51.04702048
2737	14/12/2020	7	7.4	7.4.1.1	2300043841	991	126	56.4	31	6.5	23.7	4.9	202	116.1	57.63	75.73	1	1	1	1	0	18.10	23.89545489
2738	14/12/2020	7	7.4	7.4.1.1	230043842	976	134	56.9	30	6.6	21.2	5.4	198	114.5	57.82	75.63	1	1	1	1	0	17.81	23.55368623
2739	14/12/2020	7	7.4	7.4.1.1	2300043847	944	88	41.8	30	6.4	15	5.6	192	84.0	43.75	75.43	1	1	1	1	1	31.68	41.99735906
2740	14/12/2020	7	7.4	7.4.1.1	2300043845	972	47	30.2	31	5.9	12.3	4.5	183	55.4	30.26	75.61	1	1	1	1	1	45.34	59.97391969
2741	15/12/2020	7	7.4	7.4.1.1	2300043849	695	122	49.8	30	6.2	20.4	4.7	186	95.9	51.55	73.83	1	1	1	1	1	22.29	30.18340182
2742	15/12/2020	7	7.4	7.4.1.1	-	950	42	39.7	19	4.7	11	3.4	89	37.4	41.88	75.47	1	1	1	1	1	33.58	44.50308882
2743	15/12/2020	7	7.4	7.4.1.1	-	789	92	43.2	30	5.6	19.3	3.8	168	73.3	43.65	74.44	1	1	1	1	1	30.78	41.35230736
2744	15/12/2020	7	7.4	7.4.1.1	-	963	77	37.6	31	6.2	14.6	5.05	192	73.7	38.36	75.55	1	1	1	1	1	37.19	49.22370825
2745	15/12/2020	7	7.4	7.4.1.1	-	977	48	29	32	5.6	18	2.8	179	50.4	28.13	75.64	1	1	1	1	1	47.51	62.81670254
2746	15/12/2020	7	7.4	7.4.1.2	23000	792	82	44.8	31	5.6	16.1	5.02	174	80.8	46.56	74.45	1	1	1	1	1	27.90	37.47018109
2747	15/12/2020	7	7.4	7.4.1.2	2300047991	697	54	34.8	32	5.2	14.6	4.2	166	61.3	36.85	73.85	1	1	1	1	1	37.00	50.09809289
2748	15/12/2020	7	7.4	7.4.1.2	2300047907	817	44	31.9	32	5.6	13.2	4.5	179	59.4	33.15	74.61	1	1	1	1	1	41.47	55.57540672
2749	15/12/2020	7	7.4	7.4.1.2	23000	777	11	28.4	31	4.9	12.1	3.7	152	44.8	29.47	74.36	1	1	1	1	1	44.89	60.36334943
2750	15/12/2020	7	7.4	7.4.1.2	2300049065	619	14	39.8	30	3.8	14.8	3.2	114	47.4	41.54	73.35	1	1	1	1	1	31.80	43.36030129
2751	15/12/2020	7	7.4	7.4.1.2	2300047839	620	17	39	30	3.3	14.7	2.8	99	41.2	41.58	73.35	1	1	1	1	1	31.78	43.32175808
2752	15/12/2020	7	7.4	7.4.1.2	23000	751	26	43.5	31	2.9	15.5	2.5	90	38.8	43.10	74.19	1	1	1	1	1	31.09	41.90314874
2753	15/12/2020	7	7.4	7.4.1.2	23000	684	30	37.3	30	4	15.6	3.07	120	47.9	39.91	73.76	1	1	1	1	1	33.85	45.89472314
2754	15/12/2020	7	7.4	7.4.1.2	2300049302	530	103	46.8	30	5.4	20.2	4.1	162	82.8	51.12	72.78	1	1	1	1	1	21.65	29.75424333

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2755	15/12/2020	7	7.4	7.4.1.2	23000	816	63	38.7	32	5.8	14.3	4.1	186	58.6	31.59	74.61	1	1	1	1	1	43.02	57.65967417
2756	15/12/2020	7	7.4	7.4.1.2	2300049298	786	101	44.2	31	5.1	20.2	3.6	158	72.7	46.00	74.42	1	1	1	1	1	28.42	38.19076852
2757	15/12/2020	7	7.4	7.4.1.2	23000	720	127	54.7	31	4.7	22.1	3.7	146	81.8	56.12	73.99	1	1	1	1	0	17.87	24.15308155
2758	15/12/2020	7	7.4	7.4.1.2	2300048904	590	40	45.8	31	3.9	15.9	3.5	121	55.7	46.03	73.16	1	1	1	1	1	27.13	37.0851307
2759	15/12/2020	7	7.4	7.4.1.2	23000	660	61	41.7	30	5.01	15.3	4.3	150	65.8	43.77	73.61	1	1	1	1	1	29.84	40.53463512
2760	15/12/2020	7	7.4	7.4.1.2	2300047880	791	71	41.3	31	5.09	14.9	4.4	158	65.6	41.55	74.45	1	1	1	1	1	32.90	44.19101807
2761	15/12/2020	7	7.4	7.4.1.2	23000	773	69	34.9	30	4.8	17.6	3.06	144	53.9	37.40	74.33	1	1	1	1	1	36.93	49.68600841
2762	15/12/2020	7	7.4	7.4.1.2	44492	740	49	39.1	31	4.7	14.8	4.01	146	59.3	40.73	74.12	1	1	1	1	1	33.39	45.04598764
2763	15/12/2020	7	7.4	7.4.1.2	23000	695	47	39	32	4.8	15.7	3.8	154	59.7	38.84	73.83	1	1	1	1	1	34.99	47.39395694
2764	15/12/2020	7	7.4	7.4.1.2	23000	723	42	39.2	31	5.03	15.2	4.1	156	62.3	39.97	74.01	1	1	1	1	1	34.05	46.00064353
2765	15/12/2020	7	7.4	7.4.1.2	23000	909	31	37	31	4.8	14.2	4.06	149	57.7	38.74	75.20	1	1	1	1	1	36.46	48.48036044
2766	15/12/2020	7	7.4	7.4.1.2	23000	685	31	37.7	32	4.6	14.4	3.8	147	54.7	37.17	73.77	1	1	1	1	1	36.60	49.60835971
2767	15/12/2020	7	7.4	7.4.1.2	2300044528	587	32	36.6	32	4.2	15.7	3.6	134	56.5	42.05	73.14	1	1	1	1	1	31.09	42.50483789
2768	15/12/2020	7	7.4	7.4.1.2	23000	583	130	41.6	32	4.4	21.4	3.4	141	72.8	51.68	73.12	1	1	1	1	1	21.44	29.32424058
2769	15/12/2020	7	7.4	7.4.1.3	2300041896	720	67	67.7	30	5.3	15.8	4.6	159	72.7	45.71	73.99	1	1	1	1	1	28.28	38.22378595
2770	15/12/2020	7	7.4	7.4.1.3	2300049274	756	46	42.1	32	5.09	14.1	4.1	163	57.8	35.49	74.22	1	1	1	1	1	38.73	52.18231871
2771	15/12/2020	7	7.4	7.4.1.3	2300041831	747	119	36.6	32	5.2	21	4.6	166	96.6	58.05	74.17	1	1	1	1	0	16.11	21.72658843
2772	15/12/2020	7	7.4	7.4.1.3	2300041892	594	49	45.2	30	4.4	13.6	3.6	132	49.0	37.09	73.19	1	1	1	1	1	36.10	49.32077416
2773	15/12/2020	7	7.4	7.4.1.3	2300049266	567	121	58.6	31	4.3	21.4	3.3	133	70.6	52.98	73.01	1	1	1	1	1	20.04	27.44177268
2774	15/12/2020	7	7.4	7.4.1.3	2300049267	727	116	42.9	32	5.3	20.5	3.6	170	73.8	43.51	74.04	1	1	1	1	1	30.52	41.22790896
2775	15/12/2020	7	7.4	7.4.1.3	2300043835	723	51	42.8	32	4.6	15.5	4.1	147	63.6	43.17	74.01	1	1	1	1	1	30.84	41.66911531
2776	15/12/2020	7	7.4	7.4.1.3	2300043996	668	20	63.5	32	4.9	20.2	4.1	157	82.8	52.82	73.66	1	1	1	1	1	20.84	28.29484511
2777	15/12/2020	7	7.4	7.4.1.3	2300042007	601	133	20.4	32	4.5	21.6	4.3	144	92.9	64.50	73.23	1	1	0	0	0	8.73	11.92423026
2778	15/12/2020	7	7.4	7.4.1.3	23000	685	61	64.4	30	3.9	13.8	3.03	117	41.8	35.74	73.77	1	1	1	1	1	38.03	51.55420694
2779	15/12/2020	7	7.4	7.4.1.3	2300042884	563	15	47.2	32	4.07	14.3	3.2	130	45.8	35.14	72.99	1	1	1	1	1	37.85	51.86255619
2780	15/12/2020	7	7.4	7.4.1.3	2300043838	573	13	36	29	4	14.2	2.9	116	41.2	35.50	73.05	1	1	1	1	1	37.55	51.40527725
2781	15/12/2020	7	7.4	7.4.1.3	2300043828	576	20	18.2	30	2.1	20.4	1.4	63	28.6	45.33	73.07	1	1	1	1	1	27.74	37.9610724
2782	15/12/2020	7	7.4	7.4.1.3	2300043834	975	89	43.9	31	6.6	23.3	6.07	205	141.4	69.13	75.63	1	0	0	0	0	6.50	8.595442112
2783	15/12/2020	7	7.4	7.4.1.3	2300043838	948	50	30.6	32	5.5	15.7	4.2	176	65.9	37.47	75.45	1	1	1	1	1	37.99	50.34550014
2784	15/12/2020	7	7.4	7.4.1.3	2300043833	591	9	38.4	30	3.5	12.7	2.8	105	35.6	33.87	73.17	1	1	1	1	1	39.30	53.71408058

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2785	15/12/2020	7	7.4	7.4.1.3	2300043818	533	96	29.2	30	3.7	14.5	1.9	111	27.6	24.82	72.80	1	1	1	1	1	47.98	65.90552958
2786	15/12/2020	7	7.4	7.4.1.3	2300043844	972	62	47.5	21	5.6	17.6	4.6	118	81.0	68.84	75.61	1	0	0	0	0	6.76	8.945309926
2787	15/12/2020	7	7.4	7.4.1.3	2300043836	924	89	37.3	31	6.2	12.6	4.05	192	51.0	26.55	75.30	1	1	1	1	1	48.75	64.74022669
2788	15/12/2020	7	7.4	7.4.1.3	2300041892	807	47	33.6	29	5.3	18.5	4.1	154	75.9	49.35	74.55	1	1	1	1	1	25.20	33.80435634
2789	15/12/2020	7	7.4	7.4.1.3	2300048622	920	52	30.9	30	5.5	12.6	4.4	165	55.4	33.60	75.27	1	1	1	1	1	41.67	55.36307357
2790	15/12/2020	7	7.4	7.4.1.3	2300043998	857	86	41.5	31	6.2	12.3	5.4	192	66.4	34.56	74.87	1	1	1	1	1	40.31	53.84348459
2791	15/12/2020	7	7.4	7.4.1.3	2300048654	942	55	30.6	30	5.7	15.3	4.5	171	68.9	40.26	75.41	1	1	1	1	1	35.15	46.61106587
2792	15/12/2020	7	7.4	7.4.1.3	2300049203	956	59	30.2	32	5.7	12.4	4.5	182	55.8	30.59	75.50	1	1	1	1	1	44.91	59.48301654
2793	15/12/2020	7	7.2	7.2.4.1	2300055326	935	34	25.6	31	4.7	12.9	3.3	146	42.6	29.22	75.37	1	1	1	1	1	46.15	61.23448275
2794	15/12/2020	7	7.2	7.2.4.1	2300045566	989	63	35.1	31	6.02	11.4	4.8	187	54.7	29.32	75.72	1	1	1	1	1	46.39	61.27400943
2795	15/12/2020	7	7.2	7.2.4.1	2300046577	639	20	20.4	31	1.4	13.7	1	43	13.7	31.57	73.48	1	1	1	1	1	41.91	57.03768288
2796	15/12/2020	7	7.2	7.2.4.1	2300046358	658	82	51.2	32	4.1	15	3.3	131	49.5	37.73	73.60	1	1	1	1	1	35.87	48.73628543
2797	15/12/2020	7	7.2	7.2.4.1	2300055359	511	22	41.6	31	3.8	15.3	3.2	118	49.0	41.56	72.66	1	1	1	1	1	31.09	42.79654726
2798	15/12/2020	7	7.2	7.2.4.1	2300046565	724	97	31.4	32	5.2	12	4	166	48.0	28.85	74.02	1	1	1	1	1	45.17	61.02903306
2799	15/12/2020	7	7.2	7.2.4.1	2300034946	747	41	28	31	5.08	12.2	3.6	157	43.9	27.89	74.17	1	1	1	1	1	46.28	62.39657666
2800	15/12/2020	7	7.2	7.2.4.1	2300055096	858	44	24.4	30	3.4	13.6	2.8	102	38.1	37.33	74.88	1	1	1	1	1	37.54	50.14058574
2801	15/12/2020	7	7.2	7.2.4.1	2300046570	961	76	36.1	30	6.4	13.8	5.3	192	73.1	38.09	75.54	1	1	1	1	1	37.44	49.56901573
2802	15/12/2020	7	7.2	7.2.4.1	23000	960	47	29.1	30	5.3	11.9	3.9	159	46.4	29.19	75.53	1	1	1	1	1	46.34	61.35485338
2803	15/12/2020	7	7.2	7.2.4.1	2300035469	951	66	33.6	31	6.2	12.9	5.07	192	65.4	34.03	75.47	1	1	1	1	1	41.44	54.91250308
2804	15/12/2020	7	7.2	7.2.4.1	2300035309	953	47	30.1	31	5.9	11.2	4	183	44.8	24.49	75.49	1	1	1	1	1	50.99	67.55091176
2805	15/12/2020	7	7.2	7.2.4.1	23000	925	74	35.6	30	6.5	13	5.3	195	68.9	35.33	75.31	1	1	1	1	1	39.97	53.08032118
2806	15/12/2020	7	7.2	7.2.4.1	2300034954	927	115	44.2	31	6.6	21.9	4.2	205	92.0	44.96	75.32	1	1	1	1	1	30.36	40.31236327
2807	15/12/2020	7	7.2	7.2.4.1	2300053771	931	107	46.5	31	5.9	22.4	3.9	183	87.4	47.76	75.34	1	1	1	1	1	27.58	36.60603129
2808	15/12/2020	7	7.2	7.2.4.1	2300055085	933	48	30.1	31	4.7	12.3	3.4	146	41.8	28.70	75.36	1	1	1	1	1	46.65	61.91098661
2809	15/12/2020	7	7.2	7.2.4.1	2300055079	976	120	22.5	31	6.6	20.4	5.3	205	108.1	52.84	75.63	1	1	1	1	1	22.79	30.12971322
2810	15/12/2020	7	7.2	7.2.4.1	2300035560	978	126	21.2	31	5.9	6.3	6.3	183	39.7	21.70	75.65	1	1	1	1	1	53.94	71.31294157
2811	15/12/2020	7	7.2	7.2.4.1	23000	982	79	35.5	30	6.7	13.6	5.4	201	73.4	36.54	75.67	1	1	1	1	1	39.13	51.7154392
2812	15/12/2020	7	7.2	7.2.4.1	23000	883	89	55.7	22	6.5	14.7	5.5	143	80.9	56.54	75.04	1	1	1	1	0	18.50	24.65275685
2813	15/12/2020	7	7.2	7.2.4.1	2300035031	885	127	58	30	6.4	22	5.3	192	116.6	60.73	75.05	1	1	1	0	0	14.32	19.0817233
2814	15/12/2020	7	7.2	7.2.4.1	2300041528	889	20	20	30	2.4	18.2	2.1	72	38.2	53.08	75.08	1	1	1	1	1	21.99	29.29349438

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2815	15/12/2020	7	7.2	7.2.4.1	2300035584	890	21	28	30	2.1	20.2	2	63	40.4	64.13	75.08	1	1	0	0	0	10.96	14.59073529
2816	15/12/2020	7	7.2	7.2.4.1	2300040860	983	74	36.5	30	6.2	13.5	5.1	186	68.9	37.02	75.68	1	1	1	1	1	38.66	51.08681474
2817	15/12/2020	7	7.4	7.4.1.4	2300049223	997	79	34.6	30	6.8	13	5.6	204	72.8	35.69	75.77	1	1	1	1	1	40.08	52.89985256
2818	15/12/2020	7	7.4	7.4.1.4	2300048636	1003	102	48.3	30	7.2	19.8	4.8	216	95.0	44.00	75.81	1	1	1	1	1	31.81	41.95648847
2819	15/12/2020	7	7.4	7.4.1.4	2300049296	990	96	40.3	30	7.1	14.4	6.2	213	89.3	41.92	75.72	1	1	1	1	1	33.81	44.64555485
2820	15/12/2020	7	7.4	7.4.1.4	2300047993	980	10	20	30	2.4	21	1.4	72	29.4	40.83	75.66	1	1	1	1	1	34.82	46.0290606
2821	15/12/2020	7	7.4	7.4.1.4	2300049277	963	135	60.6	31	6.2	24	4.9	192	117.6	61.19	75.55	1	1	1	0	0	14.36	19.01136702
2822	15/12/2020	7	7.4	7.4.1.4	2300049116	967	73	33.2	30	6.8	12.7	5.5	204	69.9	34.24	75.57	1	1	1	1	1	41.33	54.69363322
2823	15/12/2020	7	7.4	7.4.1.4	2300048737	959	96	41	30	7.04	14.7	6.1	211	89.7	42.46	75.52	1	1	1	1	1	33.07	43.78262376
2824	15/12/2020	7	7.4	7.4.1.4	2300049259	712	56	44.4	30	4.7	15	4.3	141	64.5	45.74	73.94	1	1	1	1	1	28.20	38.13504378
2825	15/12/2020	7	7.4	7.4.1.4	2300049268	940	76	38.5	30	5.5	14.3	4.5	165	64.4	39.00	75.40	1	1	1	1	1	36.40	48.27723403
2826	15/12/2020	7	7.4	7.4.1.4	2300049271	930	40	20.6	30	6.5	6.8	6.1	195	41.5	21.27	75.34	1	1	1	1	1	54.07	71.76485323
2827	15/12/2020	7	7.4	7.4.1.4	2300048639	974	47	28	29	6.4	12.2	4.5	186	54.9	29.58	75.62	1	1	1	1	1	46.04	60.88349928
2828	15/12/2020	7	7.4	7.4.1.4	2300049272	1005	87	38.4	30	6.7	14.5	5.6	201	81.2	40.40	75.82	1	1	1	1	1	35.42	46.71712529
2829	15/12/2020	7	7.4	7.4.1.4	2300049300	989	85	38.4	30	6.7	14.1	5.7	201	80.4	39.99	75.72	1	1	1	1	1	35.73	47.19044077
2830	15/12/2020	7	7.4	7.4.1.4	2300048744	1008	91	39.7	30	6.9	14.4	5.9	207	85.0	41.04	75.84	1	1	1	1	1	34.79	45.87949151
2831	15/12/2020	7	7.4	7.4.1.4	2300049264	1004	86	37	30	6.9	13.7	5.8	207	79.5	38.39	75.81	1	1	1	1	1	37.43	49.36596322
2832	15/12/2020	7	7.4	7.4.1.4	2300049303	995	89	59	30	7.4	14.3	6.3	222	90.1	40.58	75.75	1	1	1	1	1	35.17	46.43044449
2833	15/12/2020	7	7.4	7.4.1.4	2300049306	958	27	20.2	29	5.5	6.5	5.7	160	37.1	23.23	75.52	1	1	1	1	1	52.29	69.24033184
2834	15/12/2020	7	7.4	7.4.1.4	2300047908	661	10	18.5	20	2.4	2.4	1.9	48	4.6	9.50	73.62	1	1	1	1	1	64.12	87.09526682
2835	15/12/2020	7	7.4	7.4.1.4	2300044539	938	79	37.2	31	6.6	14.2	5.3	205	75.3	36.78	75.39	1	1	1	1	1	38.61	51.20790681
2836	15/12/2020	7	7.4	7.4.1.4	2300041848	642	125	60.4	29	4.8	20.1	4.3	139	86.4	62.09	73.49	1	1	1	0	0	11.40	15.51712877
2837	15/12/2020	7	7.4	7.4.1.4	2300044452	629	90	44.8	27	4.04	14.2	3.5	109	49.7	45.56	73.41	1	1	1	1	1	27.85	37.93502713
2838	15/12/2020	7	7.4	7.4.1.4	23000	641	41	43.7	30	4.2	15	3.8	126	57.0	45.24	73.49	1	1	1	1	1	28.25	38.44185581
2839	15/12/2020	7	7.4	7.4.1.4	2300044531	641	129	56.1	30	4.3	21.4	3.5	129	74.9	58.06	73.49	1	1	1	1	0	15.43	20.99159118
2840	15/12/2020	7	7.2	7.2.4.3	2300042448	639	86	58.5	20	4.1	14.7	3.4	82	50.0	60.95	73.48	1	1	1	0	0	12.52	17.04563214
2841	15/12/2020	7	7.2	7.2.4.3	2300055334	627	40	42.8	31	4.5	15.3	4.03	140	61.7	44.20	73.40	1	1	1	1	1	29.20	39.78103184
2842	15/12/2020	7	7.2	7.2.4.3	2300055084	622	88	48.6	22	4.2	15	3.1	92	46.5	50.32	73.37	1	1	1	1	1	23.04	31.40674621
2843	15/12/2020	7	7.2	7.2.4.3	2300046567	629	14	26.8	30	3.9	6.9	3.6	117	24.8	21.23	73.41	1	1	1	1	1	52.18	71.07981677
2844	15/12/2020	7	7.2	7.2.4.3	2300046404	630	96	63.3	20	4.2	15.3	3.7	84	56.6	67.39	73.42	1	0	0	0	0	6.03	8.20662897

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2845	15/12/2020	7	7.2	7.2.4.3	2300041914	632	117	50.2	30	4.2	20.7	3.2	126	66.2	52.57	73.43	1	1	1	1	1	20.86	28.40684213
2846	15/12/2020	7	7.2	7.2.4.3	2300054753	630	80	54.4	30	4.4	14.1	3.7	132	52.2	39.52	73.42	1	1	1	1	1	33.90	46.16752394
2847	15/12/2020	7	7.2	7.2.4.3	2300055083	622	125	52.4	30	4.3	21	3.3	129	69.3	53.72	73.37	1	1	1	1	1	19.65	26.77760209
2848	15/12/2020	7	7.2	7.2.4.3	2300035350	621	32	30.3	30	3.8	13.1	3	114	39.3	34.47	73.36	1	1	1	1	1	38.89	53.00777503
2849	15/12/2020	7	7.2	7.2.4.3	2300035218	616	77	36.5	30	5.1	17.6	4.2	153	73.9	48.31	73.33	1	1	1	1	1	25.01	34.11321468
2850	15/12/2020	7	7.2	7.2.4.3	2300035193	614	42	21	30	4.3	7	3.9	129	27.3	21.16	73.32	1	1	1	1	1	52.15	71.13466889
2851	15/12/2020	7	7.2	7.2.4.3	2300049096	600	134	44.4	30	4.1	21.5	3.2	123	68.8	55.93	73.23	1	1	1	1	0	17.29	23.61325301
2852	15/12/2020	7	7.2	7.2.4.3	2300046572	528	128	26.9	29	3.7	21.4	3.3	107	70.6	65.82	72.77	1	0	0	0	0	6.95	9.550897073
2853	15/12/2020	7	7.2	7.2.4.3	2300046569	596	51	44.5	29	3.7	16.3	3.01	107	49.1	45.73	73.20	1	1	1	1	1	27.48	37.53439886
2854	15/12/2020	7	7.2	7.2.4.3	2300054463	603	136	63.9	29	3.8	22.4	3.2	110	71.7	65.05	73.25	1	1	0	0	0	8.20	11.19503797
2855	15/12/2020	7	7.2	7.2.4.3	2300035504	605	45	46.5	31	4.3	15.2	3.9	133	59.3	44.47	73.26	1	1	1	1	1	28.79	39.29520629
2856	15/12/2020	7	7.2	7.2.4.3	2300046576	598	100	63.5	24	4.3	16.6	3.9	103	64.7	62.73	73.21	1	1	0	0	0	10.48	14.31523531
2857	15/12/2020	7	7.2	7.2.4.3	2300046573	602	23	39.7	30	3.9	14.9	3.2	117	47.7	40.75	73.24	1	1	1	1	1	32.49	44.35717577
2858	15/12/2020	7	7.2	7.2.4.3	2300035210	601	12	31.4	30	3.9	12.3	3.1	117	38.1	32.59	73.23	1	1	1	1	1	40.64	55.49818989
2859	15/12/2020	7	7.2	7.2.4.3	2300034999	600	22	38.7	31	3.9	15.2	3.1	121	47.1	38.97	73.23	1	1	1	1	1	34.25	46.77524517
2860	15/12/2020	7	7.2	7.2.4.3	2300039399	589	68	54.9	22	3.8	14.3	3.3	84	47.2	56.45	73.16	1	1	1	1	0	16.71	22.83930633
2861	15/12/2020	7	7.2	7.2.4.3	2300041675	598	94	59.1	20	3.8	15.1	3.1	76	46.8	61.59	73.21	1	1	1	0	0	11.62	15.87295015
2862	15/12/2020	7	7.2	7.2.4.3	2300041527	580	90	56.5	20	3.9	14.6	3.2	78	46.7	59.90	73.10	1	1	1	0	0	13.20	18.05872131
2863	15/12/2020	7	7.2	7.2.4.3	2300046215	564	14	41.5	29	4.06	14.5	3.5	118	50.8	43.10	73.00	1	1	1	1	1	29.89	40.9506213
2864	15/12/2020	7	7.2	7.2.4.4	2300046568	515	69	46.9	31	4.1	18.1	3.4	127	61.5	48.42	72.68	1	1	1	1	1	24.26	33.38299984
2865	15/12/2020	7	7.2	7.2.4.4	2300046582	529	44	48	20	3.3	12.4	2.5	66	31.0	46.97	72.77	1	1	1	1	1	25.80	35.45600623
2866	15/12/2020	7	7.2	7.2.4.4	2300054753	576	17	16.7	30	2.09	13.5	1.2	63	16.2	25.84	73.07	1	1	1	1	1	47.24	64.64147808
2867	15/12/2020	7	7.2	7.2.4.4	2300054723	954	122	47.8	33	6.7	21.7	4.8	221	104.2	47.11	75.49	1	1	1	1	1	28.38	37.59583183
2868	15/12/2020	7	7.2	7.2.4.4	2300054656	947	47	28.1	32	5.3	11.6	4.06	170	47.1	27.77	75.45	1	1	1	1	1	47.68	63.19410774
2869	15/12/2020	7	7.2	7.2.4.4	2300046575	933	73	35.6	32	6.2	13.8	5.1	198	70.4	35.47	75.36	1	1	1	1	1	39.88	52.92581157
2870	15/12/2020	7	7.2	7.2.4.4	2300048175	949	89	45.3	28	6.2	14.8	5.9	174	87.3	50.30	75.46	1	1	1	1	1	25.16	33.34242539
2871	15/12/2020	7	7.2	7.2.4.4	2300046574	956	118	51.6	32	6.4	20.4	5.1	205	104.0	50.80	75.50	1	1	1	1	1	24.70	32.71811808
2872	15/12/2020	7	7.2	7.2.4.4	2300046222	958	75	36.9	30	6.1	13.8	5.1	183	70.4	38.46	75.52	1	1	1	1	1	37.06	49.07250746
2873	15/12/2020	7	7.2	7.2.4.4	2300046563	951	62	33.7	31	5.1	12.9	4.6	158	59.3	37.53	75.47	1	1	1	1	1	37.94	50.26896345
2874	15/12/2020	7	7.2	7.2.4.4	2300040863	929	57	32.4	31	5.5	12.5	4.5	171	56.3	32.99	75.33	1	1	1	1	1	42.34	56.2053609

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2875	15/12/2020	7	7.2	7.2.4.4	2300040864	968	76	33.2	31	6.1	14	5.5	189	77.0	40.72	75.58	1	1	1	1	1	34.86	46.12523195
2876	15/12/2020	7	7.2	7.2.4.4	2300034938	958	80	36.9	30	6.6	13.8	5.5	198	75.9	38.33	75.52	1	1	1	1	1	37.18	49.23893718
2877	15/12/2020	7	7.2	7.2.4.4	2300035938	940	97	42.8	31	6.7	15.1	6.07	208	91.7	44.13	75.40	1	1	1	1	1	31.27	41.47434588
2878	15/12/2020	7	7.2	7.2.4.4	2300034540	940	31	29.8	32	5.02	7.1	4.5	161	32.0	19.89	75.40	1	1	1	1	1	55.51	73.62245932
2879	15/12/2020	7	7.2	7.2.4.4	2300055080	942	63	35.5	30	5.6	13	4.6	168	59.8	35.60	75.41	1	1	1	1	1	39.82	52.80072599
2880	15/12/2020	7	7.2	7.2.4.4	2300053770	978	84	38	30	6.7	14	5.7	201	79.8	39.70	75.65	1	1	1	1	1	35.94	47.51617745
2881	15/12/2020	7	7.1	7.1.3.2	23000	668	56	44.1	28	4.6	15.1	3.9	129	58.9	45.72	73.66	1	1	1	1	1	27.94	37.92926305
2882	15/12/2020	7	7.1	7.1.3.2	23000	668	47	42.7	31	4	12.5	3.04	124	38.0	30.65	73.66	1	1	1	1	1	43.02	58.39714627
2883	15/12/2020	7	7.1	7.1.3.2	2300054188	661	34	36.2	31	4.4	14.8	3.3	136	48.8	35.81	73.62	1	1	1	1	1	37.81	51.36076796
2884	15/12/2020	7	7.1	7.1.3.2	2300053873	657	113	47.8	30	4.02	21	2.8	121	58.8	48.76	73.59	1	1	1	1	1	24.83	33.74685571
2885	15/12/2020	7	7.1	7.1.3.2	2300054825	652	70	49.8	23	4.1	14.2	3.3	94	46.9	49.69	73.56	1	1	1	1	1	23.87	32.44523995
2886	15/12/2020	7	7.1	7.1.3.2	2300052104	633	26	39	30	4.2	14.4	3.6	126	51.8	41.14	73.44	1	1	1	1	1	32.29	43.97545502
2887	15/12/2020	7	7.1	7.1.3.2	2300052362	632	20	35.9	30	4.3	11	3.4	129	37.4	28.99	73.43	1	1	1	1	1	44.44	60.51759199
2888	15/12/2020	7	7.1	7.1.3.2	2300052015	635	71	39.3	30	3.9	17.4	2.7	117	47.0	40.15	73.45	1	1	1	1	1	33.30	45.3317275
2889	15/12/2020	7	7.1	7.1.3.2	2300049605	632	29	37.4	30	4.2	14.2	3.4	126	48.3	38.32	73.43	1	1	1	1	1	35.11	47.81827201
2890	15/12/2020	7	7.1	7.1.3.2	-	629	97	43	30	4.2	19.2	3	126	57.6	45.71	73.41	1	1	1	1	1	27.70	37.72879802
2891	15/12/2020	7	7.1	7.1.3.2	2300052349	568	17	36	31	3.3	13.1	2.6	102	34.1	33.29	73.02	1	1	1	1	1	39.73	54.4047035
2892	15/12/2020	7	7.1	7.1.3.2	-	605	12	13.3	31	0.6	7.41	0.3	19	2.2	11.95	73.26	1	1	1	1	1	61.31	83.68558669
2893	15/12/2020	7	7.1	7.1.3.2	2300049614	610	42	32.4	27	4.1	12.3	3.1	111	38.1	34.44	73.29	1	1	1	1	1	38.85	53.0025318
2894	15/12/2020	7	7.1	7.1.3.2	2300052316	626	46	44	20	3.9	12	3.05	78	36.6	46.92	73.39	1	1	1	1	1	26.47	36.06548236
2895	15/12/2020	7	7.1	7.1.3.2	2300052355	628	88	43.1	31	4.2	18.7	3.1	130	58.0	44.52	73.41	1	1	1	1	1	28.88	39.34515603
2896	15/12/2020	7	7.1	7.1.3.2	2300052360	632	34	38.7	29	3.7	15	2.9	107	43.5	40.54	73.43	1	1	1	1	1	32.89	44.79082273
2897	15/12/2020	7	7.1	7.1.3.2	2300052989	620	80	55.2	31	3.9	14.2	3.2	121	45.4	37.58	73.35	1	1	1	1	1	35.77	48.76246584
2898	15/12/2020	7	7.1	7.1.3.2	2300052345	607	108	48.5	31	4	22.2	3.03	124	67.3	54.25	73.27	1	1	1	1	1	19.02	25.96399358
2899	15/12/2020	7	7.1	7.1.3.2	2300053856	850	48	34.8	32	5	13.9	3.9	160	54.2	33.88	74.83	1	1	1	1	1	40.94	54.71995028
2900	15/12/2020	7	7.1	7.1.3.2	2300052990	836	72	50	22	5.4	13.7	4.2	119	57.5	48.43	74.74	1	1	1	1	1	26.30	35.19310077
2901	15/12/2020	7	7.1	7.1.3.2	2300053040	848	50	33	32	5.3	13.3	4.2	170	55.9	32.94	74.81	1	1	1	1	1	41.88	55.97525469
2902	15/12/2020	7	7.1	7.1.3.2	2300052354	858	51	36.4	31	4.9	13.1	4.2	152	55.0	36.22	74.88	1	1	1	1	1	38.66	51.62586454
2903	15/12/2020	7	7.1	7.1.3.2	2300052985	873	63	37.5	31	4.5	17.8	3	140	53.4	38.28	74.97	1	1	1	1	1	36.69	48.94232887
2904	15/12/2020	7	7.1	7.1.3.2	2300052327	899	29	29.4	23	5.2	6.6	5.1	120	33.7	28.14	75.14	1	1	1	1	1	47.00	62.54463331

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2905	15/12/2020	7	7.1	7.1.3.4	2300053876	869	61	32.4	31	5.01	17.8	2.8	155	49.8	32.09	74.95	1	1	1	1	1	42.86	57.18254168
2906	15/12/2020	7	7.1	7.1.3.4	2300047915	904	37	28.5	29	5	12	3.4	145	40.8	28.14	75.17	1	1	1	1	1	47.03	62.56840212
2907	15/12/2020	7	7.1	7.1.3.4	2300053978	912	89	42.7	32	5.2	18.3	3.8	166	69.5	41.79	75.22	1	1	1	1	1	33.43	44.44388485
2908	15/12/2020	7	7.1	7.1.3.4	2300053875	912	50	32.2	32	6.4	12.6	4.2	205	52.9	25.84	75.22	1	1	1	1	1	49.38	65.64892061
2909	15/12/2020	7	7.1	7.1.3.4	2300052211	903	48	32.2	32	6.3	12.3	4.3	202	52.9	26.24	75.17	1	1	1	1	1	48.93	65.09672156
2910	15/12/2020	7	7.1	7.1.3.4	2300047911	901	60	48.6	21	5.9	13.5	3.8	124	51.3	41.40	75.15	1	1	1	1	1	33.75	44.90613959
2911	15/12/2020	7	7.1	7.1.3.4	2300052357	991	44	33.3	30	5.3	12.4	3.9	159	48.4	30.42	75.73	1	1	1	1	1	45.31	59.83660775
2912	15/12/2020	7	7.1	7.1.3.4	2300052366	895	57	43.7	21	4.6	12.7	3.8	97	48.3	49.96	75.11	1	1	1	1	1	25.16	33.48963957
2913	15/12/2020	7	7.1	7.1.3.4	2300052367	821	64	39	30	5.4	17.3	3.2	162	55.4	34.17	74.64	1	1	1	1	1	40.47	54.21669832
2914	15/12/2020	7	7.1	7.1.3.4	2300053009	882	58	35.4	32	5.3	13.5	4.4	170	59.4	35.02	75.03	1	1	1	1	1	40.01	53.32105628
2915	15/12/2020	7	7.1	7.1.3.4	2300049620	883	78	40	32	5.3	18.5	3.5	170	64.8	38.18	75.04	1	1	1	1	1	36.86	49.12114786
2916	15/12/2020	7	7.1	7.1.3.4	2300052329	891	62	37.4	27	5.08	14.2	4.3	137	61.1	44.52	75.09	1	1	1	1	1	30.57	40.7134098
2917	15/12/2020	7	7.1	7.1.3.4	2300052332	895	46	31.7	30	5.4	12.7	3.9	162	49.5	30.57	75.11	1	1	1	1	1	44.54	59.29643732
2918	15/12/2020	7	7.1	7.1.3.4	2300052972	896	63	37	31	4.6	13.7	4.6	143	63.0	44.19	75.12	1	1	1	1	1	30.93	41.16971104
2919	15/12/2020	7	7.1	7.1.3.4	2300053002	889	35	28.3	31	4.8	11.3	3.5	149	39.6	26.58	75.08	1	1	1	1	1	48.50	64.59661851
2920	15/12/2020	7	7.1	7.1.3.4	2300053041	930	125	52.9	32	5.9	20.8	4.5	189	93.6	49.58	75.34	1	1	1	1	1	25.76	34.19486688
2921	15/12/2020	7	7.1	7.1.3.4	2300052626	916	54	35.4	31	5.1	13.6	4.1	158	55.8	35.27	75.25	1	1	1	1	1	39.98	53.13014336
2922	15/12/2020	7	7.1	7.1.3.4	2300052340	921	102	44.3	32	5.5	20.4	3.8	176	77.5	44.05	75.28	1	1	1	1	1	31.23	41.49147116
2923	15/12/2020	7	7.1	7.1.3.4	2300052338	694	15	29	31	2.2	9.1	2.2	68	20.0	29.35	73.83	1	1	1	1	1	44.47	60.23866588
2924	15/12/2020	7	7.1	7.1.3.4	2300052991	980	80	40.3	32	6.08	15	5.2	195	78.0	40.09	75.66	1	1	1	1	1	35.57	47.01094329
2925	15/12/2020	7	7.1	7.1.3.4	2300052353	901	57	40.9	25	5.3	13	4.3	133	55.9	42.19	75.15	1	1	1	1	1	32.96	43.86249907
2926	15/12/2020	7	7.1	7.1.3.4	2300052316	912	77	36	32	5.8	18	3.7	186	66.6	35.88	75.22	1	1	1	1	1	39.34	52.29688247
2927	15/12/2020	7	7.1	7.1.3.4	2300053038	909	28	32.9	21	3.7	11	2.3	78	25.3	32.56	75.20	1	1	1	1	1	42.64	56.70269434
2928	15/12/2020	7	7.1	7.1.3.4	2300052988	909	86	37.7	32	5.7	18.1	3.8	182	68.8	37.71	75.20	1	1	1	1	1	37.50	49.85834011
2929	15/12/2020	7	7.1	7.1.3.1	2300044616	893	38	37	21	4.4	11.1	3.1	92	34.4	37.24	75.10	1	1	1	1	1	37.86	50.41322943
2930	15/12/2020	7	7.1	7.1.3.1	2300052363	886	89	67.3	21	5.8	15.8	5.6	122	88.5	72.64	75.06	0	0	0	0	0	2.41	3.214545114
2931	15/12/2020	7	7.1	7.1.3.1	23000	897	102	43.8	31	6.9	19.9	6.2	214	123.4	57.68	75.13	1	1	1	1	0	17.45	23.22159413
2932	15/12/2020	7	7.1	7.1.3.1	2300054830	902	46	36.8	22	5.2	11.6	3.6	114	41.8	36.50	75.16	1	1	1	1	1	38.66	51.43150702
2933	15/12/2020	7	7.1	7.1.3.1	2300054827	909	84	35.8	32	5.8	19.6	3.4	186	66.6	35.91	75.20	1	1	1	1	1	39.30	52.2560457
2934	15/12/2020	7	7.1	7.1.3.1	2300049051	912	29	25.1	30	4.5	11.6	2.9	135	33.6	24.92	75.22	1	1	1	1	1	50.30	66.87371579

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2935	15/12/2020	7	7.1	7.1.3.1	2300054835	923	56	28.7	31	5.1	18	2.5	158	45.0	28.46	75.29	1	1	1	1	1	46.83	62.19711992
2936	15/12/2020	7	7.1	7.1.3.1	2300054826	933	38	32.9	31	4.9	13	3.8	152	49.4	32.52	75.36	1	1	1	1	1	42.84	56.8436783
2937	15/12/2020	7	7.1	7.1.3.1	2300054324	554	26	48.8	23	2.6	13.4	2.1	60	28.1	47.06	72.93	1	1	1	1	1	25.87	35.47809703
2938	15/12/2020	7	7.1	7.1.3.1	2300052115	541	76	52.6	20	4.7	13.6	3.8	94	51.7	54.98	72.85	1	1	1	1	0	17.87	24.52995069
2939	15/12/2020	7	7.1	7.1.3.1	2300054141	934	56	33.7	31	5.5	13.5	4.1	171	55.4	32.46	75.36	1	1	1	1	1	42.90	56.92437316
2940	15/12/2020	7	7.1	7.1.3.1	2300054822	936	40	30.3	28	4.7	11.7	3.5	132	41.0	31.12	75.38	1	1	1	1	1	44.26	58.7178198
2941	15/12/2020	7	7.1	7.1.3.1	2300053887	940	33	26.7	30	4.3	11.4	3.68	129	42.0	32.52	75.40	1	1	1	1	1	42.88	56.86993683
2942	15/12/2020	7	7.1	7.1.3.1	2300053874	974	93	43.9	31	6.1	20.3	4.1	189	83.2	44.01	75.62	1	1	1	1	1	31.61	41.79584481
2943	15/12/2020	7	7.1	7.1.3.1	23000	987	105	49.4	31	6.8	20.5	4.8	211	98.4	46.68	75.70	1	1	1	1	1	29.02	38.33871813
2944	15/12/2020	7	7.1	7.1.3.1	23000	997	34	28.3	21	5.1	6.7	4.8	107	32.2	30.03	75.77	1	1	1	1	1	45.74	60.36785082
2945	15/12/2020	7	7.1	7.1.3.1	2300054160	962	18	19.6	29	4.8	6.2	4.6	139	28.5	20.49	75.54	1	1	1	1	1	55.05	72.87828126
2946	15/12/2020	7	7.1	7.1.3.1	2300054085	954	117	44.8	29	5.9	18.2	5.08	171	92.5	54.04	75.49	1	1	1	1	1	21.46	28.42086256
2947	15/12/2020	7	7.1	7.1.3.1	2300054163	1017	44	29.8	29	5.1	11.5	4.6	148	52.9	35.77	75.89	1	1	1	1	1	40.13	52.87238334
2948	15/12/2020	7	7.1	7.1.3.1	2300054069	944	94	38.7	31	7.2	14.5	6.08	223	88.2	39.50	75.43	1	1	1	1	1	35.93	47.63427726
2949	15/12/2020	7	7.1	7.1.3.1	2300054876	989	80	35.9	30	6.7	13.5	5.5	201	74.3	36.94	75.72	1	1	1	1	1	38.78	51.21177339
2950	15/12/2020	7	7.1	7.1.3.1	2300054059	522	35	44.3	30	4.2	14.9	3.7	126	55.1	43.75	72.73	1	1	1	1	1	28.97	39.8379026
2951	15/12/2020	7	7.1	7.1.3.1	2300054098	544	49	44.4	30	4.4	15.3	4	132	61.2	46.36	72.87	1	1	1	1	1	26.50	36.37276874
2952	15/12/2020	7	7.1	7.1.3.3	2300049600	941	62	36.9	30	5.5	15	4.2	165	63.0	38.18	75.41	1	1	1	1	1	37.23	49.3666247
2953	15/12/2020	7	7.1	7.1.3.3	2300049623	668	58	46.8	20	4.6	12.6	3.5	92	44.1	47.93	73.66	1	1	1	1	1	25.73	34.92533028
2954	15/12/2020	7	7.1	7.1.3.3	2300049612	961	83	38.3	31	4.1	18.1	2.7	127	48.9	38.45	75.54	1	1	1	1	1	37.09	49.09733673
2955	15/12/2020	7	7.1	7.1.3.3	2300052376	951	30	31.9	20	2.4	20.1	3.9	48	78.4	163.31	75.47	1	1	1	1	1	-87.84	-116.3870501
2956	15/12/2020	7	7.1	7.1.3.3	2300052382	992	65	35.4	30	5.7	13.8	4.6	171	63.5	37.12	75.73	1	1	1	1	1	38.61	50.98315831
2957	15/12/2020	7	7.1	7.1.3.3	2300049608	987	64	34.6	30	5.8	12.9	4.7	174	60.6	34.84	75.70	1	1	1	1	1	40.86	53.97154717
2958	15/12/2020	7	7.1	7.1.3.3	2300054828	1036	84	46.1	30	5.2	19.2	4.1	156	78.7	50.46	76.02	1	1	1	1	1	25.55	33.6175635
2959	15/12/2020	7	7.1	7.1.3.3	2300052105	1025	89	40.6	30	6.7	14.3	5.8	201	82.9	41.26	75.95	1	1	1	1	1	34.68	45.66707714
2960	15/12/2020	7	7.1	7.1.3.3	2300052110	1036	71	39.2	29	5.8	17.8	3.8	168	67.6	40.21	76.02	1	1	1	1	1	35.80	47.09821707
2961	15/12/2020	7	7.1	7.1.3.3	2300053881	1014	80	46.9	20	6.5	14.4	5.3	130	76.3	58.71	75.88	1	1	1	1	0	17.17	22.62638805
2962	15/12/2020	7	7.1	7.1.3.3	2300053885	715	40	25.9	29	4.6	11.4	3.1	133	35.3	26.49	73.96	1	1	1	1	1	47.47	64.18193921
2963	15/12/2020	7	7.1	7.1.3.3	2300053955	702	20	34.8	28	4.3	12.5	3.5	120	43.8	36.34	73.88	1	1	1	1	1	37.54	50.81510622
2964	15/12/2020	7	7.1	7.1.3.3	2300053957	700	44	28.3	29	4.8	12	3.5	139	42.0	30.17	73.87	1	1	1	1	1	43.69	59.15250075

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2965	15/12/2020	7	7.1	7.1.3.3	2300053158	990	64	49.9	30	6.82	12.8	4.8	205	61.4	30.03	75.72	1	1	1	1	1	45.69	60.34266724
2966	15/12/2020	7	7.1	7.1.3.3	2300052105	550	92	46.5	29	3.8	18.7	2.8	110	52.4	47.51	72.91	1	1	1	1	1	25.39	34.8289419
2967	15/12/2020	7	7.1	7.1.3.3	2300053916	1061	134	54	31	7.8	22	6.2	242	136.4	56.41	76.18	1	1	1	1	1	19.77	25.94785733
2968	15/12/2020	7	7.1	7.1.3.3	2300054020	1089	97	39.2	31	7.2	14.7	6.1	223	89.7	40.17	76.36	1	1	1	1	1	36.18	47.38469584
2969	15/12/2020	7	7.1	7.1.3.3	2300053883	1064	116	50	31	7.2	20	5.7	223	114.0	51.08	76.20	1	1	1	1	1	25.12	32.96821756
2970	15/12/2020	7	7.1	7.1.3.3	2300053879	1089	77	34.1	30	6.5	13.3	5.2	195	69.2	35.47	76.36	1	1	1	1	1	40.89	53.55066732
2971	16/12/2020	7	7.2	7.2.3.3	2300052439	777	13	31.9	29	3.9	12.4	3.02	113	37.4	33.11	74.36	1	1	1	1	1	41.25	55.47195266
2972	16/12/2020	7	7.2	7.2.3.3	2300053838	1054	89	38.5	30	6.9	14	5.8	207	81.2	39.23	76.13	1	1	1	1	1	36.90	48.47467656
2973	16/12/2020	7	7.2	7.2.3.3	2300054406	1044	61	28.6	30	6.06	11.6	4.6	182	53.4	29.35	76.07	1	1	1	1	1	46.72	61.4146692
2974	16/12/2020	7	7.2	7.2.3.3	2300051568	693	88	48.7	20	6.1	13.1	4.8	122	62.9	51.54	73.82	1	1	1	1	1	22.28	30.18132514
2975	16/12/2020	7	7.2	7.2.3.3	2300054166	1084	57	29.4	30	6.3	16.3	3.5	189	57.1	30.19	76.32	1	1	1	1	1	46.14	60.45104635
2976	16/12/2020	7	7.2	7.2.3.3	2300054796	1008	33	178	30	4.4	6	4.1	132	24.6	18.64	75.84	1	1	1	1	1	57.20	75.42582844
2977	16/12/2020	7	7.2	7.2.3.3	2300054799	1090	70	44.3	24	6.2	13.5	5.7	149	77.0	51.71	76.36	1	1	1	1	1	24.65	32.27821472
2978	16/12/2020	7	7.2	7.2.3.3	2300054802	586	62	33.8	29	5.6	12.6	4.7	162	59.2	36.47	73.14	1	1	1	1	1	36.67	50.14039898
2979	16/12/2020	7	7.2	7.2.3.3	2300054776	998	138	58.9	32	8.1	23.5	6.5	259	152.8	58.93	75.77	1	1	1	1	0	16.84	22.22668812
2980	16/12/2020	7	7.2	7.2.3.3	2300054601	1035	89	36.9	30	2.4	14.8	6.1	72	90.3	125.39	76.01	1	1	1	1	1	-49.38	-64.96367437
2981	16/12/2020	7	7.2	7.2.3.3	2300052181	625	93	57.5	21	4.1	14.8	3.4	86	50.3	58.44	73.39	1	1	1	1	0	14.94	20.36128124
2982	16/12/2020	7	7.2	7.2.3.3	2300052192	1088	100	47.9	32	6.6	20.1	5.1	211	102.5	48.54	76.35	1	1	1	1	1	27.81	36.42771395
2983	16/12/2020	7	7.2	7.2.3.3	2300052204	703	10	46.1	31	6.7	20.7	4.5	208	93.2	44.85	73.89	1	1	1	1	1	29.04	39.29996948
2984	16/12/2020	7	7.2	7.2.3.3	2300052802	1025	80	50	22	6.7	14.5	5.3	147	76.9	52.14	75.95	1	1	1	1	1	23.81	31.34985113
2985	16/12/2020	7	7.2	7.2.3.3	2300052182	1018	19	42.6	12	3.3	7.5	2.4	40	18.0	45.45	75.90	1	1	1	1	1	30.45	40.11353516
2986	16/12/2020	7	7.2	7.2.3.3	2300052172	1014	127	57	31	6.7	23.3	5.2	208	121.2	58.33	75.88	1	1	1	1	0	17.54	23.11871567
2987	16/12/2020	7	7.2	7.2.3.3	2300052189	989	45	25	30	5.5	11.8	3.6	165	42.5	25.75	75.72	1	1	1	1	1	49.97	65.99715971
2988	16/12/2020	7	7.2	7.2.3.3	2300051628	996	47	26.4	30	5.4	11.5	3.9	162	44.9	27.69	75.76	1	1	1	1	1	48.08	63.45691788
2989	16/12/2020	7	7.2	7.2.3.3	2300054869	995	49	24	30	6.2	11.7	3.9	186	45.6	24.53	75.75	1	1	1	1	1	51.22	67.61589082
2990	16/12/2020	7	7.2	7.2.3.3	2300054002	993	59	26.9	31	5.7	11.5	4.1	177	47.2	26.68	75.74	1	1	1	1	1	49.06	64.76997381
2991	16/12/2020	7	7.2	7.2.3.3	2300054852	997	26	24.2	21	4.6	6	4.09	97	24.5	25.40	75.77	1	1	1	1	1	50.36	66.47116322
2992	16/12/2020	7	7.2	7.2.3.3	2300053841	989	57	8.5	30	6.1	11.5	4.7	183	54.1	29.54	75.72	1	1	1	1	1	46.18	60.99150092
2993	16/12/2020	7	7.2	7.2.3.3	2300051771	1009	60	31.8	29	5.9	12	4.6	171	55.2	32.26	75.84	1	1	1	1	1	43.58	57.46267954
2994	16/12/2020	7	7.2	7.2.3.3	2300054872	1017	65	32.6	30	6.1	17.8	3.5	183	62.3	34.04	75.89	1	1	1	1	1	41.85	55.14354627

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
2995	16/12/2020	7	7.1	7.1.4.1	2300051447	1003	65	33.2	29	6.1	13.3	4.6	177	61.2	34.58	75.81	1	1	1	1	1	41.22	54.37712581
2996	16/12/2020	7	7.1	7.1.4.1	2300051633	1004	24	20.9	29	3.6	9.6	2.3	104	22.1	21.15	75.81	1	1	1	1	1	54.66	72.10265278
2997	16/12/2020	7	7.1	7.1.4.1	2300047911	993	48	28	29	5.4	11.7	3.9	157	45.6	29.14	75.74	1	1	1	1	1	46.60	61.52961528
2998	16/12/2020	7	7.1	7.1.4.1	2300051684	1003	64	32.1	30	5.9	13	4.6	177	59.8	33.79	75.81	1	1	1	1	1	42.02	55.43140743
2999	16/12/2020	7	7.1	7.1.4.1	2300051449	1008	51	27.1	30	5.6	11.7	4.05	168	47.4	28.21	75.84	1	1	1	1	1	47.63	62.80801883
3000	16/12/2020	7	7.1	7.1.4.1	2300051685	986	89	36.6	30	7.2	15.9	6.6	216	104.9	48.58	75.70	1	1	1	1	1	27.11	35.81817189
3001	16/12/2020	7	7.1	7.1.4.1	2300053026	987	82	40.5	30	6.7	14	5.7	201	79.8	39.70	75.70	1	1	1	1	1	36.00	47.55611082
3002	16/12/2020	7	7.1	7.1.4.1	2300051470	671	62	47.5	21	5.6	13.8	4.3	118	59.3	50.46	73.68	1	1	1	1	1	23.22	31.51613771
3003	16/12/2020	7	7.1	7.1.4.1	2300053022	654	85	53.6	22	6.3	14.8	5.08	139	75.2	54.25	73.57	1	1	1	1	1	19.33	26.26868215
3004	16/12/2020	7	7.1	7.1.4.1	23000	909	20	22.4	30	2.4	13.3	1.5	72	20.0	27.71	75.20	1	1	1	1	1	47.50	63.15557589
3005	16/12/2020	7	7.1	7.1.4.1	2300053023	862	97	54.7	23	5.8	15.4	5.06	133	77.9	58.41	74.90	1	1	1	1	0	16.49	22.01387251
3006	16/12/2020	7	7.1	7.1.4.1	2300053017	889	58	46.1	21	5.6	12.2	4.5	118	54.9	46.68	75.08	1	1	1	1	1	28.39	37.81778172
3007	16/12/2020	7	7.1	7.1.4.1	2300053042	1020	86	39.1	32	7.1	15.3	5.9	227	90.3	39.73	75.91	1	1	1	1	1	36.18	47.66246794
3008	16/12/2020	7	7.1	7.1.4.1	2300053671	651	42	52.7	19	3.02	13.1	2.3	57	30.1	52.51	73.55	1	1	1	1	1	21.04	28.60928369
3009	16/12/2020	7	7.1	7.1.4.1	2300052299	1010	89	34.3	31	6.7	13.4	5.5	208	73.7	35.48	75.85	1	1	1	1	1	40.37	53.21836392
3010	16/12/2020	7	7.1	7.1.4.1	2300052314	1009	60	30.8	30	5.9	12.4	4.5	177	55.8	31.53	75.84	1	1	1	1	1	44.32	58.43364011
3011	16/12/2020	7	7.1	7.1.4.1	2300052315	1006	122	53.5	31	6.7	21.9	5.2	208	113.9	54.83	75.82	1	1	1	1	1	21.00	27.6893976
3012	16/12/2020	7	7.1	7.1.4.1	2300052330	1000	33	37.5	19	4.2	10.8	2.9	80	31.3	39.25	75.79	1	1	1	1	1	36.54	48.21191209
3013	16/12/2020	7	7.1	7.1.4.1	2300047401	889	71	34.2	30	6.3	13.5	4.9	189	66.2	35.00	75.08	1	1	1	1	1	40.08	53.38032596
3014	16/12/2020	7	7.1	7.1.4.1	2300052957	975	62	35.7	27	5.8	12.8	4.6	157	58.9	37.60	75.63	1	1	1	1	1	38.03	50.28300017
3015	16/12/2020	7	7.1	7.1.4.1	2300051627	844	40	40.5	19	4.3	11.2	3.3	82	37.0	45.24	74.79	1	1	1	1	1	29.55	39.51045616
3016	16/12/2020	7	7.1	7.1.4.1	2300052296	669	90	45.9	30	5.7	19.1	4.3	171	82.1	48.03	73.67	1	1	1	1	1	25.64	34.802763
3017	16/12/2020	7	7.1	7.1.4.1	2300047929	980	67	47.6	21	6.08	12.8	4.8	128	61.4	48.12	75.66	1	1	1	1	1	27.54	36.39760402
3018	16/12/2020	7	7.1	7.1.4.1	2300052318	984	70	32.5	30	6.9	12.4	5.3	207	65.7	31.75	75.68	1	1	1	1	1	43.93	58.05063148
3019	16/12/2020	7	7.1	7.1.4.2	2300053975	990	59	35.3	30	6	13.4	4.8	180	64.3	35.73	75.72	1	1	1	1	1	39.99	52.8098395
3020	16/12/2020	7	7.1	7.1.4.2	2300053981	984	74	38.4	30	5.8	17	3.8	174	64.6	37.13	75.68	1	1	1	1	1	38.56	50.94520242
3021	16/12/2020	7	7.1	7.1.4.2	2300054037	1034	51	26.8	30	5.6	11.3	4.1	168	46.3	27.58	76.00	1	1	1	1	1	48.43	63.71569116
3022	16/12/2020	7	7.1	7.1.4.2	2300053983	1019	60	29.4	30	6.08	11.7	4.7	182	55.0	30.15	75.91	1	1	1	1	1	45.76	60.28325712
3023	16/12/2020	7	7.1	7.1.4.2	2300054030	1034	46	35.5	23	5.3	10.9	3.9	122	42.5	34.87	76.00	1	1	1	1	1	41.13	54.11684894
3024	16/12/2020	7	7.1	7.1.4.2	2300054026	993	63	28.8	30	6.2	11.6	4.8	186	55.7	29.94	75.74	1	1	1	1	1	45.81	60.47661792

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3025	16/12/2020	7	7.1	7.1.4.2	2300053966	760	76	47.3	32	5.1	15.5	4.7	163	72.9	44.64	74.25	1	1	1	1	1	29.61	39.88083449
3026	16/12/2020	7	7.1	7.1.4.2	2300054007	722	60	41.2	32	5.1	15.4	4.4	163	67.8	41.52	74.01	1	1	1	1	1	32.49	43.89757719
3027	16/12/2020	7	7.1	7.1.4.2	2300054042	722	57	42.4	32	4.9	15.1	4.3	157	64.9	41.41	74.01	1	1	1	1	1	32.60	44.04644063
3028	16/12/2020	7	7.1	7.1.4.2	2300054050	725	50	39.8	31	5.1	14.3	4.4	158	62.9	39.80	74.03	1	1	1	1	1	34.23	46.23835347
3029	16/12/2020	7	7.1	7.1.4.2	2300054159	726	83	55.8	25	4.9	15	4.4	123	66.0	53.88	74.03	1	1	1	1	1	20.15	27.22436255
3030	16/12/2020	7	7.1	7.1.4.2	2300054013	725	7	30.4	21	4.9	7.3	4.5	103	32.9	31.92	74.03	1	1	1	1	1	42.10	56.87434381
3031	16/12/2020	7	7.1	7.1.4.2	2300054175	720	100	50.2	27	4.2	20.3	3.2	113	65.0	57.28	73.99	1	1	1	1	0	16.71	22.58297887
3032	16/12/2020	7	7.1	7.1.4.2	2300054174	721	20	14.2	31	1.6	18.2	1.1	50	20.0	40.36	74.00	1	1	1	1	1	33.64	45.45583101
3033	16/12/2020	7	7.1	7.1.4.2	2300054130	723	120	47.3	30	4.9	20.6	3.5	147	72.1	49.05	74.01	1	1	1	1	1	24.97	33.73125463
3034	16/12/2020	7	7.1	7.1.4.2	2300054151	725	62	42.6	22	4.8	15.5	4.03	106	62.5	59.15	74.03	1	1	1	1	0	14.87	20.09231605
3035	16/12/2020	7	7.1	7.1.4.2	2300054161	720	42	38.1	30	4.7	14.1	4	141	56.4	40.00	73.99	1	1	1	1	1	33.99	45.94156283
3036	16/12/2020	7	7.1	7.1.4.2	2300054146	720	74	52.8	20	4.4	14	3.5	88	49.0	55.68	73.99	1	1	1	1	0	18.31	24.74819826
3037	16/12/2020	7	7.1	7.1.4.2	2300054151	707	49	40.7	30	4.7	14.9	4	141	59.6	42.27	73.91	1	1	1	1	1	31.64	42.81011226
3038	16/12/2020	7	7.1	7.1.1.1	2300054093	835	96	50.5	29	5.9	16.5	5.1	171	84.2	49.18	74.73	1	1	1	1	1	25.55	34.18738786
3039	16/12/2020	7	7.1	7.1.1.1	2300053902	829	85	41.7	33	5.8	17.1	4.5	191	77.0	40.20	74.69	1	1	1	1	1	34.49	46.17365038
3040	16/12/2020	7	7.1	7.1.1.1	2300053912	831	90	49	32	5.9	15.5	5.2	189	80.6	42.69	74.70	1	1	1	1	1	32.01	42.85386407
3041	16/12/2020	7	7.1	7.1.1.1	2300054144	834	46	30.6	33	3.06	16.1	2.6	101	41.9	41.45	74.72	1	1	1	1	1	33.27	44.52388105
3042	16/12/2020	7	7.1	7.1.1.1	VSPL2201101224 68959	829	78	41.6	32	5.8	15.9	4.8	186	76.3	41.12	74.69	1	1	1	1	1	33.57	44.94603188
3043	16/12/2020	7	7.1	7.1.1.1	2300054212	548	26	27.5	22	4.8	7.1	4.3	106	30.5	28.91	72.89	1	1	1	1	1	43.98	60.33788495
3044	16/12/2020	7	7.1	7.1.1.1	23000	829	81	26.2	32	5.8	15.8	4.2	186	66.4	35.75	74.69	1	1	1	1	1	38.94	52.13074784
3045	16/12/2020	7	7.1	7.1.1.1	2300054155	830	20	20.4	20	5.2	20.2	1.4	104	28.3	27.19	74.70	1	1	1	1	1	47.51	63.59700703
3046	16/12/2020	7	7.1	7.1.1.1	23000	785	82	42.7	32	5.1	18	3.8	163	68.4	41.91	74.41	1	1	1	1	1	32.50	43.67455355
3047	16/12/2020	7	7.1	7.1.1.1	VSPL2201101247 9795	751	25	30.3	31	4.8	12.9	3.5	149	45.2	30.34	74.19	1	1	1	1	1	43.85	59.10262785
3048	16/12/2020	7	7.1	7.1.1.1	23000	763	60	42.2	32	4.9	15.2	4.3	157	65.4	41.68	74.27	1	1	1	1	1	32.59	43.87488559
3049	16/12/2020	7	7.1	7.1.1.1	2300054082	771	91	59.5	21	5.08	19.4	4.2	107	81.5	76.38	74.32	0	0	0	0	0	-2.06	-2.768489884
3050	16/12/2020	7	7.1	7.1.1.1	2300053908	766	34	66.2	13	2.6	10.5	2.2	34	23.1	68.34	74.29	1	0	0	0	0	5.95	8.002870884
3051	16/12/2020	7	7.1	7.1.1.1	2300053910	763	70	46.2	28	4.8	16.3	4.3	134	70.1	52.15	74.27	1	1	1	1	1	22.12	29.7820663
3052	16/12/2020	7	7.1	7.1.1.1	2300054145	756	40	23.7	26	3.4	15.6	2.04	88	31.8	36.00	74.22	1	1	1	1	1	38.22	51.49842909
3053	16/12/2020	7	7.1	7.1.1.1	2300054103	753	47	40.7	19	4.5	11.3	3.2	86	36.2	42.29	74.21	1	1	1	1	1	31.91	43.00615366

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3054	16/12/2020	7	7.1	7.1.1.1	2300053906	672	95	66	30	4.5	15.5	4.09	135	63.4	46.96	73.69	1	1	1	1	1	26.73	36.27181631
3055	16/12/2020	7	7.1	7.1.1.1	2300053948	663	37	51.3	21	4.6	8.5	3.8	97	32.3	33.44	73.63	1	1	1	1	1	40.19	54.58751012
3056	16/12/2020	7	7.1	7.1.1.1	2300054114	654	12	37	21	4.7	9	4.01	99	36.1	36.57	73.57	1	1	1	1	1	37.01	50.2996407
3057	16/12/2020	7	7.1	7.1.1.1	2300054794	662	109	69.9	21	4.7	16.3	4.3	99	70.1	71.01	73.62	0	0	0	0	0	2.61	3.544593216
3058	16/12/2020	7	7.1	7.1.1.3	2300054775	658	47	43.2	31	4.6	15.5	4.1	143	63.6	44.57	73.60	1	1	1	1	1	29.03	39.44712925
3059	16/12/2020	7	7.1	7.1.1.3	2300053904	710	44	32.2	32	4.8	15.3	2.2	154	33.7	21.91	73.93	1	1	1	1	1	52.02	70.35836264
3060	16/12/2020	7	7.1	7.1.1.3	VSPL2201012468962	689	26	32.5	25	3.6	14.4	1.3	90	18.7	20.80	73.80	1	1	1	1	1	53.00	71.81403769
3061	16/12/2020	7	7.1	7.1.1.3	23000	711	42	58.9	31	4.9	7.3	4.5	152	32.9	21.63	73.94	1	1	1	1	1	52.31	70.75044257
3062	16/12/2020	7	7.1	7.1.1.3	2300054142	691	20	18.3	32	2.4	12.4	2.1	77	26.0	33.91	73.81	1	1	1	1	1	39.90	54.06180055
3063	16/12/2020	7	7.1	7.1.1.3	2300054147	680	93	60.9	21	4.8	15.4	4.2	101	64.7	64.17	73.74	1	1	0	0	0	9.57	12.98019113
3064	16/12/2020	7	7.1	7.1.1.3	2300053922	882	85	48.8	25	6.8	14.7	5.2	170	76.4	44.96	75.03	1	1	1	1	1	30.07	40.07166939
3065	16/12/2020	7	7.1	7.1.1.3	2300053905	963	100	46.3	32	3.3	15.9	5.9	106	93.8	88.84	75.55	1	1	1	0	0	-13.29	-17.58592715
3066	16/12/2020	7	7.1	7.1.1.3	23000	890	38	53.3	15	3.7	12	3.07	56	36.8	66.38	75.08	1	1	0	0	0	8.70	11.59215474
3067	16/12/2020	7	7.1	7.1.1.3	2300053915	581	45	43.5	31	3.6	16.8	3.07	112	51.6	46.22	73.10	1	1	1	1	1	26.89	36.78211741
3068	16/12/2020	7	7.1	7.1.1.3	23000	785	66	33.7	32	5.3	15	4.1	170	61.5	36.26	74.41	1	1	1	1	1	38.15	51.26758171
3069	16/12/2020	7	7.1	7.1.1.3	2300053919	702	52	39	31	4.4	14.8	4.5	136	66.6	48.83	73.88	1	1	1	1	1	25.05	33.90934954
3070	16/12/2020	7	7.1	7.1.1.3	2300054090	749	39	40.1	25	5.7	15.8	3.5	143	55.3	38.81	74.18	1	1	1	1	1	35.37	47.68505419
3071	16/12/2020	7	7.1	7.1.1.3	23000	899	20	36.9	17	5.3	12.5	1.2	90	15.0	16.65	75.14	1	1	1	1	1	58.49	77.84368202
3072	16/12/2020	7	7.1	7.1.1.3	VSPL22010122468965	1019	135	60.3	32	6.8	23.5	5.7	218	134.0	61.56	75.91	1	1	1	0	0	14.35	18.90416189
3073	16/12/2020	7	7.1	7.1.1.3	2300054783	860	46	20.4	30	2.4	23.4	1.4	72	32.8	45.50	74.89	1	1	1	1	1	29.39	39.24422486
3074	16/12/2020	7	7.1	7.1.1.3	2300054782	860	20	18.5	30	6.2	20.2	4.4	186	88.9	47.78	74.89	1	1	1	1	1	27.11	36.19315498
3075	16/12/2020	7	7.1	7.1.1.3	2300054105	829	34	29.5	32	5.2	12.5	4	166	50.0	30.05	74.69	1	1	1	1	1	44.64	59.77047362
3076	16/12/2020	7	7.1	7.1.1.3	2300054104	844	70	38.8	30	5.6	14.9	4.7	168	70.0	41.68	74.79	1	1	1	1	1	33.10	44.26278713
3077	16/12/2020	7	7.1	7.1.1.3	2300054107	831	58	36.2	31	5.2	14.6	4.1	161	59.9	37.13	74.70	1	1	1	1	1	37.57	50.29209118
3078	16/12/2020	7	7.1	7.1.1.3	2300054108	887	48	32.5	31	5.1	12.9	4.05	158	52.2	33.05	75.06	1	1	1	1	1	42.02	55.97614158
3079	16/12/2020	7	7.1	7.1.1.3	2300054126	913	69	34.6	31	5.6	13.4	4.6	174	61.6	35.51	75.23	1	1	1	1	1	39.72	52.80168812
3080	16/12/2020	7	7.1	7.1.1.3	2300054795	914	43	32.7	31	5.3	13	4.3	164	55.9	34.02	75.24	1	1	1	1	1	41.21	54.7778865
3081	16/12/2020	7	7.1	7.1.1.3	2300053949	818	59	45.9	24	4.4	14	3.5	106	49.0	46.40	74.62	1	1	1	1	1	28.22	37.81724878
3082	16/12/2020	7	7.1	7.1.1.2	2300050911	636	68	40.3	29	5.4	15	4.5	157	67.5	43.10	73.46	1	1	1	1	1	30.35	41.32104449

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3083	16/12/2020	7	7.1	7.1.1.2	2300054230	892	26	58.2	31	6.2	24.6	4.6	192	113.2	58.88	75.09	1	1	1	1	0	16.22	21.59753984
3084	16/12/2020	7	7.1	7.1.1.2	2300054075	861	92	48.8	30	5.1	17	4.6	153	78.2	51.11	74.90	1	1	1	1	1	23.79	31.75758633
3085	16/12/2020	7	7.1	7.1.1.2	2300054086	935	49	30.4	26	6.2	9.2	5.1	161	46.9	29.11	75.37	1	1	1	1	1	46.26	61.38158451
3086	16/12/2020	7	7.1	7.1.1.2	2300053933	968	100	43.2	32	6.7	15.8	5	214	79.0	36.85	75.58	1	1	1	1	1	38.73	51.24843886
3087	16/12/2020	7	7.1	7.1.1.2	2300054070	765	69	54.8	19	5.5	11.7	5	105	58.5	55.98	74.28	1	1	1	1	0	18.30	24.63738019
3088	16/12/2020	7	7.1	7.1.1.2	2300054077	907	26	54.4	32	3.6	23.9	2.5	115	59.8	51.87	75.19	1	1	1	1	1	23.32	31.02039153
3089	16/12/2020	7	7.1	7.1.1.2	2300053935	522	26	35.6	33	4.6	21.4	2.9	152	62.1	40.88	72.73	1	1	1	1	1	31.84	43.78586649
3090	16/12/2020	7	7.1	7.1.1.2	2300053978	533	33	41.7	31	3.4	17.7	2.6	105	46.0	43.66	72.80	1	1	1	1	1	29.13	40.02209001
3091	16/12/2020	7	7.1	7.1.1.2	2300053954	562	37	35.6	32	4.8	13.6	3.9	154	53.0	34.53	72.98	1	1	1	1	1	38.45	52.6857698
3092	16/12/2020	7	7.1	7.1.1.2	2300054149	745	60	42.6	31	4.9	15.4	4.7	152	72.4	47.65	74.15	1	1	1	1	1	26.50	35.74214529
3093	16/12/2020	7	7.1	7.1.1.2	2300054137	750	52	39.9	32	4.7	15.3	4.03	150	61.7	41.00	74.19	1	1	1	1	1	33.19	44.73798893
3094	16/12/2020	7	7.1	7.1.1.2	2300054116	750	89	60	21	4.5	15.4	3.8	95	58.5	61.93	74.19	1	1	1	0	0	12.26	16.52612902
3095	16/12/2020	7	7.1	7.1.1.2	2300053941	769	26	22.2	32	3.9	11.6	2.4	125	27.8	22.31	74.31	1	1	1	1	1	52.00	69.97925877
3096	16/12/2020	7	7.1	7.1.1.2	2300053997	761	54	40	32	4.8	15.1	4.1	154	61.9	40.31	74.26	1	1	1	1	1	33.95	45.72051758
3097	16/12/2020	7	7.1	7.1.1.2	2300053926	766	23	30.8	30	4.5	12.4	3.4	135	42.2	31.23	74.29	1	1	1	1	1	43.06	57.96163381
3098	16/12/2020	7	7.1	7.1.1.2	2300054106	742	127	60.6	32	4.8	22.3	4.3	154	95.9	62.43	74.13	1	1	1	0	0	11.71	15.79071446
3099	16/12/2020	7	7.1	7.1.1.2	2300054231	770	138	58.7	32	5.3	22.5	4.5	170	101.3	59.70	74.31	1	1	1	0	0	14.61	19.66615651
3100	16/12/2020	7	7.1	7.1.1.2	2300053932	786	74	42.7	31	5.4	16	4.8	167	76.8	45.88	74.42	1	1	1	1	1	28.54	38.34942808
3101	16/12/2020	7	7.1	7.1.1.2	2300054061	540	64	18.9	32	4.8	6.7	4.4	154	29.5	19.19	72.84	1	1	1	1	1	53.65	73.65159066
3102	16/12/2020	7	7.1	7.1.1.2	2300054132	760	41	39.9	31	4.5	15.2	3.7	140	56.2	40.32	74.25	1	1	1	1	1	33.93	45.70314857
3103	16/12/2020	7	7.1	7.1.1.2	2300054034	996	74	37.5	32	5.1	17.7	3.9	163	69.0	42.30	75.76	1	1	1	1	1	33.46	44.16899314
3104	16/12/2020	7	7.1	7.1.1.2	2300054126	1022	12	20.4	31	2.4	20.2	1.4	74	28.3	38.01	75.93	1	1	1	1	1	37.92	49.93763376
3105	16/12/2020	7	7.1	7.1.1.2	2300054208	1036	77	36.5	32	6.4	18.2	4.1	205	74.6	36.44	76.02	1	1	1	1	1	39.58	52.068834
3106	16/12/2020	7	7.1	7.1.1.4	2300054227	1029	58	31.7	32	5.5	12.3	3.4	176	41.8	23.76	75.97	1	1	1	1	1	52.21	68.72336026
3107	16/12/2020	7	7.1	7.1.1.4	2300054207	1033	138	57.6	30	7.6	22.6	5.9	228	133.3	58.48	76.00	1	1	1	1	0	17.51	23.04656469
3108	16/12/2020	7	7.1	7.1.1.4	2300053925	1050	76	32.6	31	6.5	13	5.2	202	67.6	33.55	76.11	1	1	1	1	1	42.56	55.91886698
3109	16/12/2020	7	7.1	7.1.1.4	2300053991	1048	72	34.4	31	6.1	13.5	4.9	189	66.2	34.98	76.09	1	1	1	1	1	41.11	54.02809808
3110	16/12/2020	7	7.1	7.1.1.4	2300053959	1044	101	48.2	32	6.4	21	4.7	205	98.7	48.19	76.07	1	1	1	1	1	27.87	36.64403849
3111	16/12/2020	7	7.1	7.1.1.4	23000	981	82	36	32	6.1	13.9	5.4	195	75.1	38.45	75.66	1	1	1	1	1	37.21	49.17970822
3112	16/12/2020	7	7.1	7.1.1.4	2300054170	939	119	53.1	31	4.2	21.2	4.1	130	86.9	66.76	75.40	1	1	0	0	0	8.64	11.4552672

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3113	16/12/2020	7	7.1	7.1.1.4	2300054099	851	73	51.6	30	6.4	13.2	5.3	192	70.0	36.44	74.83	1	1	1	1	1	38.39	51.30785596
3114	16/12/2020	7	7.1	7.1.1.4	2300054116	989	73	38.1	30	5.9	14.3	4.9	177	70.1	39.59	75.72	1	1	1	1	1	36.13	47.71543695
3115	16/12/2020	7	7.1	7.1.1.4	2300053985	633	89	60.7	20	4.7	14.8	4.1	94	60.7	64.55	73.44	1	1	0	0	0	8.88	12.09742271
3116	16/12/2020	7	7.1	7.1.1.4	2300054084	825	71	33.5	31	5.3	14.8	4.1	164	60.7	36.93	74.67	1	1	1	1	1	37.73	50.5364682
3117	16/12/2020	7	7.1	7.1.1.4	2300054122	918	64	38.9	30	5.6	14.3	4.6	168	65.8	39.15	75.26	1	1	1	1	1	36.11	47.97483709
3118	16/12/2020	7	7.1	7.1.1.4	2300053931	909	89	48.5	31	5.4	18.9	4.3	167	81.3	48.55	75.20	1	1	1	1	1	26.66	35.44406505
3119	16/12/2020	7	7.1	7.1.1.4	2300054048	874	89	58	20	6.4	16.4	5.4	128	88.6	69.19	74.98	1	0	0	0	0	5.79	7.724901173
3120	16/12/2020	7	7.1	7.1.1.4	2300053937	1000	117	54.7	31	6.5	22.5	5.1	202	114.8	56.95	75.79	1	1	1	1	0	18.84	24.85697778
3121	16/12/2020	7	7.1	7.1.1.4	2300053951	1104	122	56.1	31	7.5	23.3	5.7	233	132.8	57.12	76.45	1	1	1	1	1	19.33	25.28268781
3122	16/12/2020	7	7.1	7.1.1.4	2300054237	860	35	18.5	30	5.3	6	5.2	159	31.2	19.62	74.89	1	1	1	1	1	55.27	73.79804846
3123	16/12/2020	7	7.1	7.1.1.4	2300054136	983	132	59.1	31	5.7	23.3	4.7	177	109.5	61.98	75.68	1	1	1	0	0	13.70	18.10598299
3124	16/12/2020	7	7.1	7.1.1.4	2300054032	577	93	53.9	22	4.1	15.7	3.2	90	50.2	55.70	73.08	1	1	1	1	0	17.38	23.78302888
3125	16/12/2020	7	7.1	7.1.1.4	2300053952	636	20	20.4	30	2.4	20.4	1.2	72	24.5	34.00	73.46	1	1	1	1	1	39.46	53.71403989
3126	16/12/2020	7	7.1	7.1.1.4	2300054025	749	20	20.5	30	2.4	20.4	1.4	72	28.6	39.67	74.18	1	1	1	1	1	34.51	46.52617881
3127	16/12/2020	7	7.1	7.1.1.4	2300054028	528	126	65.7	32	3.1	23.5	2.7	99	63.5	63.96	72.77	1	1	0	0	0	8.80	12.098512
3128	16/12/2020	7	7.1	7.1.1.4	2300054205	1051	86	35.5	30	6.7	14.3	3.5	201	50.1	24.90	76.11	1	1	1	1	1	51.21	67.28457188
3129	16/12/2020	7	7.1	7.1.1.4	2300054138	1092	72	33.7	32	6.4	13.7	5.1	205	69.9	34.12	76.37	1	1	1	1	1	42.26	55.33053974
3130	16/12/2020	7	7.1	7.1.2.2	2300047872	1068	67	34.5	20	6.7	12.4	5.2	134	64.5	48.12	76.22	1	1	1	1	1	28.10	36.86874126
3131	16/12/2020	7	7.1	7.1.2.2	2300047879	689	26	31.3	31	3.9	12.7	2.9	121	36.8	30.46	73.80	1	1	1	1	1	43.33	58.71949991
3132	16/12/2020	7	7.1	7.1.2.2	2300052191	572	41	28.8	21	3.5	7.2	3.1	74	22.3	30.37	73.05	1	1	1	1	1	42.68	58.42754653
3133	16/12/2020	7	7.1	7.1.2.2	2300054788	617	52	32.3	30	5.5	13.2	2.4	165	31.7	19.20	73.33	1	1	1	1	1	54.13	73.81870544
3134	16/12/2020	7	7.1	7.1.2.2	2300052448	574	20	24.4	30	2.4	20.2	1.4	72	28.3	39.28	73.06	1	1	1	1	1	33.78	46.23871773
3135	16/12/2020	7	7.1	7.1.2.2	2300054778	716	31	32.9	30	4.5	13	3.5	135	45.5	33.70	73.97	1	1	1	1	1	40.26	54.43499697
3136	16/12/2020	7	7.1	7.1.2.2	2300054774	1049	51	36.2	31	5.4	14.5	4.2	167	60.9	36.38	76.10	1	1	1	1	1	39.72	52.19432387
3137	16/12/2020	7	7.1	7.1.2.2	2300054787	1016	16	28.5	30	3.2	7.5	2.3	96	17.3	17.97	75.89	1	1	1	1	1	57.92	76.32213882
3138	16/12/2020	7	7.1	7.1.2.2	VSPL2201012479 805	935	135	60.2	30	3.6	22.9	3.03	108	69.4	64.25	75.37	1	1	0	0	0	11.12	14.75756638
3139	16/12/2020	7	7.1	7.1.2.2	2300052440	1031	123	52.6	33	7.03	23.8	5.2	232	123.8	53.35	75.98	1	1	1	1	1	22.64	29.79200069
3140	16/12/2020	7	7.1	7.1.2.2	2300052428	1089	120	48	32	7.2	22.1	5.1	230	112.7	48.92	76.36	1	1	1	1	1	27.44	35.93230774
3141	16/12/2020	7	7.1	7.1.2.2	2300054818	1093	133	58.1	32	7.3	24.8	5.5	234	136.4	58.39	76.38	1	1	1	1	0	17.99	23.55394919

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3142	16/12/2020	7	7.1	7.1.2.2	2300054081	527	20	18.5	30	2.4	20.2	1.4	72	28.3	39.28	72.76	1	1	1	1	1	33.48	46.01645742
3143	16/12/2020	7	7.1	7.1.2.2	VSPL2201012449801	1103	24	20.5	30	2.5	18.5	1.4	75	25.9	34.53	76.45	1	1	1	1	1	41.91	54.82602788
3144	16/12/2020	7	7.1	7.1.2.2	2300054091	1001	20	30.2	30	2.6	19.2	1.6	78	30.7	39.38	75.79	1	1	1	1	1	36.41	48.03619441
3145	16/12/2020	7	7.1	7.1.2.2	2300053891	884	111	56.7	20	3.9	15.6	3	78	46.8	60.00	75.04	1	1	1	1	0	15.04	20.04647965
3146	16/12/2020	7	7.1	7.1.2.2	2300052465	880	115	48.7	31	4.9	20.9	3.7	152	77.3	50.91	75.02	1	1	1	1	1	24.11	32.1382969
3147	16/12/2020	7	7.1	7.1.2.2	2300052437	522	36	36.7	29	4.6	13.5	3.7	133	50.0	37.44	72.73	1	1	1	1	1	35.28	48.51447044
3148	16/12/2020	7	7.1	7.1.2.2	2300042472	721	10	26.7	30	5.2	12.3	3.5	156	43.1	27.60	74.00	1	1	1	1	1	46.40	62.70810179
3149	16/12/2020	7	7.1	7.1.2.2	2300047871	696	43	19.5	30	5.7	11.1	3.1	171	34.4	20.12	73.84	1	1	1	1	1	53.72	72.74824213
3150	16/12/2020	7	7.1	7.1.2.2	2300052504	1061	43	34	30	4.6	11.1	3.1	138	34.4	24.93	76.18	1	1	1	1	1	51.24	67.26705041
3151	16/12/2020	7	7.1	7.1.2.2	2300042466	1040	36	27.9	21	5.6	6.2	0.3	118	1.9	1.58	76.04	1	1	1	1	1	74.46	97.92005385
3152	16/12/2020	7	7.1	7.1.2.4	2300052180	996	54	30.8	28	5.9	12.1	4.3	165	52.0	31.50	75.76	1	1	1	1	1	44.27	58.42794206
3153	16/12/2020	7	7.1	7.1.2.4	2300047881	932	41	34.9	30	5.2	13.4	4.2	156	56.3	36.08	75.35	1	1	1	1	1	39.27	52.12138016
3154	16/12/2020	7	7.1	7.1.2.4	2300047876	811	53	35.9	30	6.1	13.9	4.9	183	68.1	37.22	74.58	1	1	1	1	1	37.36	50.09335496
3155	16/12/2020	7	7.1	7.1.2.4	VSPL2201012468916	989	24	14.7	30	3.5	5.4	3	105	16.2	15.43	75.72	1	1	1	1	1	60.29	79.62299522
3156	16/12/2020	7	7.1	7.1.2.4	23000	1101	26	52.1	20	3.5	13.6	2.1	70	28.6	40.80	76.43	1	1	1	1	1	35.63	46.61949644
3157	16/12/2020	7	7.1	7.1.2.4	2300057780	751	45	38.9	30	4.2	13.4	3.1	126	41.5	32.97	74.19	1	1	1	1	1	41.22	55.56383947
3158	16/12/2020	7	7.1	7.1.2.4	2300054791	754	44	36.6	32	4.7	14.3	3.8	150	54.3	36.13	74.21	1	1	1	1	1	38.08	51.31445872
3159	16/12/2020	7	7.1	7.1.2.4	2300052423	756	58	46.5	21	4.5	12.8	3.5	95	44.8	47.41	74.22	1	1	1	1	1	26.82	36.12961855
3160	16/12/2020	7	7.1	7.1.2.4	2300054785	753	41	48.7	30	5.09	12.4	4.08	153	50.6	33.13	74.21	1	1	1	1	1	41.07	55.35133569
3161	16/12/2020	7	7.1	7.1.2.4	2300054821	748	54	40.7	28	4.5	14.9	3.5	126	52.2	41.39	74.17	1	1	1	1	1	32.78	44.199672
3162	16/12/2020	7	7.1	7.1.2.4	2300054817	739	28	33.2	30	4.4	13	3.4	132	44.2	33.48	74.12	1	1	1	1	1	40.63	54.82078202
3163	16/12/2020	7	7.1	7.1.2.4	2300054078	747	89	56.1	21	4.9	14.4	4.07	103	58.6	56.96	74.17	1	1	1	1	0	17.21	23.20516967
3164	16/12/2020	7	7.1	7.1.2.4	2300054064	768	89	43.3	31	4.7	4.97	3.2	146	15.9	10.92	74.30	1	1	1	1	1	63.39	85.30901256
3165	16/12/2020	7	7.1	7.1.2.4	2300053709	746	75	54.3	21	4.7	13.4	3.9	99	52.3	52.95	74.16	1	1	1	1	1	21.21	28.60296295
3166	16/12/2020	7	7.1	7.1.2.4	2300052441	742	49	39.8	30	4.8	14.1	4.2	144	59.2	41.13	74.13	1	1	1	1	1	33.01	44.52672699
3167	16/12/2020	7	7.1	7.1.2.4	2300054094	734	42	39	27	4.6	13.1	3.8	124	49.8	40.08	74.08	1	1	1	1	1	34.00	45.89826183
3168	16/12/2020	7	7.1	7.1.2.4	2300053889	723	35	36.3	31	4.7	13.6	3.9	146	53.0	36.40	74.01	1	1	1	1	1	37.61	50.81476145
3169	16/12/2020	7	7.1	7.1.2.4	2300053706	720	20	18.2	30	2.4	20.4	1.2	72	24.5	34.00	73.99	1	1	1	1	1	39.99	54.05032841
3170	16/12/2020	7	7.1	7.1.2.4	2300042468	701	114	52.9	30	4.7	20.6	3.7	141	76.2	54.06	73.87	1	1	1	1	1	19.82	26.82417576

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3171	16/12/2020	7	7.1	7.1.2.4	2300054301	700	7	42.7	31	4.9	15.5	4.3	152	66.7	43.88	73.87	1	1	1	1	1	29.99	40.59844716
3172	16/12/2020	7	7.1	7.1.2.4	2300042463	691	120	49.7	32	4.7	20.7	3.5	150	72.5	48.17	73.81	1	1	1	1	1	25.64	34.73433572
3173	16/12/2020	7	7.1	7.1.2.4	2300047885	713	92	62.5	21	4.6	15.3	3.9	97	59.7	61.77	73.95	1	1	1	0	0	12.18	16.46943262
3174	16/12/2020	7	7.1	7.1.2.3	2300054115	715	50	40.9	31	4.5	15.3	3.8	140	58.1	41.68	73.96	1	1	1	1	1	32.28	43.65022666
3175	16/12/2020	7	7.1	7.1.2.3	2300054095	711	52	40.6	29	4.8	14.6	3.9	139	56.9	40.91	73.94	1	1	1	1	1	33.03	44.67519055
3176	16/12/2020	7	7.1	7.1.2.3	2300053930	700	91	56.5	24	4.7	16.1	4.04	113	65.0	57.66	73.87	1	1	1	1	0	16.20	21.93550406
3177	16/12/2020	7	7.1	7.1.2.3	2300054077	696	46	16.8	31	4.6	15.7	2.5	143	39.3	27.52	73.84	1	1	1	1	1	46.32	62.72427536
3178	16/12/2020	7	7.1	7.1.2.3	2300050923	699	16	54.6	19	2.5	14.8	1.8	48	26.6	56.08	73.86	1	1	1	1	0	17.78	24.06645781
3179	16/12/2020	7	7.1	7.1.2.3	2300053924	693	46	63.2	31	4.6	25.3	3.7	143	93.6	65.65	73.82	1	1	0	0	0	8.18	11.07546167
3180	16/12/2020	7	7.1	7.1.2.3	2300054139	693	73	45.7	29	4.6	16.5	3.7	133	61.1	45.76	73.82	1	1	1	1	1	28.06	38.00613145
3181	16/12/2020	7	7.1	7.1.2.3	2300053947	670	102	47	21	4.5	15.9	3.7	95	58.8	62.25	73.67	1	1	1	0	0	11.42	15.50076248
3182	16/12/2020	7	7.1	7.1.2.3	2300054117	650	122	43.1	30	4.4	20.7	3.4	132	70.4	53.32	73.55	1	1	1	1	1	20.23	27.50362791
3183	16/12/2020	7	7.1	7.1.2.3	2300053942	672	54	43.9	20	4.3	13.3	4.3	86	57.2	66.50	73.69	1	0	0	0	0	7.19	9.753171531
3184	16/12/2020	7	7.1	7.1.2.3	2300054102	670	43	39.8	28	4.6	14.5	3.7	129	53.7	41.65	73.67	1	1	1	1	1	32.02	43.46210779
3185	16/12/2020	7	7.1	7.1.2.3	2300053934	669	14	32.7	30	4.1	13.3	3.1	123	41.2	33.52	73.67	1	1	1	1	1	40.15	54.4978726
3186	16/12/2020	7	7.1	7.1.2.3	2300053940	672	46	41.1	32	4.6	15.5	2.5	147	38.8	26.32	73.69	1	1	1	1	1	47.36	64.27483856
3187	16/12/2020	7	7.1	7.1.2.3	23000	660	41	20.1	32	3.6	7	2.1	115	14.7	12.76	73.61	1	1	1	1	1	60.85	82.66483268
3188	16/12/2020	7	7.1	7.1.2.3	2300053950	650	26	33.7	31	3.3	16.2	3.2	102	51.8	50.67	73.55	1	1	1	1	1	22.87	31.09824218
3189	16/12/2020	7	7.1	7.1.2.3	2300054046	641	65	40.8	32	4.3	16.8	3.3	138	55.4	40.29	73.49	1	1	1	1	1	33.20	45.17407145
3190	16/12/2020	7	7.1	7.1.2.3	2300053929	635	48	44.4	31	4.4	16.3	3.7	136	60.3	44.22	73.45	1	1	1	1	1	29.23	39.80184817
3191	17/12/2020	7	7.1	7.1.2.3	2300054049	629	103	61.8	31	4.4	15	3.7	136	55.5	40.69	73.41	1	1	1	1	1	32.72	44.57395077
3192	17/12/2020	7	7.1	7.1.2.3	2300054087	750	123	52.9	30	5.4	21	4.2	162	88.2	54.44	74.19	1	1	1	1	1	19.74	26.61089094
3193	17/12/2020	7	7.1	7.1.2.3	2300053710	791	37	36.6	21	4.1	11.4	2.7	86	30.8	35.75	74.45	1	1	1	1	1	38.70	51.98133349
3194	17/12/2020	7	7.1	7.1.2.3	2300054076	785	126	56.8	31	5	22.4	4.02	155	90.0	58.10	74.41	1	1	1	1	0	16.31	21.92516615
3195	17/12/2020	7	7.1	7.1.2.3	2300053949	795	60	77.1	21	5.01	12.5	3.9	105	48.8	46.34	74.47	1	1	1	1	1	28.14	37.78244806
3196	17/12/2020	7	7.1	7.1.2.3	23000	815	57	36.2	32	5.6	14	4.6	179	64.4	35.94	74.60	1	1	1	1	1	38.66	51.82769899
3197	17/12/2020	7	7.1	7.1.2.3	2300047873	815	136	54.6	31	5.6	22.4	4.3	174	96.3	55.48	74.60	1	1	1	1	1	19.12	25.62683176
3198	17/12/2020	7	7.1	7.1.2.1	-	812	53	43.5	32	4.4	12.7	3.4	141	43.2	30.67	74.58	1	1	1	1	1	43.92	58.88111785
3199	17/12/2020	7	7.1	7.1.2.1	2300054408	813	96	46.7	31	5.07	19.6	3.7	157	72.5	46.14	74.59	1	1	1	1	1	28.45	38.13967561
3200	17/12/2020	7	7.1	7.1.2.1	2300054121	812	44	43.6	20	4.1	11.8	3.1	82	36.6	44.61	74.58	1	1	1	1	1	29.97	40.18760881

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3201	17/12/2020	7	7.1	7.1.2.1	2300053988	810	37	33	26	4.8	11.9	3.8	125	45.2	36.23	74.57	1	1	1	1	1	38.34	51.40944836
3202	17/12/2020	7	7.1	7.1.2.1	2300053935	808	45	42.2	22	4.4	11.8	3.3	97	38.9	40.23	74.56	1	1	1	1	1	34.33	46.04508655
3203	17/12/2020	7	7.1	7.1.2.1	23000	814	62	45.7	23	5	13.2	3.8	115	50.2	43.62	74.60	1	1	1	1	1	30.98	41.52819831
3204	17/12/2020	7	7.1	7.1.2.1	2300054109	807	61	50.3	30	4.6	12.8	3.7	138	47.4	34.32	74.55	1	1	1	1	1	40.23	53.96583192
3205	17/12/2020	7	7.1	7.1.2.1	2300053973	794	70	35.5	30	4.8	17.6	3.03	144	53.3	37.03	74.47	1	1	1	1	1	37.43	50.26919985
3206	17/12/2020	7	7.1	7.1.2.1	2300054127	806	15	26.2	27	4.02	10.9	2.6	109	28.3	26.11	74.54	1	1	1	1	1	48.43	64.97364015
3207	17/12/2020	7	7.1	7.1.2.1	2300053936	883	104	45.5	31	4.8	19.7	3.5	149	69.0	46.34	75.04	1	1	1	1	1	28.70	38.24747513
3208	17/12/2020	7	7.1	7.1.2.1	2300053939	577	56	51.1	20	3.7	13.1	3.05	74	40.0	53.99	73.08	1	1	1	1	1	19.09	26.11640689
3209	17/12/2020	7	7.1	7.1.2.1	2300054112	826	36	30.4	30	5.1	12.2	3.9	153	47.6	31.10	74.67	1	1	1	1	1	43.57	58.35403815
3210	17/12/2020	7	7.1	7.1.2.1	23000	819	21	26	29	4.9	11.5	3.2	142	36.8	25.90	74.63	1	1	1	1	1	48.73	65.29801916
3211	17/12/2020	7	7.1	7.1.2.1	2300054101	818	32	29.9	29	4.8	11.3	3.08	139	34.8	25.00	74.62	1	1	1	1	1	49.62	66.49360562
3212	17/12/2020	7	7.1	7.1.2.1	23000	820	17	27	29	4.2	11	2.8	122	30.8	25.29	74.63	1	1	1	1	1	49.35	66.11818163
3213	17/12/2020	7	7.1	7.1.2.1	2300054119	820	36	33.3	28	4.7	11.9	3.8	132	45.2	34.36	74.63	1	1	1	1	1	40.27	53.9597206
3214	17/12/2020	7	7.1	7.1.2.1	2300054298	820	27	30.5	27	4.3	11.2	2.8	116	31.4	27.01	74.63	1	1	1	1	1	47.62	63.80845561
3215	17/12/2020	7	7.1	7.1.2.1	2300053928	830	88	45.6	30	5.2	18.3	4.04	156	73.9	47.39	74.70	1	1	1	1	1	27.31	36.55478367
3216	17/12/2020	7	7.1	7.1.2.1	2300054083	854	57	50.7	19	5.2	11.9	4.03	99	48.0	48.54	74.85	1	1	1	1	1	26.31	35.15238995
3217	17/12/2020	7	7.1	7.1.2.1	2300054088	807	113	47.7	31	5.2	20.3	4.4	161	89.3	55.41	74.55	1	1	1	1	1	19.14	25.6756074
3218	17/12/2020	7	7.1	7.1.2.1	23000	865	71	39.1	30	5.2	14	4.3	156	60.2	38.59	74.92	1	1	1	1	1	36.33	48.49344173
3219	17/12/2020	7	7.1	7.1.2.1	2300054266	864	87	42.4	31	5.3	18.9	3.7	164	69.9	42.56	74.92	1	1	1	1	1	32.35	43.18621772
3220	17/12/2020	7	7.1	7.1.2.1	2300047882	861	57	37.3	31	5.07	14	4.1	157	57.4	36.52	74.90	1	1	1	1	1	38.38	51.23802404
3221	17/12/2020	7	7.1	7.1.2.1	2300047878	867	102	51.4	31	5.2	20.2	4.1	161	82.8	51.38	74.93	1	1	1	1	1	23.56	31.43750138
3222	17/12/2020	7	7.2	7.2.1.2	2300036786	879	38	37.3	20	4.2	11.6	2.8	84	32.5	38.67	75.01	1	1	1	1	1	36.34	48.45241714
3223	17/12/2020	7	7.2	7.2.1.2	2300042214	882	62	36.4	30	5.4	16.9	3.5	162	59.2	36.51	75.03	1	1	1	1	1	38.52	51.33685676
3224	17/12/2020	7	7.2	7.2.1.2	2300043752	889	49	40.9	22	4.8	11.1	3.6	106	40.0	37.84	75.08	1	1	1	1	1	37.23	49.59626151
3225	17/12/2020	7	7.2	7.2.1.2	2300042851	885	80	39.7	30	5.5	18.7	3.7	165	69.2	41.93	75.05	1	1	1	1	1	33.12	44.12613813
3226	17/12/2020	7	7.2	7.2.1.2	2300042461	887	48	44.4	20	4.5	21.1	3.4	90	71.7	79.71	75.06	1	0	0	0	0	-4.65	-6.192562909
3227	17/12/2020	7	7.2	7.2.1.2	2300046413	886	90	43.6	30	5.4	19.6	3.6	162	70.6	43.56	75.06	1	1	1	1	1	31.50	41.96956481
3228	17/12/2020	7	7.2	7.2.1.2	2300036501	883	49	39.6	23	4.8	12.5	3.7	110	46.3	41.89	75.04	1	1	1	1	1	33.14	44.17020366
3229	17/12/2020	7	7.2	7.2.1.2	2300045471	882	47	32.2	29	5.5	12.1	4.3	160	52.0	32.62	75.03	1	1	1	1	1	42.41	56.52360143
3230	17/12/2020	7	7.2	7.2.1.2	2300046030	886	62	45.1	23	5.3	13.1	4.2	122	55.0	45.14	75.06	1	1	1	1	1	29.92	39.86474591

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3231	17/12/2020	7	7.2	7.2.1.2	2300046400	822	73	36.3	30	4.9	17.5	3.1	147	54.3	36.90	74.65	1	1	1	1	1	37.74	50.56082524
3232	17/12/2020	7	7.2	7.2.1.2	2300046403	865	39	34.6	23	4.6	11.2	3.3	106	37.0	34.93	74.92	1	1	1	1	1	39.99	53.37305807
3233	17/12/2020	7	7.2	7.2.1.2	23000	917	56	33	30	5.7	12.9	4.9	171	63.2	36.96	75.25	1	1	1	1	1	38.29	50.8803262
3234	17/12/2020	7	7.2	7.2.1.2	23000	808	31	32.5	28	5.1	12.1	4.05	143	49.0	34.32	74.56	1	1	1	1	1	40.24	53.97194786
3235	17/12/2020	7	7.2	7.2.1.2	23000	896	43	30.8	28	5.2	11.7	4.01	146	46.9	32.22	75.12	1	1	1	1	1	42.90	57.10457574
3236	17/12/2020	7	7.2	7.2.1.4	2300038123	751	15	31.1	27	3.1	12.1	2.2	84	26.6	31.80	74.19	1	1	1	1	1	42.39	57.13299189
3237	17/12/2020	7	7.2	7.2.1.4	2300045089	840	14	28.8	27	3.2	10.9	2.1	86	22.9	26.49	74.76	1	1	1	1	1	48.27	64.56347402
3238	17/12/2020	7	7.2	7.2.1.4	2300036019	840	20	19.4	30	1.4	20.2	1	42	20.2	48.10	74.76	1	1	1	1	1	26.67	35.66887176
3239	17/12/2020	7	7.2	7.2.1.4	2300036645	920	20	26	30	5.2	20.5	5.2	156	106.6	68.33	75.27	1	0	0	0	0	6.94	9.220536529
3240	17/12/2020	7	7.2	7.2.1.4	2300036785	930	59	50	30	2.4	23.4	5.2	72	121.7	169.00	75.34	1	1	1	1	1	-93.66	-124.3223871
3241	17/12/2020	7	7.2	7.2.1.4	2300038124	920	112	62	30	6.4	20.4	1.4	192	28.6	14.88	75.27	1	1	1	1	1	60.40	80.2388607
3242	17/12/2020	7	7.2	7.2.1.4	23000	1001	98	62	21	7.09	15.1	6.2	149	93.6	62.88	75.79	1	1	1	0	0	12.91	17.03833731
3243	17/12/2020	7	7.2	7.2.1.4	23000	1005	63	32	32	5.6	16.8	3.4	179	57.1	31.88	75.82	1	1	1	1	1	43.94	57.95853227
3244	17/12/2020	7	7.2	7.2.1.4	2300042803	1003	48	47	15	6.3	8.6	5.3	95	45.6	48.23	75.81	1	1	1	1	1	27.57	36.37269708
3245	17/12/2020	7	7.2	7.2.1.4	2300043998	989	68	52	18	6.6	11	5.8	119	63.8	53.70	75.72	1	1	1	1	1	22.01	29.07181122
3246	17/12/2020	7	7.2	7.2.1.4	2300042847	954	36	39.9	30	4.6	14.5	3.9	138	56.6	40.98	75.49	1	1	1	1	1	34.51	45.71811848
3247	17/12/2020	7	7.2	7.2.1.4	2300044799	947	89	44.1	30	5.4	18.6	3.8	162	70.7	43.63	75.45	1	1	1	1	1	31.82	42.17166317
3248	17/12/2020	7	7.2	7.2.1.4	23000	628	107	50.8	30	6.2	19.5	4.9	186	95.6	51.37	73.41	1	1	1	1	1	22.03	30.01726343
3249	17/12/2020	7	7.2	7.2.1.4	2300041179	936	20	20.4	30	2.4	20.2	1.4	72	28.3	39.28	75.38	1	1	1	1	1	36.10	47.8911466
3250	17/12/2020	7	7.2	7.2.1.4	2300042066	525	46	54.6	30	3.2	21.7	2.4	96	52.1	54.25	72.75	1	1	1	1	1	18.50	25.42545295
3251	17/12/2020	7	7.2	7.2.1.4	2300044003	530	20	18.4	30	2.4	18.5	1	72	18.5	25.69	72.78	1	1	1	1	1	47.08	64.69476429
3252	17/12/2020	7	7.2	7.2.1.4	2300034970	733	102	51	29	5.6	20.5	4.4	162	90.2	55.54	74.08	1	1	1	1	1	18.54	25.02163699
3253	17/12/2020	7	7.2	7.2.1.4	2300040290	1002	81	39.6	31	4.6	16.6	2.9	143	48.1	33.76	75.80	1	1	1	1	1	42.04	55.46266461
3254	17/12/2020	7	7.2	7.2.1.4	2300042065	1037	36	24.4	32	2.8	17	1.3	90	22.1	24.67	76.02	1	1	1	1	1	51.36	67.555551
3255	17/12/2020	7	7.2	7.2.1.4	2300046387	1001	100	51.1	30	6.7	14.5	5.7	201	82.7	41.12	75.79	1	1	1	1	1	34.67	45.74732693
3256	17/12/2020	7	7.2	7.2.1.4	2300046028	1036	100	50.1	30	6.8	14	5.8	204	81.2	39.80	76.02	1	1	1	1	1	36.21	47.63771822
3257	17/12/2020	7	7.2	7.2.1.4	2300046033	1040	90	50.4	30	7.4	20.8	2.4	222	49.9	22.49	76.04	1	1	1	1	1	53.56	70.42885973
3258	17/12/2020	7	7.2	7.2.1.4	2300046041	651	26	59.6	30	3.9	24.2	2.9	117	70.2	59.98	73.55	1	1	1	0	0	13.57	18.44874405
3259	17/12/2020	7	7.2	7.2.1.4	2300046445	959	59	43.8	21	5.1	13.1	3.8	107	49.8	46.48	75.52	1	1	1	1	1	29.04	38.45642249
3260	17/12/2020	7	7.2	7.2.1.1	2300047877	996	26	17.8	30	4.5	5.7	4.4	135	25.1	18.58	75.76	1	1	1	1	1	57.18	75.4782475

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3261	17/12/2020	7	7.2	7.2.1.1	2300054847	994	104	45.1	30	6.9	19.2	5.08	207	97.5	47.12	75.75	1	1	1	1	1	28.63	37.79493927
3262	17/12/2020	7	7.2	7.2.1.1	2300054840	987	132	58.2	30	6.7	21.5	5.4	201	116.1	57.76	75.70	1	1	1	1	0	17.94	23.70005597
3263	17/12/2020	7	7.2	7.2.1.1	2300040973	983	60	38.8	25	5.7	12.4	4.6	143	57.0	40.03	75.68	1	1	1	1	1	35.65	47.10682983
3264	17/12/2020	7	7.2	7.2.1.1	2300054849	973	108	49.4	30	6.4	20	4.9	192	98.0	51.04	75.61	1	1	1	1	1	24.57	32.49635425
3265	17/12/2020	7	7.2	7.2.1.1	2300054192	982	49	30.4	28	5.2	11.9	3.9	146	46.4	31.88	75.67	1	1	1	1	1	43.80	57.87675034
3266	17/12/2020	7	7.2	7.2.1.1	2300054268	995	109	48	30	6.8	20.9	4.8	204	100.3	49.18	75.75	1	1	1	1	1	26.58	35.08399479
3267	17/12/2020	7	7.2	7.2.1.1	2300054297	930	20	20.5	30	2.4	18.9	2.1	72	39.7	55.13	75.34	1	1	1	1	1	20.21	26.82975391
3268	17/12/2020	7	7.2	7.2.1.1	2300054255	737	120	0.653	16.3	7.83	16.3	7.33	128	119.5	93.61	74.10	1	1	1	1	1	-19.51	-26.33031945
3269	17/12/2020	7	7.2	7.2.1.1	2300054845	742	22	0.427	9.5	2.29	9.5	2.30	22	21.9	100.44	74.13	1	1	1	1	1	-26.30	-35.47845441
3270	17/12/2020	7	7.2	7.2.1.1	2300054264	806	28	0.708	10.0	2.77	10.0	2.79	28	27.9	100.72	74.54	1	1	1	1	1	-26.18	-35.11681851
3271	17/12/2020	7	7.2	7.2.1.1	2300054180	759	136	0.541	21.2	7.16	21.2	6.40	152	135.7	89.39	74.24	1	1	1	1	0	-15.14	-20.3948554
3272	17/12/2020	7	7.2	7.2.1.1	2300054238	830	127	0.655	17.0	8.10	17.0	7.49	138	127.3	92.47	74.70	1	1	1	1	0	-17.77	-23.79064473
3273	17/12/2020	7	7.2	7.2.1.1	2300054873	874	42	0.655	11.3	3.69	11.3	3.72	42	42.0	100.81	74.98	1	1	1	1	1	-25.83	-34.45391564
3274	17/12/2020	7	7.2	7.2.1.1	2300053977	920	19	0.318	11.0	1.75	11.0	1.75	19	19.3	100.00	75.27	1	1	1	1	1	-24.73	-32.84799532
3275	17/12/2020	7	7.2	7.2.1.1	2300041479	907	34	0.444	10.8	3.12	10.8	3.14	34	33.9	100.64	75.19	1	1	1	1	1	-25.45	-33.84752608
3276	17/12/2020	7	7.2	7.2.1.1	2300053971	906	114	0.641	16.3	7.57	16.3	6.98	123	113.8	92.21	75.18	1	1	1	1	0	-17.02	-22.63990484
3277	17/12/2020	7	7.2	7.2.1.1	2300041447	898	116	0.642	16.0	7.81	16.0	7.25	125	116.0	92.83	75.13	1	1	1	1	0	-17.70	-23.55350964
3278	17/12/2020	7	7.2	7.2.1.1	2300045970	882	118	0.656	16.3	7.65	16.3	7.24	125	118.0	94.64	75.03	1	1	1	1	1	-19.61	-26.13556416
3279	17/12/2020	7	7.2	7.2.1.1	2300046406	872	116	0.643	16.0	7.77	16.0	7.20	124	115.2	92.66	74.97	1	1	1	1	0	-17.70	-23.60684018
3280	17/12/2020	7	7.2	7.2.1.1	2300037642	874	109	0.426	15.5	7.46	15.5	7.02	116	108.8	94.10	74.98	1	1	1	1	1	-19.12	-25.5033058
3281	17/12/2020	7	7.2	7.2.1.1	2300037557	905	109	0.431	15.8	7.39	15.8	6.91	117	109.2	93.50	75.18	1	1	1	1	0	-18.33	-24.37779155
3282	17/12/2020	7	7.2	7.2.1.1	2300038119	842	111	0.424	15.7	7.59	15.7	7.06	119	110.8	93.02	74.77	1	1	1	1	0	-18.24	-24.39635786
3283	17/12/2020	7	7.2	7.2.1.1	2300036775	837	132	0.620	26.2	5.45	26.2	5.03	143	131.8	92.29	74.74	1	1	1	1	0	-17.55	-23.48156342
3284	17/12/2020	7	7.2	7.2.1.3	2300054253	896	100	0.432	16.1	6.74	16.1	6.23	109	100.3	92.43	75.12	1	1	1	1	0	-17.31	-23.04678146
3285	17/12/2020	7	7.2	7.2.1.3	2300054179	870	128	0.708	25.5	5.37	25.5	5.03	137	128.3	93.67	74.95	1	1	1	1	0	-18.71	-24.96801887
3286	17/12/2020	7	7.2	7.2.1.3	2300054274	893	15	0.361	10.3	1.43	10.3	1.43	15	14.7	100.00	75.10	1	1	1	1	1	-24.90	-33.15366466
3287	17/12/2020	7	7.2	7.2.1.3	2300054272	749	101	0.624	16.4	6.89	16.4	6.19	113	101.5	89.84	74.18	1	1	1	1	0	-15.66	-21.11193419
3288	17/12/2020	7	7.2	7.2.1.3	2300054259	783	27	0.845	10.0	2.66	10.0	2.68	27	26.8	100.75	74.40	1	1	1	1	1	-26.35	-35.42428976
3289	17/12/2020	7	7.2	7.2.1.3	2300054252	768	27	0.327	11.9	2.33	11.9	2.24	28	26.7	96.14	74.30	1	1	1	1	1	-21.84	-29.38867617
3290	17/12/2020	7	7.2	7.2.1.3	2300054236	764	105	0.608	16.2	6.97	16.2	6.46	113	104.7	92.68	74.28	1	1	1	1	0	-18.41	-24.78246804

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3291	17/12/2020	7	7.2	7.2.1.3	2300054257	770	104	0.659	16.7	6.75	16.7	6.22	113	103.9	92.15	74.31	1	1	1	1	0	-17.83	-23.99836928
3292	17/12/2020	7	7.2	7.2.1.3	2300054201	776	103	0.403	15.4	7.22	15.4	6.70	111	103.2	92.80	74.35	1	1	1	1	0	-18.45	-24.80805453
3293	17/12/2020	7	7.2	7.2.1.3	2300054185	770	115	0.652	16.9	7.31	16.9	6.80	124	114.9	93.02	74.31	1	1	1	1	1	-18.71	-25.17595045
3294	17/12/2020	7	7.2	7.2.1.3	23000	810	105	0.395	15.5	7.25	15.5	6.75	112	104.6	93.10	74.57	1	1	1	1	0	-18.53	-24.85375925
3295	17/12/2020	7	7.2	7.2.1.3	2300054853	783	39	0.780	10.9	3.58	10.9	3.60	39	39.2	100.56	74.40	1	1	1	1	1	-26.16	-35.16457503
3296	17/12/2020	7	7.2	7.2.1.3	23000	791	25	0.672	10.5	2.35	10.5	2.35	25	24.7	100.00	74.45	1	1	1	1	1	-25.55	-34.32122114
3297	17/12/2020	7	7.2	7.2.1.3	2300042473	827	110	0.517	21.1	6.04	21.1	5.21	127	109.9	86.26	74.68	1	1	1	0	0	-11.58	-15.50570998
3298	17/12/2020	7	7.2	7.2.1.3	2300054830	849	11	0.262	9.1	1.18	9.1	1.18	11	10.7	100.00	74.82	1	1	1	1	1	-25.18	-33.65481772
3299	17/12/2020	7	7.2	7.2.1.3	2300042471	790	115	0.676	16.7	7.17	16.7	6.88	120	114.9	95.96	74.44	1	1	1	1	1	-21.51	-28.89950511
3300	17/12/2020	7	7.2	7.2.1.3	23000	916	133	0.521	21.3	7.15	21.3	6.26	152	133.3	87.55	75.25	1	1	1	0	0	-12.30	-16.35124142
3301	17/12/2020	7	7.2	7.2.1.3	2300042469	932	116	0.621	16.5	7.55	16.5	7.05	125	116.3	93.38	75.35	1	1	1	1	0	-18.03	-23.9236789
3302	17/12/2020	7	7.2	7.2.1.3	2300045986	939	105	0.697	16.2	6.43	16.2	6.48	104	105.0	100.78	75.40	1	1	1	1	1	-25.38	-33.66510112
3303	17/12/2020	7	7.2	7.2.1.3	2300042467	942	133	0.557	21.8	6.84	21.8	6.13	149	133.6	89.62	75.41	1	1	1	0	0	-14.21	-18.83593544
3304	17/12/2020	7	7.2	7.2.1.3	2300045967	846	112	0.712	25.8	4.63	25.8	4.36	119	112.5	94.17	74.80	1	1	1	1	1	-19.37	-25.8929986
3305	17/12/2020	7	7.2	7.2.1.3	2300045983	679	129	0.508	21.2	7.45	21.2	6.06	158	128.5	81.34	73.73	1	1	0	0	0	-7.61	-10.32214394
3306	17/12/2020	7	7.2	7.2.1.3	2300045089	934	106	0.429	15.5	7.08	15.5	6.84	110	106.0	96.61	75.36	1	1	1	1	1	-21.25	-28.1920841
3307	17/12/2020	7	7.2	7.2.1.3	2300038123	841	108	0.641	16.7	7.02	16.7	6.46	117	107.9	92.02	74.77	1	1	1	1	0	-17.25	-23.07711817
3308	17/12/2020	4	4.3	4.3.2.2	2300052328	869	152	61.3	31	6.4	22.5	5.5	198	123.8	62.37	74.95	1	1	1	0	0	12.57	16.77653196
3309	17/12/2020	4	4.3	4.3.2.2	2300052917	874	4.7	11.6	31	3.3	13.1	2.9	102	38.0	37.14	74.98	1	1	1	1	1	37.84	50.47202855
3310	17/12/2020	4	4.3	4.3.2.2	2300052924	877	138	56.7	31	6.3	21.5	5.3	195	114.0	58.35	75.00	1	1	1	1	0	16.65	22.20390973
3311	17/12/2020	4	4.3	4.3.2.2	2300052531	873	169	66.9	31	6.4	23.7	5.7	198	135.1	68.09	74.97	1	0	0	0	0	6.88	9.181257113
3312	17/12/2020	4	4.3	4.3.2.2	2300052325	867	155	61.5	32	6.4	22.6	5.6	205	126.6	61.80	74.93	1	1	1	0	0	13.14	17.5324749
3313	17/12/2020	4	4.3	4.3.2.2	23000	871	169	64.5	31	6.4	23	5.7	198	131.1	66.08	74.96	1	1	0	0	0	8.88	11.84861736
3314	17/12/2020	4	4.3	4.3.2.2	2300051652	866	157	64	31	6.5	22.9	5.65	202	129.4	64.21	74.93	1	1	0	0	0	10.72	14.30363105
3315	17/12/2020	4	4.3	4.3.2.2	2300051655	882	137	55.3	31	5.5	21.3	5.3	171	112.9	66.21	75.03	1	1	0	0	0	8.82	11.75471447
3316	17/12/2020	4	4.3	4.3.2.2	2300052252	884	36	5.6	31	6.6	6.3	5.3	205	33.4	16.32	75.04	1	1	1	1	1	58.72	78.2531114
3317	17/12/2020	4	4.3	4.3.2.2	2300052502	892	145	58.5	31	6.5	21.8	5.6	202	122.1	60.59	75.09	1	1	1	0	0	14.51	19.32116746
3318	17/12/2020	4	4.3	4.3.2.2	2300051602	881	167	66.3	31	6.2	23.8	5.8	192	138.0	71.82	75.02	0	0	0	0	0	3.20	4.269784535
3319	17/12/2020	4	4.3	4.3.2.2	2300052168	880	94	40.7	31	6.3	18.1	4.5	195	81.5	41.71	75.02	1	1	1	1	1	33.31	44.40658359
3320	17/12/2020	4	4.3	4.3.2.2	2300051647	887	81	37.1	31	6.5	16.4	4.5	202	73.8	36.63	75.06	1	1	1	1	1	38.44	51.20710902

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3321	17/12/2020	4	4.3	4.3.2.2	2300051673	897	156	64	31	6.6	22.7	5.8	205	131.7	64.35	75.13	1	1	0	0	0	10.78	14.34487942
3322	17/12/2020	4	4.3	4.3.2.2	2300051124	900	144	67.8	31	6.7	22.1	5.4	208	119.3	57.46	75.15	1	1	1	1	0	17.69	23.53834944
3323	17/12/2020	4	4.3	4.3.2.2	2300051501	895	158	62.3	32	3.3	23	5.7	106	131.1	124.15	75.11	1	1	1	1	1	-49.03	-65.27907883
3324	17/12/2020	4	4.3	4.3.2.2	2300051632	893	4.9	23.1	31	6.5	15.5	2.1	202	32.6	16.15	75.10	1	1	1	1	1	58.95	78.49056186
3325	17/12/2020	4	4.3	4.3.2.2	2300051056	894	110	46.5	31	6.7	18.6	5.2	208	96.7	46.57	75.11	1	1	1	1	1	28.54	37.99939796
3326	17/12/2020	4	4.3	4.3.2.2	2300051159	897	157	60.6	31	6.6	22.9	5.6	205	128.2	62.68	75.13	1	1	1	0	0	12.45	16.56985673
3327	17/12/2020	4	4.3	4.3.2.2	230000	809	137	55.4	31	6.7	21	5.5	208	115.5	55.61	74.56	1	1	1	1	1	18.95	25.42064557
3328	17/12/2020	4	4.3	4.3.2.2	230000	889	164	64.8	31	6.4	23.1	5.9	198	136.3	68.69	75.08	1	0	0	0	0	6.38	8.499490578
3329	17/12/2020	4	4.3	4.3.2.2	2300052829	895	89	43.7	31	6.4	17.5	5.05	198	88.4	44.54	75.11	1	1	1	1	1	30.57	40.69833745
3330	17/12/2020	4	4.3	4.3.2.2	2300051645	894	159	61.7	31	6.7	22.9	5.7	208	130.5	62.85	75.11	1	1	1	0	0	12.26	16.32611058
3331	17/12/2020	4	4.4	4.4.1.4	2300049907	1001	20	18.2	30	2.1	21.2	2.6	63	55.1	87.49	75.79	1	1	1	0	0	-11.70	-15.43645998
3332	17/12/2020	4	4.4	4.4.1.4	2300049723	1004	20	17.6	30	2.4	18.4	1.6	72	29.4	40.89	75.81	1	1	1	1	1	34.92	46.0651287
3333	17/12/2020	4	4.4	4.4.1.4	2300049854	1045	18	16.5	30	2.5	18.5	2.2	75	40.7	54.27	76.07	1	1	1	1	1	21.81	28.66594807
3334	17/12/2020	4	4.4	4.4.1.4	2300053301	1054	46	24.6	30	4.1	10.1	2.3	123	23.2	18.89	76.13	1	1	1	1	1	57.25	75.19272042
3335	17/12/2020	4	4.4	4.4.1.4	2300049890	1027	143	48.3	30	4.4	21.4	6.3	132	134.8	102.14	75.96	1	1	1	1	1	-26.18	-34.46284517
3336	17/12/2020	4	4.4	4.4.1.4	2300049890	1032	141	47.2	30	7.5	21.1	6.3	225	132.9	59.08	75.99	1	1	1	1	0	16.91	22.25374651
3337	17/12/2020	4	4.4	4.4.1.4	2300053300	1034	49	19.8	30	6.7	6.3	6.6	201	41.6	20.69	76.00	1	1	1	1	1	55.32	72.78212195
3338	17/12/2020	4	4.4	4.4.1.4	2300048311	1037	140	59.8	30	7.2	22.3	6	216	133.8	61.94	76.02	1	1	1	0	0	14.08	18.51859647
3339	17/12/2020	4	4.4	4.4.1.4	2300053286	1032	22	26.9	30	6.7	16	1.3	201	20.8	10.35	75.99	1	1	1	1	1	65.64	86.38222166
3340	17/12/2020	4	4.4	4.4.1.4	2300053105	1034	12	20.8	30	2.5	15.5	0.9	75	14.0	18.60	76.00	1	1	1	1	1	57.40	75.52747501
3341	17/12/2020	4	4.4	4.4.1.4	2300053302	1013	22	27.7	30	2.2	16.2	1.2	66	19.4	29.45	75.87	1	1	1	1	1	46.41	61.17720306
3342	17/12/2020	4	4.4	4.4.1.4	2300053193	1019	15	26.8	30	2.4	16.5	2.4	72	39.6	55.00	75.91	1	1	1	1	1	20.91	27.54348708
3343	17/12/2020	4	4.4	4.4.1.4	2300050143	1028	140	58	30	7.4	21.8	6.1	222	133.0	59.90	75.97	1	1	1	1	0	16.06	21.14691872
3344	17/12/2020	4	4.4	4.4.1.4	2300053194	1035	19	26	30	2.2	15.5	1.2	66	18.6	28.18	76.01	1	1	1	1	1	47.83	62.92353877
3345	17/12/2020	4	4.4	4.4.1.4	2300053249	1033	87	39.6	30	6.8	17.1	4.8	204	82.1	40.24	76.00	1	1	1	1	1	35.76	47.05687299
3346	17/12/2020	4	4.4	4.4.1.4	2300053308	1035	44	28.7	30	3.1	15.4	2.4	93	37.0	39.74	76.01	1	1	1	1	1	36.27	47.71485925
3347	17/12/2020	4	4.4	4.4.1.4	2300053438	1026	153	63	30	7.4	22.4	6.5	222	145.6	65.59	75.95	1	1	0	0	0	10.37	13.64909393
3348	17/12/2020	4	4.4	4.4.1.4	2300053438	1020	133	44.8	30	7.4	21.3	5.9	222	125.7	56.61	75.91	1	1	1	1	1	19.31	25.43126682
3349	17/12/2020	4	4.4	4.4.1.4	2300053282	1023	17	22.22	30	2.5	15.1	1.1	75	16.6	22.15	75.93	1	1	1	1	1	53.79	70.83401376
3350	17/12/2020	4	4.4	4.4.1.4	2300053427	1028	159	62.3	30	7.4	22.6	6.6	222	149.2	67.19	75.97	1	1	0	0	0	8.78	11.55267255

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3351	17/12/2020	4	4.4	4.4.1.4	2300050771	1042	128	51.3	30	2.5	19.7	6.2	75	122.1	162.85	76.05	1	1	1	1	1	-86.80	-114.1263054
3352	17/12/2020	4	4.4	4.4.1.4	23000	1041	138	55.3	30	7.3	21.2	6.2	219	131.4	60.02	76.05	1	1	1	1	0	16.03	21.0788592
3353	17/12/2020	4	4.4	4.4.1.4	2300050295	1041	150	61.7	30	7.6	22.4	6.4	228	143.4	62.88	76.05	1	1	1	0	0	13.17	17.31950576
3354	17/12/2020	4	4.4	4.4.1.4	2300053429	1043	143	47.7	30	7.6	21.7	6.3	228	136.7	59.96	76.06	1	1	1	1	0	16.10	21.1680511
3355	17/12/2020	4	4.3	4.3.3.2	2300050028	989	83	42.2	30	5.9	17.9	4.3	177	77.0	43.49	75.72	1	1	1	1	1	32.23	42.56682149
3356	17/12/2020	4	4.3	4.3.3.2	2300050080	993	49	30.4	30	3	17.1	2.4	90	41.0	45.60	75.74	1	1	1	1	1	30.14	39.79498608
3357	17/12/2020	4	4.3	4.3.3.2	2300050045	990	114	46	30	7.3	18.5	5.4	219	99.9	45.62	75.72	1	1	1	1	1	30.11	39.75801173
3358	17/12/2020	4	4.3	4.3.3.2	2300047732	992	158	66	30	7.2	22.3	6.5	216	145.0	67.11	75.73	1	1	0	0	0	8.63	11.39280558
3359	17/12/2020	4	4.3	4.3.3.2	2300047670	996	143	64.1	30	6.7	22.2	6	201	133.2	66.27	75.76	1	1	0	0	0	9.49	12.52863407
3360	17/12/2020	4	4.3	4.3.3.2	2300047283	991	158	64.1	30	7.3	22.4	6.49	219	145.4	66.38	75.73	1	1	0	0	0	9.35	12.34235088
3361	17/12/2020	4	4.3	4.3.3.2	2300050083	992	91	38.2	30	7.1	16.9	4.99	213	84.3	39.59	75.73	1	1	1	1	1	36.14	47.7228186
3362	17/12/2020	4	4.3	4.3.3.2	2300047828	1001	155	64.8	30	7.2	22.4	6.4	216	143.4	66.37	75.79	1	1	0	0	0	9.42	12.43136466
3363	17/12/2020	4	4.3	4.3.3.2	2300050192	1001	147	60.2	30	7.3	22.1	6.52	219	144.1	65.80	75.79	1	1	0	0	0	10.00	13.18993225
3364	17/12/2020	4	4.3	4.3.3.2	2300050193	992	154	62.9	30	7.3	22.3	6.4	219	142.7	65.17	75.73	1	1	0	0	0	10.57	13.95111657
3365	17/12/2020	4	4.3	4.3.3.2	2300049908	1090	72	31.8	30	6.9	15.3	6.4	207	97.9	47.30	76.36	1	1	1	1	1	29.06	38.05250278
3366	17/12/2020	4	4.3	4.3.3.2	2300049899	889	152	60.8	30	6.4	21.7	5.6	192	121.5	63.29	75.08	1	1	1	0	0	11.78	15.69608945
3367	17/12/2020	4	4.3	4.3.3.2	2300049832	989	46	26.4	30	3.4	16.9	2.6	102	43.9	43.08	75.72	1	1	1	1	1	32.64	43.10494618
3368	17/12/2020	4	4.3	4.3.3.2	-	991	45	29.9	30	3.5	15.3	2.3	105	35.2	33.51	75.73	1	1	1	1	1	42.21	55.74409902
3369	17/12/2020	4	4.3	4.3.3.2	-	997	145	60.6	30	7.2	21.9	6.1	216	133.6	61.85	75.77	1	1	1	0	0	13.92	18.37160574
3370	17/12/2020	7	7.1	7.1.4.2	2300054162	706	48	41.6	31	4.7	15	4.1	146	61.5	42.21	73.90	1	1	1	1	1	31.69	42.88564606
3371	17/12/2020	7	7.1	7.1.4.2	2300054861	684	64	48.9	18	4.6	11.9	3.6	83	42.8	51.74	73.76	1	1	1	1	1	22.02	29.85818149
3372	17/12/2020	7	7.1	7.1.4.2	2300053994	679	44	40.6	21	4.5	16	3.6	95	57.6	60.95	73.73	1	1	1	0	0	12.78	17.33207885
3373	17/12/2020	7	7.1	7.1.4.2	2300053990	677	20	18.2	30	1.4	18.4	1	42	18.4	43.81	73.72	1	1	1	1	1	29.91	40.57211483
3374	17/12/2020	7	7.1	7.1.4.2	2300053989	663	58	43.7	30	4.7	15.9	4.09	141	65.0	46.12	73.63	1	1	1	1	1	27.51	37.36007373
3375	17/12/2020	7	7.2	7.2.3.1	2300053967	624	77	33.4	15	2.4	7.1	1.7	36	12.1	33.53	73.38	1	1	1	1	1	39.85	54.30912982
3376	17/12/2020	7	7.2	7.2.3.1	2300054166	668	121	61.7	31	4.4	21.1	3.4	136	71.7	52.60	73.66	1	1	1	1	1	21.07	28.59835583
3377	17/12/2020	7	7.2	7.2.3.1	2300054033	672	43	40.9	31	4.3	15.3	3.6	133	55.1	41.32	73.69	1	1	1	1	1	32.37	43.92437983
3378	17/12/2020	7	7.2	7.2.3.1	2300052476	668	45	42.8	31	4.2	15.2	3.7	130	56.2	43.20	73.66	1	1	1	1	1	30.47	41.35978713
3379	17/12/2020	7	7.2	7.2.3.1	2300053993	662	138	60.2	30	4.4	22.2	3.7	132	82.1	62.23	73.62	1	1	1	0	0	11.40	15.47825846
3380	17/12/2020	7	7.2	7.2.3.1	2300053840	658	22	20.3	31	4.1	7.1	3.7	127	26.3	20.67	73.60	1	1	1	1	1	52.93	71.9163708

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3381	17/12/2020	7	7.2	7.2.3.1	2300053960	658	13	34.2	30	4.06	13.3	3.2	122	42.6	34.94	73.60	1	1	1	1	1	38.65	52.5219319
3382	17/12/2020	7	7.2	7.2.3.1	2300054800	962	82	40.8	31	6.1	14.7	5.3	189	77.9	41.20	75.54	1	1	1	1	1	34.34	45.46082081
3383	17/12/2020	7	7.2	7.2.3.1	2300053978	997	136	58.5	32	6.9	22	5.8	221	127.6	57.79	75.77	1	1	1	1	0	17.98	23.72667834
3384	17/12/2020	7	7.2	7.2.3.1	2300053797	992	30	26.3	30	5.08	6.1	4.7	152	28.7	18.81	75.73	1	1	1	1	1	56.92	75.16024871
3385	17/12/2020	7	7.2	7.2.3.1	2300053987	916	44	29.9	25	5.7	12	3.2	143	38.4	26.95	75.25	1	1	1	1	1	48.30	64.18878219
3386	17/12/2020	7	7.2	7.2.3.1	2300052190	916	89	60.8	21	6.1	15.8	5.1	128	80.6	62.90	75.25	1	1	1	0	0	12.34	16.40489198
3387	17/12/2020	7	7.2	7.2.3.1	2300053995	900	97	43.9	32	5.8	19.1	4.2	186	80.2	43.22	75.15	1	1	1	1	1	31.92	42.48265675
3388	17/12/2020	7	7.2	7.2.3.1	2300052188	850	63	36.2	21	5.9	13.8	4.9	124	67.6	54.58	74.83	1	1	1	1	1	20.25	27.06242324
3389	17/12/2020	7	7.2	7.2.3.1	2300053992	562	16	36.1	30	4.5	13.9	3.6	135	50.0	37.07	72.98	1	1	1	1	1	35.92	49.21177775
3390	17/12/2020	7	7.2	7.2.3.1	2300052200	740	76	36.4	32	6.2	14.5	5.1	198	74.0	37.27	74.12	1	1	1	1	1	36.85	49.71373481
3391	17/12/2020	7	7.2	7.2.3.1	2300053964	935	127	44.4	32	6.3	22.5	4.9	202	110.3	54.69	75.37	1	1	1	1	1	20.68	27.44128964
3392	17/12/2020	7	7.2	7.2.3.1	2300052193	950	80	46.7	26	6.5	14.6	5.1	169	74.5	44.06	75.47	1	1	1	1	1	31.41	41.61718973
3393	17/12/2020	7	7.2	7.2.3.1	2300054000	954	109	46.7	32	6.8	20.3	4.6	218	93.4	42.91	75.49	1	1	1	1	1	32.58	43.15446627
3394	17/12/2020	7	7.2	7.2.3.1	2300053996	969	73	34.4	31	6.6	13.4	5.3	205	71.0	34.71	75.59	1	1	1	1	1	40.88	54.07761001
3395	17/12/2020	7	7.2	7.2.3.1	23000	979	121	40.9	32	6.5	21.2	5.3	208	112.4	54.02	75.65	1	1	1	1	1	21.63	28.59472798
3396	17/12/2020	7	7.2	7.2.3.1	2300054851	1004	83	37.3	32	4.08	14.7	5.3	131	77.9	59.67	75.81	1	1	1	1	0	16.14	21.28683046
3397	17/12/2020	7	7.2	7.2.3.1	2300054695	1015	66	30.4	31	4.5	12.2	5.1	140	62.2	44.60	75.88	1	1	1	1	1	31.28	41.22169877
3398	17/12/2020	7	7.2	7.2.3.1	2300053744	1018	27	29.3	21	6.5	9	2.8	137	25.2	18.46	75.90	1	1	1	1	1	57.44	75.67688197
3399	17/12/2020	7	7.1	7.1.4.4	2300053970	1010	83	35.6	29	6.9	13.8	5.6	200	77.3	38.62	75.85	1	1	1	1	1	37.23	49.08280863
3400	17/12/2020	7	7.1	7.1.4.4	2300053969	995	65	33.4	30	6.7	12.7	4.7	201	59.7	29.70	75.75	1	1	1	1	1	46.06	60.79874672
3401	17/12/2020	7	7.1	7.1.4.4	2300054041	897	83	34.9	32	5.7	20.3	3.2	182	65.0	35.61	75.13	1	1	1	1	1	39.51	52.59476633
3402	17/12/2020	7	7.1	7.1.4.4	2300054039	903	96	41.3	32	6.02	19.9	3.9	193	77.6	40.29	75.17	1	1	1	1	1	34.88	46.4012827
3403	17/12/2020	7	7.1	7.1.4.4	2300054029	662	88	33.9	31	4.6	18.8	2.6	143	48.9	34.28	73.62	1	1	1	1	1	39.35	53.44146126
3404	17/12/2020	7	7.1	7.1.4.4	2300054051	913	70	33.4	31	6.05	13.3	4.6	188	61.2	32.62	75.23	1	1	1	1	1	42.61	56.63833392
3405	17/12/2020	7	7.1	7.1.4.4	2300053963	915	45	32.5	24	5.2	12.5	3.3	125	41.3	33.05	75.24	1	1	1	1	1	42.19	56.07123068
3406	17/12/2020	7	7.1	7.1.4.4	2300054024	902	65	41	32	5.3	15.4	4.6	170	70.8	41.77	75.16	1	1	1	1	1	33.39	44.42584511
3407	17/12/2020	7	7.1	7.1.4.4	2300054044	914	53	41	21	5.4	12.9	4.09	113	52.8	46.53	75.24	1	1	1	1	1	28.71	38.15898986
3408	17/12/2020	7	7.1	7.1.4.4	2300053962	912	136	51.1	32	6.7	23	4.9	214	112.7	52.57	75.22	1	1	1	1	1	22.66	30.12052395
3409	17/12/2020	7	7.1	7.1.4.4	2300054012	930	50	30.8	30	5.6	12.2	4.3	168	52.5	31.23	75.34	1	1	1	1	1	44.11	58.55187226
3410	17/12/2020	7	7.1	7.1.4.4	2300053956	929	35	27.5	28	5.1	10.6	3.6	143	38.2	26.72	75.33	1	1	1	1	1	48.61	64.52658768

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3411	17/12/2020	7	7.1	7.1.4.4	2300054173	951	101	59.4	22	6.7	15.7	5.8	147	91.1	61.78	75.47	1	1	1	0	0	13.69	18.14560521
3412	17/12/2020	7	7.1	7.1.4.4	2300054164	961	47	30.3	31	6.02	12.5	4.5	187	56.3	30.14	75.54	1	1	1	1	1	45.39	60.09676932
3413	17/12/2020	7	7.1	7.1.4.4	2300054140	954	25	42.6	12	4.01	11.9	2.9	48	34.5	71.72	75.49	1	0	0	0	0	3.78	5.000633212
3414	17/12/2020	7	7.1	7.1.4.4	2300054152	935	52	37.6	25	4.8	13.1	3.3	120	43.2	36.03	75.37	1	1	1	1	1	39.35	52.20246783
3415	17/12/2020	7	7.1	7.1.4.4	2300054171	924	124	51.6	31	6.5	21.3	5.04	202	107.4	53.28	75.30	1	1	1	1	1	22.02	29.24739733
3416	17/12/2020	7	7.1	7.1.4.4	2300054135	693	69	43.5	26	5.6	14	4.6	146	64.4	44.23	73.82	1	1	1	1	1	29.59	40.08392002
3417	17/12/2020	7	7.1	7.1.4.4	2300054172	916	41	25.7	30	5.8	11.9	3.9	174	46.4	26.67	75.25	1	1	1	1	1	48.58	64.55417817
3418	17/12/2020	7	7.1	7.1.4.4	2300054176	504	57	52.7	31	3.6	14	3.1	112	43.4	38.89	72.61	1	1	1	1	1	33.72	46.44259472
3419	17/12/2020	7	7.1	7.1.4.4	2300054033	962	95	49.9	32	6.9	15	5.9	221	88.5	40.08	75.54	1	1	1	1	1	35.46	46.94196967
3420	17/12/2020	7	7.1	7.1.4.4	2300053961	1002	63	48.5	32	6.4	10.6	5.6	205	59.4	28.98	75.80	1	1	1	1	1	46.81	61.7614329
3421	17/12/2020	7	7.1	7.1.4.4	2300053976	989	80	57.3	21	6.7	15.5	5.7	141	88.4	62.79	75.72	1	1	1	0	0	12.92	17.06705491
3422	17/12/2020	7	7.1	7.1.4.4	2300053938	986	63	31.4	31	6.02	12.6	4.7	187	59.2	31.73	75.70	1	1	1	1	1	43.96	58.07867582
3423	17/12/2020	7	7.1	7.1.4.3	2300051448	978	20	20.4	30	2.4	20.4	2.9	72	59.2	82.17	75.65	1	0	0	0	0	-6.52	-8.621124231
3424	17/12/2020	7	7.1	7.1.4.3	2300051680	958	93	45.8	22	6.4	15.7	5.2	141	81.6	57.98	75.52	1	1	1	1	0	17.53	23.21887657
3425	17/12/2020	7	7.1	7.1.4.3	2300051469	985	105	63.4	20	5.2	15.4	4.5	104	69.3	66.63	75.69	1	1	0	0	0	9.06	11.96377938
3426	17/12/2020	7	7.1	7.1.4.3	-	976	42	31.3	21	6.04	7.4	5.4	127	40.0	31.50	75.63	1	1	1	1	1	44.13	58.34555385
3427	17/12/2020	7	7.1	7.1.4.3	2300051683	991	26	57.5	18	4.4	15.4	3.1	79	47.7	60.28	75.73	1	1	1	1	0	15.45	20.40267881
3428	17/12/2020	7	7.1	7.1.4.3	2300051679	1040	131	53	31	7.03	21.7	5.5	218	119.4	54.77	76.04	1	1	1	1	1	21.28	27.98020619
3429	17/12/2020	7	7.1	7.1.4.3	2300053027	515	7	39.6	32	5.2	11.4	4.4	166	50.2	30.14	72.68	1	1	1	1	1	42.54	58.52586504
3430	17/12/2020	7	7.1	7.1.4.3	2300047920	772	91	62.5	31	3.7	15.1	3.2	115	48.3	42.13	74.33	1	1	1	1	1	32.20	43.321536
3431	18/12/2020	7	7.1	7.1.4.3	2300053037	970	35	34.1	21	4.9	22.8	4.1	103	93.5	90.85	75.59	1	1	1	1	0	-15.25	-20.17551796
3432	18/12/2020	7	7.1	7.1.4.3	230003666	973	89	58	21	6.5	14.7	5.5	137	80.9	59.23	75.61	1	1	1	1	0	16.38	21.666099
3433	18/12/2020	7	7.1	7.1.4.3	-	1023	97	40.2	32	6.9	17.4	5.5	221	95.7	43.34	75.93	1	1	1	1	1	32.59	42.92036776
3434	18/12/2020	7	7.1	7.1.4.3	2300053667	1015	102	40.7	32	7.3	17.3	5.6	234	96.9	41.47	75.88	1	1	1	1	1	34.41	45.34592823
3435	18/12/2020	7	7.1	7.1.4.3	2300052317	1015	95	37.9	31	7.3	14	6.3	226	88.2	38.97	75.88	1	1	1	1	1	36.91	48.6376055
3436	18/12/2020	7	7.1	7.1.4.3	2300052987	1028	108	43.3	32	7.3	15.3	6.5	234	99.5	42.57	75.97	1	1	1	1	1	33.39	43.95753059
3437	18/12/2020	7	7.1	7.1.4.3	2300052993	837	36	60.1	30	4.4	25.7	3.3	132	84.8	64.25	74.74	1	1	0	0	0	10.49	14.03854284
3438	18/12/2020	7	7.1	7.1.4.3	2300052986	872	82	40.1	32	6.1	15.7	5.02	195	78.8	40.38	74.97	1	1	1	1	1	34.59	46.14145917
3439	18/12/2020	7	7.1	7.1.4.3	2300052143	1044	12	39.1	14	2.2	8.5	1.4	31	11.9	38.64	76.07	1	1	1	1	1	37.43	49.2078577
3440	18/12/2020	7	7.1	7.1.4.3	2300052960	883	94	45.7	32	6.5	16.4	5.4	208	88.6	42.58	75.04	1	1	1	1	1	32.46	43.25891281

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3441	18/12/2020	7	7.1	7.1.4.3	-	1032	121	50.4	31	7.2	21	5.5	223	115.5	51.75	75.99	1	1	1	1	1	24.24	31.90318851
3442	18/12/2020	7	7.1	7.1.4.3	2300052350	981	114	51.8	31	6.7	21.8	5.08	208	110.7	53.32	75.66	1	1	1	1	1	22.35	29.53197224
3443	18/12/2020	7	7.1	7.1.4.3	-	979	53	41.4	21	5.3	11.4	4.3	111	49.0	44.04	75.65	1	1	1	1	1	31.61	41.78163227
3444	18/12/2020	7	7.1	7.1.4.3	2300052954	986	73	42.5	25	6.2	26.3	4.3	155	113.1	72.96	75.70	0	0	0	0	0	2.74	3.613262556
3445	18/12/2020	7	7.1	7.1.4.3	2300052025	1006	54	42.3	30	5.9	12.5	4.2	177	52.5	29.66	75.82	1	1	1	1	1	46.16	60.88196287
3446	18/12/2020	7	7.1	7.1.4.3	2300052020	818	71	40	33	5.8	15	5.07	191	76.1	39.73	74.62	1	1	1	1	1	34.89	46.75301078
3447	18/12/2020	7	7.2	7.2.4.4	2300053044	972	26	29.3	30	3.7	13.8	1.6	111	22.1	19.89	75.61	1	1	1	1	1	55.71	73.69034017
3448	18/12/2020	7	7.2	7.2.4.4	2300053719	975	90	41.2	21	6.4	13.5	4.4	134	59.4	44.20	75.63	1	1	1	1	1	31.43	41.55921433
3449	18/12/2020	7	7.2	7.2.4.4	2300056560	677	26	29.6	31	4.03	12.6	3.07	125	38.7	30.96	73.72	1	1	1	1	1	42.76	57.99858483
3450	18/12/2020	7	7.2	7.2.4.4	2300053723	753	16	27.8	31	4.6	12.6	3.3	143	41.6	29.16	74.21	1	1	1	1	1	45.05	60.70560382
3451	18/12/2020	7	7.2	7.2.4.4	2300053717	786	11	34	32	3.5	14	2.6	112	36.4	32.50	74.42	1	1	1	1	1	41.92	56.32683118
3452	18/12/2020	7	7.2	7.2.4.4	2300046561	690	13.6	27.4	31	4.6	12.1	3.3	143	39.9	28.00	73.80	1	1	1	1	1	45.80	62.05874837
3453	18/12/2020	7	7.2	7.2.4.4	2300053712	775	69	41	32	5.1	15.3	4.4	163	67.3	41.25	74.35	1	1	1	1	1	33.10	44.5161811
3454	18/12/2020	7	7.2	7.2.3.2	2300051787	704	25	29.2	30	4.7	12.3	3.5	141	43.1	30.53	73.89	1	1	1	1	1	43.36	58.68012752
3455	18/12/2020	7	7.2	7.2.3.2	2300053753	789	49	34.9	31	5.5	14.2	4.3	171	61.1	35.81	74.44	1	1	1	1	1	38.62	51.88818695
3456	18/12/2020	7	7.2	7.2.3.2	2300051676	809	92	44.3	32	5.1	19.2	3.8	163	73.0	44.71	74.56	1	1	1	1	1	29.86	40.04328875
3457	18/12/2020	7	7.2	7.2.3.2	2300053756	820	89	51.2	32	5.6	15	4.8	179	72.0	40.18	74.63	1	1	1	1	1	34.46	46.16586083
3458	18/12/2020	7	7.2	7.2.3.2	2300053747	822	78	36.2	31	5.3	18.2	3.4	164	61.9	37.66	74.65	1	1	1	1	1	36.98	49.54530947
3459	18/12/2020	7	7.2	7.2.3.2	2300053757	824	91	36.2	29	5.3	15.7	4.5	154	70.7	45.97	74.66	1	1	1	1	1	28.69	38.43234111
3460	18/12/2020	7	7.2	7.2.3.2	2300052002	825	115	59.6	22	5.5	20.8	4.3	121	89.4	73.92	74.67	0	0	0	0	0	0.75	1.002658008
3461	18/12/2020	7	7.2	7.2.3.2	2300053708	826	69	51.4	31	5.2	15.7	4.4	161	69.1	42.85	74.67	1	1	1	1	1	31.82	42.61119501
3462	18/12/2020	7	7.2	7.2.3.2	23000	837	69	41.3	30	5	14.9	4.9	150	73.0	48.67	74.74	1	1	1	1	1	26.07	34.87890026
3463	18/12/2020	7	7.2	7.2.3.2	2300053171	839	57	39.5	31	4.8	12.9	3.8	149	49.0	32.94	74.76	1	1	1	1	1	41.81	55.9316648
3464	18/12/2020	7	7.2	7.2.3.2	2300053747	948	122	46.8	22	5.6	22.1	3.9	123	86.2	69.96	75.45	1	0	0	0	0	5.49	7.281048936
3465	18/12/2020	7	7.2	7.2.3.2	2300053746	955	20	20.1	32	1.4	20.2	1	45	20.2	45.09	75.50	1	1	1	1	1	30.41	40.27750972
3466	18/12/2020	7	7.2	7.2.3.2	2300053740	825	89	62.8	32	6.2	15.3	5.4	198	82.6	41.64	74.67	1	1	1	1	1	33.02	44.22743262
3467	18/12/2020	7	7.2	7.2.3.2	2300053741	518	18	20.4	32	1.9	18.9	1.4	61	26.5	43.52	72.70	1	1	1	1	1	29.18	40.13890164
3468	18/12/2020	7	7.2	7.2.3.2	23000	580	46	40.1	22	4.5	12.3	3.3	99	40.6	41.00	73.10	1	1	1	1	1	32.10	43.91091412
3469	18/12/2020	7	7.2	7.2.3.2	2300052982	995	23	28.5	28	4.3	11.5	3.1	120	35.7	29.61	75.75	1	1	1	1	1	46.14	60.91343751
3470	18/12/2020	7	7.2	7.2.3.2	2300053736	822	47	35.2	30	5.01	13.4	4.07	150	54.5	36.29	74.65	1	1	1	1	1	38.36	51.38961821

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3471	18/12/2020	7	7.2	7.2.3.2	2300053728	838	82	41.7	31	5.2	18.2	3.7	161	67.3	41.77	74.75	1	1	1	1	1	32.98	44.11419313
3472	18/12/2020	7	7.2	7.2.3.2	2300053759	835	47	41.2	22	4.6	12.1	3.5	101	42.4	41.85	74.73	1	1	1	1	1	32.88	44.00130324
3473	18/12/2020	7	7.2	7.2.3.2	2300052956	847	48	34.2	30	5.2	13.1	4.2	156	55.0	35.27	74.81	1	1	1	1	1	39.54	52.85290807
3474	18/12/2020	7	7.2	7.2.3.2	2300053742	854	36	28.3	30	5.2	11.9	3.7	156	44.0	28.22	74.85	1	1	1	1	1	46.63	62.29291161
3475	18/12/2020	7	7.2	7.2.3.2	2300052959	831	69	35.8	31	5.9	13.8	4.9	183	67.6	36.97	74.70	1	1	1	1	1	37.73	50.51024783
3476	18/12/2020	7	7.2	7.2.3.2	2300053743	886	25	35.9	19	3.6	9.4	2.6	68	24.4	35.73	75.06	1	1	1	1	1	39.33	52.39447382
3477	18/12/2020	7	7.2	7.2.3.2	2300053695	881	63	34.8	31	6.05	13.5	4.8	188	64.8	34.55	75.02	1	1	1	1	1	40.47	53.94726721
3478	18/12/2020	7	7.2	7.2.3.4	2300053753	885	35	28.6	30	4.8	11.7	3.6	144	42.1	29.25	75.05	1	1	1	1	1	45.80	61.02598268
3479	18/12/2020	7	7.2	7.2.3.4	2300054868	867	96	44.7	30	5.5	19.7	3.9	165	76.8	46.56	74.93	1	1	1	1	1	28.37	37.86113213
3480	18/12/2020	7	7.2	7.2.3.4	2300053754	871	41	33	30	4.5	22.4	3.5	135	78.4	58.07	74.96	1	1	1	1	0	16.89	22.52699549
3481	18/12/2020	7	7.2	7.2.3.4	2300054870	616	130	61.5	30	6.1	22.4	5.3	183	118.7	64.87	73.33	1	1	0	0	0	8.45	11.52907067
3482	18/12/2020	7	7.2	7.2.3.4	2300051618	880	82	39.9	32	6.3	14.8	5.4	202	79.9	39.64	75.02	1	1	1	1	1	35.38	47.15553981
3483	18/12/2020	7	7.2	7.2.3.4	2300053999	889	113	50.3	31	5.9	20.2	4.7	183	94.9	51.91	75.08	1	1	1	1	1	23.17	30.85883226
3484	18/12/2020	7	7.2	7.2.3.4	2300053760	869	89	62	21	6.2	14.9	5.5	130	82.0	62.94	74.95	1	1	1	0	0	12.01	16.01915436
3485	18/12/2020	7	7.2	7.2.3.4	2300054001	847	22	24.7	30	3.8	11.6	2.6	114	30.2	26.46	74.81	1	1	1	1	1	48.35	64.63404349
3486	18/12/2020	7	7.2	7.2.3.4	2300052667	890	87	42	32	6.2	15.23	5.5	198	83.8	42.22	75.08	1	1	1	1	1	32.86	43.76779775
3487	18/12/2020	7	7.2	7.2.3.4	2300053730	989	65	32.4	30	6.1	12.5	4.8	183	60.0	32.79	75.72	1	1	1	1	1	42.93	56.69731833
3488	18/12/2020	7	7.2	7.2.3.4	2300053762	960	58	32.6	29	5.6	13	4.2	162	54.6	33.62	75.53	1	1	1	1	1	41.91	55.48697252
3489	18/12/2020	7	7.2	7.2.3.4	2300051631	1007	7	5.9	26	5.7	12.4	4.5	148	55.8	37.65	75.83	1	1	1	1	1	38.18	50.34758718
3490	18/12/2020	7	7.2	7.2.3.4	2300052972	1009	77	36.2	32	6.2	14.3	5.1	198	72.9	36.76	75.84	1	1	1	1	1	39.08	51.53305937
3491	18/12/2020	7	7.2	7.2.3.4	2300053758	867	77	50.8	22	6.4	13.6	5.3	141	72.1	51.19	74.93	1	1	1	1	1	23.74	31.68303403
3492	18/12/2020	7	7.2	7.2.3.4	2300052958	529	57	30.3	31	5.6	12.9	4.3	174	55.5	31.95	72.77	1	1	1	1	1	40.82	56.09171026
3493	18/12/2020	7	7.2	7.2.3.4	2300051677	530	54	29.3	30	5.5	12	4.2	165	50.4	30.55	72.78	1	1	1	1	1	42.23	58.02927458
3494	18/12/2020	7	7.2	7.2.3.4	2300053739	983	52	29.1	31	5.4	11.8	4.8	167	56.6	33.84	75.68	1	1	1	1	1	41.84	55.2901991
3495	18/12/2020	7	7.2	7.2.3.4	2300051998	996	63	36	30	5.9	14.4	4.7	177	67.7	38.24	75.76	1	1	1	1	1	37.52	49.52866123
3496	18/12/2020	7	7.2	7.2.3.4	2300053751	992	65	39.4	25	5.9	12.7	4.8	148	61.0	41.33	75.73	1	1	1	1	1	34.41	45.42956004
3497	18/12/2020	7	7.2	7.2.3.4	2300053747	997	86	36.8	30	6.9	14	5.7	207	79.8	38.55	75.77	1	1	1	1	1	37.22	49.11923872
3498	18/12/2020	7	7.2	7.2.3.4	2300053761	989	118	49.2	30	6.9	21.6	5.04	207	108.9	52.59	75.72	1	1	1	1	1	23.12	30.54099241
3499	18/12/2020	7	7.2	7.2.3.4	2300052966	1027	92	38.2	31	6.9	19.5	4.3	214	83.9	39.20	75.96	1	1	1	1	1	36.76	48.39233768
3500	18/12/2020	7	7.2	7.2.3.4	2300053678	974	78	56	31	6.4	14	5.2	198	72.8	36.69	75.62	1	1	1	1	1	38.93	51.47614059

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3501	18/12/2020	7	7.2	7.2.4.2	2300054736	947	126	53	31	6.4	21	5.2	198	109.2	55.04	75.45	1	1	1	1	1	20.41	27.04750555
3502	18/12/2020	7	7.2	7.2.4.2	23000	941	77	50.7	21	3.5	13.9	2.7	74	37.5	51.06	75.41	1	1	1	1	1	24.35	32.28708673
3503	18/12/2020	7	7.2	7.2.4.2	2300054665	996	93	39.1	31	6	14.5	5.9	186	85.6	45.99	75.76	1	1	1	1	1	29.77	39.28936007
3504	18/12/2020	7	7.2	7.2.4.2	2300046559	762	26	29.2	20	5	6	5.03	100	30.2	30.18	74.26	1	1	1	1	1	44.08	59.36054121
3505	18/12/2020	7	7.2	7.2.4.2	2300047954	753	16	70.1	30	2.9	23.7	2.6	87	61.6	70.83	74.21	0	0	0	0	0	3.38	4.551721164
3506	18/12/2020	7	7.2	7.2.4.2	23000	590	39	34.2	31	4.8	14	3.8	149	53.2	35.75	73.16	1	1	1	1	1	37.41	51.13216127
3507	18/12/2020	7	7.2	7.2.4.2	2300055094	770	116	25.9	30	3.7	11.8	2.4	111	28.3	25.51	74.31	1	1	1	1	1	48.80	65.66795824
3508	18/12/2020	7	7.2	7.2.4.2	2300044048	725	28	32.6	32	5.05	13.5	3.8	162	51.3	31.75	74.03	1	1	1	1	1	42.28	57.11635168
3509	18/12/2020	7	7.2	7.2.4.2	2300054655	717	11	31.1	31	4.1	12.6	3.2	127	40.3	31.72	73.97	1	1	1	1	1	42.25	57.11640624
3510	18/12/2020	7	7.2	7.2.4.2	2300054615	544	17	32.7	32	4.4	13.7	3.3	141	45.2	32.11	72.87	1	1	1	1	1	40.76	55.9346335
3511	18/12/2020	7	7.2	7.2.4.2	2300046443	712	14	28.3	32	3.7	11.9	2.8	118	33.3	28.14	73.94	1	1	1	1	1	45.80	61.94099778
3512	18/12/2020	7	7.2	7.2.4.2	2300054656	608	64	51.4	25	4.1	14.4	3.6	103	51.8	50.58	73.28	1	1	1	1	1	22.70	30.98042808
3513	18/12/2020	7	7.2	7.2.4.2	2300038388	701	69	31.9	32	4.3	18	2.4	138	43.2	31.40	73.87	1	1	1	1	1	42.48	57.50057012
3514	18/12/2020	7	7.2	7.2.4.2	2300041346	729	19	31.2	33	4.8	12.6	3.7	158	46.6	29.43	74.05	1	1	1	1	1	44.62	60.25498682
3515	18/12/2020	7	7.2	7.2.4.2	2300035105	722	82	53.9	21	5.1	14	4.2	107	58.8	54.90	74.01	1	1	1	1	1	19.10	25.8149781
3516	18/12/2020	7	7.2	7.2.4.2	2300035318	712	90	40.5	32	4.7	18.8	3.2	150	60.2	40.00	73.94	1	1	1	1	1	33.94	45.9041313
3517	18/12/2020	7	7.2	7.2.4.2	2300055076	705	61	47.8	21	4.3	13	3.3	90	42.9	47.51	73.90	1	1	1	1	1	26.39	35.71097236
3518	18/12/2020	7	7.2	7.2.4.2	2300055089	691	25	35.7	21	4.2	13.6	3.5	88	47.6	53.97	73.81	1	1	1	1	1	19.84	26.88060713
3519	18/12/2020	7	7.2	7.2.4.2	23000	687	136	43.6	31	4.4	22.4	3.3	136	73.9	54.19	73.78	1	1	1	1	1	19.59	26.54988915
3520	18/12/2020	7	7.2	7.2.4.2	2300053768	682	80	58.6	21	4	14.5	3.5	84	50.8	60.42	73.75	1	1	1	0	0	13.33	18.07998467
3521	18/12/2020	7	7.2	7.2.4.2	2300053705	665	35	38.6	31	4.4	14.3	3.7	136	52.9	38.79	73.64	1	1	1	1	1	34.85	47.325816
3522	18/12/2020	7	7.2	7.2.4.2	2300053727	667	56	47.9	21	4.1	12.5	3.2	86	40.0	46.46	73.65	1	1	1	1	1	27.20	36.92521406
3523	18/12/2020	7	7.2	7.2.4.2	2300053721	666	96	41.4	31	4.4	18.8	3.05	136	57.3	42.04	73.65	1	1	1	1	1	31.61	42.92052079
3524	18/12/2020	7	7.2	7.2.4.2	2300053700	706	16	20.4	30	2.4	20.2	2.1	72	42.4	58.92	73.90	1	1	1	1	0	14.99	20.27989312
3525	18/12/2020	4	4.4	4.4.5.4	2300034661	958	105	0.636	16.7	6.90	16.7	6.28	115	104.9	91.01	75.52	1	1	1	1	0	-15.50	-20.52154046
3526	18/12/2020	4	4.4	4.4.5.4	2300044256	939	106	0.625	16.2	7.06	16.2	6.52	114	105.6	92.35	75.40	1	1	1	1	0	-16.96	-22.4889447
3527	18/12/2020	4	4.4	4.4.5.4	2300040691	934	86	0.381	13.6	6.29	13.6	6.34	86	86.2	100.79	75.36	1	1	1	1	1	-25.43	-33.74482185
3528	18/12/2020	4	4.4	4.4.5.4	2300044201	819	25	0.859	9.8	2.58	9.8	2.59	25	25.4	100.39	74.63	1	1	1	1	1	-25.76	-34.51805619
3529	18/12/2020	4	4.4	4.4.5.4	2300044077	841	100	0.442	15.7	6.69	15.7	6.39	105	100.3	95.52	74.77	1	1	1	1	1	-20.75	-27.74874822
3530	18/12/2020	4	4.4	4.4.5.4	2300044072	742	116	0.454	19.2	7.35	19.2	6.04	141	116.0	82.18	74.13	1	1	0	0	0	-8.04	-10.8479024

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3531	18/12/2020	4	4.4	4.4.5.4	2300044091	819	138	0.578	22.6	6.86	22.6	6.11	155	138.1	89.07	74.63	1	1	1	0	0	-14.44	-19.34867984
3532	18/12/2020	4	4.4	4.4.5.4	2300042819	812	131	0.510	20.9	7.29	20.9	6.29	152	131.5	86.28	74.58	1	1	1	0	0	-11.70	-15.68696653
3533	18/12/2020	4	4.4	4.4.5.4	2300034297	956	99	0.510	15.7	6.73	15.7	6.31	106	99.1	93.76	75.50	1	1	1	1	0	-18.25	-24.17724898
3534	18/12/2020	4	4.4	4.4.5.4	2300042823	930	112	0.642	16.1	7.44	16.1	6.91	120	111.3	92.88	75.34	1	1	1	1	0	-17.54	-23.27954563
3535	18/12/2020	4	4.4	4.4.5.4	2300034597	872	105	0.653	16.2	6.99	16.2	6.47	113	104.8	92.56	74.97	1	1	1	1	0	-17.59	-23.46905716
3536	18/12/2020	4	4.4	4.4.5.4	2300044100	852	113	0.445	16.8	7.37	16.8	6.72	124	112.9	91.18	74.84	1	1	1	1	0	-16.34	-21.83581422
3537	18/12/2020	4	4.4	4.4.5.4	2300046271	933	103	0.639	17.0	6.81	17.0	6.03	116	102.5	88.55	75.36	1	1	1	0	0	-13.19	-17.50205091
3538	18/12/2020	4	4.4	4.4.5.4	2300046276	946	109	0.480	16.0	7.24	16.0	6.83	116	109.3	94.34	75.44	1	1	1	1	1	-18.90	-25.04840453
3539	18/12/2020	4	4.4	4.4.5.4	2300046232	936	107	0.419	15.8	7.18	15.8	6.75	113	106.7	94.01	75.38	1	1	1	1	0	-18.63	-24.72225002
3540	18/12/2020	4	4.4	4.4.5.4	2300046234	717	125	0.654	17.4	7.54	17.4	7.21	131	125.5	95.62	73.97	1	1	1	1	1	-21.65	-29.26475256
3541	18/12/2020	4	4.4	4.4.5.4	2300046301	706	67	0.378	14.0	5.17	14.0	4.77	72	66.8	92.26	73.90	1	1	1	1	0	-18.36	-24.84108672
3542	18/12/2020	4	4.4	4.4.5.4	2300045876	739	11	0.588	8.4	1.27	8.4	1.28	11	10.8	100.79	74.12	1	1	1	1	1	-26.67	-35.98675795
3543	18/12/2020	4	4.4	4.4.5.4	2300046372	744	23	0.728	10.3	2.19	10.3	2.20	23	22.7	100.46	74.15	1	1	1	1	1	-26.31	-35.48195896
3544	18/12/2020	4	4.4	4.4.5.4	2300046365	704	26	0.813	10.0	2.59	10.0	2.60	26	26.0	100.39	73.89	1	1	1	1	1	-26.49	-35.85590295
3545	18/12/2020	4	4.4	4.4.5.4	2300046303	769	109	0.492	19.5	6.31	19.5	5.58	123	108.8	88.43	74.31	1	1	1	0	0	-14.12	-19.00675275
3546	18/12/2020	4	4.4	4.4.5.4	2300046362	751	45	0.598	10.9	4.12	10.9	4.13	45	45.0	100.24	74.19	1	1	1	1	1	-26.05	-35.11184225
3547	18/12/2020	4	4.4	4.4.5.4	2300038189	785	35	0.763	10.4	3.35	10.4	3.37	35	35.0	100.60	74.41	1	1	1	1	1	-26.19	-35.19287048
3548	18/12/2020	4	4.4	4.4.5.4	2300041064	780	117	0.631	16.8	7.50	16.8	6.97	126	117.1	92.93	74.38	1	1	1	1	0	-18.56	-24.94734106
3549	18/12/2020	4	4.4	4.4.5.1	2300048666	773	69	0.627	12.3	5.62	12.3	5.64	69	69.4	100.36	74.33	1	1	1	1	1	-26.02	-35.00814157
3550	18/12/2020	4	4.4	4.4.5.1	2300042910	846	116	0.640	16.1	7.83	16.1	7.24	126	116.6	92.46	74.80	1	1	1	1	0	-17.66	-23.61548691
3551	18/12/2020	4	4.4	4.4.5.1	2300042904	825	20	0.858	10.8	2.06	9.4	2.07	22	19.5	87.46	74.67	1	1	1	0	0	-12.79	-17.13436762
3552	18/12/2020	4	4.4	4.4.5.1	2300043341	832	92	0.511	33.4	5.28	20.8	4.43	176	92.1	52.25	74.71	1	1	1	1	1	22.46	30.06359808
3553	18/12/2020	4	4.4	4.4.5.1	2300044737	875	107	0.641	22.3	7.28	15.8	6.76	162	106.8	65.79	74.99	1	1	0	0	0	9.19	12.26207624
3554	18/12/2020	4	4.4	4.4.5.1	23000	862	132	0.563	33.2	6.87	21.9	6.02	228	131.8	57.80	74.90	1	1	1	1	0	17.10	22.8301364
3555	18/12/2020	4	4.4	4.4.5.1	23000	913	95	0.504	27.1	6.80	15.0	6.34	184	95.1	51.61	75.23	1	1	1	1	1	23.62	31.40130248
3556	18/12/2020	4	4.4	4.4.5.1	23000	904	105	0.630	22.7	7.13	15.8	6.60	162	104.3	64.43	75.17	1	1	0	0	0	10.74	14.28993167
3557	18/12/2020	4	4.4	4.4.5.1	23000	885	111	0.640	22.4	7.55	15.9	6.99	169	111.1	65.72	75.05	1	1	0	0	0	9.33	12.43538682
3558	18/12/2020	4	4.4	4.4.5.1	2300043509	826	111	0.657	23.1	7.12	16.8	6.61	164	111.0	67.52	74.67	1	0	0	0	0	7.15	9.581216911
3559	18/12/2020	4	4.4	4.4.5.1	2300042902	833	87	0.683	22.1	5.64	16.4	5.33	125	87.4	70.13	74.72	1	0	0	0	0	4.59	6.140315313
3560	18/12/2020	4	4.4	4.4.5.1	2300043498	905	137	0.522	33.8	7.58	24.1	5.70	256	137.4	53.62	75.18	1	1	1	1	1	21.56	28.67936117

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3561	18/12/2020	4	4.4	4.4.5.1	2300043260	901	104	0.642	22.5	7.00	16.2	6.44	158	104.3	66.24	75.15	1	1	0	0	0	8.91	11.8591023
3562	18/12/2020	4	4.4	4.4.5.1	2300043508	824	110	0.663	22.6	7.22	16.5	6.69	163	110.4	67.65	74.66	1	0	0	0	0	7.01	9.389450018
3563	18/12/2020	4	4.4	4.4.5.1	23000	980	109	0.640	22.9	7.29	16.1	6.79	167	109.3	65.48	75.66	1	1	0	0	0	10.17	13.44786543
3564	18/12/2020	4	4.4	4.4.5.1	2300037378	923	110	0.433	34.1	7.27	16.2	6.79	248	110.0	44.37	75.29	1	1	1	1	1	30.92	41.06948402
3565	18/12/2020	4	4.4	4.4.5.1	2300042912	924	105	0.636	22.9	7.03	16.2	6.48	161	105.0	65.21	75.30	1	1	0	0	0	10.09	13.40226284
3566	18/12/2020	4	4.4	4.4.5.1	2300042916	875	94	0.610	22.4	6.72	14.9	6.32	151	94.2	62.56	74.99	1	1	1	0	0	12.43	16.57314581
3567	18/12/2020	4	4.4	4.4.5.1	2300057377	887	102	0.642	22.4	6.92	15.9	6.41	155	101.9	65.75	75.06	1	1	0	0	0	9.31	12.40561242
3568	18/12/2020	4	4.4	4.4.5.1	2300042915	933	127	0.598	33.9	6.12	25.7	4.93	207	126.7	61.07	75.36	1	1	1	0	0	14.29	18.95911613
3569	18/12/2020	4	4.4	4.4.5.1	2300044772	904	105	0.636	22.6	7.11	16.0	6.57	161	105.1	65.42	75.17	1	1	0	0	0	9.75	12.9730991
3570	18/12/2020	4	4.4	4.4.5.1	2300044226	793	108	0.667	22.9	6.87	16.7	6.46	157	107.9	68.57	74.46	1	0	0	0	0	5.89	7.906974949
3571	18/12/2020	4	4.4	4.4.5.1	2300044718	838	132	0.522	34.5	7.14	24.8	5.31	246	131.7	53.46	74.75	1	1	1	1	1	21.29	28.4808497
3572	18/12/2020	4	4.4	4.4.5.3	2300042906	757	105	0.414	34.0	7.24	15.1	6.95	246	104.9	42.63	74.23	1	1	1	1	1	31.60	42.56718178
3573	18/12/2020	4	4.4	4.4.5.3	2300043324	1,016	37	0.527	21.8	3.11	12.7	2.89	68	36.7	54.14	75.89	1	1	1	1	1	21.75	28.66391278
3574	18/12/2020	4	4.4	4.4.5.3	2300043510	845	88	0.652	23.0	5.70	17.1	5.13	131	87.7	66.91	74.79	1	1	0	0	0	7.88	10.53688334
3575	18/12/2020	4	4.4	4.4.5.3	2300043257	919	49	0.612	17.5	4.45	11.0	4.48	78	49.3	63.28	75.27	1	1	1	0	0	11.99	15.92544617
3576	18/12/2020	4	4.4	4.4.5.3	2300044281	828	121	0.554	32.0	6.67	21.7	5.58	213	121.1	56.73	74.69	1	1	1	1	0	17.95	24.04024204
3577	18/12/2020	4	4.4	4.4.5.3	2300044935	824	103	0.629	22.7	7.04	16.3	6.31	160	102.9	64.36	74.66	1	1	0	0	0	10.30	13.79493404
3578	18/12/2020	4	4.4	4.4.5.3	2300044381	836	62	0.671	23.0	3.91	13.6	4.54	90	61.7	68.66	74.74	1	0	0	0	0	6.08	8.133325942
3579	18/12/2020	4	4.4	4.4.5.3	2300042907	881	115	0.670	23.5	7.10	17.3	6.66	167	115.2	69.05	75.02	1	0	0	0	0	5.97	7.956825144
3580	18/12/2020	4	4.4	4.4.5.3	2300044262	877	30	0.511	21.3	2.64	13.1	2.26	56	29.6	52.65	75.00	1	1	1	1	1	22.35	29.79922771
3581	18/12/2020	4	4.4	4.4.5.3	2300044102	1,013	117	0.654	23.4	7.42	16.7	7.00	174	116.9	67.33	75.87	1	1	0	0	0	8.54	11.25799356
3582	18/12/2020	4	4.4	4.4.5.3	2300043315	1,020	12	0.818	10.8	1.30	9.0	1.31	14	11.8	83.97	75.91	1	1	0	0	0	-8.06	-10.61775032
3583	18/12/2020	4	4.4	4.4.5.3	2300044092	730	117	0.447	33.5	7.62	16.7	7.02	255	117.2	45.93	74.06	1	1	1	1	1	28.13	37.98713082
3584	18/12/2020	4	4.4	4.4.5.3	2300044099	943	117	0.437	33.9	7.69	16.3	7.20	261	117.4	45.02	75.42	1	1	1	1	1	30.40	40.31013113
3585	18/12/2020	4	4.4	4.4.5.3	2300044103	741	108	0.412	33.9	7.51	15.5	6.97	255	108.0	42.44	74.13	1	1	1	1	1	31.69	42.75465004
3586	18/12/2020	4	4.4	4.4.5.3	2300043507	794	132	0.514	33.9	7.34	20.6	6.40	249	131.8	52.98	74.47	1	1	1	1	1	21.48	28.84849693
3587	18/12/2020	4	4.4	4.4.5.3	2300044088	831	106	0.415	34.1	7.25	15.7	6.74	247	105.8	42.80	74.70	1	1	1	1	1	31.90	42.7044383
3588	18/12/2020	4	4.4	4.4.5.3	230004497	902	112	0.629	22.8	7.56	15.9	7.04	172	111.9	64.94	75.16	1	1	0	0	0	10.22	13.59610838
3589	18/12/2020	4	4.4	4.4.5.3	2300037379	753	138	0.685	33.1	5.90	25.5	5.40	195	137.7	70.51	74.21	0	0	0	0	0	3.69	4.979000377
3590	18/12/2020	4	4.4	4.4.5.3	2300044711	938	112	0.432	34.1	7.40	16.1	6.98	252	112.4	44.53	75.39	1	1	1	1	1	30.85	40.92740286

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3591	18/12/2020	4	4.4	4.4.5.3	2300044138	778	120	0.446	33.5	7.84	15.7	7.65	263	120.1	45.73	74.37	1	1	1	1	1	28.64	38.50632226
3592	18/12/2020	4	4.4	4.4.5.3	2300037380	871	83	0.413	33.5	5.82	25.8	3.21	195	82.8	42.48	74.96	1	1	1	1	1	32.48	43.33367458
3593	18/12/2020	4	4.4	4.4.5.3	2300044717	703	111	0.584	23.9	7.77	15.7	7.07	186	111.0	59.77	73.89	1	1	1	0	0	14.11	19.1010857
3594	18/12/2020	4	4.4	4.4.5.3	2300044223	773	20	0.558	18.5	1.94	11.5	1.77	36	20.4	56.71	74.33	1	1	1	1	0	17.62	23.70170747
3595	18/12/2020	4	4.4	4.4.5.3	2300044206	730	120	0.649	32.9	5.50	25.7	4.69	181	120.5	66.61	74.06	1	1	0	0	0	7.45	10.05533694
3596	18/12/2020	4	4.4	4.4.5.2	23000	807	112	0.433	33.7	7.47	16.2	6.93	252	112.3	44.60	74.55	1	1	1	1	1	29.95	40.18013367
3597	18/12/2020	4	4.4	4.4.5.2	23000	814	125	0.637	32.9	5.81	23.9	5.21	191	124.5	65.14	74.60	1	1	0	0	0	9.45	12.6726297
3598	18/12/2020	4	4.4	4.4.5.2	2300044122	756	109	0.634	22.2	7.52	15.9	6.82	167	108.4	64.95	74.22	1	1	0	0	0	9.27	12.48872964
3599	18/12/2020	4	4.4	4.4.5.2	2300044081	794	28	0.840	11.2	2.86	9.6	2.88	32	27.6	86.31	74.47	1	1	1	0	0	-11.85	-15.90770525
3600	18/12/2020	4	4.4	4.4.5.2	2300029955	786	131	0.508	33.3	7.56	20.1	6.53	252	131.3	52.14	74.42	1	1	1	1	1	22.28	29.93928694
3601	18/12/2020	4	4.4	4.4.5.2	2300044259	812	110	0.440	33.8	7.23	16.5	6.71	244	110.7	45.31	74.58	1	1	1	1	1	29.28	39.25468575
3602	18/12/2020	4	4.4	4.4.5.2	23000	768	122	0.492	33.7	7.20	19.6	6.21	243	121.7	50.16	74.30	1	1	1	1	1	24.14	32.48668292
3603	18/12/2020	4	4.4	4.4.5.2	2300044260	766	123	0.522	33.6	6.89	20.0	6.14	232	122.8	53.04	74.29	1	1	1	1	1	21.24	28.5966048
3604	18/12/2020	4	4.4	4.4.5.2	2300042852	799	129	0.507	33.6	7.41	20.3	6.33	249	128.5	51.61	74.50	1	1	1	1	1	22.89	30.72311979
3605	18/12/2020	4	4.4	4.4.5.2	2300044075	818	117	0.429	34.4	7.69	16.5	7.09	265	117.0	44.22	74.62	1	1	1	1	1	30.40	40.73706334
3606	18/12/2020	4	4.4	4.4.5.2	2300042856	856	35	0.470	28.3	2.59	19.0	1.87	73	35.5	48.47	74.86	1	1	1	1	1	26.39	35.25091142
3607	18/12/2020	4	4.4	4.4.5.2	2300036192	800	100	0.624	22.7	6.87	16.5	6.07	156	100.2	64.22	74.51	1	1	0	0	0	10.28	13.8016817
3608	18/12/2020	4	4.4	4.4.5.2	23000	800	99	0.621	22.6	6.85	16.4	6.07	155	99.5	64.30	74.51	1	1	0	0	0	10.20	13.69374335
3609	18/12/2020	4	4.4	4.4.5.2	2300046067	954	22	0.858	11.4	2.15	10.0	2.17	25	21.7	88.54	75.49	1	1	1	0	0	-13.04	-17.27833523
3610	18/12/2020	4	4.4	4.4.5.2	2300045874	947	108	0.620	23.9	7.05	16.3	6.63	168	108.1	64.14	75.45	1	1	0	0	0	11.31	14.98935907
3611	18/12/2020	4	4.4	4.4.5.2	2300046289	934	112	0.646	22.9	7.37	16.4	6.85	169	112.3	66.56	75.36	1	1	0	0	0	8.80	11.67781317
3612	18/12/2020	4	4.4	4.4.5.2	2300046358	861	102	0.739	33.0	4.07	26.7	3.82	134	102.0	75.94	74.90	0	0	0	0	0	-1.04	-1.392383386
3613	18/12/2020	4	4.4	4.4.5.2	2300046877	933	52	0.534	28.9	3.26	21.3	2.43	94	51.8	54.94	75.36	1	1	1	1	1	20.42	27.09695287
3614	18/12/2020	4	4.4	4.4.5.2	2300045879	948	106	0.499	34.6	5.94	17.7	5.98	206	105.8	51.50	75.45	1	1	1	1	1	23.95	31.74503576
3615	18/12/2020	4	4.4	4.4.5.2	2300046363	843	110	0.695	33.0	4.66	25.8	4.27	154	110.2	71.64	74.78	0	0	0	0	0	3.14	4.202253183
3616	18/12/2020	4	4.4	4.4.5.2	2300037206	1,028	77	0.656	23.3	4.94	19.0	4.07	115	77.3	67.18	75.97	1	1	0	0	0	8.78	11.55964959
3617	18/12/2020	4	4.4	4.4.5.2	2300046279	1,006	94	0.548	24.9	6.70	14.4	6.52	167	93.9	56.28	75.82	1	1	1	1	1	19.55	25.77897365
3618	18/12/2020	4	4.4	4.4.5.2	2300046228	1,051	113	0.430	34.7	7.36	16.0	7.05	255	112.8	44.17	76.11	1	1	1	1	1	31.95	41.97082529
3619	18/12/2020	4	4.4	4.4.5.2	2300046226	1,047	27	0.824	12.3	2.56	10.4	2.58	31	26.8	85.21	76.09	1	1	0	0	0	-9.13	-11.99500391
3620	18/12/2020	7	7.2	7.2.2.3	2300049080	1,009	81	0.571	22.8	6.07	13.3	6.11	138	81.3	58.72	75.84	1	1	1	1	0	17.13	22.58049788

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3621	18/12/2020	7	7.2	7.2.2.3	2300045954	749	51	0.522	30.8	3.07	24.1	2.10	95	50.6	53.52	74.18	1	1	1	1	1	20.66	27.84561021
3622	18/12/2020	7	7.2	7.2.2.3	2300049057	857	122	0.687	23.6	7.33	17.4	7.01	173	122.0	70.51	74.87	1	0	0	0	0	4.36	5.824309096
3623	18/12/2020	7	7.2	7.2.2.3	2300045968	956	115	0.634	23.6	7.54	16.5	6.98	178	115.2	64.72	75.50	1	1	0	0	0	10.78	14.27968521
3624	18/12/2020	7	7.2	7.2.2.3	2300045984	972	116	0.633	23.6	7.57	16.6	6.99	179	116.0	64.95	75.61	1	1	0	0	0	10.66	14.09537941
3625	18/12/2020	7	7.2	7.2.2.3	2300049084	825	124	0.487	34.8	7.14	20.6	6.01	248	123.8	49.83	74.67	1	1	1	1	1	24.84	33.2668922
3626	18/12/2020	7	7.2	7.2.2.3	2300049071	1001	103	0.616	23.4	6.94	16.0	6.42	162	102.7	63.25	75.79	1	1	1	0	0	12.54	16.54468063
3627	18/12/2020	7	7.2	7.2.2.3	2300048682	889	101	0.451	34.8	6.26	17.3	5.84	218	101.0	46.38	75.08	1	1	1	1	1	28.70	38.22588086
3628	18/12/2020	7	7.2	7.2.2.3	2300048698	1004	110	0.423	35.4	7.20	17.9	6.18	255	110.6	43.40	75.81	1	1	1	1	1	32.41	42.75071262
3629	18/12/2020	7	7.2	7.2.2.3	2300042905	949	120	0.648	23.4	7.67	16.8	7.10	179	119.3	66.46	75.46	1	1	0	0	0	9.00	11.92717835
3630	18/12/2020	7	7.2	7.2.2.3	2300048699	918	96	0.659	22.7	6.29	16.7	5.76	143	96.2	67.37	75.26	1	1	0	0	0	7.89	10.48592807
3631	18/12/2020	7	7.2	7.2.2.3	2300049333	917	107	0.682	23.1	6.62	16.9	6.32	153	106.8	69.84	75.25	1	0	0	0	0	5.41	7.18896674
3632	18/12/2020	7	7.2	7.2.2.3	2300049336	897	114	0.649	23.3	7.38	16.8	6.80	172	114.2	66.44	75.13	1	1	0	0	0	8.69	11.56767955
3633	18/12/2020	7	7.2	7.2.2.3	2300049314	943	126	0.458	36.2	7.32	17.8	7.07	265	125.8	47.49	75.42	1	1	1	1	1	27.93	37.03106813
3634	18/12/2020	7	7.2	7.2.2.3	2300048713	942	115	0.633	23.6	7.51	16.8	6.87	177	115.4	65.12	75.41	1	1	0	0	0	10.29	13.65096366
3635	18/12/2020	7	7.2	7.2.2.3	2300049358	889	71	0.543	23.5	5.46	13.0	5.50	128	71.5	55.72	75.08	1	1	1	1	1	19.35	25.77559496
3636	18/12/2020	7	7.2	7.2.2.3	2300048692	811	119	0.629	34.5	5.36	27.1	4.41	185	119.5	64.63	74.58	1	1	0	0	0	9.95	13.3392226
3637	18/12/2020	7	7.2	7.2.2.3	2300049355	984	52	0.599	21.5	3.91	15.2	3.38	84	51.4	61.11	75.68	1	1	1	0	0	14.57	19.24985903
3638	18/12/2020	7	7.2	7.2.2.3	2300049072	921	114	0.661	23.6	7.13	17.3	6.61	168	114.4	67.96	75.28	1	0	0	0	0	7.32	9.725703694
3639	18/12/2020	7	7.2	7.2.2.3	230049318	856	114	0.513	32.9	6.59	22.0	5.17	217	113.7	52.46	74.86	1	1	1	1	1	22.40	29.92605578
3640	18/12/2020	7	7.2	7.2.2.3	2300049643	894	101	0.601	23.2	7.08	15.6	6.47	164	100.9	61.45	75.11	1	1	1	0	0	13.66	18.18672992
3641	18/12/2020	7	7.2	7.2.2.3	2300049315	893	110	0.479	34.8	6.46	20.2	5.43	225	109.7	48.79	75.10	1	1	1	1	1	26.31	35.0330377
3642	18/12/2020	7	7.2	7.2.2.3	2300049354	707	104	0.680	22.8	6.53	17.0	6.11	149	103.9	69.77	73.91	1	0	0	0	0	4.15	5.608214698
3643	18/12/2020	7	7.2	7.2.2.3	2300048663	887	114	0.455	32.5	7.53	16.3	6.98	245	113.8	46.49	75.06	1	1	1	1	1	28.57	38.06445987
3644	18/12/2020	7	7.2	7.2.2.4	2300046010	848	13	0.268	34.5	1.36	11.6	1.10	47	12.8	27.20	74.81	1	1	1	1	1	47.62	63.64916095
3645	18/12/2020	7	7.2	7.2.2.4	2300045991	847	108	0.594	24.9	7.15	16.1	6.71	178	108.0	60.68	74.81	1	1	1	0	0	14.13	18.88485854
3646	18/12/2020	7	7.2	7.2.2.4	2300046453	827	115	0.651	23.9	7.20	17.0	6.74	172	114.6	66.59	74.68	1	1	0	0	0	8.09	10.83773553
3647	18/12/2020	7	7.2	7.2.2.4	2300046026	898	105	0.417	34.7	7.10	16.0	6.54	246	104.6	42.47	75.13	1	1	1	1	1	32.66	43.47012551
3648	18/12/2020	7	7.2	7.2.2.4	2300046444	976	23	0.651	15.1	2.29	10.0	2.30	35	23.0	66.51	75.63	1	1	0	0	0	9.12	12.05573481
3649	18/12/2020	7	7.2	7.2.2.4	2300045997	828	115	0.630	23.2	7.69	16.2	7.13	178	115.5	64.74	74.69	1	1	0	0	0	9.94	13.31266109
3650	18/12/2020	7	7.2	7.2.2.4	2300046057	961	134	0.538	35.0	6.94	29.5	4.55	243	134.2	55.26	75.54	1	1	1	1	1	20.28	26.84405665

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3651	18/12/2020	7	7.2	7.2.2.4	2300046401	758	135	0.575	34.1	6.72	22.9	5.88	229	134.7	58.76	74.24	1	1	1	1	0	15.48	20.84696477
3652	18/12/2020	7	7.2	7.2.2.4	2300046396	806	40	0.485	31.4	2.60	21.4	1.89	82	40.4	49.54	74.54	1	1	1	1	1	25.00	33.54042526
3653	18/12/2020	7	7.2	7.2.2.4	2300046473	601	8	0.915	9.2	1.00	8.2	1.04	9	8.5	92.70	73.23	1	1	1	1	1	-19.46	-26.57737856
3654	18/12/2020	7	7.2	7.2.2.4	2300046440	868	115	0.650	23.3	7.45	16.6	6.90	174	114.5	65.98	74.94	1	1	0	0	0	8.96	11.95101741
3655	18/12/2020	7	7.2	7.2.2.4	2300046064	901	106	0.657	23.0	6.87	16.4	6.42	158	105.3	66.63	75.15	1	1	0	0	0	8.52	11.33515715
3656	18/12/2020	7	7.2	7.2.2.4	2300046063	899	130	0.631	34.6	5.87	24.9	5.24	203	130.5	64.24	75.14	1	1	0	0	0	10.90	14.50365375
3657	18/12/2020	7	7.2	7.2.2.4	2300042848	859	113	0.649	23.3	7.38	16.6	6.84	172	113.5	66.03	74.88	1	1	0	0	0	8.85	11.82099538
3658	18/12/2020	7	7.2	7.2.2.4	2300047957	861	113	0.635	23.2	7.56	16.3	6.96	175	113.4	64.68	74.90	1	1	0	0	0	10.21	13.63731811
3659	18/12/2020	7	7.2	7.2.2.4	2300046036	737	128	0.652	23.2	8.34	16.6	7.73	193	128.3	66.32	74.10	1	1	0	0	0	7.78	10.5049679
3660	18/12/2020	7	7.2	7.2.2.4	2300046446	786	125	0.687	33.6	5.33	25.8	4.85	179	125.1	69.87	74.42	1	0	0	0	0	4.55	6.108494764
3661	19/12/2020	7	7.2	7.2.2.4	2300047960	620	135	0.626	23.9	8.86	16.9	8.00	212	135.2	63.85	73.35	1	1	0	0	0	9.51	12.95952191
3662	19/12/2020	7	7.2	7.2.2.4	2300049083	865	115	0.429	33.9	7.67	16.0	7.17	260	114.7	44.12	74.92	1	1	1	1	1	30.80	41.11092753
3663	19/12/2020	7	7.2	7.2.2.4	2300046441	854	109	0.621	23.1	7.34	16.2	6.69	170	108.4	63.92	74.85	1	1	0	0	0	10.93	14.60508621
3664	19/12/2020	7	7.2	7.2.2.4	2300049099	856	23	0.849	11.3	2.38	9.7	2.39	27	23.2	86.20	74.86	1	1	1	0	0	-11.34	-15.1433568
3665	19/12/2020	7	7.2	7.2.2.4	2300097963	839	107	0.419	33.9	7.41	15.7	6.86	251	107.7	42.88	74.76	1	1	1	1	1	31.88	42.64620887
3666	19/12/2020	7	7.2	7.2.2.4	2300049087	807	122	0.630	23.1	8.21	16.2	7.55	190	122.3	64.49	74.55	1	1	0	0	0	10.06	13.49234871
3667	19/12/2020	7	7.2	7.2.2.1	2300046005	860	116	0.638	22.9	7.79	16.0	7.23	178	115.7	64.85	74.89	1	1	0	0	0	10.04	13.41124219
3668	19/12/2020	7	7.2	7.2.2.1	2300046402	852	114	0.625	22.6	7.88	15.5	7.33	178	113.6	63.80	74.84	1	1	0	0	0	11.04	14.75396246
3669	19/12/2020	7	7.2	7.2.2.1	2300046452	876	55	0.615	21.9	4.00	16.1	3.42	88	55.1	62.86	74.99	1	1	1	0	0	12.14	16.1832874
3670	19/12/2020	7	7.2	7.2.2.1	2300046458	812	28	0.812	12.1	2.76	10.0	2.77	33	27.7	82.94	74.58	1	1	0	0	0	-8.36	-11.21071501
3671	19/12/2020	7	7.2	7.2.2.1	2300045972	790	8	0.392	34.3	0.56	16.3	0.47	19	7.7	39.88	74.44	1	1	1	1	1	34.56	46.42214992
3672	19/12/2020	7	7.2	7.2.2.1	2300040108	883	12	0.737	33.2	0.47	22.2	0.53	16	11.8	75.40	75.04	0	0	0	0	0	-0.37	-0.48848122
3673	19/12/2020	7	7.2	7.2.2.1	2300046031	883	15	0.899	33.2	0.48	27.9	0.52	16	14.5	91.04	75.04	1	1	1	1	0	-16.00	-21.32536479
3674	19/12/2020	7	7.2	7.2.2.1	2300046027	877	9	0.644	33.1	0.41	18.1	0.50	14	9.1	66.69	75.00	1	1	0	0	0	8.31	11.08348879
3675	19/12/2020	7	7.2	7.2.2.1	2300046450	883	7	0.627	32.7	0.33	23.0	0.30	11	6.9	63.94	75.04	1	1	0	0	0	11.10	14.78603408
3676	19/12/2020	7	7.2	7.2.2.1	2300046067	822	9	0.602	34.4	0.41	24.5	0.35	14	8.6	60.80	74.65	1	1	1	0	0	13.85	18.5519606
3677	19/12/2020	7	7.2	7.2.2.1	2300046449	842	16	0.332	34.0	1.42	17.3	0.95	48	16.4	34.04	74.77	1	1	1	1	1	40.73	54.47529011
3678	19/12/2020	7	7.2	7.2.2.1	23000	840	33	0.365	34.0	2.57	17.3	1.88	87	32.5	37.22	74.76	1	1	1	1	1	37.54	50.21356824
3679	19/12/2020	7	7.2	7.2.2.1	2300047953	841	57	0.372	34.6	4.37	16.8	3.43	151	57.6	38.11	74.77	1	1	1	1	1	36.66	49.02845721
3680	19/12/2020	7	7.2	7.2.2.1	2300046045	867	109	0.436	34.2	7.09	18.6	5.83	242	108.4	44.72	74.93	1	1	1	1	1	30.21	40.32044101

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3681	19/12/2020	7	7.2	7.2.2.1	2300047959	812	26	0.366	34.0	2.07	17.2	1.54	70	26.5	37.64	74.58	1	1	1	1	1	36.95	49.5383762
3682	19/12/2020	7	7.2	7.2.2.1	2300046460	836	127	0.504	34.0	7.25	21.8	5.85	247	127.5	51.74	74.74	1	1	1	1	1	23.00	30.77495261
3683	19/12/2020	7	7.2	7.2.2.1	2300047951	848	105	0.443	33.9	6.80	17.7	5.91	231	104.6	45.38	74.81	1	1	1	1	1	29.43	39.34398073
3684	19/12/2020	7	7.2	7.2.2.1	23000	772	28	0.352	34.1	2.32	17.3	1.64	79	28.4	35.86	74.33	1	1	1	1	1	38.46	51.74946293
3685	19/12/2020	7	7.2	7.2.2.1	2300046448	891	11	0.382	33.9	0.82	15.6	0.70	28	10.9	39.28	75.09	1	1	1	1	1	35.80	47.68379446
3686	19/12/2020	7	7.2	7.2.2.1	2300047945	893	18	0.513	33.4	1.01	20.3	0.88	34	17.9	52.96	75.10	1	1	1	1	1	22.15	29.48784415
3687	19/12/2020	7	7.2	7.2.2.2	2300049077	889	10	0.395	33.2	0.77	17.6	0.60	26	10.6	41.31	75.08	1	1	1	1	1	33.77	44.9780095
3688	19/12/2020	7	7.2	7.2.2.2	23000	904	14	0.497	33.4	0.83	22.8	0.62	28	14.1	50.99	75.17	1	1	1	1	1	24.18	32.1658819
3689	19/12/2020	7	7.2	7.2.2.2	2300049073	906	9	0.392	33.3	0.67	17.9	0.51	22	9.1	40.92	75.18	1	1	1	1	1	34.27	45.57775757
3690	19/12/2020	7	7.2	7.2.2.2	23000	823	16	0.407	35.0	1.09	27.3	0.58	38	15.8	41.50	74.65	1	1	1	1	1	33.15	44.40347211
3691	19/12/2020	7	7.2	7.2.2.2	2300045969	897	12	0.348	34.9	0.93	17.1	0.68	32	11.6	35.83	75.13	1	1	1	1	1	39.30	52.31280727
3692	19/12/2020	7	7.2	7.2.2.2	2300049079	846	14	0.353	33.3	1.12	15.0	0.91	37	13.7	36.60	74.80	1	1	1	1	1	38.20	51.07098478
3693	19/12/2020	7	7.2	7.2.2.2	23000	901	12	0.442	33.7	0.81	23.9	0.52	27	12.4	45.53	75.15	1	1	1	1	1	29.62	39.418019
3694	19/12/2020	7	7.2	7.2.2.2	2300048688	901	12	0.422	33.7	0.79	17.1	0.68	27	11.6	43.68	75.15	1	1	1	1	1	31.48	41.88273388
3695	19/12/2020	7	7.2	7.2.2.2	2300048696	890	19	0.582	33.9	0.91	18.6	1.00	31	18.6	60.29	75.08	1	1	1	0	0	14.79	19.69621399
3696	19/12/2020	7	7.2	7.2.2.2	2300048706	907	10	0.464	33.8	0.65	15.8	0.67	22	10.6	48.18	75.19	1	1	1	1	1	27.01	35.91784218
3697	19/12/2020	7	7.2	7.2.2.2	2300046649	907	22	0.591	33.8	1.09	20.5	1.10	37	22.6	61.21	75.19	1	1	1	0	0	13.98	18.59733141
3698	19/12/2020	7	7.2	7.2.2.2	2300048701	809	25	0.642	33.9	1.09	19.9	1.23	37	24.5	66.24	74.56	1	1	0	0	0	8.32	11.16070086
3699	19/12/2020	7	7.2	7.2.2.2	23000	810	112	0.557	33.3	5.87	21.7	5.14	195	111.5	57.06	74.57	1	1	1	1	0	17.51	23.47975092
3700	19/12/2020	7	7.2	7.2.2.2	23000	879	74	0.389	34.3	5.38	17.4	4.23	185	73.6	39.89	75.01	1	1	1	1	1	35.13	46.82778026
3701	19/12/2020	7	7.2	7.2.2.2	2300049352	889	48	0.375	34.0	3.64	17.0	2.79	124	47.4	38.32	75.08	1	1	1	1	1	36.75	48.95255473
3702	19/12/2020	7	7.2	7.2.2.2	2300049665	889	49	0.373	33.9	3.75	16.8	2.89	127	48.6	38.19	75.08	1	1	1	1	1	36.88	49.12817163
3703	19/12/2020	7	7.2	7.2.2.2	2300049344	892	74	0.402	34.0	5.27	17.7	4.19	179	74.2	41.39	75.09	1	1	1	1	1	33.70	44.88270543
3704	19/12/2020	7	7.2	7.2.2.2	23000	884	62	0.378	34.3	4.62	17.4	3.52	158	61.2	38.65	75.04	1	1	1	1	1	36.39	48.49585805
3705	19/12/2020	7	7.2	7.2.2.2	23000	778	132	0.597	33.8	6.38	23.3	5.65	216	131.6	61.05	74.37	1	1	1	0	0	13.32	17.9086799
3706	19/12/2020	7	7.2	7.2.2.2	2300048686	869	17	0.809	11.2	1.89	9.2	1.90	21	17.5	82.58	74.95	1	1	0	0	0	-7.63	-10.18027987
3707	19/12/2020	7	7.2	7.2.2.2	2300048668	786	117	0.422	34.3	7.87	16.1	7.26	270	116.9	43.30	74.42	1	1	1	1	1	31.12	41.81313113
3708	19/12/2020	7	7.2	7.2.2.2	23000	726	60	0.509	22.9	5.05	12.0	5.02	116	60.2	52.09	74.03	1	1	1	1	1	21.94	29.63830807
3709	19/12/2020	7	7.2	7.2.2.2	2300048702	805	120	0.434	34.4	7.85	15.7	7.66	270	120.3	44.53	74.54	1	1	1	1	1	30.00	40.25210802
3710	19/12/2020	7	7.2	7.2.2.2	23000	796	15	0.783	11.4	1.67	9.1	1.67	19	15.2	79.82	74.48	1	0	0	0	0	-5.34	-7.17525873

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3711	19/12/2020	4	4.4	4.4.4.2	2300047402	726	21	0.545	17.9	2.13	11.3	1.88	38	21.2	55.72	74.03	1	1	1	1	0	18.31	24.73694727
3712	19/12/2020	4	4.4	4.4.4.2	2300050963	855	108	0.607	22.8	7.62	15.3	7.08	174	108.3	62.35	74.86	1	1	1	0	0	12.51	16.70927347
3713	19/12/2020	4	4.4	4.4.4.2	2300046282	770	105	0.450	33.9	6.70	16.1	6.52	227	105.0	46.22	74.31	1	1	1	1	1	28.10	37.80888649
3714	19/12/2020	4	4.4	4.4.4.2	2300047470	893	8	0.305	34.0	0.77	10.6	0.77	26	8.2	31.18	75.10	1	1	1	1	1	43.92	58.4873869
3715	19/12/2020	4	4.4	4.4.4.2	2300050950	901	107	0.609	23.1	7.41	15.4	6.93	171	106.7	62.35	75.15	1	1	1	0	0	12.80	17.03767526
3716	19/12/2020	4	4.4	4.4.4.2	2300051563	869	27	0.797	12.5	2.64	10.1	2.65	33	26.8	81.11	74.95	1	0	0	0	0	-6.16	-8.217021767
3717	19/12/2020	4	4.4	4.4.4.2	23000	868	121	0.631	23.4	7.94	16.5	7.30	186	120.5	64.83	74.94	1	1	0	0	0	10.11	13.49328877
3718	19/12/2020	4	4.4	4.4.4.2	23000	892	9	0.436	33.6	0.62	20.7	0.45	21	9.3	44.71	75.09	1	1	1	1	1	30.38	40.45544864
3719	19/12/2020	4	4.4	4.4.4.2	2300047239	754	6	0.581	33.2	0.31	21.3	0.28	10	6.0	57.95	74.21	1	1	1	1	0	16.26	21.91527913
3720	19/12/2020	4	4.4	4.4.4.2	2300046224	851	20	0.489	34.2	1.15	22.4	0.88	39	19.7	50.12	74.83	1	1	1	1	1	24.71	33.0243295
3721	19/12/2020	4	4.4	4.4.4.2	2300051567	908	9	0.348	34.6	0.72	13.3	0.67	25	8.9	35.77	75.20	1	1	1	1	1	39.43	52.43185905
3722	19/12/2020	4	4.4	4.4.4.4	2300051055	886	33	0.605	19.4	2.75	14.5	2.27	53	32.9	61.70	75.06	1	1	1	0	0	13.36	17.80002119
3723	19/12/2020	4	4.4	4.4.4.4	23000	881	96	0.628	22.0	6.77	15.3	6.25	149	95.6	64.20	75.02	1	1	0	0	0	10.82	14.4228995
3724	19/12/2020	4	4.4	4.4.4.4	2300046261	895	112	0.446	33.9	7.20	16.1	6.93	244	111.6	45.71	75.11	1	1	1	1	1	29.40	39.14363246
3725	19/12/2020	4	4.4	4.4.4.4	2300046985	882	8	0.396	33.8	0.59	14.5	0.56	20	8.1	40.72	75.03	1	1	1	1	1	34.31	45.73150967
3726	19/12/2020	4	4.4	4.4.4.4	2300046244	856	8	0.431	33.9	0.52	17.4	0.45	18	7.8	44.42	74.86	1	1	1	1	1	30.45	40.66876725
3727	19/12/2020	4	4.4	4.4.4.4	23000	845	9	0.363	33.3	0.74	13.2	0.69	25	9.1	36.96	74.79	1	1	1	1	1	37.83	50.5825526
3728	19/12/2020	4	4.4	4.4.4.4	2300051418	844	11	0.432	33.7	0.73	19.8	0.55	25	10.9	44.27	74.79	1	1	1	1	1	30.52	40.81038403
3729	19/12/2020	4	4.4	4.4.4.4	23000	841	7	0.332	33.5	0.60	20.5	0.34	20	7.0	34.68	74.77	1	1	1	1	1	40.09	53.62129333
3730	19/12/2020	4	4.4	4.4.4.4	2300051404	854	6	0.425	33.7	0.42	19.6	0.31	14	6.1	42.93	74.85	1	1	1	1	1	31.92	42.64946339
3731	19/12/2020	4	4.4	4.4.3.3	2300053339	809	10	0.497	34.0	0.56	15.3	0.64	19	9.8	51.43	74.56	1	1	1	1	1	23.14	31.02724194
3732	19/12/2020	4	4.4	4.4.3.3	2300053663	849	20	0.621	34.2	0.90	24.0	0.82	31	19.7	63.94	74.82	1	1	0	0	0	10.88	14.54428808
3733	19/12/2020	4	4.4	4.4.3.3	2300053542	851	8	0.373	33.8	0.63	16.7	0.49	21	8.2	38.43	74.83	1	1	1	1	1	36.40	48.64702274
3734	19/12/2020	4	4.4	4.4.3.3	2300053622	834	7	0.346	34.1	0.55	19.0	0.35	19	6.7	35.46	74.72	1	1	1	1	1	39.27	52.5488448
3735	19/12/2020	4	4.4	4.4.3.3	2300053600	843	12	0.461	33.8	0.75	16.7	0.71	25	11.9	46.77	74.78	1	1	1	1	1	28.01	37.45329636
3736	19/12/2020	4	4.4	4.4.3.3	2300053646	849	10	0.472	34.1	0.59	14.8	0.66	20	9.8	48.55	74.82	1	1	1	1	1	26.27	35.10908795
3737	19/12/2020	4	4.4	4.4.3.3	2300053440	872	10	0.414	33.8	0.70	22.5	0.44	24	9.9	41.84	74.97	1	1	1	1	1	33.12	44.18492905
3738	19/12/2020	4	4.4	4.4.3.3	2300053602	878	7	0.338	34.3	0.58	17.4	0.39	20	6.8	34.11	75.01	1	1	1	1	1	40.89	54.52210357
3739	19/12/2020	4	4.4	4.4.3.3	2300053541	881	7	0.411	34.1	0.45	18.9	0.34	15	6.4	41.88	75.02	1	1	1	1	1	33.15	44.18238221
3740	19/12/2020	4	4.4	4.4.3.3	2300053662	837	39	0.567	18.4	3.67	10.7	3.69	68	39.5	58.47	74.74	1	1	1	1	0	16.27	21.77296075

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3741	19/12/2020	4	4.4	4.4.3.3	2300053344	797	87	0.402	34.1	6.21	17.4	5.03	212	87.5	41.33	74.49	1	1	1	1	1	33.16	44.51291153
3742	19/12/2020	4	4.4	4.4.3.3	2300053398	798	76	0.389	34.1	5.61	17.0	4.50	191	76.5	39.99	74.49	1	1	1	1	1	34.50	46.31813887
3743	19/12/2020	4	4.4	4.4.3.3	2300048787	823	16	0.291	34.1	1.53	18.2	0.85	52	15.5	29.65	74.65	1	1	1	1	1	45.00	60.28120398
3744	19/12/2020	4	4.4	4.4.3.3	2300051014	827	99	0.584	23.0	7.16	15.1	6.56	165	99.1	60.15	74.68	1	1	1	0	0	14.53	19.45425597
3745	19/12/2020	4	4.4	4.4.3.3	2300048784	820	98	0.589	22.5	7.17	14.8	6.60	161	97.7	60.55	74.63	1	1	1	0	0	14.09	18.87265582
3746	19/12/2020	4	4.4	4.4.3.3	2300048822	813	7	0.294	33.8	0.73	17.3	0.43	25	7.4	30.15	74.59	1	1	1	1	1	44.44	59.57974499
3747	19/12/2020	4	4.4	4.4.3.3	2300048792	804	109	0.459	33.9	6.85	19.8	5.54	232	109.7	47.24	74.53	1	1	1	1	1	27.29	36.62116663
3748	19/12/2020	4	4.4	4.4.3.3	2300048818	812	82	0.401	34.7	5.78	17.9	4.61	201	82.5	41.14	74.58	1	1	1	1	1	33.44	44.83571933
3749	19/12/2020	4	4.4	4.4.3.3	2300053349	824	20	0.288	34.4	1.98	11.3	1.79	68	20.2	29.70	74.66	1	1	1	1	1	44.96	60.22390146
3750	19/12/2020	4	4.4	4.4.3.3	2300049819	848	55	0.377	34.5	4.10	17.2	3.18	141	54.7	38.67	74.81	1	1	1	1	1	36.15	48.31382618
3751	19/12/2020	4	4.4	4.4.3.3	2300048814	840	103	0.608	22.6	7.29	15.5	6.63	165	102.8	62.37	74.76	1	1	1	0	0	12.39	16.56882727
3752	19/12/2020	4	4.4	4.4.3.3	2300048848	847	128	0.542	33.8	6.81	23.4	5.48	230	128.2	55.71	74.81	1	1	1	1	1	19.10	25.52825567
3753	19/12/2020	4	4.4	4.4.3.3	2300049821	846	70	0.391	34.6	5.08	17.4	4.05	176	70.5	40.09	74.80	1	1	1	1	1	34.71	46.40052447
3754	19/12/2020	4	4.4	4.4.3.3	2300048860	843	18	0.309	34.1	1.65	17.6	1.01	56	17.8	31.59	74.78	1	1	1	1	1	43.19	57.7522788
3755	19/12/2020	4	4.4	4.4.3.1	2300053606	837	110	0.611	22.9	7.64	15.5	7.10	175	110.1	62.90	74.74	1	1	1	0	0	11.84	15.8426905
3756	19/12/2020	4	4.4	4.4.3.1	2300053648	831	13	0.368	34.1	1.02	14.0	0.94	35	13.2	37.84	74.70	1	1	1	1	1	36.87	49.35283313
3757	19/12/2020	4	4.4	4.4.3.1	2300053613	828	28	0.584	34.3	1.38	21.0	1.35	47	28.4	59.89	74.69	1	1	1	0	0	14.79	19.80536622
3758	19/12/2020	4	4.4	4.4.3.1	2300053657	835	10	0.399	33.9	0.76	19.7	0.53	26	10.4	40.53	74.73	1	1	1	1	1	34.20	45.77072192
3759	19/12/2020	4	4.4	4.4.3.1	2300053042	844	11	0.383	33.6	0.85	16.5	0.68	29	11.2	39.29	74.79	1	1	1	1	1	35.50	47.47028346
3760	19/12/2020	4	4.4	4.4.3.1	2300053656	853	10	0.422	33.9	0.67	19.6	0.50	23	9.8	43.15	74.85	1	1	1	1	1	31.70	42.35155177
3761	19/12/2020	4	4.4	4.4.3.1	2300053341	865	11	0.380	33.7	0.86	13.9	0.81	29	11.3	38.85	74.92	1	1	1	1	1	36.07	48.14840683
3762	19/12/2020	4	4.4	4.4.3.1	2300053614	839	69	0.432	34.3	4.57	15.6	4.47	157	69.7	44.49	74.76	1	1	1	1	1	30.27	40.49162792
3763	19/12/2020	4	4.4	4.4.3.1	2300053607	827	45	0.398	33.6	3.25	25.2	1.77	109	44.6	40.85	74.68	1	1	1	1	1	33.83	45.30421773
3764	19/12/2020	4	4.4	4.4.3.1	2300053345	829	22	0.534	34.3	1.19	24.9	0.89	41	22.2	54.29	74.69	1	1	1	1	1	20.40	27.30969191
3765	19/12/2020	4	4.4	4.4.3.1	2300053737	841	29	0.505	34.3	1.65	18.5	1.58	57	29.2	51.65	74.77	1	1	1	1	1	23.12	30.92312788
3766	19/12/2020	4	4.4	4.4.3.1	2300053661	843	9	0.382	34.2	0.64	19.2	0.44	22	8.4	38.60	74.78	1	1	1	1	1	36.18	48.38744066
3767	19/12/2020	4	4.4	4.4.3.1	2300053040	862	39	0.381	34.1	2.94	17.6	2.23	100	39.2	39.15	74.90	1	1	1	1	1	35.75	47.73417996
3768	19/12/2020	4	4.4	4.4.3.1	2300053605	874	91	0.587	22.7	6.64	14.9	6.14	151	91.5	60.70	74.98	1	1	1	0	0	14.28	19.04986381
3769	19/12/2020	4	4.4	4.4.3.1	23000	862	137	0.554	33.7	7.12	22.8	6.01	240	137.0	57.11	74.90	1	1	1	1	0	17.79	23.75675505
3770	19/12/2020	4	4.4	4.4.3.1	2300053377	847	95	0.582	22.7	6.97	14.5	6.54	158	94.8	59.94	74.81	1	1	1	0	0	14.87	19.87905964

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3771	19/12/2020	4	4.4	4.4.3.1	23000	867	137	0.492	34.4	7.83	20.7	6.62	269	137.0	50.88	74.93	1	1	1	1	1	24.06	32.10706591
3772	19/12/2020	4	4.4	4.4.3.1	2300053340	702	73	0.341	35.0	5.98	12.4	5.90	209	73.2	34.95	73.88	1	1	1	1	1	38.92	52.68654796
3773	19/12/2020	4	4.4	4.4.3.1	23000	714	13	0.476	34.4	0.75	17.5	0.72	26	12.6	48.84	73.96	1	1	1	1	1	25.12	33.9641497
3774	19/12/2020	4	4.4	4.4.3.1	23000	708	9	0.316	34.3	0.79	14.7	0.59	27	8.7	32.01	73.92	1	1	1	1	1	41.91	56.69853123
3775	19/12/2020	4	4.4	4.4.3.1	230004873	714	7	0.323	33.8	0.59	17.1	0.38	20	6.5	32.58	73.96	1	1	1	1	1	41.37	55.94046288
3776	19/12/2020	4	4.4	4.4.3.1	23000	720	10	0.406	33.8	0.69	15.3	0.63	23	9.6	41.33	73.99	1	1	1	1	1	32.66	44.14401896
3777	19/12/2020	4	4.4	4.4.3.1	2300048785	730	8	0.357	34.3	0.65	21.6	0.38	22	8.2	36.82	74.06	1	1	1	1	1	37.24	50.2883828
3778	19/12/2020	4	4.4	4.4.3.1	23000	748	13	0.512	34.2	0.75	20.5	0.65	26	13.3	51.95	74.17	1	1	1	1	1	22.22	29.96214571
3779	19/12/2020	4	4.4	4.4.3.4	23000	746	15	0.465	34.2	0.95	24.2	0.64	32	15.5	47.67	74.16	1	1	1	1	1	26.49	35.72034088
3780	19/12/2020	4	4.4	4.4.3.4	23000	748	13	0.474	32.7	0.80	21.1	0.60	26	12.7	48.39	74.17	1	1	1	1	1	25.78	34.7547424
3781	19/12/2020	4	4.4	4.4.3.4	23000	748	12	0.522	34.3	0.65	21.0	0.57	22	12.0	53.69	74.17	1	1	1	1	1	20.48	27.61648685
3782	19/12/2020	4	4.4	4.4.3.4	23000	734	9	0.418	34.3	0.62	17.9	0.51	21	9.1	42.93	74.08	1	1	1	1	1	31.16	42.05508644
3783	19/12/2020	4	4.4	4.4.3.4	23000	716	8	0.333	34.1	0.69	17.5	0.46	24	8.1	34.21	73.97	1	1	1	1	1	39.76	53.74633123
3784	19/12/2020	4	4.4	4.4.3.4	23000	708	6	0.301	34.3	0.57	16.5	0.36	20	5.9	30.38	73.92	1	1	1	1	1	43.54	58.89714756
3785	19/12/2020	4	4.4	4.4.3.4	23000	754	49	0.354	35.2	3.84	12.8	3.82	135	48.9	36.17	74.21	1	1	1	1	1	38.04	51.25527219
3786	19/12/2020	4	4.4	4.4.3.4	23000	752	32	0.326	34.8	2.75	15.8	2.03	96	32.1	33.52	74.20	1	1	1	1	1	40.68	54.83060169
3787	19/12/2020	4	4.4	4.4.3.4	23000	764	66	0.387	34.5	4.83	16.0	4.12	167	65.9	39.56	74.28	1	1	1	1	1	34.72	46.73955336
3788	19/12/2020	4	4.4	4.4.3.4	23000	755	76	0.363	34.6	5.88	15.2	4.96	203	75.4	37.06	74.22	1	1	1	1	1	37.16	50.06988198
3789	19/12/2020	4	4.4	4.4.3.4	2300048273	766	59	0.360	34.0	4.71	12.5	4.72	160	59.0	36.84	74.29	1	1	1	1	1	37.45	50.40576647
3790	19/12/2020	4	4.4	4.4.3.4	2300048281	767	32	0.341	34.7	2.61	16.2	1.95	91	31.6	34.88	74.29	1	1	1	1	1	39.41	53.05155354
3791	19/12/2020	4	4.4	4.4.3.4	2300047400	759	51	0.366	34.8	3.87	16.8	3.00	135	50.4	37.42	74.24	1	1	1	1	1	36.82	49.59410792
3792	19/12/2020	4	4.4	4.4.3.4	2300047420	737	55	0.371	34.2	4.25	14.9	3.70	145	55.1	37.93	74.10	1	1	1	1	1	36.17	48.81551498
3793	19/12/2020	4	4.4	4.4.3.4	2300047278	739	29	0.359	34.4	2.29	17.1	1.70	79	29.1	36.90	74.12	1	1	1	1	1	37.21	50.21007431
3794	19/12/2020	4	4.4	4.4.3.4	2300047372	734	28	0.338	34.3	2.32	16.0	1.73	80	27.7	34.78	74.08	1	1	1	1	1	39.30	53.04715606
3795	19/12/2020	4	4.4	4.4.3.4	23000	738	36	0.346	34.4	2.94	21.9	1.64	101	35.9	35.51	74.11	1	1	1	1	1	38.60	52.08074419
3796	19/12/2020	4	4.4	4.4.3.4	2300047998	732	33	0.334	34.4	2.80	15.9	2.08	96	33.1	34.34	74.07	1	1	1	1	1	39.74	53.64496107
3797	19/12/2020	4	4.4	4.4.3.4	2300047274	723	28	0.343	34.2	2.32	13.9	1.99	79	27.7	34.86	74.01	1	1	1	1	1	39.15	52.89742995
3798	19/12/2020	4	4.4	4.4.3.4	23000	735	19	0.349	34.5	1.51	17.5	1.07	52	18.7	35.94	74.09	1	1	1	1	1	38.15	51.48609994
3799	19/12/2020	4	4.4	4.4.3.4	2300047104	751	34	0.337	34.5	2.89	16.0	2.15	100	34.4	34.50	74.19	1	1	1	1	1	39.69	53.49688074
3800	19/12/2020	4	4.4	4.4.3.4	23000	761	44	0.316	34.9	3.86	14.4	3.03	135	43.6	32.39	74.26	1	1	1	1	1	41.87	56.38272811

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3801	19/12/2020	4	4.4	4.4.3.4	23000	774	93	0.405	34.6	6.46	17.9	5.19	224	92.9	41.56	74.34	1	1	1	1	1	32.78	44.08973482
3802	19/12/2020	4	4.4	4.4.3.4	2300047436	753	38	0.330	34.9	3.19	13.6	2.76	111	37.5	33.72	74.21	1	1	1	1	1	40.49	54.56426682
3803	19/12/2020	4	4.4	4.4.3.2	23000	724	94	0.376	34.5	7.03	14.3	6.55	243	93.7	38.62	74.02	1	1	1	1	1	35.40	47.82575376
3804	19/12/2020	4	4.4	4.4.3.2	23000	760	30	0.348	34.2	2.43	14.2	2.10	83	29.8	35.88	74.25	1	1	1	1	1	38.37	51.6742279
3805	19/12/2020	4	4.4	4.4.3.2	23000	777	25	0.425	34.0	1.71	29.9	0.85	58	25.4	43.71	74.36	1	1	1	1	1	30.65	41.21280831
3806	19/12/2020	4	4.4	4.4.3.2	23000	776	19	0.352	34.2	1.51	17.4	1.07	52	18.6	36.05	74.35	1	1	1	1	1	38.30	51.51192072
3807	19/12/2020	4	4.4	4.4.3.2	23000	764	22	0.390	34.1	1.60	17.7	1.24	55	21.9	40.23	74.28	1	1	1	1	1	34.05	45.84052808
3808	19/12/2020	4	4.4	4.4.3.2	23000	775	13	0.301	34.0	1.28	16.5	0.81	44	13.4	30.71	74.35	1	1	1	1	1	43.64	58.69311277
3809	19/12/2020	4	4.4	4.4.3.2	23000	796	14	0.355	34.4	1.15	15.2	0.95	40	14.4	36.50	74.48	1	1	1	1	1	37.98	50.99178216
3810	19/12/2020	4	4.4	4.4.3.2	23000	799	21	0.415	34.3	1.42	19.0	1.09	49	20.7	42.52	74.50	1	1	1	1	1	31.98	42.92529263
3811	19/12/2020	4	4.4	4.4.3.2	23000	798	23	0.402	34.1	1.63	15.4	1.50	56	23.1	41.56	74.49	1	1	1	1	1	32.93	44.21038481
3812	19/12/2020	4	4.4	4.4.3.2	23000	800	22	0.426	34.4	1.44	15.5	1.40	50	21.7	43.81	74.51	1	1	1	1	1	30.70	41.20403115
3813	19/12/2020	4	4.4	4.4.3.2	23000	802	21	0.403	34.2	1.49	18.9	1.11	51	21.0	41.17	74.52	1	1	1	1	1	33.35	44.75327278
3814	19/12/2020	4	4.4	4.4.3.2	23000	799	29	0.419	34.4	1.93	25.5	1.12	66	28.6	43.02	74.50	1	1	1	1	1	31.48	42.25844032
3815	19/12/2020	4	4.4	4.4.3.2	23000	799	20	0.344	34.7	1.65	15.2	1.33	57	20.2	35.31	74.50	1	1	1	1	1	39.19	52.6055084
3816	19/12/2020	4	4.4	4.4.3.2	23000	789	19	0.396	34.0	1.39	16.1	1.20	47	19.3	40.88	74.44	1	1	1	1	1	33.56	45.07972397
3817	19/12/2020	4	4.4	4.4.3.2	23000	781	12	0.338	34.5	1.01	17.2	0.70	35	12.0	34.55	74.38	1	1	1	1	1	39.83	53.54802819
3818	19/12/2020	4	4.4	4.4.3.2	23000	712	18	0.373	34.4	1.35	18.1	0.98	46	17.7	38.20	73.94	1	1	1	1	1	35.75	48.34450264
3819	19/12/2020	4	4.4	4.4.3.2	23000	772	24	0.395	34.5	1.70	16.9	1.40	59	23.7	40.34	74.33	1	1	1	1	1	33.99	45.72481801
3820	19/12/2020	4	4.4	4.4.3.2	23000	774	65	0.568	34.3	3.26	29.1	2.24	112	65.2	58.29	74.34	1	1	1	1	0	16.04	21.58320877
3821	19/12/2020	4	4.4	4.4.3.2	23000	771	23	0.388	34.5	1.69	28.2	0.82	58	23.1	39.66	74.32	1	1	1	1	1	34.66	46.6359082
3822	19/12/2020	4	4.4	4.4.3.2	2300048274	752	31	0.316	34.3	2.80	11.5	2.69	96	30.9	32.21	74.20	1	1	1	1	1	41.99	56.58887034
3823	19/12/2020	4	4.4	4.4.3.2	2300048289	752	94	0.392	34.6	6.72	14.3	6.57	233	94.0	40.41	74.20	1	1	1	1	1	33.79	45.54231775
3824	19/12/2020	4	4.4	4.4.3.2	2300047472	792	37	0.361	34.2	2.90	15.6	2.34	99	36.5	36.81	74.45	1	1	1	1	1	37.65	50.56623935
3825	19/12/2020	4	4.4	4.4.3.2	2300047108	796	41	0.330	34.4	3.55	11.0	3.76	122	41.4	33.87	74.48	1	1	1	1	1	40.61	54.5271961
3826	19/12/2020	4	4.4	4.4.4.1	2300047120	807	69	0.387	34.4	5.06	15.6	4.45	174	69.4	39.88	74.55	1	1	1	1	1	34.67	46.50374976
3827	19/12/2020	4	4.4	4.4.4.1	2300047469	801	25	0.359	34.4	1.96	19.1	1.30	67	24.8	36.83	74.51	1	1	1	1	1	37.69	50.57648222
3828	19/12/2020	4	4.4	4.4.4.1	2300046733	788	101	0.418	34.7	6.76	18.2	5.54	235	100.8	42.98	74.43	1	1	1	1	1	31.45	42.24871779
3829	19/12/2020	4	4.4	4.4.4.1	2300047227	784	43	0.415	34.6	2.89	20.2	2.11	100	42.6	42.62	74.40	1	1	1	1	1	31.78	42.71170014
3830	19/12/2020	4	4.4	4.4.4.1	2300048287	786	117	0.610	34.4	5.43	20.5	5.70	187	116.9	62.56	74.42	1	1	1	0	0	11.86	15.93759943

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3831	19/12/2020	4	4.4	4.4.4.1	2300048280	791	48	0.351	34.4	3.87	14.5	3.30	133	47.9	35.94	74.45	1	1	1	1	1	38.51	51.72112229
3832	19/12/2020	4	4.4	4.4.4.1	2300043271	811	12	0.330	34.2	1.03	17.1	0.70	35	12.0	33.98	74.58	1	1	1	1	1	40.60	54.43520668
3833	19/12/2020	4	4.4	4.4.4.1	2300048272	810	37	0.366	34.5	2.88	14.7	2.53	99	37.2	37.43	74.57	1	1	1	1	1	37.14	49.80480682
3834	19/12/2020	4	4.4	4.4.4.1	2300046774	812	23	0.350	33.6	1.91	14.3	1.61	64	23.0	35.87	74.58	1	1	1	1	1	38.71	51.89938987
3835	19/12/2020	4	4.4	4.4.4.1	2300048118	816	28	0.361	34.4	2.21	17.3	1.63	76	28.2	37.09	74.61	1	1	1	1	1	37.52	50.2841047
3836	19/12/2020	4	4.4	4.4.4.1	2300046745	815	28	0.359	34.6	2.23	16.2	1.75	77	28.4	36.74	74.60	1	1	1	1	1	37.86	50.74825403
3837	19/12/2020	4	4.4	4.4.4.1	2300051698	811	28	0.437	34.6	1.81	17.1	1.64	63	28.0	44.78	74.58	1	1	1	1	1	29.80	39.95402933
3838	19/12/2020	4	4.4	4.4.4.1	2300051061	807	19	0.352	34.5	1.54	16.9	1.13	53	19.1	35.94	74.55	1	1	1	1	1	38.61	51.78601549
3839	19/12/2020	4	4.4	4.4.4.1	2300050994	802	33	0.365	34.5	2.52	24.6	1.32	87	32.5	37.35	74.52	1	1	1	1	1	37.17	49.87855886
3840	19/12/2020	4	4.4	4.4.4.1	2300051054	786	75	0.387	34.5	5.48	17.1	4.39	189	75.1	39.71	74.42	1	1	1	1	1	34.71	46.64288732
3841	19/12/2020	4	4.4	4.4.4.1	2300051057	780	93	0.429	34.6	6.06	15.2	6.08	210	92.4	44.08	74.38	1	1	1	1	1	30.30	40.74105053
3842	19/12/2020	4	4.4	4.4.4.1	2300047137	800	27	0.341	34.3	2.29	15.1	1.82	79	27.5	34.99	74.51	1	1	1	1	1	39.52	53.04006525
3843	19/12/2020	4	4.4	4.4.4.1	2300047374	883	122	0.455	33.9	7.67	27.7	4.40	260	121.9	46.87	75.04	1	1	1	1	1	28.16	37.53154522
3844	19/12/2020	4	4.4	4.4.4.1	2300047129	771	126	0.623	32.9	5.99	22.7	5.56	197	126.2	64.04	74.32	1	1	0	0	0	10.28	13.82726243
3845	19/12/2020	4	4.4	4.4.4.1	2300047358	699	133	0.424	34.8	8.84	16.3	8.19	308	133.5	43.40	73.86	1	1	1	1	1	30.46	41.24659431
3846	19/12/2020	4	4.4	4.4.4.3	2300047155	916	123	0.502	33.8	6.99	20.0	6.12	236	122.4	51.81	75.25	1	1	1	1	1	23.44	31.15216756
3847	19/12/2020	4	4.4	4.4.4.3	2300047280	891	94	0.403	33.6	6.75	15.0	6.27	227	94.1	41.47	75.09	1	1	1	1	1	33.62	44.77408765
3848	19/12/2020	4	4.4	4.4.4.3	2300048856	946	23	0.866	12.2	2.13	10.8	2.14	26	23.1	88.94	75.44	1	1	1	0	0	-13.50	-17.89465402
3849	19/12/2020	4	4.4	4.4.4.3	2300047261	887	108	0.429	34.0	7.22	16.1	6.72	245	108.2	44.07	75.06	1	1	1	1	1	30.99	41.28429579
3850	19/12/2020	4	4.4	4.4.4.3	2300047727	762	26	0.785	12.6	2.61	10.0	2.62	33	26.2	79.67	74.26	1	0	0	0	0	-5.41	-7.280038093
3851	19/12/2020	4	4.4	4.4.4.3	2300047246	699	108	0.445	34.4	6.91	16.9	6.39	238	108.0	45.43	73.86	1	1	1	1	1	28.43	38.49022739
3852	19/12/2020	4	4.4	4.4.4.3	2300046773	812	126	0.689	33.7	5.31	25.7	4.91	179	126.2	70.52	74.58	1	0	0	0	0	4.07	5.452182156
3853	19/12/2020	4	4.4	4.4.4.3	2300049813	717	105	0.619	22.7	7.26	15.9	6.62	165	105.3	63.87	73.97	1	1	0	0	0	10.11	13.66063779
3854	19/12/2020	4	4.4	4.4.4.3	2300047218	751	119	0.640	24.3	7.43	16.8	7.08	181	118.9	65.88	74.19	1	1	0	0	0	8.31	11.20509804
3855	19/12/2020	4	4.4	4.4.4.3	2300047125	753	116	0.637	23.0	7.72	16.3	7.14	178	116.4	65.55	74.21	1	1	0	0	0	8.66	11.67038451
3856	19/12/2020	4	4.4	4.4.4.3	2300047041	845	18	0.867	11.3	1.75	10.0	1.76	20	17.6	89.00	74.79	1	1	1	0	0	-14.21	-18.99519243
3857	19/12/2020	4	4.4	4.4.4.3	2300051566	769	90	0.388	33.7	6.66	13.6	6.60	224	89.8	39.99	74.31	1	1	1	1	1	34.32	46.17977869
3858	19/12/2020	4	4.4	4.4.4.3	2300046631	862	99	0.426	34.1	6.63	16.9	5.87	226	99.2	43.88	74.90	1	1	1	1	1	31.02	41.41872149
3859	19/12/2020	4	4.4	4.4.4.3	2300051051	878	101	0.435	34.1	6.55	15.7	6.42	223	100.8	45.13	75.01	1	1	1	1	1	29.88	39.83448645
3860	19/12/2020	4	4.4	4.4.4.3	2300051070	870	104	0.439	34.0	6.72	17.5	5.94	228	104.0	45.50	74.95	1	1	1	1	1	29.46	39.30100658

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3861	19/12/2020	4	4.4	4.4.3	2300046632	905	37	0.379	34.4	2.77	18.1	2.06	95	37.3	39.13	75.18	1	1	1	1	1	36.05	47.95046957
3862	19/12/2020	4	4.4	4.4.3	2300051052	867	92	0.618	23.7	6.06	16.5	5.57	144	91.9	63.99	74.93	1	1	0	0	0	10.94	14.60457256
3863	19/12/2020	4	4.4	4.4.3	2300051058	918	26	0.377	34.3	1.97	17.8	1.48	68	26.3	38.99	75.26	1	1	1	1	1	36.27	48.19755803
3864	19/12/2020	4	4.4	4.4.3	2300046633	859	129	0.522	34.3	6.98	23.1	5.60	239	129.4	54.03	74.88	1	1	1	1	1	20.85	27.84544552
3865	19/12/2020	4	4.4	4.4.3	2300050995	873	31	0.464	22.6	2.84	10.8	2.86	64	30.9	48.12	74.97	1	1	1	1	1	26.85	35.81153921
3866	19/12/2020	4	4.3	4.3.5.1	2300050052	871	126	0.479	34.2	7.44	17.9	7.06	254	126.4	49.67	74.96	1	1	1	1	1	25.29	33.74375866
3867	19/12/2020	4	4.3	4.3.5.1	2300053495	873	19	0.498	34.8	1.07	20.5	0.92	37	18.9	50.65	74.97	1	1	1	1	1	24.32	32.44264792
3868	19/12/2020	4	4.3	4.3.5.1	2300052532	840	8	0.366	34.6	0.60	16.4	0.47	21	7.7	37.13	74.76	1	1	1	1	1	37.63	50.33694335
3869	19/12/2020	4	4.3	4.3.5.1	2300052046	711	18	0.415	33.9	1.27	14.3	1.28	43	18.3	42.52	73.94	1	1	1	1	1	31.42	42.49782299
3870	19/12/2020	4	4.3	4.3.5.1	2300050999	759	12	0.381	33.8	0.93	15.7	0.78	31	12.2	38.96	74.24	1	1	1	1	1	35.29	47.52703751
3871	19/12/2020	4	4.3	4.3.5.1	2300050022	889	9	0.417	34.0	0.62	15.5	0.58	21	9.0	42.65	75.08	1	1	1	1	1	32.43	43.19451483
3872	19/12/2020	4	4.3	4.3.5.1	2300051489	897	12	0.502	34.1	0.69	20.1	0.60	24	12.1	51.26	75.13	1	1	1	1	1	23.87	31.7741512
3873	19/12/2020	4	4.3	4.3.5.1	2300052065	880	17	0.499	33.9	0.98	26.0	0.65	33	16.9	50.87	75.02	1	1	1	1	1	24.15	32.18973382
3874	19/12/2020	4	4.3	4.3.5.1	-	841	12	0.560	33.7	0.62	23.7	0.50	21	11.9	56.71	74.77	1	1	1	1	0	18.05	24.14596759
3875	19/12/2020	4	4.3	4.3.5.1	2300052112	876	9	0.383	33.8	0.64	16.3	0.52	22	8.5	39.18	74.99	1	1	1	1	1	35.81	47.7511157
3876	19/12/2020	4	4.3	4.3.5.1	2300052080	892	11	0.501	34.1	0.63	18.6	0.59	21	11.0	51.08	75.09	1	1	1	1	1	24.01	31.97631383
3877	19/12/2020	4	4.3	4.3.5.1	2300052058	904	15	0.431	33.9	1.02	21.3	0.72	35	15.3	44.35	75.17	1	1	1	1	1	30.82	40.99912726
3878	19/12/2020	4	4.3	4.3.5.1	2300052066	904	17	0.590	33.9	0.83	19.4	0.87	28	16.9	59.99	75.17	1	1	1	1	0	15.19	20.20247935
3879	19/12/2020	4	4.3	4.3.5.1	2300050228	895	12	0.408	34.0	0.87	18.3	0.68	30	12.4	42.07	75.11	1	1	1	1	1	33.05	43.99317635
3880	19/12/2020	4	4.3	4.3.5.1	2300050229	902	13	0.523	33.8	0.70	16.1	0.80	24	12.9	54.44	75.16	1	1	1	1	1	20.72	27.56953301
3881	19/12/2020	4	4.3	4.3.5.1	2300080830	899	12	0.528	33.8	0.64	17.7	0.66	22	11.7	54.00	75.14	1	1	1	1	1	21.14	28.12933739
3882	19/12/2020	4	4.3	4.3.5.1	2300050044	893	19	0.490	34.1	1.09	18.4	1.02	37	18.8	50.49	75.10	1	1	1	1	1	24.61	32.76580004
3883	19/12/2020	4	4.3	4.3.5.1	2300052825	864	20	0.461	34.0	1.22	16.7	1.18	41	19.7	47.51	74.92	1	1	1	1	1	27.41	36.5856612
3884	19/12/2020	4	4.3	4.3.5.1	2300052048	883	16	0.498	34.0	0.95	20.0	0.83	32	16.6	51.39	75.04	1	1	1	1	1	23.64	31.50971937
3885	19/12/2020	4	4.3	4.3.5.1	2300052828	895	13	0.407	34.0	0.88	24.3	0.52	30	12.6	42.23	75.11	1	1	1	1	1	32.88	43.77530111
3886	19/12/2020	4	4.3	4.3.5.1	2300052091	883	15	0.481	34.2	0.88	18.3	0.81	30	14.8	49.25	75.04	1	1	1	1	1	25.78	34.36269964
3887	19/12/2020	4	4.3	4.3.5.1	2300052085	880	14	0.640	33.9	0.63	19.0	0.74	21	14.1	65.83	75.02	1	1	0	0	0	9.18	12.24343987
3888	19/12/2020	4	4.3	4.3.5.1	-	742	13	0.360	34.1	1.03	21.6	0.60	35	13.0	36.90	74.13	1	1	1	1	1	37.24	50.22729115
3889	19/12/2020	4	4.3	4.3.4.2	2300053881	817	20	0.482	34.4	1.18	18.2	1.11	41	20.2	49.77	74.61	1	1	1	1	1	24.85	33.29952332
3890	19/12/2020	4	4.3	4.3.4.2	23000	877	16	0.353	34.8	1.25	13.1	1.20	44	15.7	36.14	75.00	1	1	1	1	1	38.86	51.815321

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3891	19/12/2020	4	4.3	4.3.4.2	2300051957	909	15	0.524	33.6	0.82	21.8	0.68	28	14.8	53.80	75.20	1	1	1	1	1	21.40	28.45592949
3892	19/12/2020	4	4.3	4.3.4.2	2300051900	906	21	0.825	33.8	0.72	22.1	0.93	24	20.6	84.46	75.18	1	1	0	0	0	-9.27	-12.33065397
3893	19/12/2020	4	4.3	4.3.4.2	vspl22010123070316	926	18	0.529	33.8	0.96	23.9	0.74	32	17.7	54.51	75.31	1	1	1	1	1	20.81	27.62722923
3894	19/12/2020	4	4.3	4.3.4.2	2300051970	949	20	0.570	33.6	0.99	27.1	0.72	33	19.5	58.66	75.46	1	1	1	1	0	16.80	22.26567772
3895	19/12/2020	4	4.3	4.3.4.2	2300051971	938	12	0.457	33.6	0.75	15.3	0.77	25	11.8	46.75	75.39	1	1	1	1	1	28.64	37.98846519
3896	19/12/2020	4	4.3	4.3.4.2	2300051980	945	11	0.417	33.8	0.73	19.2	0.55	25	10.6	42.80	75.43	1	1	1	1	1	32.64	43.26419512
3897	19/12/2020	4	4.3	4.3.4.2	2300051869	832	20	0.805	33.5	0.73	20.6	0.99	24	20.4	83.39	74.71	1	1	0	0	0	-8.68	-11.62240126
3898	19/12/2020	4	4.3	4.3.4.2	2300052536	767	12	0.525	32.6	0.70	18.1	0.69	23	12.5	54.73	74.29	1	1	1	1	1	19.57	26.33628666
3899	19/12/2020	4	4.3	4.3.4.2	2300052525	743	15	0.363	33.6	1.18	14.7	1.00	40	14.7	37.08	74.14	1	1	1	1	1	37.06	49.99235083
3900	19/12/2020	4	4.3	4.3.4.2	2300052539	709	17	0.556	33.7	0.90	19.3	0.90	30	17.4	57.27	73.92	1	1	1	1	0	16.65	22.52808349
3901	20/12/2020	4	4.3	4.3.4.2	2300052530	886	10	0.378	34.5	0.76	15.4	0.66	26	10.2	38.76	75.06	1	1	1	1	1	36.29	48.35310239
3902	20/12/2020	4	4.3	4.3.4.2	2300053488	873	12	0.491	35.3	0.68	20.6	0.59	24	12.2	50.63	74.97	1	1	1	1	1	24.34	32.46489706
3903	20/12/2020	4	4.3	4.3.4.2	2300051006	718	17	0.524	33.4	0.96	19.9	0.87	32	17.3	54.00	73.98	1	1	1	1	1	19.99	27.0150596
3904	20/12/2020	4	4.3	4.3.4.2	2300053492	693	11	0.351	33.6	0.87	17.8	0.60	29	10.7	36.54	73.82	1	1	1	1	1	37.29	50.50838543
3905	20/12/2020	4	4.3	4.3.4.2	2300050827	783	13	0.459	33.5	0.81	21.1	0.61	27	12.9	47.43	74.40	1	1	1	1	1	26.96	36.24329363
3906	20/12/2020	4	4.3	4.3.4.2	2300053490	748	7	0.326	32.9	0.60	16.7	0.40	20	6.7	33.84	74.17	1	1	1	1	1	40.33	54.3771619
3907	20/12/2020	4	4.3	4.3.4.2	2300052535	944	18	0.489	33.8	1.04	16.8	1.05	35	17.6	50.18	75.43	1	1	1	1	1	25.25	33.4698884
3908	20/12/2020	4	4.3	4.3.4.2	2300052220	945	19	0.507	33.9	1.08	17.8	1.07	37	19.0	52.02	75.43	1	1	1	1	1	23.41	31.03746953
3909	20/12/2020	4	4.3	4.3.4.2	2300052209	935	11	0.486	33.8	0.65	15.6	0.71	22	11.1	50.41	75.37	1	1	1	1	1	24.96	33.11105057
3910	20/12/2020	4	4.3	4.3.4.2	23000	950	17	0.549	33.8	0.87	21.8	0.76	29	16.6	56.34	75.47	1	1	1	1	1	19.12	25.34089116
3911	20/12/2020	4	4.3	4.3.4.2	2300050934	915	12	0.445	33.8	0.76	22.4	0.53	26	11.9	46.22	75.24	1	1	1	1	1	29.03	38.57668317
3912	20/12/2020	4	4.3	4.3.5.3	2300050846	911	11	0.515	33.9	0.61	18.7	0.59	21	11.0	53.35	75.22	1	1	1	1	1	21.86	29.06647514
3913	20/12/2020	4	4.3	4.3.5.3	2300052543	903	18	0.558	34.7	0.93	22.1	0.84	32	18.6	57.53	75.17	1	1	1	1	0	17.64	23.46813107
3914	20/12/2020	4	4.3	4.3.5.3	2300052542	692	15	0.792	34.1	0.54	22.7	0.66	18	15.0	81.36	73.81	1	1	0	0	0	-7.55	-10.22451753
3915	20/12/2020	4	4.3	4.3.5.3	2300050023	924	7	0.496	34.0	0.38	17.8	0.37	13	6.6	50.98	75.30	1	1	1	1	1	24.32	32.30344889
3916	20/12/2020	4	4.3	4.3.5.3	2300052064	868	12	0.387	33.9	0.92	23.9	0.52	31	12.4	39.85	74.94	1	1	1	1	1	35.09	46.82676586
3917	20/12/2020	4	4.3	4.3.5.3	2300050834	749	11	0.755	33.7	0.43	22.2	0.51	14	11.3	78.13	74.18	1	0	0	0	0	-3.95	-5.327143691
3918	20/12/2020	4	4.3	4.3.5.3	2300052053	954	9	0.694	35.5	0.37	21.6	0.43	13	9.3	70.71	75.49	1	0	0	0	0	4.78	6.331514236
3919	20/12/2020	4	4.3	4.3.5.3	2300052060	921	6	0.480	35.1	0.37	26.6	0.24	13	6.4	49.16	75.28	1	1	1	1	1	26.12	34.70166317

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3920	20/12/2020	4	4.3	4.3.5.3	2300052083	924	9	0.756	35.0	0.34	22.1	0.42	12	9.3	78.00	75.30	0	0	0	0	0	-2.70	-3.586207629
3921	20/12/2020	4	4.3	4.3.5.3	2300052106	930	12	0.674	34.5	0.50	22.2	0.54	17	12.0	69.50	75.34	1	0	0	0	0	5.84	7.754848584
3922	20/12/2020	4	4.3	4.3.5.3	2300050225	931	9	0.397	34.5	0.66	18.1	0.52	23	9.4	41.34	75.34	1	1	1	1	1	34.01	45.13847077
3923	20/12/2020	4	4.3	4.3.5.3	2300050223	929	14	0.860	34.4	0.46	22.3	0.62	16	13.8	87.37	75.33	1	1	1	0	0	-12.04	-15.98533644
3924	20/12/2020	4	4.3	4.3.5.3	2300052818	930	6	0.511	34.5	0.35	22.0	0.29	12	6.4	52.84	75.34	1	1	1	1	1	22.50	29.86747866
3925	20/12/2020	4	4.3	4.3.5.3	2300052833	932	15	0.479	34.4	0.87	20.0	0.74	30	14.8	49.45	75.35	1	1	1	1	1	25.90	34.37094473
3926	20/12/2020	4	4.3	4.3.5.3	2300052828	935	10	0.473	34.8	0.58	18.4	0.54	20	9.9	49.23	75.37	1	1	1	1	1	26.14	34.68606795
3927	20/12/2020	4	4.3	4.3.5.3	2300050227	927	9	0.737	35.0	0.33	22.8	0.38	12	8.7	75.01	75.32	0	0	0	0	0	0.31	0.406024773
3928	20/12/2020	4	4.3	4.3.5.3	2300052802	915	8	0.576	34.3	0.38	21.0	0.37	13	7.8	59.61	75.24	1	1	1	1	0	15.63	20.77121952
3929	20/12/2020	4	4.3	4.3.5.3	2300052050	956	19	0.352	35.5	1.50	22.8	0.85	53	19.4	36.39	75.50	1	1	1	1	1	39.11	51.79835056
3930	20/12/2020	4	4.3	4.3.5.3	2300050224	769	15	0.443	35.8	0.91	22.2	0.68	33	15.1	46.34	74.31	1	1	1	1	1	27.97	37.64026893
3931	20/12/2020	4	4.3	4.3.5.3	2300052803	933	12	0.809	33.9	0.42	26.5	0.45	14	11.9	83.75	75.36	1	1	0	0	0	-8.40	-11.14364763
3932	20/12/2020	4	4.3	4.3.5.3	2300052785	936	14	0.901	33.9	0.43	26.1	0.52	15	13.6	93.11	75.38	1	1	1	1	0	-17.73	-23.52085968
3933	20/12/2020	4	4.3	4.3.5.3	2300053258	942	20	0.534	34.4	1.05	21.6	0.92	36	19.9	55.02	75.41	1	1	1	1	1	20.40	27.04799151
3934	20/12/2020	4	4.3	4.3.5.3	2300052779	915	15	0.801	34.3	0.51	22.0	0.66	17	14.5	83.00	75.24	1	1	0	0	0	-7.76	-10.31688475
3935	20/12/2020	4	4.3	4.3.5.3	2300052828	831	21	0.507	34.2	1.19	20.3	1.05	41	21.3	52.37	74.70	1	1	1	1	1	22.33	29.8922406
3936	20/12/2020	4	4.3	4.3.5.4	23000	926	18	0.480	34.2	1.08	23.6	0.77	37	18.2	49.20	75.31	1	1	1	1	1	26.11	34.673953
3937	20/12/2020	4	4.3	4.3.5.4	23000	923	23	0.466	34.1	1.41	19.1	1.21	48	23.1	48.07	75.29	1	1	1	1	1	27.23	36.16049798
3938	20/12/2020	4	4.3	4.3.5.4	23000	934	29	0.459	34.0	1.84	16.8	1.75	63	29.4	46.99	75.36	1	1	1	1	1	28.37	37.64246279
3939	20/12/2020	4	4.3	4.3.5.4	2300052816	933	13	0.407	33.8	0.95	30.3	0.44	32	13.3	41.52	75.36	1	1	1	1	1	33.84	44.902709
3940	20/12/2020	4	4.3	4.3.5.4	2300052184	929	21	0.408	33.7	1.45	21.6	0.95	49	20.5	41.99	75.33	1	1	1	1	1	33.34	44.25546955
3941	20/12/2020	4	4.3	4.3.5.4	2300053352	924	20	0.412	33.8	1.40	20.6	0.98	47	20.2	42.66	75.30	1	1	1	1	1	32.64	43.34269785
3942	20/12/2020	4	4.3	4.3.5.4	23000	931	21	0.410	33.8	1.49	16.0	1.33	50	21.3	42.25	75.34	1	1	1	1	1	33.09	43.91875115
3943	20/12/2020	4	4.3	4.3.5.4	2300052822	935	21	0.489	33.7	1.22	18.9	1.10	41	20.8	50.57	75.37	1	1	1	1	1	24.80	32.90869453
3944	20/12/2020	4	4.3	4.3.5.4	23000	920	19	0.443	33.7	1.24	13.2	1.44	42	19.0	45.49	75.27	1	1	1	1	1	29.79	39.57177431
3945	20/12/2020	4	4.3	4.3.5.4	2300053338	902	19	0.475	33.8	1.17	27.3	0.71	40	19.4	49.01	75.16	1	1	1	1	1	26.14	34.78633679
3946	20/12/2020	4	4.3	4.3.5.4	2300053337	956	19	0.523	35.2	0.98	22.7	0.82	34	18.6	53.96	75.50	1	1	1	1	1	21.54	28.53412595
3947	20/12/2020	4	4.3	4.3.5.4	2300052812	952	24	0.603	35.1	1.08	24.0	0.98	38	23.5	62.04	75.48	1	1	1	0	0	13.43	17.7981752
3948	20/12/2020	4	4.3	4.3.5.4	2300053368	953	11	0.320	35.4	0.98	19.0	0.60	35	11.4	32.86	75.49	1	1	1	1	1	42.62	56.46749049
3949	20/12/2020	4	4.3	4.3.5.4	2300053336	928	10	0.333	33.7	0.82	17.1	0.56	28	9.6	34.65	75.33	1	1	1	1	1	40.67	53.99552376

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3950	20/12/2020	4	4.3	4.3.5.4	2300053365	931	30	0.452	33.9	1.93	26.2	1.16	65	30.4	46.45	75.34	1	1	1	1	1	28.89	38.34741444
3951	20/12/2020	4	4.3	4.3.5.4	2300053365	933	17	0.391	33.7	1.28	17.8	0.98	43	17.4	40.44	75.36	1	1	1	1	1	34.92	46.33619606
3952	20/12/2020	4	4.3	4.3.5.4	2300053373	927	23	0.553	33.9	1.21	20.2	1.16	41	23.4	57.12	75.32	1	1	1	1	0	18.19	24.15605789
3953	20/12/2020	4	4.3	4.3.5.4	2300053363	928	21	0.465	33.8	1.27	25.1	0.82	43	20.6	47.95	75.33	1	1	1	1	1	27.38	36.34583007
3954	20/12/2020	4	4.3	4.3.5.4	2300052826	932	19	0.574	33.9	0.93	21.0	0.88	32	18.5	58.62	75.35	1	1	1	1	0	16.73	22.20862417
3955	20/12/2020	4	4.3	4.3.5.4	2300052761	934	15	0.409	34.1	1.07	18.1	0.85	36	15.4	42.17	75.36	1	1	1	1	1	33.20	44.05030697
3956	20/12/2020	4	4.3	4.3.5.4	23000	924	22	0.384	34.1	1.62	17.5	1.25	55	21.9	39.60	75.30	1	1	1	1	1	35.70	47.41207935
3957	20/12/2020	4	4.3	4.3.5.4	2300053618	926	22	0.461	34.0	1.35	16.8	1.29	46	21.7	47.22	75.31	1	1	1	1	1	28.10	37.30688934
3958	20/12/2020	4	4.3	4.3.5.4	2300052033	782	110	0.601	22.9	7.75	15.3	7.17	177	109.7	61.81	74.39	1	1	1	0	0	12.58	16.90896427
3959	20/12/2020	4	4.3	4.3.5.4	2300052534	753	62	0.406	34.1	4.37	17.8	3.49	149	62.1	41.69	74.21	1	1	1	1	1	32.52	43.82083585
3960	20/12/2020	4	4.3	4.3.5.2	23000	743	59	0.400	34.6	4.15	18.1	3.26	144	59.0	41.09	74.14	1	1	1	1	1	33.05	44.57414918
3961	20/12/2020	4	4.3	4.3.5.2	2300053369	857	20	0.344	34.6	1.66	17.5	1.15	57	20.1	35.04	74.87	1	1	1	1	1	39.83	53.20071386
3962	20/12/2020	4	4.3	4.3.5.2	23000	803	125	0.508	33.2	7.21	20.5	6.08	239	124.6	52.07	74.53	1	1	1	1	1	22.46	30.13157687
3963	20/12/2020	4	4.3	4.3.5.2	2300052819	797	19	0.342	34.3	1.59	17.8	1.08	55	19.2	35.25	74.49	1	1	1	1	1	39.24	52.6768989
3964	20/12/2020	4	4.3	4.3.5.2	2300053616	708	109	0.410	33.9	7.62	15.3	7.12	258	108.9	42.17	73.92	1	1	1	1	1	31.75	42.94795087
3965	20/12/2020	4	4.3	4.3.5.2	2300052811	680	45	0.405	33.6	3.18	18.8	2.37	107	44.6	41.70	73.74	1	1	1	1	1	32.04	43.44793812
3966	20/12/2020	4	4.3	4.3.5.2	2300052809	702	51	0.443	34.0	3.29	21.9	2.32	112	50.8	45.42	73.88	1	1	1	1	1	28.46	38.51949133
3967	20/12/2020	4	4.3	4.3.5.2	2300052813	821	110	0.426	34.7	7.22	17.2	6.39	251	109.9	43.87	74.64	1	1	1	1	1	30.77	41.22553636
3968	20/12/2020	4	4.3	4.3.5.2	2300052824	787	130	0.477	34.4	7.67	19.8	6.56	264	129.9	49.23	74.42	1	1	1	1	1	25.19	33.85314233
3969	20/12/2020	4	4.3	4.3.5.2	2300053617	721	19	0.441	34.1	1.26	19.6	0.99	43	19.4	45.16	74.00	1	1	1	1	1	28.84	38.97155918
3970	20/12/2020	4	4.3	4.3.5.2	2300052670	858	22	0.368	34.1	1.72	17.6	1.25	59	22.0	37.51	74.88	1	1	1	1	1	37.37	49.90547544
3971	20/12/2020	4	4.3	4.3.5.2	2300053274	766	44	0.388	33.8	3.29	17.6	2.51	111	44.2	39.73	74.29	1	1	1	1	1	34.56	46.52475459
3972	20/12/2020	4	4.3	4.3.5.2	2300053499	815	31	0.373	33.9	2.41	17.5	1.78	82	31.2	38.13	74.60	1	1	1	1	1	36.47	48.89177011
3973	20/12/2020	4	4.3	4.3.5.2	2300053510	861	51	0.406	34.0	3.64	17.4	2.97	124	51.7	41.76	74.90	1	1	1	1	1	33.14	44.24748622
3974	20/12/2020	4	4.3	4.3.5.2	2300053511	975	31	0.349	34.0	2.56	16.1	1.93	87	31.1	35.70	75.63	1	1	1	1	1	39.93	52.79443801
3975	20/12/2020	4	4.3	4.3.5.2	2300053507	1006	25	0.359	33.8	1.99	16.6	1.49	67	24.7	36.77	75.82	1	1	1	1	1	39.05	51.50291925
3976	20/12/2020	4	4.3	4.3.5.2	2300052808	982	19	0.373	33.7	1.51	17.2	1.13	51	19.4	38.19	75.67	1	1	1	1	1	37.48	49.52553588
3977	20/12/2020	4	4.3	4.3.5.2	23000	793	16	0.365	33.7	1.29	17.5	0.93	43	16.3	37.44	74.46	1	1	1	1	1	37.02	49.72276853
3978	20/12/2020	4	4.3	4.3.5.2	23000	948	22	0.369	34.1	1.73	17.4	1.28	59	22.3	37.75	75.45	1	1	1	1	1	37.70	49.9641741
3979	20/12/2020	4	4.3	4.3.5.2	2300052801	907	19	0.351	34.0	1.55	18.0	1.05	53	18.9	35.86	75.19	1	1	1	1	1	39.33	52.30350308

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
3980	20/12/2020	4	4.3	4.3.5.2	2300052815	868	33	0.375	34.1	2.51	16.5	2.00	86	33.0	38.56	74.94	1	1	1	1	1	36.39	48.55239095
3981	20/12/2020	4	4.3	4.3.5.2	2300053518	952	15	0.361	34.1	1.16	17.7	0.82	40	14.5	36.69	75.48	1	1	1	1	1	38.79	51.38729768
3982	20/12/2020	4	4.3	4.3.5.2	2300053024	667	28	0.363	33.2	2.27	16.6	1.68	75	27.9	37.00	73.65	1	1	1	1	1	36.65	49.75968262
3983	20/12/2020	4	4.3	4.3.5.2	2300053638	997	18	0.371	33.4	1.43	17.1	1.06	48	18.1	37.95	75.77	1	1	1	1	1	37.82	49.91121166
3984	20/12/2020	4	4.3	4.3.4.4	2300051956	967	116	0.448	34.4	7.35	28.1	4.14	253	116.3	46.01	75.57	1	1	1	1	1	29.56	39.11870624
3985	20/12/2020	4	4.3	4.3.4.4	2300051856	904	107	0.438	34.0	6.95	26.9	3.96	236	106.5	45.08	75.17	1	1	1	1	1	30.09	40.03056597
3986	20/12/2020	4	4.3	4.3.4.4	2300051888	735	108	0.415	33.3	7.58	15.4	6.99	252	107.6	42.65	74.09	1	1	1	1	1	31.44	42.43945959
3987	20/12/2020	4	4.3	4.3.4.4	2300051863	810	10	0.388	33.6	0.75	15.8	0.63	25	10.0	39.50	74.57	1	1	1	1	1	35.07	47.02963658
3988	20/12/2020	4	4.3	4.3.4.4	2300051873	778	7	0.377	33.1	0.52	18.0	0.37	17	6.7	38.69	74.37	1	1	1	1	1	35.67	47.96768587
3989	20/12/2020	4	4.3	4.3.4.4	2300051859	763	15	0.320	34.0	1.37	10.7	1.43	47	15.3	32.85	74.27	1	1	1	1	1	41.42	55.7705453
3990	20/12/2020	4	4.3	4.3.4.4	2300051889	756	16	0.326	34.1	1.37	15.3	1.02	47	15.6	33.41	74.22	1	1	1	1	1	40.82	54.99404716
3991	20/12/2020	4	4.3	4.3.4.4	2300052431	729	22	0.348	33.9	1.80	16.4	1.33	61	21.8	35.75	74.05	1	1	1	1	1	38.31	51.72871732
3992	20/12/2020	4	4.3	4.3.4.4	2300051931	738	11	0.383	33.9	0.80	19.4	0.55	27	10.7	39.34	74.11	1	1	1	1	1	34.77	46.91123664
3993	20/12/2020	4	4.3	4.3.4.4	2300052549	734	31	0.342	34.2	2.56	12.3	2.49	88	30.6	34.98	74.08	1	1	1	1	1	39.10	52.7810518
3994	20/12/2020	4	4.3	4.3.4.4	2300053489	726	17	0.334	34.2	1.44	16.9	1.00	49	16.9	34.32	74.03	1	1	1	1	1	39.72	53.64716751
3995	20/12/2020	4	4.3	4.3.4.4	2300053493	761	18	0.353	34.2	1.43	17.1	1.03	49	17.6	36.01	74.26	1	1	1	1	1	38.24	51.50049556
3996	20/12/2020	4	4.3	4.3.4.4	2300052529	723	42	0.466	34.1	2.55	15.1	2.76	87	41.7	47.93	74.01	1	1	1	1	1	26.08	35.24366094
3997	20/12/2020	4	4.3	4.3.4.4	2300052523	759	12	0.349	32.8	1.05	16.8	0.73	34	12.3	35.61	74.24	1	1	1	1	1	38.63	52.03659831
3998	20/12/2020	4	4.3	4.3.4.4	2300052521	817	14	0.326	34.3	1.21	15.8	0.88	42	13.9	33.50	74.61	1	1	1	1	1	41.11	55.10114256
3999	20/12/2020	4	4.3	4.3.4.4	2300051012	780	113	0.416	33.7	7.84	15.5	7.30	264	113.2	42.83	74.38	1	1	1	1	1	31.55	42.42100258
4000	20/12/2020	4	4.3	4.3.4.4	2300050021	844	125	0.638	24.8	7.59	17.2	7.23	188	124.4	66.07	74.79	1	1	0	0	0	8.72	11.66278749
4001	20/12/2020	4	4.3	4.3.4.4	2300053491	869	118	0.453	34.9	7.17	19.5	6.05	250	118.0	47.15	74.95	1	1	1	1	1	27.80	37.09463696
4002	20/12/2020	4	4.3	4.3.4.4	2300052537	854	116	0.624	23.3	7.66	16.6	6.96	178	115.5	64.73	74.85	1	1	0	0	0	10.12	13.5168402
4003	20/12/2020	4	4.3	4.3.4.4	2300052540	846	38	0.641	19.0	3.06	14.2	2.71	58	38.5	66.19	74.80	1	1	0	0	0	8.61	11.5131597
4004	20/12/2020	4	4.3	4.3.4.4	2300052528	741	89	0.627	22.4	6.15	16.1	5.53	138	89.0	64.63	74.13	1	1	0	0	0	9.50	12.81470389
4005	20/12/2020	4	4.3	4.3.4.4	2300052524	848	137	0.499	34.2	7.73	20.6	6.63	264	136.6	51.66	74.81	1	1	1	1	1	23.15	30.94471572
4006	20/12/2020	4	4.3	4.3.4.4	2300052533	855	18	0.291	33.9	1.75	10.1	1.76	59	17.8	29.96	74.86	1	1	1	1	1	44.89	59.97253606
4007	20/12/2020	4	4.3	4.3.4.3	23000	883	137	0.507	34.1	7.60	20.7	6.59	259	136.4	52.64	75.04	1	1	1	1	1	22.40	29.85266621
4008	20/12/2020	4	4.3	4.3.4.3	23000	704	113	0.629	23.9	7.33	15.4	7.35	175	113.2	64.61	73.89	1	1	0	0	0	9.28	12.55980575
4009	20/12/2020	4	4.3	4.3.4.3	2300051749	688	109	0.615	23.9	7.23	16.4	6.63	173	108.7	62.92	73.79	1	1	0	0	0	10.86	14.72369459

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4010	20/12/2020	4	4.3	4.3.4.3	2300052551	702	117	0.436	33.1	7.89	16.1	7.25	261	116.7	44.69	73.88	1	1	1	1	1	29.18	39.50227367
4011	20/12/2020	4	4.3	4.3.4.3	2300051975	711	98	0.635	20.7	7.27	13.8	7.11	150	98.1	65.20	73.94	1	1	0	0	0	8.74	11.81684557
4012	20/12/2020	4	4.3	4.3.4.3	23000	733	115	0.637	22.8	7.70	16.1	7.13	176	114.8	65.39	74.08	1	1	0	0	0	8.69	11.73159574
4013	20/12/2020	4	4.3	4.3.4.3	2300051952	742	101	0.617	22.5	7.07	15.4	6.55	159	100.9	63.41	74.13	1	1	0	0	0	10.72	14.46616025
4014	20/12/2020	4	4.3	4.3.4.3	2300051918	732	107	0.640	22.8	7.13	16.3	6.52	163	106.3	65.37	74.07	1	1	0	0	0	8.70	11.74002745
4015	20/12/2020	4	4.3	4.3.4.3	2300051959	733	114	0.657	22.8	7.41	16.2	7.05	169	114.2	67.60	74.08	1	0	0	0	0	6.48	8.742930528
4016	20/12/2020	4	4.3	4.3.4.3	2300051937	736	115	0.619	22.8	7.92	15.8	7.26	181	114.7	63.52	74.10	1	1	0	0	0	10.57	14.2692603
4017	20/12/2020	4	4.3	4.3.4.3	23000	800	25	0.359	33.9	2.00	18.1	1.37	68	24.8	36.57	74.51	1	1	1	1	1	37.93	50.91167649
4018	20/12/2020	4	4.3	4.3.4.3	2300051166	883	20	0.342	34.9	1.65	15.0	1.35	58	20.3	35.17	75.04	1	1	1	1	1	39.87	53.13603432
4019	20/12/2020	4	4.3	4.3.4.3	23000511376	866	34	0.351	34.9	2.71	18.9	1.79	95	33.8	35.77	74.93	1	1	1	1	1	39.16	52.26096252
4020	20/12/2020	4	4.3	4.3.4.3	2300051152	1,004	16	0.323	36.1	1.30	17.2	0.91	47	15.7	33.35	75.81	1	1	1	1	1	42.46	56.00699556
4021	20/12/2020	4	4.3	4.3.4.3	23000	981	30	0.393	35.4	2.11	21.1	1.42	75	30.0	40.11	75.66	1	1	1	1	1	35.55	46.98564404
4022	20/12/2020	4	4.3	4.3.4.3	2300051785	997	15	0.343	35.1	1.26	16.9	0.91	44	15.4	34.77	75.77	1	1	1	1	1	40.99	54.10435369
4023	20/12/2020	4	4.3	4.3.4.3	23000	886	13	0.342	34.5	1.06	17.4	0.73	37	12.7	34.73	75.06	1	1	1	1	1	40.32	53.72361581
4024	20/12/2020	4	4.3	4.3.4.1	2300050169	957	11	0.350	34.4	0.89	17.9	0.61	31	10.9	35.66	75.51	1	1	1	1	1	39.85	52.76919526
4025	20/12/2020	4	4.3	4.3.4.1	23000	837	17	0.321	35.7	1.45	16.6	1.03	52	17.1	33.03	74.74	1	1	1	1	1	41.71	55.80839947
4026	20/12/2020	4	4.3	4.3.4.1	2300051877	699	14	0.322	34.9	1.20	17.3	0.80	42	13.8	33.05	73.86	1	1	1	1	1	40.81	55.25727139
4027	20/12/2020	4	4.3	4.3.4.1	23000	893	37	0.457	34.7	2.28	19.0	1.95	79	37.1	46.83	75.10	1	1	1	1	1	28.27	37.64417721
4028	20/12/2020	4	4.3	4.3.4.1	2300050868	760	41	0.356	34.6	3.22	16.3	2.50	111	40.8	36.58	74.25	1	1	1	1	1	37.67	50.73945815
4029	20/12/2020	4	4.3	4.3.4.1	23000	795	7	0.300	33.9	0.72	17.1	0.44	24	7.5	30.83	74.47	1	1	1	1	1	43.65	58.60842884
4030	20/12/2020	4	4.3	4.3.4.1	2300050866	899	24	0.369	34.2	1.88	17.7	1.37	64	24.2	37.71	75.14	1	1	1	1	1	37.42	49.80724901
4031	20/12/2020	4	4.3	4.3.4.1	23000	907	113	0.441	34.4	7.23	16.9	6.65	249	112.4	45.19	75.19	1	1	1	1	1	30.00	39.90381482
4032	20/12/2020	4	4.3	4.3.4.1	2300051496	887	111	0.608	23.0	7.70	15.4	7.21	177	111.0	62.70	75.06	1	1	1	0	0	12.37	16.47573475
4033	20/12/2020	4	4.3	4.3.4.1	2300050862	881	13	0.406	34.1	0.94	19.8	0.67	32	13.3	41.39	75.02	1	1	1	1	1	33.64	44.83606609
4034	20/12/2020	4	4.3	4.3.4.1	23000	884	12	0.294	33.7	1.13	12.2	0.95	38	11.6	30.44	75.04	1	1	1	1	1	44.61	59.44341006
4035	20/12/2020	4	4.3	4.3.4.1	2300051709	917	15	0.336	33.9	1.27	16.5	0.90	43	14.9	34.49	75.25	1	1	1	1	1	40.76	54.16588727
4036	20/12/2020	4	4.3	4.3.4.1	2300051709	879	38	0.418	33.6	2.61	26.1	1.45	88	37.8	43.15	75.01	1	1	1	1	1	31.86	42.46921555
4037	20/12/2020	4	4.3	4.3.4.1	2300051382	921	20	0.421	33.8	1.37	20.0	1.00	46	20.0	43.19	75.28	1	1	1	1	1	32.09	42.62657056
4038	20/12/2020	4	4.3	4.3.4.1	2300051747	970	15	0.352	34.4	1.19	16.8	0.88	41	14.8	36.11	75.59	1	1	1	1	1	39.48	52.22516194
4039	20/12/2020	4	4.3	4.3.4.1	23000	822	18	0.339	33.7	1.50	17.4	1.02	51	17.7	35.11	74.65	1	1	1	1	1	39.54	52.96544221

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4040	20/12/2020	4	4.3	4.3.4.1	2300053484	931	17	0.421	34.0	1.18	18.4	0.94	40	17.3	43.11	75.34	1	1	1	1	1	32.23	42.78185506
4041	20/12/2020	4	4.3	4.3.4.1	2300052544	879	43	0.477	34.2	2.58	18.0	2.40	88	43.2	48.96	75.01	1	1	1	1	1	26.05	34.73061723
4042	20/12/2020	4	4.3	4.3.4.1	2300053485	875	11	0.334	34.0	0.96	17.0	0.66	33	11.2	34.38	74.99	1	1	1	1	1	40.61	54.15810951
4043	20/12/2020	4	4.2	4.2.4.1	2300050876	1,041	12	0.422	34.5	0.83	15.0	0.83	29	12.5	43.48	76.05	1	1	1	1	1	32.57	42.82817144
4044	20/12/2020	4	4.2	4.2.4.1	23000	906	128	0.481	34.0	7.57	19.8	6.48	257	128.3	49.85	75.18	1	1	1	1	1	25.33	33.69631573
4045	20/12/2020	4	4.2	4.2.4.1	2300051410	953	6	0.334	33.4	0.55	17.6	0.36	18	6.3	34.49	75.49	1	1	1	1	1	40.99	54.30757557
4046	20/12/2020	4	4.2	4.2.4.1	23000	942	8	0.349	33.0	0.67	21.7	0.37	22	8.0	36.31	75.41	1	1	1	1	1	39.10	51.84780027
4047	20/12/2020	4	4.2	4.2.4.1	23000	934	50	0.515	31.9	2.91	23.7	2.09	93	49.5	53.36	75.36	1	1	1	1	1	22.00	29.19738073
4048	20/12/2020	4	4.2	4.2.4.1	2300051121	939	13	0.434	32.3	0.91	13.6	0.97	29	13.2	44.88	75.40	1	1	1	1	1	30.51	40.47207748
4049	20/12/2020	4	4.2	4.2.4.1	2300051577	981	7	0.295	33.2	0.69	9.7	0.72	23	7.0	30.49	75.66	1	1	1	1	1	45.18	59.70738411
4050	20/12/2020	4	4.2	4.2.4.1	23000	972	12	0.436	33.5	0.80	17.0	0.71	27	12.1	45.04	75.61	1	1	1	1	1	30.57	40.43219203
4051	20/12/2020	4	4.2	4.2.4.1	2300051753	1,031	19	0.500	31.8	1.17	19.2	1.00	37	19.2	51.60	75.98	1	1	1	1	1	24.38	32.08529658
4052	20/12/2020	4	4.2	4.2.4.1	23000	1,004	11	0.466	33.7	0.70	20.6	0.55	24	11.3	48.03	75.81	1	1	1	1	1	27.78	36.64712818
4053	20/12/2020	4	4.2	4.2.4.1	23000	949	49	0.555	34.0	2.50	18.1	2.69	85	48.7	57.28	75.46	1	1	1	1	0	18.18	24.09027285
4054	20/12/2020	4	4.2	4.2.4.1	2300051408	815	34	0.509	33.2	1.93	15.5	2.17	64	33.6	52.49	74.60	1	1	1	1	1	22.11	29.63680219
4055	20/12/2020	4	4.2	4.2.4.1	23000	738	60	0.392	32.7	4.51	16.2	3.69	147	59.8	40.53	74.11	1	1	1	1	1	33.58	45.30533571
4056	20/12/2020	4	4.2	4.2.4.1	23000	938	6	0.353	33.4	0.50	15.1	0.40	17	6.0	36.17	75.39	1	1	1	1	1	39.22	52.02540328
4057	20/12/2020	4	4.2	4.2.4.1	23000	938	6	0.365	33.5	0.51	16.9	0.38	17	6.4	37.59	75.39	1	1	1	1	1	37.80	50.14069927
4058	20/12/2020	4	4.2	4.2.4.1	2300051553	640	10	0.278	34.4	1.03	17.2	0.59	35	10.1	28.64	73.48	1	1	1	1	1	44.84	61.02341159
4059	20/12/2020	4	4.2	4.2.4.1	2300050966	1,052	9	0.333	34.8	0.76	17.8	0.51	26	9.1	34.32	76.12	1	1	1	1	1	41.79	54.90738629
4060	20/12/2020	4	4.2	4.2.4.1	23000	885	12	0.329	34.0	1.06	17.6	0.70	36	12.3	34.18	75.05	1	1	1	1	1	40.87	54.45137944
4061	20/12/2020	4	4.2	4.2.4.1	2300051399	1,074	16	0.365	34.0	1.23	17.7	0.90	42	15.9	38.09	76.26	1	1	1	1	1	38.17	50.04980082
4062	20/12/2020	4	4.2	4.2.4.1	23000	1,059	113	0.464	34.3	6.84	20.0	5.66	235	113.2	48.25	76.16	1	1	1	1	1	27.91	36.64969041
4063	20/12/2020	4	4.2	4.2.4.1	2300051419	819	16	0.344	34.9	1.26	18.0	0.87	44	15.7	35.61	74.63	1	1	1	1	1	39.02	52.28045319
4064	20/12/2020	4	4.2	4.2.4.2	2300051923	814	65	0.442	34.7	4.10	30.9	2.12	142	65.5	46.04	74.60	1	1	1	1	1	28.55	38.27404792
4065	20/12/2020	4	4.2	4.2.4.2	2300051429	962	55	0.397	34.6	3.83	18.1	3.02	133	54.7	41.25	75.54	1	1	1	1	1	34.29	45.39686638
4066	20/12/2020	4	4.2	4.2.4.2	2300050915	950	55	0.386	34.4	3.95	17.9	3.06	136	54.8	40.31	75.47	1	1	1	1	1	35.16	46.58446433
4067	20/12/2020	4	4.2	4.2.4.2	2300051557	981	28	0.485	23.2	2.37	11.7	2.37	55	27.7	50.43	75.66	1	1	1	1	1	25.23	33.34905916
4068	20/12/2020	4	4.2	4.2.4.2	2300050910	1,077	111	0.427	34.7	7.16	15.9	6.96	248	110.7	44.54	76.28	1	1	1	1	1	31.74	41.607104
4069	20/12/2020	4	4.2	4.2.4.2	23000	1,096	117	0.468	34.1	6.99	19.9	5.87	238	116.8	49.01	76.40	1	1	1	1	1	27.39	35.85482555

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4070	20/12/2020	4	4.2	4.2.4.2	2300051272	1,060	66	0.403	34.0	4.58	17.5	3.76	156	65.8	42.26	76.17	1	1	1	1	1	33.91	44.52497036
4071	20/12/2020	4	4.2	4.2.4.2	2300051701	1,050	118	0.477	33.9	6.96	19.9	5.91	236	117.6	49.85	76.11	1	1	1	1	1	26.26	34.50430987
4072	20/12/2020	4	4.2	4.2.4.2	2300050126	1,049	112	0.463	34.1	6.78	19.3	5.81	231	112.1	48.50	76.10	1	1	1	1	1	27.60	36.26661364
4073	20/12/2020	4	4.2	4.2.4.2	23000	1,056	10	0.339	33.8	0.84	18.8	0.53	28	10.0	35.09	76.14	1	1	1	1	1	41.05	53.91073699
4074	20/12/2020	4	4.2	4.2.4.2	2300051406	1,035	10	0.331	33.7	0.84	17.7	0.55	28	9.7	34.39	76.01	1	1	1	1	1	41.62	54.75651644
4075	20/12/2020	4	4.2	4.2.4.2	23000	1,050	92	0.418	34.1	6.16	26.8	3.42	210	91.7	43.63	76.11	1	1	1	1	1	32.47	42.66670364
4076	20/12/2020	4	4.2	4.2.4.2	2300045593	1,055	88	0.433	34.1	5.68	18.3	4.80	194	87.8	45.35	76.14	1	1	1	1	1	30.79	40.43541122
4077	20/12/2020	4	4.2	4.2.4.2	2300052019	1,073	88	0.430	34.1	5.74	18.7	4.72	196	88.3	45.09	76.25	1	1	1	1	1	31.16	40.86300397
4078	20/12/2020	4	4.2	4.2.4.2	2300050131	715	16	0.355	33.2	1.29	18.1	0.86	43	15.6	36.35	73.96	1	1	1	1	1	37.62	50.85938519
4079	20/12/2020	4	4.2	4.2.4.2	23000	834	69	0.453	33.5	4.42	17.3	3.97	148	68.7	46.38	74.72	1	1	1	1	1	28.34	37.92571204
4080	20/12/2020	4	4.2	4.2.4.2	2300049601	698	97	0.494	32.5	5.89	25.9	3.73	191	96.6	50.47	73.85	1	1	1	1	1	23.39	31.66540538
4081	20/12/2020	4	4.2	4.2.4.2	2300048848	886	66	0.602	20.5	5.22	12.6	5.25	107	66.2	61.82	75.06	1	1	1	0	0	13.24	17.63973139
4082	20/12/2020	4	4.2	4.2.4.2	23000	748	36	0.358	33.7	2.95	16.0	2.29	99	36.6	36.86	74.17	1	1	1	1	1	37.32	50.31142611
4083	20/12/2020	4	4.2	4.2.4.2	2300050134	834	11	0.318	33.3	1.06	20.5	0.56	35	11.5	32.52	74.72	1	1	1	1	1	42.20	56.4754788
4084	20/12/2020	4	4.2	4.2.4.2	23000	859	55	0.585	33.4	2.76	27.9	1.97	92	55.0	59.62	74.88	1	1	1	1	0	15.26	20.37890137
4085	20/12/2020	4	4.2	4.2.4.2	23000	1,067	124	0.482	34.2	7.31	20.3	6.13	250	124.4	49.78	76.21	1	1	1	1	1	26.44	34.69089757
4086	20/12/2020	4	4.2	4.2.4.2	23000	722	129	0.661	32.6	5.83	23.9	5.40	190	129.1	67.91	74.01	1	0	0	0	0	6.10	8.244125248
4087	20/12/2020	4	4.2	4.2.4.2	23000	890	87	42	32	6.2	15.23	5.5	198	83.8	42.22	75.08	1	1	1	1	1	32.86	43.76779775
4088	20/12/2020	4	4.2	4.2.4.4	2300049772	989	65	32.4	30	6.1	12.5	4.8	183	60.0	32.79	75.72	1	1	1	1	1	42.93	56.69731833
4089	20/12/2020	4	4.2	4.2.4.4	2300041415	960	58	32.6	29	5.6	13	4.2	162	54.6	33.62	75.53	1	1	1	1	1	41.91	55.48697252
4090	20/12/2020	4	4.2	4.2.4.4	2300050127	1007	7	5.9	26	5.7	12.4	4.5	148	55.8	37.65	75.83	1	1	1	1	1	38.18	50.34758718
4091	20/12/2020	4	4.2	4.2.4.4	2300051556	1009	77	36.2	32	6.2	14.3	5.1	198	72.9	36.76	75.84	1	1	1	1	1	39.08	51.53305937
4092	20/12/2020	4	4.2	4.2.4.4	2300051268	867	77	50.8	22	6.4	13.6	5.3	141	72.1	51.19	74.93	1	1	1	1	1	23.74	31.68303403
4093	20/12/2020	4	4.2	4.2.4.4	2300051403	529	57	30.3	31	5.6	12.9	4.3	174	55.5	31.95	72.77	1	1	1	1	1	40.82	56.09171026
4094	20/12/2020	4	4.2	4.2.4.4	2300051849	530	54	29.3	30	5.5	12	4.2	165	50.4	30.55	72.78	1	1	1	1	1	42.23	58.02927458
4095	20/12/2020	4	4.2	4.2.4.4	2300050136	983	52	29.1	31	5.4	11.8	4.8	167	56.6	33.84	75.68	1	1	1	1	1	41.84	55.2901991
4096	20/12/2020	4	4.2	4.2.4.4	2300050120	996	63	36	30	5.9	14.4	4.7	177	67.7	38.24	75.76	1	1	1	1	1	37.52	49.52866123
4097	20/12/2020	4	4.2	4.2.4.4	2300050916	992	65	39.4	25	5.9	12.7	4.8	148	61.0	41.33	75.73	1	1	1	1	1	34.41	45.42956004
4098	20/12/2020	4	4.2	4.2.4.4	2300051547	997	86	36.8	30	6.9	14	5.7	207	79.8	38.55	75.77	1	1	1	1	1	37.22	49.11923872
4099	20/12/2020	4	4.2	4.2.4.4	2300050874	989	118	49.2	30	6.9	21.6	5.04	207	108.9	52.59	75.72	1	1	1	1	1	23.12	30.54099241

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4100	20/12/2020	4	4.2	4.2.4.4	2300052153	1027	92	38.2	31	6.9	19.5	4.3	214	83.9	39.20	75.96	1	1	1	1	1	36.76	48.39233768
4101	20/12/2020	4	4.2	4.2.4.4	2300050118	974	78	56	31	6.4	14	5.2	198	72.8	36.69	75.62	1	1	1	1	1	38.93	51.47614059
4102	20/12/2020	4	4.2	4.2.4.4	2300050137	947	126	53	31	6.4	21	5.2	198	109.2	55.04	75.45	1	1	1	1	1	20.41	27.04750555
4103	20/12/2020	4	4.2	4.2.4.4	2300050136	941	77	50.7	21	3.5	13.9	2.7	74	37.5	51.06	75.41	1	1	1	1	1	24.35	32.28708673
4104	20/12/2020	4	4.2	4.2.4.4	2300050117	996	93	39.1	31	6	14.5	5.9	186	85.6	45.99	75.76	1	1	1	1	1	29.77	39.28936007
4105	20/12/2020	4	4.2	4.2.4.4	2300050227	762	26	29.2	20	5	6	5.03	100	30.2	30.18	74.26	1	1	1	1	1	44.08	59.36054121
4106	20/12/2020	4	4.2	4.2.4.4	2300052042	753	16	70.1	30	2.9	23.7	2.6	87	61.6	70.83	74.21	0	0	0	0	0	3.38	4.551721164
4107	20/12/2020	4	4.2	4.2.4.4	2300045996	590	39	34.2	31	4.8	14	3.8	149	53.2	35.75	73.16	1	1	1	1	1	37.41	51.13216127
4108	20/12/2020	4	4.2	4.2.4.4	2300049597	770	116	25.9	30	3.7	11.8	2.4	111	28.3	25.51	74.31	1	1	1	1	1	48.80	65.66795824
4109	20/12/2020	4	4.2	4.2.4.4	2300048997	725	28	32.6	32	5.05	13.5	3.8	162	51.3	31.75	74.03	1	1	1	1	1	42.28	57.11635168
4110	20/12/2020	4	4.2	4.2.4.4	2300049591	717	11	31.1	31	4.1	12.6	3.2	127	40.3	31.72	73.97	1	1	1	1	1	42.25	57.11640624
4111	20/12/2020	4	4.2	4.2.4.4	2300049596	544	17	32.7	32	4.4	13.7	3.3	141	45.2	32.11	72.87	1	1	1	1	1	40.76	55.9346335
4112	20/12/2020	4	4.2	4.2.4.3	2300051125	712	14	28.3	32	3.7	11.9	2.8	118	33.3	28.14	73.94	1	1	1	1	1	45.80	61.94099778
4113	20/12/2020	4	4.2	4.2.4.3	2300050919	608	64	51.4	25	4.1	14.4	3.6	103	51.8	50.58	73.28	1	1	1	1	1	22.70	30.98042808
4114	20/12/2020	4	4.2	4.2.4.3	2300051897	701	69	31.9	32	4.3	18	2.4	138	43.2	31.40	73.87	1	1	1	1	1	42.48	57.50057012
4115	20/12/2020	4	4.2	4.2.4.3	2300051409	775	102	30.5	30	4.1	16	2.1	123	33.6	27.32	74.35	1	1	1	1	1	47.03	63.25683538
4116	20/12/2020	4	4.2	4.2.4.3	2300051126	729	19	31.2	33	4.8	12.6	3.7	158	46.6	29.43	74.05	1	1	1	1	1	44.62	60.25498682
4117	20/12/2020	4	4.2	4.2.4.3	2300051711	722	82	53.9	21	5.1	14	4.2	107	58.8	54.90	74.01	1	1	1	1	1	19.10	25.8149781
4118	20/12/2020	4	4.2	4.2.4.3	2300051570	712	90	40.5	32	4.7	18.8	3.2	150	60.2	40.00	73.94	1	1	1	1	1	33.94	45.9041313
4119	20/12/2020	4	4.2	4.2.4.3	2300051122	705	61	47.8	21	4.3	13	3.3	90	42.9	47.51	73.90	1	1	1	1	1	26.39	35.71097236
4120	20/12/2020	4	4.2	4.2.4.3	2300050130	691	25	35.7	21	4.2	13.6	3.5	88	47.6	53.97	73.81	1	1	1	1	1	19.84	26.88060713
4121	20/12/2020	4	4.2	4.2.4.3	2300051124	687	136	43.6	31	4.4	22.4	3.3	136	73.9	54.19	73.78	1	1	1	1	1	19.59	26.54988915
4122	20/12/2020	4	4.2	4.2.4.3	2300051107	682	80	58.6	21	4	14.5	3.5	84	50.8	60.42	73.75	1	1	1	0	0	13.33	18.07998467
4123	20/12/2020	4	4.2	4.2.4.3	2300051107	665	35	38.6	31	4.4	14.3	3.7	136	52.9	38.79	73.64	1	1	1	1	1	34.85	47.325816
4124	20/12/2020	4	4.2	4.2.4.3	2300050912	674	85	34.7	31	4.5	13.5	3.5	140	47.3	33.87	73.70	1	1	1	1	1	39.83	54.04185675
4125	20/12/2020	4	4.2	4.2.4.3	2300050128	667	56	47.9	21	4.1	12.5	3.2	86	40.0	46.46	73.65	1	1	1	1	1	27.20	36.92521406
4126	20/12/2020	4	4.2	4.2.4.3	2300051538	666	96	41.4	31	4.4	18.8	3.05	136	57.3	42.04	73.65	1	1	1	1	1	31.61	42.92052079
4127	20/12/2020	4	4.2	4.2.4.3	2300050913	560	104	71.3	30	4.6	24.9	4.2	138	104.6	75.78	72.97	0	0	0	0	0	-2.81	-3.854472654
4128	20/12/2020	4	4.2	4.2.4.3	2300051558	672	121	70.7	32	4.8	25	4.4	154	110.0	71.61	73.69	0	0	0	0	0	2.07	2.812195219
4129	20/12/2020	4	4.2	4.2.4.3	2300050913	706	16	20.4	30	2.4	20.2	2.1	72	42.4	58.92	73.90	1	1	1	1	0	14.99	20.27989312

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4130	20/12/2020	4	4.2	4.2.4.3	2300051558	668	56	44.1	28	4.6	15.1	3.9	129	58.9	45.72	73.66	1	1	1	1	1	27.94	37.92926305
4131	20/12/2020	4	4.2	4.2.4.3	2300051891	668	47	42.7	31	4	12.5	3.04	124	38.0	30.65	73.66	1	1	1	1	1	43.02	58.39714627
4132	20/12/2020	4	4.2	4.2.4.3	2300051709	661	34	36.2	31	4.4	14.8	3.3	136	48.8	35.81	73.62	1	1	1	1	1	37.81	51.36076796
4133	20/12/2020	4	4.2	4.2.3.1	2300050876	657	113	47.8	30	4.02	21	2.8	121	58.8	48.76	73.59	1	1	1	1	1	24.83	33.74685571
4134	20/12/2020	4	4.2	4.2.3.1	2300049764	652	70	49.8	23	4.1	14.2	3.3	94	46.9	49.69	73.56	1	1	1	1	1	23.87	32.44523995
4135	20/12/2020	4	4.2	4.2.3.1	-	633	26	39	30	4.2	14.4	3.6	126	51.8	41.14	73.44	1	1	1	1	1	32.29	43.97545502
4136	20/12/2020	4	4.2	4.2.3.1	2300052108	632	20	35.9	30	4.3	11	3.4	129	37.4	28.99	73.43	1	1	1	1	1	44.44	60.51759199
4137	20/12/2020	4	4.2	4.2.3.1	2300051174	635	71	39.3	30	3.9	17.4	2.7	117	47.0	40.15	73.45	1	1	1	1	1	33.30	45.3317275
4138	20/12/2020	4	4.2	4.2.3.1	2300051577	632	29	37.4	30	4.2	14.2	3.4	126	48.3	38.32	73.43	1	1	1	1	1	35.11	47.81827201
4139	21/12/2020	4	4.2	4.2.3.1	2300051753	629	97	43	30	4.2	19.2	3	126	57.6	45.71	73.41	1	1	1	1	1	27.70	37.72879802
4140	21/12/2020	4	4.2	4.2.3.1	-	568	17	36	31	3.3	13.1	2.6	102	34.1	33.29	73.02	1	1	1	1	1	39.73	54.4047035
4141	21/12/2020	4	4.2	4.2.3.1	-	605	12	13.3	31	0.6	7.41	0.3	19	2.2	11.95	73.26	1	1	1	1	1	61.31	83.68558669
4142	21/12/2020	4	4.2	4.2.3.1	2300051706	610	42	32.4	27	4.1	12.3	3.1	111	38.1	34.44	73.29	1	1	1	1	1	38.85	53.0025318
4143	21/12/2020	4	4.2	4.2.3.1	-	626	46	44	20	3.9	12	3.05	78	36.6	46.92	73.39	1	1	1	1	1	26.47	36.06548236
4144	21/12/2020	4	4.2	4.2.3.1	2300051408	628	88	43.1	31	4.2	18.7	3.1	130	58.0	44.52	73.41	1	1	1	1	1	28.88	39.34515603
4145	21/12/2020	4	4.2	4.2.3.1	-	632	34	38.7	29	3.7	15	2.9	107	43.5	40.54	73.43	1	1	1	1	1	32.89	44.79082273
4146	21/12/2020	4	4.2	4.2.3.1	-	620	80	55.2	31	3.9	14.2	3.2	121	45.4	37.58	73.35	1	1	1	1	1	35.77	48.76246584
4147	21/12/2020	4	4.2	4.2.3.1	-	607	108	48.5	31	4	22.2	3.03	124	67.3	54.25	73.27	1	1	1	1	1	19.02	25.96399358
4148	21/12/2020	4	4.2	4.2.3.1	2300051553	850	48	34.8	32	5	13.9	3.9	160	54.2	33.88	74.83	1	1	1	1	1	40.94	54.71995028
4149	21/12/2020	4	4.2	4.2.3.1	2300050966	836	72	50	22	5.4	13.7	4.2	119	57.5	48.43	74.74	1	1	1	1	1	26.30	35.19310077
4150	21/12/2020	4	4.2	4.2.3.1	2300051536	848	50	33	32	5.3	13.3	4.2	170	55.9	32.94	74.81	1	1	1	1	1	41.88	55.97525469
4151	21/12/2020	4	4.2	4.2.3.1	2300050123	858	51	36.4	31	4.9	13.1	4.2	152	55.0	36.22	74.88	1	1	1	1	1	38.66	51.62586454
4152	21/12/2020	4	4.2	4.2.3.1	2300051890	873	63	37.5	31	4.5	17.8	3	140	53.4	38.28	74.97	1	1	1	1	1	36.69	48.94232887
4153	21/12/2020	4	4.2	4.2.3.1	2300051399	899	29	29.4	23	5.2	6.6	5.1	120	33.7	28.14	75.14	1	1	1	1	1	47.00	62.54463331
4154	21/12/2020	4	4.2	4.2.3.1	2300050122	953	129	52.3	32	6.9	20.2	5.1	221	103.0	46.66	75.49	1	1	1	1	1	28.83	38.18972634
4155	21/12/2020	4	4.2	4.2.3.1	2300051419	947	72	31.7	31	6.5	16.2	4.1	202	66.4	32.96	75.45	1	1	1	1	1	42.48	56.30990426
4156	21/12/2020	4	4.2	4.2.3.2	2300051923	961	92	39.4	31	6.7	16.9	5.05	208	85.3	41.09	75.54	1	1	1	1	1	34.45	45.60170306
4157	21/12/2020	4	4.2	4.2.3.2	2300051468	974	43	28.5	31	3.9	11.9	2.2	121	26.2	21.65	75.62	1	1	1	1	1	53.97	71.3642234
4158	21/12/2020	4	4.2	4.2.3.2	2300051957	967	94	38.8	31	7	16.9	5.1	217	86.2	39.72	75.57	1	1	1	1	1	35.86	47.44426183
4159	21/12/2020	4	4.2	4.2.3.2	2300050556	966	41	22	31	3.7	12.4	1.6	115	19.8	17.30	75.57	1	1	1	1	1	58.27	77.11040951

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4160	21/12/2020	4	4.2	4.2.3.2	2300051272	969	111	45.2	31	6.9	18.3	5.5	214	100.7	47.05	75.59	1	1	1	1	1	28.53	37.74812475
4161	21/12/2020	4	4.2	4.2.3.2	2300051701	974	33	26.2	32	3.3	16.2	1.8	106	29.2	27.61	75.62	1	1	1	1	1	48.01	63.48349322
4162	21/12/2020	4	4.2	4.2.3.2	2300050126	975	48	30.5	31	4.5	16.4	2.7	140	44.3	31.74	75.63	1	1	1	1	1	43.88	58.02774775
4163	21/12/2020	4	4.2	4.2.3.2	-	891	21	22.1	32	4.3	11.1	2.9	138	32.2	23.39	75.09	1	1	1	1	1	51.69	68.84486106
4164	21/12/2020	4	4.2	4.2.3.2	2300051406	981	44	28.1	31	4.5	15.9	2.5	140	39.8	28.49	75.66	1	1	1	1	1	47.17	62.34077895
4165	21/12/2020	4	4.2	4.2.3.2	-	974	28	28.2	31	2.9	15.3	1.6	90	24.5	27.23	75.62	1	1	1	1	1	48.39	63.99047887
4166	21/12/2020	4	4.2	4.2.3.2	2300049593	970	42	28.5	31	3.1	22.7	1.6	96	36.3	37.79	75.59	1	1	1	1	1	37.80	50.00401537
4167	21/12/2020	4	4.2	4.2.3.2	2300052029	988	118	49.2	31	7.01	18.5	5.8	217	107.3	49.38	75.71	1	1	1	1	1	26.33	34.78141785
4168	21/12/2020	4	4.2	4.2.3.2	2300050131	984	85	35.7	31	7.04	13.4	6.02	218	80.7	36.96	75.68	1	1	1	1	1	38.72	51.16118084
4169	21/12/2020	4	4.2	4.2.3.2	-	981	102	41.1	31	7.1	17.6	5.3	220	93.3	42.38	75.66	1	1	1	1	1	33.28	43.98853883
4170	21/12/2020	4	4.2	4.2.3.2	2300049601	993	17	25.6	32	1.8	16.3	0.9	58	14.7	25.47	75.74	1	1	1	1	1	50.27	66.3739814
4171	21/12/2020	4	4.2	4.2.3.2	-	955	21	28.6	31	2.2	15.5	1.3	68	20.2	29.55	75.50	1	1	1	1	1	45.95	60.86591096
4172	21/12/2020	4	4.2	4.2.3.2	2300046889	894	13	27.2	32	1.4	15.7	6.7	45	105.2	234.80	75.11	1	1	1	1	1	-159.69	-212.616975
4173	21/12/2020	4	4.2	4.2.3.2	-	955	118	48.9	31	6.7	18.8	5.5	208	103.4	49.78	75.50	1	1	1	1	1	25.71	34.06005277
4174	21/12/2020	4	4.2	4.2.3.2	2300050134	948	46	36.7	30	6.6	24.5	2.1	198	51.5	25.98	75.45	1	1	1	1	1	49.47	65.56163491
4175	21/12/2020	4	4.2	4.2.3.2	2300045593	944	26	23.1	31	0.9	16.7	0.3	28	5.0	17.96	75.43	1	1	1	1	1	57.47	76.19307886
4176	21/12/2020	4	4.2	4.2.3.2	-	938	138	23.8	31	6.8	23.1	5.07	211	117.1	55.56	75.39	1	1	1	1	1	19.83	26.30463097
4177	21/12/2020	4	4.2	4.2.3.2	-	938	20	22.9	31	2.6	18.2	1.6	81	29.1	36.13	75.39	1	1	1	1	1	39.26	52.07664724
4178	21/12/2020	4	4.2	4.2.3.3	2300051125	934	17	35.8	30	3.7	23.4	2.3	111	53.8	48.49	75.36	1	1	1	1	1	26.88	35.66325589
4179	21/12/2020	4	4.2	4.2.3.3	2300049767	951	120	56.1	31	6.2	22.1	2.4	192	53.0	27.60	75.47	1	1	1	1	1	47.88	63.43530363
4180	21/12/2020	4	4.2	4.2.3.3	2300050919	933	73	35.6	32	6.2	13.8	5.1	198	70.4	35.47	75.36	1	1	1	1	1	39.88	52.92581157
4181	21/12/2020	4	4.2	4.2.3.3	2300051897	949	89	45.3	28	6.2	14.8	5.9	174	87.3	50.30	75.46	1	1	1	1	1	25.16	33.34242539
4182	21/12/2020	4	4.2	4.2.3.3	2300051409	956	118	51.6	32	6.4	20.4	5.1	205	104.0	50.80	75.50	1	1	1	1	1	24.70	32.71811808
4183	21/12/2020	4	4.2	4.2.3.3	2300051527	958	75	36.9	30	6.1	13.8	5.1	183	70.4	38.46	75.52	1	1	1	1	1	37.06	49.07250746
4184	21/12/2020	4	4.2	4.2.3.3	2300051125	951	62	33.7	31	5.1	12.9	4.6	158	59.3	37.53	75.47	1	1	1	1	1	37.94	50.26896345
4185	21/12/2020	4	4.2	4.2.3.3	2300051711	929	57	32.4	31	5.5	12.5	4.5	171	56.3	32.99	75.33	1	1	1	1	1	42.34	56.2053609
4186	21/12/2020	4	4.2	4.2.3.3	2300051122	968	76	33.2	31	6.1	14	5.5	189	77.0	40.72	75.58	1	1	1	1	1	34.86	46.12523195
4187	21/12/2020	4	4.2	4.2.3.3	2300050130	958	80	36.9	30	6.6	13.8	5.5	198	75.9	38.33	75.52	1	1	1	1	1	37.18	49.23893718
4188	21/12/2020	4	4.2	4.2.3.3	2300051127	940	97	42.8	31	6.7	15.1	6.07	208	91.7	44.13	75.40	1	1	1	1	1	31.27	41.47434588
4189	21/12/2020	4	4.2	4.2.3.3	2300051107	940	31	29.8	32	5.02	7.1	4.5	161	32.0	19.89	75.40	1	1	1	1	1	55.51	73.62245932

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4190	21/12/2020	4	4.2	4.2.3.3	2300049870	942	63	35.5	30	5.6	13	4.6	168	59.8	35.60	75.41	1	1	1	1	1	39.82	52.80072599
4191	21/12/2020	4	4.2	4.2.3.3	2300051402	978	84	38	30	6.7	14	5.7	201	79.8	39.70	75.65	1	1	1	1	1	35.94	47.51617745
4192	21/12/2020	4	4.2	4.2.3.3	2300050128	972	26	29.3	30	3.7	13.8	1.6	111	22.1	19.89	75.61	1	1	1	1	1	55.71	73.69034017
4193	21/12/2020	4	4.2	4.2.3.3	2300051538	975	90	41.2	21	6.4	13.5	4.4	134	59.4	44.20	75.63	1	1	1	1	1	31.43	41.55921433
4194	21/12/2020	4	4.2	4.2.3.3	2300050913	677	26	29.6	31	4.03	12.6	3.07	125	38.7	30.96	73.72	1	1	1	1	1	42.76	57.99858483
4195	21/12/2020	4	4.2	4.2.3.3	2300051558	753	16	27.8	31	4.6	12.6	3.3	143	41.6	29.16	74.21	1	1	1	1	1	45.05	60.70560382
4196	21/12/2020	4	4.2	4.2.3.3	2300049766	786	11	34	32	3.5	14	2.6	112	36.4	32.50	74.42	1	1	1	1	1	41.92	56.32683118
4197	21/12/2020	4	4.2	4.2.3.3	2300051891	690	13.6	27.4	31	4.6	12.1	3.3	143	39.9	28.00	73.80	1	1	1	1	1	45.80	62.05874837
4198	21/12/2020	4	4.2	4.2.3.3	2300051708	775	69	41	32	5.1	15.3	4.4	163	67.3	41.25	74.35	1	1	1	1	1	33.10	44.5161811
4199	21/12/2020	4	4.2	4.2.3.4	2300051891	704	25	29.2	30	4.7	12.3	3.5	141	43.1	30.53	73.89	1	1	1	1	1	43.36	58.68012752
4200	21/12/2020	4	4.2	4.2.3.4	2300051708	789	49	34.9	31	5.5	14.2	4.3	171	61.1	35.81	74.44	1	1	1	1	1	38.62	51.88818695
4201	21/12/2020	4	4.2	4.2.3.4	2300051405	809	92	44.3	32	5.1	19.2	3.8	163	73.0	44.71	74.56	1	1	1	1	1	29.86	40.04328875
4202	21/12/2020	4	4.2	4.2.3.4	2300051286	820	89	51.2	32	5.6	15	4.8	179	72.0	40.18	74.63	1	1	1	1	1	34.46	46.16586083
4203	21/12/2020	4	4.2	4.2.3.4	2300051556	822	78	36.2	31	5.3	18.2	3.4	164	61.9	37.66	74.65	1	1	1	1	1	36.98	49.54530947
4204	21/12/2020	4	4.2	4.2.3.4	2300051846	824	91	36.2	29	5.3	15.7	4.5	154	70.7	45.97	74.66	1	1	1	1	1	28.69	38.43234111
4205	21/12/2020	4	4.2	4.2.3.4	2300050136	825	115	59.6	22	5.5	20.8	4.3	121	89.4	73.92	74.67	0	0	0	0	0	0.75	1.002658008
4206	21/12/2020	4	4.2	4.2.3.4	2300051547	826	69	51.4	31	5.2	15.7	4.4	161	69.1	42.85	74.67	1	1	1	1	1	31.82	42.61119501
4207	21/12/2020	4	4.2	4.2.3.4	2300050874	837	69	41.3	30	5	14.9	4.9	150	73.0	48.67	74.74	1	1	1	1	1	26.07	34.87890026
4208	21/12/2020	4	4.2	4.2.3.4	2300051547	839	57	39.5	31	4.8	12.9	3.8	149	49.0	32.94	74.76	1	1	1	1	1	41.81	55.9316648
4209	21/12/2020	4	4.2	4.2.3.4	2300050874	948	122	46.8	22	5.6	22.1	3.9	123	86.2	69.96	75.45	1	0	0	0	0	5.49	7.281048936
4210	21/12/2020	4	4.2	4.2.3.4	2300050117	955	20	20.1	32	1.4	20.2	1	45	20.2	45.09	75.50	1	1	1	1	1	30.41	40.27750972
4211	21/12/2020	4	4.2	4.2.3.4	2300052136	824	91	36.2	29	5.3	15.7	4.5	154	70.7	45.97	74.66	1	1	1	1	1	28.69	38.43234111
4212	21/12/2020	4	4.2	4.2.3.4	2300052042	825	115	59.6	22	5.5	20.8	4.3	121	89.4	73.92	74.67	0	0	0	0	0	0.75	1.002658008
4213	21/12/2020	4	4.2	4.2.3.4	2300048447	826	69	51.4	31	5.2	15.7	4.4	161	69.1	42.85	74.67	1	1	1	1	1	31.82	42.61119501
4214	21/12/2020	4	4.2	4.2.3.4	2300049591	837	69	41.3	30	5	14.9	4.9	150	73.0	48.67	74.74	1	1	1	1	1	26.07	34.87890026
4215	21/12/2020	4	4.2	4.2.3.4	2300049590	580	153	65.1	30	4.08	23.2	3.5	122	81.2	66.34	73.10	1	0	0	0	0	6.76	9.245301813
4216	21/12/2020	4	4.3	4.3.3.2	-	998	101	41.7	30	7.2	17.7	5.2	216	92.0	42.61	75.77	1	1	1	1	1	33.16	43.76493125
4217	21/12/2020	4	4.3	4.3.3.2	2300049882	993	132	54.5	30	7.2	20.2	6.04	216	122.0	56.49	75.74	1	1	1	1	1	19.26	25.42343509
4218	21/12/2020	4	4.3	4.3.3.2	2300053306	988	88	38	30	6.9	13.5	6	207	81.0	39.13	75.71	1	1	1	1	1	36.58	48.314822
4219	21/12/2020	4	4.3	4.3.3.2	2300053304	987	89	37.3	30	6.3	16.5	4.4	189	72.6	38.41	75.70	1	1	1	1	1	37.29	49.25855

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4220	21/12/2020	4	4.3	4.3.3.2	2300053305	992	76	33.8	30	6.7	15.8	5.9	201	93.2	46.38	75.73	1	1	1	1	1	29.36	38.76248508
4221	21/12/2020	4	4.3	4.3.3.2	-	988	119	49.1	30	7.3	18.5	5.4	219	99.9	45.62	75.71	1	1	1	1	1	30.09	39.74782674
4222	21/12/2020	4	4.3	4.3.3.2	2300053313	1000	45	32.2	30	4.5	15.2	2.7	135	41.0	30.40	75.79	1	1	1	1	1	45.39	59.88705038
4223	21/12/2020	4	4.3	4.3.3.2	2300050297	997	147	61.5	30	7.1	22	6.69	213	147.2	69.10	75.77	1	0	0	0	0	6.67	8.80096355
4224	21/12/2020	4	4.3	4.3.3.2	2300051370	989	137	54.1	30	7.2	19.8	6.08	216	120.4	55.73	75.72	1	1	1	1	1	19.98	26.39121484
4225	21/12/2020	4	4.3	4.3.2.1	23000	773	143	64.1	31	5.23	23.3	4.6	162	107.2	66.11	74.33	1	1	0	0	0	8.23	11.06605845
4226	21/12/2020	4	4.3	4.3.2.1	23000	781	166	67.9	32	5.5	25.1	4.8	176	120.5	68.45	74.38	1	0	0	0	0	5.93	7.971906133
4227	21/12/2020	4	4.3	4.3.2.1	2300052401	786	149	65	32	5.8	25.8	4.4	186	113.5	61.16	74.42	1	1	1	0	0	13.25	17.8087181
4228	21/12/2020	4	4.3	4.3.2.1	23000	790	153	67	32	5.6	24	4.3	179	103.2	57.59	74.44	1	1	1	1	0	16.85	22.63871777
4229	21/12/2020	4	4.3	4.3.2.1	23000	784	150	65.1	32	5.9	23.5	4.85	189	114.0	60.37	74.40	1	1	1	0	0	14.04	18.86398722
4230	21/12/2020	4	4.3	4.3.2.1	23000	782	145	61.5	31	5.24	23.1	4.8	162	110.9	68.26	74.39	1	0	0	0	0	6.13	8.242619389
4231	21/12/2020	4	4.3	4.3.2.1	23000	789	162	69.4	31	5.3	24.4	4.85	164	118.3	72.03	74.44	0	0	0	0	0	2.41	3.236112452
4232	21/12/2020	4	4.3	4.3.2.1	2300052416	780	159	68	31	5.6	19.8	1.7	174	33.7	19.39	74.38	1	1	1	1	1	54.99	73.93126876
4233	21/12/2020	4	4.3	4.3.2.1	2300051592	769	111	52.3	32	5.7	24.5	4.9	182	120.1	65.82	74.31	1	1	0	0	0	8.49	11.42644095
4234	21/12/2020	4	4.3	4.3.2.1	2300052391	790	146	65	32	5.1	23.5	4.98	163	117.0	71.71	74.44	0	0	0	0	0	2.73	3.670563897
4235	21/12/2020	4	4.3	4.3.2.1	2300052263	796	152	64.3	32	5	25.8	4.9	160	126.4	79.01	74.48	1	0	0	0	0	-4.53	-6.084956579
4236	21/12/2020	4	4.3	4.3.2.1	2300052393	801	150	61.4	32	5.38	23.3	4.7	172	109.5	63.61	74.51	1	1	0	0	0	10.90	14.63241946
4237	21/12/2020	4	4.3	4.3.2.1	2300051144	806	135	65.5	32	5.4	23.3	4.5	173	104.9	60.68	74.54	1	1	1	0	0	13.87	18.60276113
4238	21/12/2020	4	4.3	4.3.2.1	2300052388	803	151	68.6	31	5.6	23.9	4.8	174	114.7	66.08	74.53	1	1	0	0	0	8.44	11.32804835
4239	21/12/2020	4	4.3	4.3.2.1	2300052395	802	162	67.7	32	5.9	22.4	5.04	189	112.9	59.80	74.52	1	1	1	0	0	14.72	19.75634314
4240	21/12/2020	4	4.3	4.3.2.1	2300052392	809	150	63.9	32	5.7	23.8	5.4	182	128.5	70.46	74.56	1	0	0	0	0	4.10	5.502783777
4241	21/12/2020	4	4.3	4.3.2.1	2300052392	813	154	61	32	5.8	24.6	5.2	186	127.9	68.92	74.59	1	0	0	0	0	5.67	7.597328041
4242	21/12/2020	4	4.3	4.3.2.1	2300052385	807	164	61.8	32	5.6	25.1	5.1	179	128.0	71.43	74.55	0	0	0	0	0	3.12	4.180569778
4243	21/12/2020	4	4.3	4.3.2.1	2300052383	832	158	68.3	32	5.6	24.5	5.1	179	125.0	69.73	74.71	1	0	0	0	0	4.98	6.671374821
4244	21/12/2020	4	4.3	4.3.2.1	2300051541	804	41	20.2	32	2.9	17.3	1.7	93	29.4	31.69	74.53	1	1	1	1	1	42.84	57.47869314
4245	21/12/2020	4	4.3	4.3.2.1	2300052364	801	20	20	20	2.2	16.2	1.6	44	25.9	58.91	74.51	1	1	1	1	0	15.60	20.94055364
4246	21/12/2020	4	4.3	4.3.2.1	2300052383	832	156	67.2	30	5.6	23.9	5.9	168	141.0	83.93	74.71	1	1	0	0	0	-9.22	-12.34590422
4247	21/12/2020	4	4.3	4.3.2.1	23000	801	123	57.1	31	5.4	20.7	4.8	167	99.4	59.35	74.51	1	1	1	1	0	15.16	20.34233401
4248	21/12/2020	4	4.3	4.3.2.1	23000	807	97	66.6	31	5.5	15	5.2	171	78.0	45.75	74.55	1	1	1	1	1	28.80	38.6353995
4249	21/12/2020	4	4.3	4.3.2.3	2300052371	826	157	65.3	32	5.8	23.8	5.2	186	123.8	66.68	74.67	1	1	0	0	0	7.99	10.70189992

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4250	21/12/2020	4	4.3	4.3.2.3	2300048996	826	147	61.8	32	5.8	22.8	5.1	186	116.3	62.65	74.67	1	1	1	0	0	12.02	16.09903784
4251	21/12/2020	4	4.3	4.3.2.3	2300052369	830	147	64.4	32	5.7	23.1	5.1	182	117.8	64.59	74.70	1	1	0	0	0	10.11	13.5334068
4252	21/12/2020	4	4.3	4.3.2.3	2300048442	831	154	66.1	32	5.8	23.5	5.3	186	124.6	67.11	74.70	1	1	0	0	0	7.60	10.1703768
4253	21/12/2020	4	4.3	4.3.2.3	2300052098	834	149	65.4	32	5.7	23.4	5.1	182	119.3	65.43	74.72	1	1	0	0	0	9.30	12.44047185
4254	21/12/2020	4	4.3	4.3.2.3	2300049225	834	133	53.8	32	5.8	22.4	4.4	186	98.6	53.10	74.72	1	1	1	1	1	21.62	28.93349855
4255	21/12/2020	4	4.3	4.3.2.3	2300051143	833	129	58.2	32	5.7	21.2	5	182	106.0	58.11	74.72	1	1	1	1	0	16.60	22.22134249
4256	21/12/2020	4	4.3	4.3.2.3	2300052502	834	158	65	32	5.9	23.8	5	189	119.0	63.03	74.72	1	1	1	0	0	11.69	15.64959261
4257	21/12/2020	4	4.3	4.3.2.3	23000	830	154	65	32	5.8	23.5	5.2	186	122.2	65.84	74.70	1	1	0	0	0	8.86	11.85772411
4258	21/12/2020	4	4.3	4.3.2.3	2300052509	828	158	63.9	32	5.9	23.7	5.1	189	120.9	64.02	74.69	1	1	0	0	0	10.67	14.28003524
4259	21/12/2020	4	4.3	4.3.2.3	2300052503	849	149	61	32	6.01	22.8	5.2	192	118.6	61.65	74.82	1	1	1	0	0	13.17	17.60547427
4260	21/12/2020	4	4.3	4.3.2.3	2300052394	846	157	67.4	31	5.9	23.8	5.4	183	128.5	70.27	74.80	1	0	0	0	0	4.53	6.059451608
4261	21/12/2020	4	4.3	4.3.2.3	2300052359	851	68	42	32	5.9	15	5.3	189	79.5	42.11	74.83	1	1	1	1	1	32.72	43.73018793
4262	21/12/2020	4	4.3	4.3.2.3	23000	846	160	67.6	32	6	23.8	5.4	192	128.5	66.94	74.80	1	1	0	0	0	7.86	10.51184218
4263	21/12/2020	4	4.3	4.3.2.3	2300052389	839	144	60.2	32	6	22.5	5.1	192	114.8	59.77	74.76	1	1	1	1	0	14.99	20.05197604
4264	21/12/2020	4	4.3	4.3.2.3	2300052505	850	47	38	31	3.9	13.9	2.1	121	29.2	24.14	74.83	1	1	1	1	1	50.68	67.73324701
4265	21/12/2020	4	4.3	4.3.2.3	2300052920	844	147	62.9	32	5.9	22.6	5.2	189	117.5	62.25	74.79	1	1	1	0	0	12.54	16.76994219
4266	21/12/2020	4	4.3	4.3.2.3	2300052365	839	163	67.6	32	6.09	24	5.5	195	132.0	67.73	74.76	1	0	0	0	0	7.02	9.392754325
4267	21/12/2020	4	4.3	4.3.2.3	2300052918	854	163	67.5	32	6.1	23.9	5.5	195	131.5	67.34	74.85	1	1	0	0	0	7.51	10.03373538
4268	21/12/2020	4	4.3	4.3.2.3	2300052397	852	152	64.3	32	6	22.9	5.4	192	123.7	64.41	74.84	1	1	0	0	0	10.43	13.94002843
4269	21/12/2020	4	4.3	4.3.2.3	2300052400	849	153	64.3	32	6.1	23	5.4	195	124.2	63.63	74.82	1	1	0	0	0	11.19	14.9593834
4270	21/12/2020	4	4.3	4.3.2.3	2300052900	851	157	66.3	32	6	23.6	5.4	192	127.4	66.38	74.83	1	1	0	0	0	8.46	11.30178906
4271	21/12/2020	4	4.3	4.3.2.3	2300051904	858	157	66.9	32	6	23.5	5.5	192	129.3	67.32	74.88	1	1	0	0	0	7.56	10.0958525
4272	21/12/2020	4	4.3	4.3.2.3	2300052919	880	147	61.4	32	6	23.1	5.3	192	122.4	63.77	75.02	1	1	0	0	0	11.25	14.99956677
4273	21/12/2020	4	4.3	4.3.2.4	2300052343	904	165	65.4	32	6.7	23.5	5.9	214	138.7	64.67	75.17	1	1	0	0	0	10.50	13.97170835
4274	21/12/2020	4	4.3	4.3.2.4	2300052338	905	149	62.8	31	6.5	22.8	5.7	202	130.0	64.50	75.18	1	1	0	0	0	10.68	14.20857443
4275	21/12/2020	4	4.3	4.3.2.4	2300052257	908	150	64.1	32	6.4	23.6	5.8	205	136.9	66.84	75.20	1	1	0	0	0	8.36	11.11911414
4276	21/12/2020	4	4.3	4.3.2.4	2300052144	919	152	60.7	31	6.5	23.4	5.9	202	138.1	68.52	75.27	1	0	0	0	0	6.75	8.969956486
4277	21/12/2020	4	4.3	4.3.2.4	2300052356	998	156	60.8	31	6.8	22.9	5.6	211	128.2	60.83	75.77	1	1	1	0	0	14.94	19.7144708
4278	21/12/2020	4	4.3	4.3.2.4	2300052232	965	154	62.4	31	6.7	23.7	6.08	208	144.1	69.38	75.56	1	0	0	0	0	6.19	8.185349729
4279	21/12/2020	4	4.3	4.3.2.4	2300051080	912	158	63.9	31	6.5	23.8	5.31	202	126.4	62.72	75.22	1	1	1	0	0	12.50	16.62287176

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4280	21/12/2020	4	4.3	4.3.2.4	2300051646	912	163	63.7	31	6.4	23.4	5.8	198	135.7	68.41	75.22	1	0	0	0	0	6.82	9.0604736
4281	21/12/2020	4	4.3	4.3.2.4	2300052183	938	160	62	31	6.4	23.8	5.4	198	128.5	64.78	75.39	1	1	0	0	0	10.61	14.07492611
4282	21/12/2020	4	4.3	4.3.2.4	2300052157	950	159	57.8	31	6.6	22.5	6.04	205	135.9	66.42	75.47	1	1	0	0	0	9.04	11.98382399
4283	21/12/2020	4	4.3	4.3.2.4	2300051130	948	135	67	30	6.5	21.4	5.3	195	113.4	58.16	75.45	1	1	1	1	0	17.29	22.91367024
4284	21/12/2020	4	4.3	4.3.2.4	2300051503	955	165	57	31	6.8	23.6	5.8	211	136.9	64.93	75.50	1	1	0	0	0	10.56	13.99297155
4285	21/12/2020	4	4.3	4.3.2.4	2300052156	968	107	46.6	31	6.5	18.1	6.04	202	109.3	54.26	75.58	1	1	1	1	1	21.33	28.2161611
4286	21/12/2020	4	4.3	4.3.2.4	2300051513	934	90	40.1	31	6.4	17.2	4.7	198	80.8	40.75	75.36	1	1	1	1	1	34.62	45.93415423
4287	21/12/2020	4	4.3	4.3.2.4	2300051064	930	163	64.8	31	6.6	23.4	5.9	205	138.1	67.48	75.34	1	1	0	0	0	7.86	10.43297424
4288	21/12/2020	4	4.3	4.3.2.4	2300052144	931	46	22.7	31	3.9	15	2.8	121	42.0	34.74	75.34	1	1	1	1	1	40.60	53.89245373
4289	21/12/2020	4	4.3	4.3.2.4	2300052164	938	139	56.6	31	6.8	21	5.8	211	121.8	57.78	75.39	1	1	1	1	0	17.61	23.35787335
4290	21/12/2020	4	4.3	4.3.2.4	2300052158	935	164	63.4	31	6.7	22.7	6.02	208	136.7	65.79	75.37	1	1	0	0	0	9.58	12.70540857
4291	21/12/2020	4	4.3	4.3.2.4	2300044024	936	157	63.6	31	7.03	22.9	6	218	137.4	63.05	75.38	1	1	1	0	0	12.33	16.35609072
4292	21/12/2020	4	4.3	4.3.2.4	2300051504	938	167	64.5	31	6.8	22.4	6.1	211	136.6	64.82	75.39	1	1	0	0	0	10.57	14.01986711
4293	21/12/2020	4	4.3	4.3.2.4	23000	934	111	49.2	31	5.8	23.4	3.6	180	84.2	46.85	75.36	1	1	1	1	1	28.51	37.8319801
4294	21/12/2020	4	4.3	4.3.2.4	23000	940	44	20.8	30	6.2	11.5	4.8	186	55.2	29.68	75.40	1	1	1	1	1	45.72	60.64107138
4295	21/12/2020	4	4.3	4.3.2.4	2300051134	941	154	55.6	31	6.8	20.9	5.7	211	119.1	56.51	75.41	1	1	1	1	1	18.90	25.05704572
4296	21/12/2020	4	4.3	4.3.2.4	2300051648	937	159	61.6	31	7.1	23.1	6	220	138.6	62.97	75.38	1	1	1	0	0	12.41	16.46452951
4297	21/12/2020	4	4.3	4.3.3.1	2300049924	976	117	47.3	30	7.1	18.4	5.8	213	106.7	50.10	75.63	1	1	1	1	1	25.53	33.75420272
4298	21/12/2020	4	4.3	4.3.3.1	2300049582	965	125	42.4	30	7	19.7	5.6	210	110.3	52.53	75.56	1	1	1	1	1	23.03	30.47651818
4299	21/12/2020	4	4.3	4.3.3.1	2300049959	968	124	42.3	30	6.5	19.4	5.8	195	112.5	57.70	75.58	1	1	1	1	0	17.88	23.65487171
4300	21/12/2020	4	4.3	4.3.3.1	-	975	85	37.9	30	6.8	16.5	4.7	204	77.6	38.01	75.63	1	1	1	1	1	37.61	49.733285
4301	21/12/2020	4	4.3	4.3.3.1	-	974	128	63	30	7	21.8	6.3	210	137.3	65.40	75.62	1	1	0	0	0	10.22	13.51448566
4302	21/12/2020	4	4.3	4.3.3.1	-	970	122	51.3	30	7.03	19	5.8	211	110.2	52.25	75.59	1	1	1	1	1	23.34	30.87777833
4303	21/12/2020	4	4.3	4.3.3.1	2300049945	977	139	58.8	30	7.02	21	6	211	126.0	59.83	75.64	1	1	1	1	0	15.81	20.90162743
4304	21/12/2020	4	4.3	4.3.3.1	-	968	41	38	30	3.8	11.3	2.3	114	26.0	22.80	75.58	1	1	1	1	1	52.78	69.83608938
4305	21/12/2020	4	4.3	4.3.3.1	2300051662	973	85	36.4	30	7.1	13.9	5.8	213	80.6	37.85	75.61	1	1	1	1	1	37.76	49.94291307
4306	21/12/2020	4	4.3	4.3.3.1	2300051938	989	143	60.6	30	6.9	22.3	6.09	207	135.8	65.61	75.72	1	1	0	0	0	10.11	13.35042399
4307	21/12/2020	4	4.3	4.3.3.1	2300048364	985	142	63.2	30	7.2	15.9	5.8	216	92.2	42.69	75.69	1	1	1	1	1	33.00	43.59301831
4308	21/12/2020	4	4.3	4.3.3.1	-	981	128	24.2	30	3.3	22	2.2	99	48.4	48.89	75.66	1	1	1	1	1	26.78	35.38719809
4309	21/12/2020	4	4.3	4.3.3.1	2300047664	963	135	64.5	30	6.8	22.2	6.08	204	135.0	66.16	75.55	1	1	0	0	0	9.38	12.42169886

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4310	21/12/2020	4	4.3	4.3.3.1	2300052052	969	146	62.4	30	7.2	16.8	6.3	216	105.8	49.00	75.59	1	1	1	1	1	26.59	35.17455244
4311	21/12/2020	4	4.3	4.3.3.1	-	971	154	41.5	30	6.8	22.2	5.1	204	113.2	55.50	75.60	1	1	1	1	1	20.10	26.58769001
4312	21/12/2020	4	4.3	4.3.3.1	2300047604	972	165	63.7	30	7	20.8	5.8	210	120.6	57.45	75.61	1	1	1	1	0	18.16	24.01792028
4313	21/12/2020	4	4.3	4.3.3.1	-	986	151	58.3	30	7.1	19.2	6.2	213	119.0	55.89	75.70	1	1	1	1	1	19.81	26.16911248
4314	21/12/2020	4	4.3	4.3.3.1	-	968	141	51	30	7.1	20.2	6.1	213	123.2	57.85	75.58	1	1	1	1	0	17.73	23.46011276
4315	21/12/2020	4	4.3	4.3.3.1	-	965	123	52.8	30	7.03	21.7	5.8	211	125.9	59.68	75.56	1	1	1	1	0	15.88	21.02171421
4316	21/12/2020	4	4.3	4.3.3.1	2300047267	971	154	64.7	30	6.9	22.8	6.1	207	139.1	67.19	75.60	1	1	0	0	0	8.41	11.12691759
4317	21/12/2020	4	4.3	4.3.3.1	-	972	148	59.6	30	7.04	22.4	6.1	211	136.6	64.70	75.61	1	1	0	0	0	10.91	14.42969456
4318	21/12/2020	4	4.3	4.3.3.1	2300047657	965	156	65.5	30	6.4	23.4	5.6	192	131.0	68.25	75.56	1	0	0	0	0	7.31	9.676821683
4319	21/12/2020	4	4.3	4.3.3.1	-	956	129	55	30	6.2	20.3	5.8	186	117.7	63.30	75.50	1	1	1	0	0	12.20	16.1624021
4320	21/12/2020	4	4.3	4.3.3.1	-	980	148	58.9	31	7.5	21.5	5.2	233	111.8	48.09	75.66	1	1	1	1	1	27.57	36.44291218
4321	21/12/2020	4	4.4	4.4.1.1	23000	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
4322	21/12/2020	4	4.4	4.4.1.1	23000	629	84	65.4	30	4.3	21.4	2.4	129	51.4	39.81	73.41	1	1	1	1	1	33.60	45.76612758
4323	21/12/2020	4	4.4	4.4.1.1	2300053432	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
4324	21/12/2020	4	4.4	4.4.1.1	23000	691	41	20.4	31	6.5	26.8	2.5	202	67.0	33.25	73.81	1	1	1	1	1	40.56	54.95008651
4325	21/12/2020	4	4.4	4.4.1.1	23000	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
4326	21/12/2020	4	4.4	4.4.1.1	23000	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
4327	21/12/2020	4	4.4	4.4.1.1	23000	731	21	20.2	30	6.2	27.4	3.5	186	95.9	51.56	74.06	1	1	1	1	1	22.51	30.38606971
4328	21/12/2020	4	4.4	4.4.1.1	23000	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
4329	21/12/2020	4	4.4	4.4.1.1	23000	798	32	20.2	32	5	26.2	3.7	160	96.9	60.59	74.49	1	1	1	0	0	13.91	18.66707297
4330	21/12/2020	4	4.4	4.4.1.1	23000	786	37	24.4	32	5.4	14	3.8	173	53.2	30.79	74.42	1	1	1	1	1	43.63	58.62869336
4331	21/12/2020	4	4.4	4.4.1.1	23000	792	23	20.3	30	5.2	20.8	3.9	156	81.1	52.00	74.45	1	1	1	1	1	22.45	30.15896893
4332	21/12/2020	4	4.4	4.4.1.1	23000	756	17	20.4	30	5.9	21.4	3	177	64.2	36.27	74.22	1	1	1	1	1	37.95	51.13306886
4333	21/12/2020	4	4.4	4.4.1.1	23000	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
4334	21/12/2020	4	4.4	4.4.1.1	23000	703	26	20.4	31	5	24	4.1	155	98.4	63.48	73.89	1	1	0	0	0	10.40	14.07768949
4335	21/12/2020	4	4.4	4.4.1.1	23000	705	12	20.2	32	4.5	20.8	4.1	144	85.3	59.22	73.90	1	1	1	0	0	14.68	19.85950605
4336	21/12/2020	4	4.4	4.4.1.1	2300050546	709	17	17.8	30	4.1	25	3.7	123	92.5	75.20	73.92	0	0	0	0	0	-1.28	-1.731046692
4337	21/12/2020	4	4.4	4.4.1.1	23000	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
4338	21/12/2020	4	4.4	4.4.1.1	23000	801	13	23.4	20	5.8	22	4.9	116	107.8	92.93	74.51	1	1	1	1	0	-18.42	-24.71888502
4339	21/12/2020	4	4.4	4.4.1.1	23000	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4340	21/12/2020	4	4.4	4.4.1.1	23000	810	27	22.4	19	4.9	12	5	93	60.0	64.45	74.57	1	1	0	0	0	10.12	13.57539042
4341	21/12/2020	4	4.4	4.4.1.1	2300050538	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
4342	21/12/2020	4	4.4	4.4.1.1	23000	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
4343	21/12/2020	4	4.4	4.4.1.1	23000	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
4344	21/12/2020	4	4.4	4.4.1.1	23000	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
4345	21/12/2020	4	4.3	4.3.3.3	2300051653	954	24	21.3	20	5.6	22.5	4.9	112	110.3	98.44	75.49	1	1	1	1	1	-22.95	-30.39530226
4346	21/12/2020	4	4.3	4.3.3.3	2300048877	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
4347	21/12/2020	4	4.3	4.3.3.3	2300048461	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
4348	21/12/2020	4	4.3	4.3.3.3	2300049934	946	35	39.7	30	6.1	22.6	5.3	183	119.8	65.45	75.44	1	1	0	0	0	9.99	13.23806354
4349	21/12/2020	4	4.3	4.3.3.3	2300047772	940	27	21.4	22	4.1	13.5	3.6	90	48.6	53.88	75.40	1	1	1	1	1	21.52	28.54265659
4350	21/12/2020	4	4.3	4.3.3.3	2300048103	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
4351	21/12/2020	4	4.3	4.3.3.3	2300049964	941	48	34.2	21	5.7	12.9	5.1	120	65.8	54.96	75.41	1	1	1	1	1	20.45	27.11368228
4352	21/12/2020	4	4.3	4.3.3.3	2300046707	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
4353	21/12/2020	4	4.3	4.3.3.3	2300049952	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
4354	21/12/2020	4	4.3	4.3.3.3	2300049984	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
4355	21/12/2020	4	4.3	4.3.3.3	2300049956	826	83	46.3	31	5.9	21	5	183	105.0	57.41	74.67	1	1	1	1	0	17.26	23.11962666
4356	21/12/2020	4	4.3	4.3.3.3	2300049942	732	78	56.1	30	5.4	19	5.2	162	98.8	60.99	74.07	1	1	1	0	0	13.08	17.66302737
4357	21/12/2020	4	4.3	4.3.3.3	2300047657	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
4358	21/12/2020	4	4.3	4.3.3.3	2300047676	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
4359	21/12/2020	4	4.3	4.3.3.3	2300049989	911	25	59.6	30	6.3	20	5.3	189	106.0	56.08	75.22	1	1	1	1	1	19.13	25.4356017
4360	21/12/2020	4	4.3	4.3.3.3	2300049961	926	30	26.4	18	5.1	21	5.6	92	117.6	128.10	75.31	1	1	1	1	1	-52.79	-70.09758707
4361	21/12/2020	4	4.3	4.3.3.3	2300049668	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
4362	21/12/2020	4	4.3	4.3.3.3	2300047668	820	29	30.2	32	6.4	24	4.6	205	110.4	53.91	74.63	1	1	1	1	1	20.73	27.77252995
4363	21/12/2020	4	4.3	4.3.3.3	2300049509	855	29	48.4	30	5	20	5.4	150	108.0	72.00	74.86	0	0	0	0	0	2.86	3.817895215
4364	21/12/2020	4	4.3	4.3.3.3	23000516669	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
4365	21/12/2020	4	4.3	4.3.3.3	2300049941	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
4366	21/12/2020	4	4.3	4.3.3.3	2300047708	850	26	60.2	30	6.4	20.4	5.6	192	114.2	59.50	74.83	1	1	1	1	0	15.33	20.48218534
4367	21/12/2020	4	4.3	4.3.3.3	2300047405	788	79	20.2	32	6.2	23.4	5.6	198	131.0	66.05	74.43	1	1	0	0	0	8.38	11.26011418
4368	21/12/2020	4	4.3	4.3.3.3	2300048780	825	24	30.4	32	4	26	5.6	128	145.6	113.75	74.67	1	1	1	1	1	-39.08	-52.34511022
4369	21/12/2020	4	4.3	4.3.3.4	2300049227	865	71	55.4	32	4.9	20.2	2.4	157	48.5	30.92	74.92	1	1	1	1	1	44.00	58.7325921

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4370	21/12/2020	4	4.3	4.3.3.4	2300047663	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
4371	21/12/2020	4	4.3	4.3.3.4	2300047289	758	76	55.7	32	2.3	23.4	2.4	74	56.2	76.30	74.24	0	0	0	0	0	-2.07	-2.784517501
4372	21/12/2020	4	4.3	4.3.3.4	2300048786	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
4373	21/12/2020	4	4.3	4.3.3.4	2300047673	796	30	23.6	30	4.6	20.2	3.8	138	76.8	55.62	74.48	1	1	1	1	1	18.86	25.31835435
4374	21/12/2020	4	4.3	4.3.3.4	2300049849	803	32	24.8	30	3.9	17.6	2.9	117	51.0	43.62	74.53	1	1	1	1	1	30.90	41.46418712
4375	21/12/2020	4	4.3	4.3.3.4	2300050038	821	30	22.9	30	5.1	15.3	4.3	153	65.8	43.00	74.64	1	1	1	1	1	31.64	42.39044807
4376	21/12/2020	4	4.3	4.3.3.4	2300047272	797	17	23.8	31	4.7	17.8	4	146	71.2	48.87	74.49	1	1	1	1	1	25.62	34.39436782
4377	21/12/2020	4	4.3	4.3.3.4	2300049912	826	22	21.6	29	4.9	16.3	3.9	142	63.6	44.74	74.67	1	1	1	1	1	29.94	40.09017878
4378	21/12/2020	4	4.3	4.3.3.4	2300049059	833	13	68.4	32	6.6	23.6	5.8	211	136.9	64.81	74.72	1	1	0	0	0	9.91	13.25878638
4379	22/12/2020	4	4.3	4.3.3.4	2300049873	856	33	23.9	31	4.4	14.2	3.9	136	55.4	40.60	74.86	1	1	1	1	1	34.26	45.76704946
4380	22/12/2020	4	4.3	4.3.3.4	2300048789	823	37	23.7	31	3.7	11.9	5.8	115	69.0	60.17	74.65	1	1	1	0	0	14.48	19.39479096
4381	22/12/2020	4	4.3	4.3.3.4	2300048845	725	26	32.7	31	3.9	13.8	5.9	121	81.4	67.34	74.03	1	0	0	0	0	6.68	9.025324681
4382	22/12/2020	4	4.3	4.3.3.4	2300049914	928	12	34.2	27	4.4	17.5	4.1	119	71.8	60.40	75.33	1	1	1	0	0	14.93	19.82016258
4383	22/12/2020	4	4.3	4.3.3.4	2300049843	542	19	18.7	20	4.6	12.2	3.8	92	46.4	50.39	72.85	1	1	1	1	1	22.46	30.83324043
4384	22/12/2020	4	4.3	4.3.3.4	2300047235	638	12	33.5	21	3.9	13.4	2.7	82	36.2	44.18	73.47	1	1	1	1	1	29.29	39.87164121
4385	22/12/2020	4	4.3	4.3.3.4	2300050397	692	32	24.6	30	4.9	15.6	3	147	46.8	31.84	73.81	1	1	1	1	1	41.98	56.86944259
4386	22/12/2020	4	4.3	4.3.3.4	2300050292	713	41	33.7	32	4.7	15.9	3.6	150	57.2	38.06	73.95	1	1	1	1	1	35.89	48.53424968
4387	22/12/2020	4	4.3	4.3.3.4	2300053307	726	23	26.9	31	3.9	16.8	3.4	121	57.1	47.25	74.03	1	1	1	1	1	26.79	36.18245853
4388	22/12/2020	4	4.3	4.3.3.4	2300050000	892	27	28.4	30	4.5	17.3	3.8	135	65.7	48.70	75.09	1	1	1	1	1	26.40	35.15357082
4389	22/12/2020	4	4.3	4.3.3.4	2300050077	891	12	32.6	30	3.7	12.8	3.7	111	47.4	42.67	75.09	1	1	1	1	1	32.42	43.17808521
4390	22/12/2020	4	4.3	4.3.3.4	2300045909	726	15	33.7	30	3.6	14.5	3.4	108	49.3	45.65	74.03	1	1	1	1	1	28.38	38.34031026
4391	22/12/2020	4	4.3	4.3.3.4	2300053303	832	18	32.5	31	4.4	13.8	3.3	136	45.5	33.39	74.71	1	1	1	1	1	41.32	55.31155231
4392	22/12/2020	4	4.3	4.3.3.4	2300049920	834	21	34.7	32	4.7	11.7	3.7	150	43.3	28.78	74.72	1	1	1	1	1	45.94	61.4803828
4393	22/12/2020	4	4.4	4.4.1.2	23000	719	67	44	30	3.9	24.2		117	0.0	0.00	73.99	1	1	1	1	1	73.99	100
4394	22/12/2020	4	4.4	4.4.1.2	23000	758	32	31	31	2.2	22.7		68	0.0	0.00	74.24	1	1	1	1	1	74.24	100
4395	22/12/2020	4	4.4	4.4.1.2	2300054444	812	24	26.3	30	3.1	16.2		93	0.0	0.00	74.58	1	1	1	1	1	74.58	100
4396	22/12/2020	4	4.4	4.4.1.2	2300053809	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
4397	22/12/2020	4	4.4	4.4.1.2	2300053808	796	36	32.3	32	3.1	12.9		99	0.0	0.00	74.48	1	1	1	1	1	74.48	100
4398	22/12/2020	4	4.4	4.4.1.2	2300057042	814	23	30.4	31	3	14.2		93	0.0	0.00	74.60	1	1	1	1	1	74.60	100
4399	22/12/2020	4	4.4	4.4.1.2	2300057544	795	17	19.4	30	2.1	13.5		63	0.0	0.00	74.47	1	1	1	1	1	74.47	100

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4400	22/12/2020	4	4.4	4.4.1.2	2300054480	803	12	17.2	31	2.4	15.6		74	0.0	0.00	74.53	1	1	1	1	1	74.53	100
4401	22/12/2020	4	4.4	4.4.1.2	2300056967	726	11	19.3	31	2.1	5.9		65	0.0	0.00	74.03	1	1	1	1	1	74.03	100
4402	22/12/2020	4	4.4	4.4.1.2	2300053307	821	38	26.4	29	2.4	13.8		70	0.0	0.00	74.64	1	1	1	1	1	74.64	100
4403	22/12/2020	4	4.4	4.4.1.2	2300054148	722	32	28.9	31	3	12.7		93	0.0	0.00	74.01	1	1	1	1	1	74.01	100
4404	22/12/2020	4	4.4	4.4.1.2	2300054129	719	42	31.3	28	2.9	13.4		81	0.0	0.00	73.99	1	1	1	1	1	73.99	100
4405	22/12/2020	4	4.4	4.4.1.2	2300054302	778	32	26.4	20	2.4	19.3		48	0.0	0.00	74.37	1	1	1	1	1	74.37	100
4406	22/12/2020	4	4.4	4.4.1.2	2300057655	776	22	22.4	30	1.9	9.9		57	0.0	0.00	74.35	1	1	1	1	1	74.35	100
4407	22/12/2020	4	4.4	4.4.1.2	2300057070	772	26	28.1	32	1.7	12.5		54	0.0	0.00	74.33	1	1	1	1	1	74.33	100
4408	22/12/2020	4	4.4	4.4.1.2	2300053269	761	101	68.2	21	5.07	16.3	4.59	106	74.8	70.27	74.26	1	0	0	0	0	3.99	5.367754521
4409	22/12/2020	4	4.4	4.4.1.2	2300057462	863	129	56.7	32	6.06	21	5.28	194	110.9	57.18	74.91	1	1	1	1	0	17.73	23.66996601
4410	22/12/2020	4	4.4	4.4.1.2	2300057685	871	73	39.8	32	5.91	14.3	5.3	189	75.8	40.08	74.96	1	1	1	1	1	34.89	46.5383261
4411	22/12/2020	4	4.4	4.4.1.2	2300053263	920	135	59.3	31	6.28	21.9	5.41	195	118.5	60.86	75.27	1	1	1	0	0	14.42	19.15092645
4412	22/12/2020	4	4.4	4.4.1.2	2300053247	935	90	41.9	31	6.48	14.7	5.9	201	86.7	43.18	75.37	1	1	1	1	1	32.19	42.71589509
4413	22/12/2020	4	4.4	4.4.1.2	2300057682	966	98	63.6	30	6.99	14.6	6.3	210	92.0	43.86	75.57	1	1	1	1	1	31.71	41.95634558
4414	22/12/2020	4	4.4	4.4.1.2	2300057608	891	99	62.7	19	6.07	14.3	6.34	115	90.7	78.61	75.09	0	0	0	0	0	-3.52	-4.691193996
4415	22/12/2020	4	4.4	4.4.1.2	2300055279	967	137	57.6	30	6.81	23.1	5.1	204	117.8	57.67	75.57	1	1	1	1	0	17.91	23.6978487
4416	22/12/2020	4	4.4	4.4.1.2	2300057077	994	100	61.4	20	7.03	14.3	6.39	141	91.4	64.99	75.75	1	1	0	0	0	10.76	14.20090681
4417	22/12/2020	4	4.4	4.4.1.3	2300055292	991	94	57.1	20	7.24	13.8	6.26	145	86.4	59.66	75.73	1	1	1	1	0	16.07	21.21816783
4418	22/12/2020	4	4.4	4.4.1.3	2300055287	998	104	60.2	30	7.15	23.7	6.8	215	161.2	75.13	75.77	0	0	0	0	0	0.64	0.845065098
4419	22/12/2020	4	4.4	4.4.1.3	2300055070	981	102	62.9	20	7.16	14.2	6.53	143	92.7	64.75	75.66	1	1	0	0	0	10.91	14.4210576
4420	22/12/2020	4	4.4	4.4.1.3	2300054015	950	107	68.2	21	6.1	15.1	5.68	128	85.8	66.95	75.47	1	1	0	0	0	8.51	11.27932813
4421	22/12/2020	4	4.4	4.4.1.3	2300054485	1046	133	63.8	30	7.37	22.6	6.51	221	147.1	66.54	76.08	1	1	0	0	0	9.54	12.53628945
4422	22/12/2020	4	4.4	4.4.1.3	2300055218	1050	132	61.2	30	6.89	22.7	5.76	207	130.8	63.26	76.11	1	1	1	0	0	12.85	16.88317078
4423	22/12/2020	4	4.4	4.4.1.3	2300053810	987	101	42.6	30	7.01	16.9	5.51	210	93.1	44.28	75.70	1	1	1	1	1	31.42	41.50926378
4424	22/12/2020	4	4.4	4.4.1.3	2300057605	1032	41	43.9	32	7.08	15.7	6.4	227	100.5	44.35	75.99	1	1	1	1	1	31.64	41.63730019
4425	22/12/2020	4	4.4	4.4.1.3	2300057038	828	80	65.4	19	3.79	14.8	3.44	72	50.9	70.70	74.69	1	0	0	0	0	3.98	5.334267717
4426	22/12/2020	4	4.4	4.4.1.3	2300053716	1033	111	52.8	31	6.61	23	4.74	205	109.0	53.20	76.00	1	1	1	1	1	22.79	29.99236078
4427	22/12/2020	4	4.4	4.4.1.3	2300054441	1053	113	47.4	31	7.43	19.9	5.45	230	108.5	47.09	76.13	1	1	1	1	1	29.04	38.14559631
4428	22/12/2020	4	4.4	4.4.1.3	2300057057	889	101	66.2	28	6.47	14.4	5.92	181	85.2	47.06	75.08	1	1	1	1	1	28.02	37.32085336
4429	22/12/2020	4	4.4	4.4.1.3	2300057604	912	89	62.3	30	6.6	14.2	5.95	198	84.5	42.67	75.22	1	1	1	1	1	32.55	43.27289443

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4430	22/12/2020	4	4.4	4.4.1.3	2300057666	1074	128	53	30	7.53	21.2	5.85	226	124.0	54.90	76.26	1	1	1	1	1	21.36	28.00854134
4431	22/12/2020	4	4.4	4.4.1.3	2300053248	973	121	52.7	30	6.7	20.4	5.32	201	108.5	53.99	75.61	1	1	1	1	1	21.62	28.59179369
4432	22/12/2020	4	4.4	4.4.1.3	VSPL22011012918673	786	121	55.7	32	5.37	21.1	4.61	172	97.3	56.61	74.42	1	1	1	1	0	17.81	23.93402084
4433	22/12/2020	4	4.4	4.4.1.3	2300055223	766	98	63.5	30	5.51	14.8	5.02	165	74.3	44.95	74.29	1	1	1	1	1	29.34	39.49774326
4434	22/12/2020	4	4.4	4.4.1.3	2300054131	806	111	67.1	23	5.83	16.6	5.4	134	89.6	66.85	74.54	1	1	0	0	0	7.69	10.32106675
4435	22/12/2020	4	4.4	4.4.1.3	2300055258	839	110	65.9	30	6.02	16.5	5.37	181	88.6	49.06	74.76	1	1	1	1	1	25.69	34.3708541
4436	22/12/2020	4	4.4	4.4.1.3	2300055302	819	104	63.7	22	6.13	15.9	5.57	135	88.6	65.67	74.63	1	1	0	0	0	8.96	12.00263069
4437	22/12/2020	4	4.4	4.4.1.3	2300057634	577	106	67.1	21	6.22	16	5.56	131	89.0	68.11	73.08	1	0	0	0	0	4.97	6.80476936
4438	22/12/2020	4	4.4	4.4.1.3	2300057656	741	92	43.4	32	6.34	15.2	5.88	203	89.4	44.05	74.13	1	1	1	1	1	30.07	40.57118761
4439	22/12/2020	4	4.4	4.4.1.3	2300057557	990	105	64.2	22	6.5	16.1	5.19	143	83.6	58.43	75.72	1	1	1	1	0	17.29	22.83237747
4440	22/12/2020	4	4.4	4.4.1.3	2300057542	1013	138	57.1	31	7.26	20.8	6.31	225	131.2	58.32	75.87	1	1	1	1	0	17.55	23.13495691
4441	22/12/2020	4	4.4	4.4.2.2	2300044216	1119	111	62.4	21	7.91	15.4	7.11	166	109.5	65.92	76.55	1	1	0	0	0	10.63	13.88814109
4442	22/12/2020	4	4.4	4.4.2.2	2300044191	1114	106	63.8	21	7.75	15.4	7.08	163	109.0	66.99	76.52	1	1	0	0	0	9.52	12.44458857
4443	22/12/2020	4	4.4	4.4.2.2	2300051716	1109	89	54.8	20	7.88	13.3	6.8	158	90.4	57.39	76.48	1	1	1	1	0	19.10	24.9698147
4444	22/12/2020	4	4.4	4.4.2.2	2300051191	1027	100	32.1	21	7.38	15.2	6.72	155	102.1	65.91	75.96	1	1	0	0	0	10.05	13.23209545
4445	22/12/2020	4	4.4	4.4.2.2	2300050905	765	90	54.6	20	6.44	13.9	5.3	129	73.7	57.20	74.28	1	1	1	1	0	17.08	22.99991254
4446	22/12/2020	4	4.4	4.4.2.2	2300057310	1026	124	60.9	31	7.64	24.2	6.1	237	147.6	62.33	75.95	1	1	1	0	0	13.62	17.93676239
4447	22/12/2020	4	4.4	4.4.2.2	2300057548	1201	120	48.7	30	8.29	18.2	6.91	249	125.8	50.57	77.07	1	1	1	1	1	26.50	34.38928551
4448	22/12/2020	4	4.4	4.4.2.2	2300057021	1015	102	60.9	20	8.93	14.2	7.9	179	112.2	62.81	75.88	1	1	1	0	0	13.07	17.22575805
4449	22/12/2020	4	4.4	4.4.2.2	-	528	101	66.1	19	4.46	15	3.99	85	59.9	70.63	72.77	0	0	0	0	0	2.14	2.937389452
4450	22/12/2020	4	4.4	4.4.2.2	2300051722	820	128	NA	30	5.56	20.9	5.92	167	123.7	74.18	74.63	0	0	0	0	0	0.46	0.611707756
4451	22/12/2020	4	4.4	4.4.2.2	2300044614	1057	95	59.5	21	7.06	14.9	6.2	148	92.4	62.31	76.15	1	1	1	0	0	13.84	18.1762288
4452	22/12/2020	4	4.4	4.4.2.2	-	1055	97	61.7	30	7.03	15	6.29	211	94.4	44.74	76.14	1	1	1	1	1	31.40	41.24242546
4453	22/12/2020	4	4.4	4.4.2.2	2300044813	1082	137	57.9	30	7.58	31.1	6.54	227	203.4	89.44	76.31	1	1	1	0	0	-13.13	-17.20919158
4454	22/12/2020	4	4.4	4.4.2.2	-	1061	125	54.7	30	7.67	23.7	5.48	230	129.9	56.44	76.18	1	1	1	1	1	19.73	25.9044986
4455	22/12/2020	4	4.4	4.4.2.2	-	1055	101	62.6	20	7.62	14.2	6.91	152	98.1	64.38	76.14	1	1	1	0	0	11.75	15.43708209
4456	22/12/2020	4	4.4	4.4.2.2	-	1053	100	60.1	30	7.76	14.2	6.86	233	97.4	41.84	76.13	1	1	1	1	1	34.28	45.0331262
4457	22/12/2020	4	4.4	4.4.2.2	-	1054	108	67.9	30	7.4	23.3	6.63	222	154.5	69.59	76.13	1	0	0	0	0	6.55	8.59887992
4458	22/12/2020	4	4.4	4.4.2.2	-	1046	135	59.4	30	7.18	21.9	6.3	215	138.0	64.05	76.08	1	1	1	0	0	12.03	15.80890112

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4459	22/12/2020	4	4.4	4.4.2.2	2300057524	831	134	54.7	32	6.22	20.9	5.31	199	111.0	55.76	74.70	1	1	1	1	1	18.95	25.36298499
4460	22/12/2020	4	4.4	4.4.2.2	2300057527	980	138	62.4	30	7.22	24.9	5.74	217	142.9	65.99	75.66	1	1	0	0	0	9.67	12.78364537
4461	22/12/2020	4	4.4	4.4.2.2	2300051934	885	129	53.2	31	7.07	20.8	5.7	219	118.6	54.09	75.05	1	1	1	1	1	20.96	27.92139273
4462	22/12/2020	4	4.4	4.4.2.2	2300051326	925	117	48.9	31	6.93	20.4	5.28	215	107.7	50.14	75.31	1	1	1	1	1	25.17	33.4206453
4463	22/12/2020	4	4.4	4.4.2.2	2300051326	895	131	53.6	31	7.4	22.1	5.71	229	126.2	55.01	75.11	1	1	1	1	1	20.10	26.76577693
4464	22/12/2020	4	4.4	4.4.2.2	-	982	131	52.8	31	7.21	20.8	5.82	224	121.1	54.16	75.67	1	1	1	1	1	21.51	28.42505291
4465	22/12/2020	4	4.4	4.4.2.3	23000575221	1012	129	53	32	7.29	20.7	5.93	233	122.8	52.62	75.86	1	1	1	1	1	23.24	30.63847002
4466	22/12/2020	4	4.4	4.4.2.3	2300051614	1025	122	50.9	32	7.27	20.5	5.56	233	114.0	48.99	75.95	1	1	1	1	1	26.95	35.48817047
4467	22/12/2020	4	4.4	4.4.2.3	2300050901	1026	125	53.8	30	7.08	20.1	5.67	212	114.0	53.66	75.95	1	1	1	1	1	22.30	29.35472788
4468	22/12/2020	4	4.4	4.4.2.3	2300051692	946	123	54.9	30	7.07	21.2	5.75	212	121.9	57.47	75.44	1	1	1	1	0	17.97	23.81682739
4469	22/12/2020	4	4.4	4.4.2.3	2300051910	1030	123	40.1	31	7.23	20.5	5.71	224	117.1	52.23	75.98	1	1	1	1	1	23.75	31.26117235
4470	22/12/2020	4	4.4	4.4.2.3	2300051612	1051	137	53.8	32	3.39	23.5	5.89	108	138.4	127.59	76.11	1	1	1	1	1	-51.48	-67.640159
4471	22/12/2020	4	4.4	4.4.2.3	2300051719	1045	137	54.8	33	7.46	21.3	6.35	246	135.3	54.94	76.07	1	1	1	1	1	21.13	27.77886503
4472	22/12/2020	4	4.4	4.4.2.3	2300050902	1049	135	57.9	32	7.33	24	5.7	235	136.8	58.32	76.10	1	1	1	1	0	17.78	23.3610104
4473	22/12/2020	4	4.4	4.4.2.3	2300053309	1048	138	59.4	32	7.15	24.6	5.74	229	141.2	61.72	76.09	1	1	1	0	0	14.38	18.8954664
4474	22/12/2020	4	4.4	4.4.2.3	2300051686	1053	90	36.5	31	7.26	13.9	6.02	225	83.7	37.18	76.13	1	1	1	1	1	38.94	51.15900192
4475	22/12/2020	4	4.4	4.4.2.3	2300057520	1056	93	43.9	31	6.81	19.6	4.81	211	94.3	44.66	76.14	1	1	1	1	1	31.49	41.35184246
4476	22/12/2020	4	4.4	4.4.2.3	2300051901	1062	85	39.4	31	6.72	17.4	4.81	208	83.7	40.18	76.18	1	1	1	1	1	36.01	47.2640921
4477	22/12/2020	4	4.4	4.4.2.3	2300057487	1064	113	55.4	31	6.89	23.4	5.12	214	119.8	56.09	76.20	1	1	1	1	1	20.10	26.38352648
4478	22/12/2020	4	4.4	4.4.2.3	2300053471	1064	86	58.4	20	5.78	17.9	5.1	116	91.3	78.97	76.20	0	0	0	0	0	-2.77	-3.641927139
4479	22/12/2020	4	4.4	4.4.2.3	2300050904	1069	99	61.7	31	7.49	15	6.65	232	99.8	42.96	76.23	1	1	1	1	1	33.27	43.64179578
4480	22/12/2020	4	4.4	4.4.2.3	2300053725	1074	138	61.7	31	7.06	22.2	6.23	219	138.3	63.19	76.26	1	1	1	0	0	13.07	17.13328875
4481	22/12/2020	4	4.4	4.4.2.3	23000	1061	98	61.1	21	7.46	14.6	6.65	157	97.1	61.97	76.18	1	1	1	0	0	14.20	18.64281108
4482	22/12/2020	4	4.4	4.4.2.3	2300053713	1035	104	62.6	21	7.21	14.5	6.56	151	95.1	62.82	76.01	1	1	1	0	0	13.19	17.34929743
4483	22/12/2020	4	4.4	4.4.2.3	23000	748	136	58	30	6.83	24.3	5.19	205	126.1	61.55	74.17	1	1	1	0	0	12.62	17.01785491
4484	22/12/2020	4	4.4	4.4.2.3	2300057528	1008	99	60.7	21	7.45	15	6.75	156	101.3	64.72	75.84	1	1	0	0	0	11.12	14.66303868
4485	22/12/2020	4	4.4	4.4.2.3	2300048684	1107	124	NA	31	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	76.47	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
4486	22/12/2020	4	4.4	4.4.2.3	2300041212	1095	79	56.3	30	6.84	24.5	5.55	205	136.0	66.26	76.39	1	1	0	0	0	10.13	13.25939225
4487	22/12/2020	4	4.4	4.4.2.3	23000	1045	89	40.5	30	7.33	14.3	6.44	220	92.1	41.88	76.07	1	1	1	1	1	34.19	44.94960706
4488	22/12/2020	4	4.4	4.4.2.3	2300043427	1060	103	63.9	30	7.47	14.9	6.8	224	101.3	45.21	76.17	1	1	1	1	1	30.96	40.64335178

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4489	22/12/2020	4	4.4	4.4.2.1	23000	988	89	44.2	33	5.66	19	4.02	187	76.4	40.89	75.71	1	1	1	1	1	34.82	45.98671069
4490	22/12/2020	4	4.4	4.4.2.1	23000	961	129	54.3	32	6.68	21.7	5.48	214	118.9	55.63	75.54	1	1	1	1	1	19.91	26.35257469
4491	22/12/2020	4	4.4	4.4.2.1	23000	1002	96	61.4	21	6.82	5.15	6.05	143	31.2	21.75	75.80	1	1	1	1	1	54.04	71.29902806
4492	22/12/2020	4	4.4	4.4.2.1	2300051895	990	77	33	32	6.87	13.1	5.59	220	73.2	33.31	75.72	1	1	1	1	1	42.41	56.00996455
4493	22/12/2020	4	4.4	4.4.2.1	2300051674	995	89	33.6	32	6.93	13	5.72	222	74.4	33.53	75.75	1	1	1	1	1	42.22	55.73600598
4494	22/12/2020	4	4.4	4.4.2.1	2300051903	989	89	38.1	32	6.78	17	4.89	217	83.1	38.32	75.72	1	1	1	1	1	37.40	49.3950803
4495	22/12/2020	4	4.4	4.4.2.1	2300051672	1032	91	37.9	32	7.01	14.1	6.06	224	85.4	38.09	75.99	1	1	1	1	1	37.90	49.87403761
4496	22/12/2020	4	4.4	4.4.2.1	2300051906	1052	67	69.2	32	7.17	24.2	7.77	229	188.0	81.95	76.12	1	0	0	0	0	-5.83	-7.665191625
4497	22/12/2020	4	4.4	4.4.2.1	2300051317	1038	104	64.3	20	7.15	14.8	6.8	143	100.6	70.38	76.03	1	0	0	0	0	5.65	7.433430343
4498	22/12/2020	4	4.4	4.4.2.1	2300051311	1035	101	63.8	20	7.28	14.6	6.65	146	97.1	66.68	76.01	1	1	0	0	0	9.33	12.27115865
4499	22/12/2020	4	4.4	4.4.2.1	23000	767	103	63.3	21	5.32	15.6	4.79	112	74.7	66.89	74.29	1	0	0	0	0	7.41	9.973416959
4500	22/12/2020	4	4.4	4.4.2.1	2300050837	761	83	52.6	31	5.1	15.5	4.67	158	72.4	45.78	74.26	1	1	1	1	1	28.47	38.34293916
4501	22/12/2020	4	4.4	4.4.2.1	23000	760	105	66.6	20	5.4	15.4	4.81	108	74.1	68.59	74.25	1	0	0	0	0	5.66	7.626886145
4502	22/12/2020	4	4.4	4.4.2.1	2300051307	744	106	68.3	20	5.29	15.6	4.85	106	75.7	71.51	74.15	0	0	0	0	0	2.64	3.554144255
4503	22/12/2020	4	4.4	4.4.2.1	2300057577	667	137	69.3	31	4.37	24.6	3.95	135	97.2	71.73	73.65	0	0	0	0	0	1.93	2.615908437
4504	22/12/2020	4	4.4	4.4.2.1	2300051190	824	101	64.1	23	5.68	16.4	5.07	131	83.1	63.65	74.66	1	1	0	0	0	11.01	14.75086582
4505	22/12/2020	4	4.4	4.4.2.1	2300057522	828	104	66.9	23	5.5	16.6	5.08	127	84.3	66.66	74.69	1	1	0	0	0	8.02	10.74208733
4506	22/12/2020	4	4.4	4.4.2.1	2300051691	832	110	66.9	32	5.9	24.5	5.25	189	128.6	68.13	74.71	1	0	0	0	0	6.58	8.811512787
4507	22/12/2020	4	4.4	4.4.2.1	23000	834	104	63.9	32	5.63	25.1	4.64	180	116.5	64.64	74.72	1	1	0	0	0	10.08	13.48816142
4508	22/12/2020	4	4.4	4.4.2.1	2300050908	854	101	63.6	23	5.75	16.3	5.08	132	82.8	62.61	74.85	1	1	1	0	0	12.24	16.35219524
4509	22/12/2020	4	4.4	4.4.2.1	2300050911	1023	103	64.6	22	6.92	15.6	6.31	152	98.4	64.66	75.93	1	1	0	0	0	11.27	14.8482692
4510	22/12/2020	4	4.4	4.4.2.1	2300057566	1046	120	54.7	32	6.93	24.1	5.04	222	121.5	54.77	76.08	1	1	1	1	1	21.31	28.00678325
4511	22/12/2020	4	4.4	4.4.2.1	2300053726	1043	100	66.5	21	6.78	15.3	6.38	142	97.6	68.56	76.06	1	0	0	0	0	7.50	9.863654075
4512	22/12/2020	4	4.4	4.4.2.1	2300048669	1040	91	58.8	22	6.64	14.5	6.4	146	92.8	63.53	76.04	1	1	1	0	0	12.52	16.45822754
4513	22/12/2020	4	4.5	4.5.5.4	2300048154	1030	96	60	31	7.57	14.9	6.2	235	92.4	39.37	75.98	1	1	1	1	1	36.61	48.18774106
4514	22/12/2020	5	5.1	5.1.2.3	NA	1027	99	64.3	21	6.8	14.7	6.46	143	95.0	66.50	75.96	1	1	0	0	0	9.46	12.45254006
4515	22/12/2020	5	5.1	5.1.2.3	NA	1034	101	NA	21	6.99	15.5	6.33	147	98.1	66.84	76.00	1	1	0	0	0	9.16	12.05629178
4516	22/12/2020	5	5.1	5.1.2.3	NA	1029	101	62.2	21	7.02	15.2	6.3	147	95.8	64.96	75.97	1	1	0	0	0	11.01	14.49796377
4517	22/12/2020	5	5.1	5.1.2.3	NA	1025	94	60.4	21	6.73	14.8	6	141	88.8	62.83	75.95	1	1	1	0	0	13.11	17.26796598
4518	22/12/2020	5	5.1	5.1.2.3	NA	1045	94	59	21	7.05	14.4	6.24	148	89.9	60.69	76.07	1	1	1	1	0	15.38	20.2184595

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4519	22/12/2020	5	5.1	5.1.2.3	NA	1025	135	62.8	30	6.47	21.7	5.88	194	127.6	65.74	75.95	1	1	0	0	0	10.21	13.44211829
4520	22/12/2020	5	5.1	5.1.2.3	NA	1037	101	61.6	21	7.14	15.1	6.35	150	95.9	63.95	76.02	1	1	1	0	0	12.07	15.88192898
4521	22/12/2020	5	5.1	5.1.2.3	NA	1038	104	63.2	21	7.1	15.1	6.49	149	98.0	65.73	76.03	1	1	0	0	0	10.30	13.55028221
4522	22/12/2020	5	5.1	5.1.2.3	NA	1046	102	62.5	21	7.08	15.1	6.46	149	97.5	65.61	76.08	1	1	0	0	0	10.47	13.76488922
4523	22/12/2020	5	5.1	5.1.2.3	NA	1052	97	41.7	30	6.99	14.5	6.12	210	88.7	42.32	76.12	1	1	1	1	1	33.80	44.40585431
4524	22/12/2020	5	5.1	5.1.1.4	NA	1053	96	44.8	30	6.39	14.8	5.96	192	88.2	46.01	76.13	1	1	1	1	1	30.11	39.55541285
4525	22/12/2020	5	5.1	5.1.1.4	NA	1036	124	53	20	7.3	20.1	5.96	146	119.8	82.05	76.02	1	0	0	0	0	-6.04	-7.93993769
4526	22/12/2020	5	5.1	5.1.1.4	NA	1025	120	60.1	30	6.37	20.2	5.94	191	120.0	62.79	75.95	1	1	1	0	0	13.16	17.32537714
4527	22/12/2020	5	5.1	5.1.1.4	NA	1047	80	31	20	7.26	12.5	5.82	145	72.8	50.10	76.09	1	1	1	1	1	25.98	34.1498055
4528	22/12/2020	5	5.1	5.1.1.4	NA	1047	116	49.7	30	7.18	19	5.9	215	112.1	52.04	76.09	1	1	1	1	1	24.04	31.60086738
4529	22/12/2020	5	5.1	5.1.1.4	NA	1058	109	46.3	30	7.42	18.7	5.73	223	107.2	48.14	76.16	1	1	1	1	1	28.02	36.79373901
4530	22/12/2020	5	5.1	5.1.1.4	NA	1057	82	39.1	30	6.72	17.3	4.63	202	80.1	39.73	76.15	1	1	1	1	1	36.42	47.82504343
4531	22/12/2020	5	5.1	5.1.1.4	NA	1040	90	36.6	30	7.32	13.3	6.25	220	83.1	37.85	76.04	1	1	1	1	1	38.19	50.22104312
4532	22/12/2020	5	5.1	5.1.1.4	NA	1039	82	33.8	30	7.23	13	5.84	217	75.9	35.00	76.04	1	1	1	1	1	41.03	53.96589859
4533	22/12/2020	5	5.1	5.1.1.4	NA	1039	75	35.8	30	6.46	16.8	4.28	194	71.9	37.10	76.04	1	1	1	1	1	38.93	51.20421594
4534	22/12/2020	4	4.5	4.5.5.4	2300053268	1030	109	46.1	20	7.33	18.2	5.77	147	105.0	71.63	75.98	1	0	0	0	0	4.34	5.718740942
4535	22/12/2020	4	4.5	4.5.5.4	2300053256	1029	93	41.3	30	6.9	16.2	5.43	207	88.0	42.50	75.97	1	1	1	1	1	33.48	44.0637657
4536	22/12/2020	4	4.5	4.5.5.4	2300054134	1015	85	39	30	6.76	17.1	4.75	203	81.2	40.05	75.88	1	1	1	1	1	35.83	47.21834539
4537	22/12/2020	4	4.5	4.5.5.2	2300048375	701	107	66.2	20	4.96	14.7	4.54	99	66.7	67.28	73.87	1	0	0	0	0	6.60	8.929167487
4538	22/12/2020	4	4.5	4.5.5.2	2300048546	840	106	47.2	32	5.85	19.1	4.58	187	87.5	46.73	74.76	1	1	1	1	1	28.03	37.49538421
4539	22/12/2020	4	4.5	4.5.5.2	2300048456	825	129	54.6	31	5.84	21	4.82	181	101.2	55.91	74.67	1	1	1	1	1	18.76	25.11947062
4540	22/12/2020	4	4.5	4.5.5.2	2300048449	821	134	57.7	31	5.8	21.3	4.97	180	105.9	58.88	74.64	1	1	1	1	0	15.76	21.11901108
4541	22/12/2020	4	4.5	4.5.5.2	2300048580	823	135	58.8	31	5.78	21.4	5.02	179	107.4	59.96	74.65	1	1	1	0	0	14.70	19.68816854
4542	22/12/2020	4	4.5	4.5.5.2	2300048525	831	104	50.1	31	5.01	19.02	4.11	155	78.2	50.33	74.70	1	1	1	1	1	24.37	32.62376594
4543	22/12/2020	4	4.5	4.5.5.2	2300054133	605	89	48.2	30	4.27	18.8	3.42	128	64.3	50.19	73.26	1	1	1	1	1	23.07	31.4859299
4544	22/12/2020	4	4.5	4.5.5.2	230054792	827	93	62.3	23	5.13	16.5	4.43	118	73.1	61.95	74.68	1	1	1	0	0	12.73	17.04450893
4545	22/12/2020	4	4.5	4.5.5.2	2300044190	1021	115	55.8	30	6.3	23.5	4.7	189	110.5	58.44	75.92	1	1	1	1	0	17.48	23.02575666
4546	22/12/2020	4	4.5	4.5.5.2	2300053264	1020	94	64	20	6.62	15	5.92	132	88.8	67.07	75.91	1	1	0	0	0	8.84	11.65070158
4547	22/12/2020	4	4.5	4.5.5.2	2300056240	887	98	66.5	21	5.9	15.7	5.32	124	83.5	67.41	75.06	1	1	0	0	0	7.65	10.19196009
4548	22/12/2020	4	4.5	4.5.5.2	2300054156	887	86	43.6	32	5.98	15.5	5.3	191	82.2	42.93	75.06	1	1	1	1	1	32.13	42.80847923

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4549	22/12/2020	4	4.5	4.5.5.2	2300054154	886	91	63.2	21	5.84	14.8	5.28	123	78.1	63.72	75.06	1	1	1	0	0	11.34	15.10624063
4550	22/12/2020	4	4.5	4.5.5.2	2300054142	881	100	65.7	21	6.19	14.2	5.64	130	80.1	61.61	75.02	1	1	1	0	0	13.41	17.87885922
4551	22/12/2020	4	4.5	4.5.5.2	2300044240	919	97	62.6	21	6.12	15.5	5.52	129	85.6	66.57	75.27	1	1	0	0	0	8.69	11.5511907
4552	22/12/2020	4	4.5	4.5.5.2	2300056245	1033	102	62.8	30	7.38	15.7	6.62	221	103.9	46.94	76.00	1	1	1	1	1	29.05	38.22931269
4553	22/12/2020	4	4.5	4.5.5.2	2300056235	1034	123	56	30	6.85	23.7	5.1	206	120.9	58.82	76.00	1	1	1	1	0	17.19	22.61219436
4554	22/12/2020	4	4.5	4.5.5.2	2300056234	1048	135	62.8	30	6.82	23.8	5.57	205	132.6	64.79	76.09	1	1	0	0	0	11.30	14.85077987
4555	22/12/2020	4	4.5	4.5.5.2	2300044255	1039	136	64	30	6.67	22.7	5.7	200	129.4	64.66	76.04	1	1	0	0	0	11.37	14.95737698
4556	22/12/2020	4	4.5	4.5.5.2	2300051879	955	134	63.5	31	6.32	23.8	5.19	196	123.5	63.05	75.50	1	1	1	0	0	12.45	16.49161288
4557	22/12/2020	4	4.5	4.5.5.2	Vspl2201101298 1676	962	76	50.2	30	6.6	12.6	5.56	198	70.1	35.38	75.54	1	1	1	1	1	40.16	53.16321584
4558	22/12/2020	4	4.5	4.5.5.2	2300051313	961	119	52.5	31	6.54	19.5	5.62	203	109.6	54.05	75.54	1	1	1	1	1	21.48	28.43919755
4559	22/12/2020	4	4.5	4.5.5.2	230005142	980	88	42.4	31	6.1	17.9	4.58	189	82.0	43.35	75.66	1	1	1	1	1	32.30	42.69769083
4560	22/12/2020	4	4.5	4.5.5.4	2300056860	985	96	46	30	6.67	14.1	5.99	200	84.5	42.21	75.69	1	1	1	1	1	33.48	44.23517532
4561	22/12/2020	4	4.5	4.5.5.4	2300056662	738	96	62.1	20	5.3	14.6	4.7	106	68.6	64.74	74.11	1	1	0	0	0	9.37	12.64802608
4562	22/12/2020	4	4.5	4.5.5.4	2300056004	728	104	67.5	30	5.09	15.7	4.65	153	73.0	47.81	74.05	1	1	1	1	1	26.24	35.43210059
4563	22/12/2020	4	4.5	4.5.5.4	2300056955	677	106	66.4	20	4.91	15.7	4.43	98	69.6	70.83	73.72	0	0	0	0	0	2.89	3.924283113
4564	22/12/2020	4	4.5	4.5.5.4	2300050713	706	95	67.5	30	4.29	23.6	4.6	129	108.6	84.35	73.90	1	1	0	0	0	-10.45	-14.1355648
4565	22/12/2020	4	4.5	4.5.5.4	2300050708	822	106	62.1	22	5.96	15.7	5.35	131	84.0	64.06	74.65	1	1	0	0	0	10.59	14.1830058
4566	22/12/2020	4	4.5	4.5.5.4	2300049851	889	101	66.7	21	5.83	15.7	5.22	122	82.0	66.94	75.08	1	1	0	0	0	8.14	10.8372419
4567	22/12/2020	4	4.5	4.5.5.4	2300050303	888	104	68.8	31	5.59	23.7	5.1	173	120.9	69.75	75.07	1	0	0	0	0	5.32	7.08555594
4568	22/12/2020	4	4.5	4.5.5.4	2300050721	790	106	66.8	20	5.65	15.3	5.14	113	78.6	69.59	74.44	1	0	0	0	0	4.85	6.511525395
4569	22/12/2020	4	4.5	4.5.5.4	2300050666	862	126	54.4	32	5.76	24.1	4.61	184	111.1	60.28	74.90	1	1	1	0	0	14.63	19.52750742
4570	22/12/2020	4	4.5	4.5.5.4	2300050654	886	106	65.2	21	6.42	15.4	5.8	135	89.3	66.25	75.06	1	1	0	0	0	8.81	11.73131402
4571	22/12/2020	4	4.5	4.5.5.4	2300050722	903	89	45.1	28	6.38	15	5.47	179	82.1	45.93	75.17	1	1	1	1	1	29.23	38.89411225
4572	22/12/2020	4	4.5	4.5.5.4	2300050726	916	100	64.7	21	6.29	15.4	5.58	132	85.9	65.06	75.25	1	1	0	0	0	10.19	13.54547887
4573	22/12/2020	4	4.5	4.5.5.4	2300050715	924	103	44.8	32	6.65	16.8	6.1	213	102.5	48.16	75.30	1	1	1	1	1	27.14	36.04495278
4574	22/12/2020	4	4.5	4.5.5.4	2300050656	916	96	43.8	31	6.51	15.4	5.87	202	90.4	44.79	75.25	1	1	1	1	1	30.45	40.47233196
4575	22/12/2020	4	4.5	4.5.5.4	2300050732	945	114	47.8	31	6.7	19.5	5.2	208	101.4	48.82	75.43	1	1	1	1	1	26.61	35.28062404
4576	22/12/2020	4	4.5	4.5.5.4	2300050733	755	73	44.6	32	5.36	16	4.88	172	78.1	45.52	74.22	1	1	1	1	1	28.70	38.66395206
4577	22/12/2020	4	4.5	4.5.5.4	2300050681	750	106	68.6	32	5.3	16	4.91	170	78.6	46.32	74.19	1	1	1	1	1	27.87	37.56132597

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4578	22/12/2020	4	4.5	4.5.4	2300050727	805	103	65.6	21	5.65	15.7	5.06	119	79.4	66.95	74.54	1	1	0	0	0	7.58	10.17345596
4579	22/12/2020	4	4.5	4.5.4.1	2300056201	980	104	63.2	30	7.03	16.3	6.24	211	101.7	48.23	75.66	1	1	1	1	1	27.43	36.25578787
4580	22/12/2020	4	4.5	4.5.4.1	2300056183	1014	106	43.4	31	7.11	14.9	6.58	220	98.0	44.48	75.88	1	1	1	1	1	31.39	41.37555705
4581	22/12/2020	4	4.5	4.5.4.1	2300056211	1004	103	64.9	20	6.91	15.2	6.22	138	94.5	68.41	75.81	1	0	0	0	0	7.40	9.761832552
4582	22/12/2020	4	4.5	4.5.4.1	2300056426	1003	116	48.8	30	7	19.5	5.56	210	108.4	51.63	75.81	1	1	1	1	1	24.18	31.89310044
4583	22/12/2020	4	4.5	4.5.4.1	2300056115	787	138	57.3	31	5.49	21.8	4.53	170	98.8	58.03	74.42	1	1	1	1	0	16.40	22.03231276
4584	22/12/2020	4	4.5	4.5.4.1	23000	757	132	61.3	30	5.05	21.6	4.5	152	97.2	64.16	74.23	1	1	0	0	0	10.07	13.5690093
4585	22/12/2020	4	4.5	4.5.4.1	2300056027	743	126	55.1	31	5.3	20.6	4.48	164	92.3	56.17	74.14	1	1	1	1	0	17.97	24.23858804
4586	22/12/2020	4	4.5	4.5.4.1	2300056918	745	129	56.1	31	5.26	21	4.47	163	93.9	57.57	74.15	1	1	1	1	0	16.59	22.36728097
4587	22/12/2020	4	4.5	4.5.4.1	2300056463	963	100	61.4	21	6.97	14.5	6.19	146	89.8	61.32	75.55	1	1	1	0	0	14.23	18.83352066
4588	22/12/2020	4	4.5	4.5.4.1	2300050438	659	102	42	31	7	17	5.48	217	93.2	42.93	73.60	1	1	1	1	1	30.67	41.67285897
4589	22/12/2020	4	4.5	4.5.4.1	2300056883	951	105	43.3	31	7	17.4	5.48	217	95.4	43.94	75.47	1	1	1	1	1	31.53	41.77869814
4590	22/12/2020	4	4.5	4.5.4.1	2300056224	953	103	64.9	20	6.83	14.7	6.27	137	92.2	67.47	75.49	1	1	0	0	0	8.01	10.61341073
4591	22/12/2020	4	4.5	4.5.4.1	2300055774	953	95	40.8	31	7	14.3	6.28	217	89.8	41.38	75.49	1	1	1	1	1	34.10	45.17556846
4592	22/12/2020	4	4.5	4.5.4.1	2300055732	965	89	NA	20	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	75.56	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
4593	22/12/2020	4	4.5	4.5.4.1	2300056380	990	103	65.5	20	6.93	15.1	6.28	139	94.8	68.42	75.72	1	0	0	0	0	7.30	9.645188428
4594	22/12/2020	4	4.5	4.5.4.1	2300056207	1008	120	66.5	32	7.45	18.8	5.94	238	111.7	46.84	75.84	1	1	1	1	1	28.99	38.23310739
4595	22/12/2020	4	4.5	4.5.4.1	2300055223	1003	137	25.6	32	4.59	20.1	6.31	147	126.8	86.35	75.81	1	1	0	0	0	-10.54	-13.91049915
4596	22/12/2020	4	4.5	4.5.4.1	2300056209	1003	92	36.3	32	7.39	16.9	5.09	236	86.0	36.38	75.81	1	1	1	1	1	39.43	52.01438422
4597	22/12/2020	4	4.5	4.5.4.1	2300056229	1004	119	47.5	31	7.38	18.5	5.96	229	110.3	48.19	75.81	1	1	1	1	1	27.62	36.4282349
4598	22/12/2020	4	4.5	4.5.4.1	2300056224	1000	94	38.6	32	7.21	17.1	5.15	231	88.1	38.17	75.79	1	1	1	1	1	37.62	49.63496839
4599	23/12/2020	4	4.5	4.5.4.1	2300056220	1001	134	60.1	31	6.77	21	6	210	126.0	60.04	75.79	1	1	1	1	0	15.76	20.78735353
4600	23/12/2020	4	4.5	4.5.4.1	2300055788	1001	106	40.2	30	7.26	17.8	5.85	218	104.1	47.81	75.79	1	1	1	1	1	27.98	36.91990575
4601	23/12/2020	4	4.5	4.5.4.1	2300055789	1012	98	66.9	30	7.12	16.2	5.07	214	82.1	38.45	75.86	1	1	1	1	1	37.41	49.31343532
4602	23/12/2020	4	4.5	4.5.4.1	2300056212	989	119	84.7	30	7.2	18.7	5.85	216	109.4	50.65	75.72	1	1	1	1	1	25.07	33.11043783
4603	23/12/2020	4	4.5	4.5.4.3	2300048371	1002	130	52.3	30	7.3	19.4	6.2	219	120.3	54.92	75.80	1	1	1	1	1	20.88	27.54189456
4604	23/12/2020	4	4.5	4.5.4.2	NA	997	98	35.6	30	7.32	16.2	5.07	220	82.1	37.40	75.77	1	1	1	1	1	38.37	50.63584664
4605	23/12/2020	4	4.5	4.5.4.2	NA	990	89	34.2	30	7.28	16.3	4.75	218	77.4	35.45	75.72	1	1	1	1	1	40.27	53.18268492
4606	23/12/2020	4	4.5	4.5.4.2	NA	987	87	35.7	30	7.19	15.8	5.07	216	80.1	37.14	75.70	1	1	1	1	1	38.57	50.94277723
4607	23/12/2020	4	4.5	4.5.4.2	NA	976	83	34.1	30	7.32	12.9	6.03	220	77.8	35.42	75.63	1	1	1	1	1	40.21	53.16540114

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4608	23/12/2020	4	4.5	4.5.4.2	NA	983	79	34.2	30	7.03	20.9	5.88	211	122.9	58.27	75.68	1	1	1	1	0	17.41	23.00155097
4609	23/12/2020	4	4.5	4.5.4.3	2300049530	715	108	33.5	31	6.01	18.6	4.3	186	80.0	42.93	73.96	1	1	1	1	1	31.03	41.95877264
4610	23/12/2020	4	4.5	4.5.4.3	2300055758	816	100	45.7	32	5.64	18.2	4.53	180	82.4	45.68	74.61	1	1	1	1	1	28.93	38.77161827
4611	23/12/2020	4	4.5	4.5.4.3	2300047773	748	41	51.2	31	5.29	19.2	4.39	164	84.3	51.40	74.17	1	1	1	1	1	22.77	30.70508487
4612	23/12/2020	4	4.5	4.5.4.3	2300047805	738	93	42.4	31	5.63	17.8	4.27	175	76.0	43.55	74.11	1	1	1	1	1	30.56	41.23676944
4613	23/12/2020	4	4.5	4.5.4.3	2300048548	707	100	47.9	31	5.26	18.5	4.31	163	79.7	48.90	73.91	1	1	1	1	1	25.01	33.84028015
4614	23/12/2020	4	4.5	4.5.4.3	2300048544	770	104	59	31	4.2	19.5	3.44	130	67.1	51.52	74.31	1	1	1	1	1	22.79	30.67155943
4615	23/12/2020	4	4.5	4.5.4.3	2300047771	629	100	47.9	31	4.86	18.7	3.95	151	73.9	49.03	73.41	1	1	1	1	1	24.38	33.21544301
4616	23/12/2020	4	4.5	4.5.4.3	2300048556	717	87	59.4	20	4.63	14	4.11	93	57.5	62.14	73.97	1	1	1	0	0	11.84	16.00081522
4617	23/12/2020	4	4.5	4.5.4.3	2300048346	704	129	56.3	31	5.14	20.8	4.46	159	92.8	58.22	73.89	1	1	1	1	0	15.67	21.20869199
4618	23/12/2020	4	4.5	4.5.4.3	2300056569	699	127	53.6	31	5.2	20.4	4.35	161	88.7	55.05	73.86	1	1	1	1	1	18.81	25.46720021
4619	23/12/2020	4	4.5	4.5.4.3	2300056451	653	125	55.4	31	4.79	20.6	4.09	148	84.3	56.74	73.57	1	1	1	1	0	16.82	22.87043161
4620	23/12/2020	4	4.5	4.5.4.3	2300056455	865	127	51.8	32	NA	NA	4.85	#VALUE!	#VALUE!	#VALUE!	74.92	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
4621	23/12/2020	4	4.5	4.5.4.3	2300048465	981	116	49.3	30	6.98	19.9	5.43	209	108.1	51.60	75.66	1	1	1	1	1	24.06	31.79995895
4622	23/12/2020	4	4.5	4.5.4.3	2300056680	1007	134	64.6	31	7.28	20.5	6.1	226	125.1	55.41	75.83	1	1	1	1	1	20.42	26.92901105
4623	23/12/2020	4	4.5	4.5.4.3	2300056922	993	123	50.3	31	7.21	22.1	5.63	224	124.4	55.67	75.74	1	1	1	1	1	20.07	26.50267575
4624	23/12/2020	4	4.5	4.5.4.2	2300056675	994	51	60.7	31	7.3	21.9	6.38	226	139.7	61.74	75.75	1	1	1	0	0	14.01	18.48991191
4625	23/12/2020	4	4.5	4.5.4.3	2300056459	760	116	53.2	32	5.36	19.9	4.63	172	92.1	53.72	74.25	1	1	1	1	1	20.53	27.65261445
4626	23/12/2020	4	4.5	4.5.4.4	2300056681	761	91	45.4	30	5.93	17.3	4.47	178	77.3	43.47	74.26	1	1	1	1	1	30.79	41.46120375
4627	23/12/2020	4	4.5	4.5.4.2	-	743	108	50	31	5.34	19.1	4.44	166	84.8	51.23	74.14	1	1	1	1	1	22.91	30.90386175
4628	23/12/2020	4	4.5	4.5.4.3	2300056652	743	112	50.6	31	5.3	19.6	4.36	164	85.5	52.01	74.14	1	1	1	1	1	22.13	29.84713917
4629	23/12/2020	4	4.5	4.5.4.4	2300056467	737	105	49.8	31	5.22	19.1	4.33	162	82.7	51.11	74.10	1	1	1	1	1	22.99	31.03091751
4630	23/12/2020	4	4.5	4.5.4.2	2300056485	710	112	53.4	31	4.97	19.8	4.24	154	84.0	54.49	73.93	1	1	1	1	1	19.44	26.29579636
4631	23/12/2020	4	4.5	4.5.4.3	2300056656	701	129	68	31	4.99	21.2	4.4	155	93.3	60.30	73.87	1	1	1	0	0	13.57	18.37107275
4632	23/12/2020	4	4.5	4.5.4.4	2300056457	669	96	49.9	31	4.71	18.9	3.94	146	74.5	51.00	73.67	1	1	1	1	1	22.67	30.76927116
4633	23/12/2020	4	4.5	4.5.4.2	2300055537	809	126	51.1	30	5.94	19.8	5.03	178	99.6	55.89	74.56	1	1	1	1	1	18.67	25.04534533
4634	23/12/2020	4	4.5	4.5.4.3	2300056929	1008	132	53.2	30	7.32	20.2	6.1	220	123.2	56.11	75.84	1	1	1	1	1	19.73	26.01109863
4635	23/12/2020	4	4.5	4.5.4.4	-	1008	127	51.3	30	7.3	14.9	5.98	219	89.1	40.69	75.84	1	1	1	1	1	35.15	46.3510721
4636	23/12/2020	4	4.5	4.5.4.2	2300055199	1012	130	52.2	31	7.32	20.7	5.91	227	122.3	53.91	75.86	1	1	1	1	1	21.95	28.93493076
4637	23/12/2020	4	4.5	4.5.4.3	2300056926	976	92	40.9	30	6.88	14.9	5.82	206	86.7	42.01	75.63	1	1	1	1	1	33.62	44.44902597

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4638	23/12/2020	4	4.5	4.5.4.4	2300055554	834	129	43.7	32	6.07	21.1	4.99	194	105.3	54.21	74.72	1	1	1	1	1	20.52	27.45849784
4639	23/12/2020	4	4.5	4.5.4.2	2300056928	845	102	76.1	31	6.16	5.38	6.29	191	33.8	17.72	74.79	1	1	1	1	1	57.07	76.30679811
4640	23/12/2020	4	4.5	4.5.4.3	2300050709	844	82	42.6	30	6.05	15.2	5.44	182	82.7	45.56	74.79	1	1	1	1	1	29.23	39.08331499
4641	23/12/2020	4	4.5	4.5.4.4	2300048362	840	132	57.4	31	5.9	21.7	4.99	183	108.3	59.20	74.76	1	1	1	1	0	15.56	20.81085333
4642	23/12/2020	4	4.5	4.5.4.2	2300056218	845	99	46	30	5.98	18.3	4.87	179	89.1	49.68	74.79	1	1	1	1	1	25.12	33.5812264
4643	23/12/2020	4	4.5	4.5.4.3	2300055579	867	131	57.2	31	6.23	21.7	5.27	193	114.4	59.21	74.93	1	1	1	1	0	15.72	20.97999441
4644	23/12/2020	4	4.5	4.5.4.4	2300056711	829	128	43.9	30	6.37	20.5	5.37	191	110.1	57.61	74.69	1	1	1	1	0	17.09	22.87490767
4645	23/12/2020	4	4.5	4.5.4.2	2300056712	982	89	36.7	31	7.1	17.7	6.12	220	108.3	49.22	75.67	1	1	1	1	1	26.45	34.96063079
4646	23/12/2020	4	4.5	4.5.4.3	2300048518	988	120	45.4	30	6.96	20.3	5.36	209	108.8	52.11	75.71	1	1	1	1	1	23.60	31.16938085
4647	23/12/2020	4	4.5	4.5.4.4	2300050664	966	92	34.1	30	7.07	12.7	6.11	212	77.6	36.59	75.57	1	1	1	1	1	38.98	51.58677256
4648	23/12/2020	4	4.3	4.3.1.2	-	991	89	40.5	32	6.43	17.9	6.06	206	108.5	52.72	75.73	1	1	1	1	1	23.01	30.38450383
4649	23/12/2020	4	4.3	4.3.1.2	-	993	107	49.7	31	6.34	20.3	4.87	197	98.9	50.30	75.74	1	1	1	1	1	25.44	33.5887177
4650	23/12/2020	4	4.3	4.3.1.2	-	873	115	21.5	32	6.25	19.5	5.3	200	103.4	51.68	74.97	1	1	1	1	1	23.30	31.07537093
4651	23/12/2020	4	4.3	4.3.1.2	-	993	96	58.7	21	6.54	14.4	5.73	137	82.5	60.08	75.74	1	1	1	1	0	15.66	20.6790532
4652	23/12/2020	4	4.3	4.3.1.2	-	996	112	48	30	6.29	19.5	4.99	189	97.3	51.57	75.76	1	1	1	1	1	24.19	31.93544683
4653	23/12/2020	4	4.3	4.3.1.2	-	995	104		30	6.15	19	4.79	185	91.0	49.33	75.75	1	1	1	1	1	26.43	34.884081
4654	23/12/2020	4	4.3	4.3.1.2	2300048890	908	124	51.5	30	6.44	20.8	5.1	193	106.1	54.91	75.20	1	1	1	1	1	20.29	26.98287663
4655	23/12/2020	4	4.3	4.3.1.2	-	922	124	50.1	31	6.73	20.5	5.24	209	107.4	51.49	75.29	1	1	1	1	1	23.80	31.6104806
4656	23/12/2020	4	4.3	4.3.1.2	2300049518	905	109	40.7	31	6.53	18.5	5.31	202	98.2	48.53	75.18	1	1	1	1	1	26.65	35.44935196
4657	23/12/2020	4	4.3	4.3.1.2	2300049504	934	127	52.1	32	6.8	19.9	5.72	218	113.8	52.31	75.36	1	1	1	1	1	23.05	30.58895572
4658	23/12/2020	4	4.3	4.3.1.2	-	931	124	51.4	32	6.62	20.6	5.3	212	109.2	51.54	75.34	1	1	1	1	1	23.81	31.59558337
4659	23/12/2020	4	4.3	4.3.1.2	-	938	133	54.7	32	6.82	20.5	5.82	218	119.3	54.67	75.39	1	1	1	1	1	20.72	27.48408054
4660	23/12/2020	4	4.3	4.3.1.2	2300048493	936	107	45.6	32	6.74	18.1	5.39	216	97.6	45.23	75.38	1	1	1	1	1	30.14	39.99021461
4661	23/12/2020	4	4.3	4.3.1.2	2300048556	962	99	42.8	31	6.67	17.3	5.27	207	91.2	44.09	75.54	1	1	1	1	1	31.45	41.63182524
4662	23/12/2020	4	4.3	4.3.1.2	-	848	91	63.6	22	5.45	15.2	4.96	120	75.4	62.88	74.81	1	1	1	0	0	11.93	15.95190971
4663	23/12/2020	4	4.3	4.3.1.2	-	900	88	43.5	32	6.27	14.8	5.73	201	84.8	42.27	75.15	1	1	1	1	1	32.88	43.75383066
4664	23/12/2020	4	4.3	4.3.1.2	2300048952	903	82	39.9	31	6.42	14.7	5.62	199	82.6	41.51	75.17	1	1	1	1	1	33.65	44.77444221
4665	23/12/2020	4	4.3	4.3.1.2	-	951	135	59.6	30	6.52	21.4	5.77	196	123.5	63.13	75.47	1	1	1	0	0	12.34	16.35642717
4666	23/12/2020	4	4.3	4.3.1.2	-	944	128	55.1	31	6.65	20.4	5.72	206	116.7	56.60	75.43	1	1	1	1	0	18.82	24.95658871
4667	23/12/2020	4	4.3	4.3.1.2	-	958	136	57.9	30	6.91	21.1	6.03	207	127.2	61.38	75.52	1	1	1	0	0	14.14	18.72544761

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4668	23/12/2020	4	4.3	4.3.1.2	2300047237	977	15	63.5	30	6.8	22.7	6.06	204	137.6	67.43	75.64	1	1	0	0	0	8.21	10.84952043
4669	23/12/2020	4	4.3	4.3.1.2	2300048522	880	138	56.3	31	7.1	20.9	6.06	220	126.7	57.54	75.02	1	1	1	1	0	17.47	23.29328467
4670	23/12/2020	4	4.3	4.3.1.2	2300048528	1002	126	23.8	32	2.99	15.9	1.41	96	22.4	23.43	75.80	1	1	1	1	1	52.37	69.08759888
4671	23/12/2020	4	4.3	4.3.1.2	2300048455	993	68	34.6	10	1.59	5.3	1.05	16	5.6	35.00	75.74	1	1	1	1	1	40.74	53.79001125
4672	23/12/2020	4	4.3	4.3.1.4	2300049599	999	126	26.9	30	1.35	15.8	6.73	41	106.3	262.55	75.78	1	1	1	1	1	-186.77	-246.4693485
4673	23/12/2020	4	4.3	4.3.1.4	2300048788	974	95	25.8	31	1.05	16	6.54	33	104.6	321.47	75.62	1	1	1	1	1	-245.86	-325.1208078
4674	23/12/2020	4	4.3	4.3.1.4	2300049690	970	136	54.9	30	7.08	20.3	6	212	121.8	57.34	75.59	1	1	1	1	0	18.25	24.14129062
4675	23/12/2020	4	4.3	4.3.1.4	2300049885	951	90	27.5	30	4.17	15.6	2.31	125	36.0	28.81	75.47	1	1	1	1	1	46.67	61.83272906
4676	23/12/2020	4	4.3	4.3.1.4	2300048872	943	135	55.9	30	6.7	21.3	5.55	201	118.2	58.81	75.42	1	1	1	1	0	16.61	22.02002509
4677	23/12/2020	4	4.3	4.3.1.4	2300049894	703	129	56.7	30	5.07	21.2	4.31	152	91.4	60.07	73.89	1	1	1	0	0	13.81	18.69327583
4678	23/12/2020	4	4.3	4.3.1.4	2300049553	589	11	24.7	32	1.47	15.4	0.76	47	11.7	24.88	73.16	1	1	1	1	1	48.27	65.98899827
4679	23/12/2020	4	4.3	4.3.1.4	2300048923	686	46	64.4	10	4.88	7.4	4.54	49	33.6	68.84	73.78	1	0	0	0	0	4.93	6.685251252
4680	23/12/2020	4	4.3	4.3.1.4	2300049649	679	45	64.4	10	4.52	7.6	4.12	45	31.3	69.27	73.73	1	0	0	0	0	4.46	6.045255653
4681	23/12/2020	4	4.3	4.3.1.4	2300049699	675	103	55.4	20	4.09	19.9	3.95	82	78.6	96.09	73.71	1	1	1	1	1	-22.39	-30.37491117
4682	23/12/2020	4	4.3	4.3.1.4	2300049900	671	19	28.8	32	4.76	22.2	1.71	152	38.0	24.92	73.68	1	1	1	1	1	48.76	66.17481513
4683	23/12/2020	4	4.3	4.3.1.4	2300047243	666	90	46.4	32	3.47	18.6	5.81	111	108.1	97.32	73.65	1	1	1	1	1	-23.67	-32.14365265
4684	23/12/2020	4	4.3	4.3.1.4	2300049550	668	24	29.6	32	4.61	14.3	2.15	148	30.7	20.84	73.66	1	1	1	1	1	52.82	71.70662185
4685	23/12/2020	4	4.3	4.3.1.4	2300049910	657	42	61.4	10	4.42	7.2	4.21	44	30.3	68.58	73.59	1	0	0	0	0	5.01	6.810110068
4686	23/12/2020	4	4.3	4.3.1.4	2300048495	661	82	48.4	32	4.97	18.5	3.72	159	68.8	43.27	73.62	1	1	1	1	1	30.34	41.21943915
4687	23/12/2020	4	4.3	4.3.1.4	2300048883	663	52	67.7	10	4.67	7.7	4.68	47	36.0	77.16	73.63	0	0	0	0	0	-3.54	-4.802010924
4688	23/12/2020	4	4.3	4.3.1.4	2300048471	654	42	60.8	10	4.61	7.1	4.24	46	30.1	65.30	73.57	1	1	0	0	0	8.27	11.24086137
4689	23/12/2020	4	4.3	4.3.1.4	2300048975	647	48	65	10	4.47	7.6	4.22	45	32.1	71.75	73.53	0	0	0	0	0	1.78	2.417294489
4690	23/12/2020	4	4.3	4.3.1.4	2300048477	647	78	45.8	32	4.84	18.2	3.63	155	66.1	42.66	73.53	1	1	1	1	1	30.87	41.98543932
4691	23/12/2020	4	4.3	4.3.1.4	2300048921	644	54	68.1	10	4.72	7.8	4.5	47	35.1	74.36	73.51	0	0	0	0	0	-0.86	-1.165602985
4692	23/12/2020	4	4.3	4.3.1.4	2300048943	641	47	62.5	10	0.46	7.4	4.28	5	31.7	688.52	73.49	1	1	1	1	1	-615.03	-836.9121373
4693	23/12/2020	4	4.3	4.3.1.4	2300049554	638	10.1	25.4	32	0.66	0.84	1.5	21	1.3	5.97	73.47	1	1	1	1	1	67.50	91.8797141
4694	23/12/2020	4	4.3	4.3.1.4	2300048452	627	11	26.3	31	1.38	15.8	0.74	43	11.7	27.33	73.40	1	1	1	1	1	46.07	62.76433908
4695	23/12/2020	4	4.3	4.3.1.4	2300048497	622	38	60.3	10	4.24	7.1	3.87	42	27.5	64.80	73.37	1	1	0	0	0	8.56	11.67088481
4696	23/12/2020	4	4.3	4.3.1.3	2300053144	626	20	26.3	31	1.78	16.2	0.92	55	14.9	27.01	73.39	1	1	1	1	1	46.38	63.19811567
4697	23/12/2020	4	4.3	4.3.1.3	2300053256	624	27.5	34.9	31	4.21	12.9	3.66	131	47.2	36.18	73.38	1	1	1	1	1	37.20	50.69946116

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4698	23/12/2020	4	4.3	4.3.1.3	2300049732	606	27	31.1	10	4.15	15.7	2.65	42	41.6	100.25	73.26	1	1	1	1	1	-26.99	-36.83727984
4699	23/12/2020	4	4.3	4.3.1.3	2300049759	603	32	21.3	31	2.99	15.7	1.3	93	20.4	22.02	73.25	1	1	1	1	1	51.23	69.93709438
4700	23/12/2020	4	4.3	4.3.1.3	2300053045	606	19	19.8	31	2.55	9.9	1.63	79	16.1	20.41	73.26	1	1	1	1	1	52.85	72.13699663
4701	23/12/2020	4	4.3	4.3.1.3	2300049332	697	20	51.3	10	3.62	6	3.31	36	19.9	54.86	73.85	1	1	1	1	1	18.98	25.70852298
4702	23/12/2020	4	4.3	4.3.1.3	2300049862	591	59	40.2	10	4.04	17.6	2.98	40	52.4	129.82	73.17	1	1	1	1	1	-56.65	-77.42875637
4703	23/12/2020	4	4.3	4.3.1.3	2300049444	592	40	61.4	31	4.06	7.2	3.68	126	26.5	21.05	73.17	1	1	1	1	1	52.12	71.23058417
4704	23/12/2020	4	4.3	4.3.1.3	2300049775	586	16.3	36.1	10	0.35	9.9	0.43	4	4.3	121.63	73.14	1	1	1	1	1	-48.49	-66.303744
4705	23/12/2020	4	4.3	4.3.1.3	2300049103	581	41	39.8	10	4.06	19	3.43	41	65.2	160.52	73.10	1	1	1	1	1	-87.41	-119.5726131
4706	23/12/2020	4	4.3	4.3.1.3	2300048831	574	55	68.7	31	4.26	8.6	3.91	132	33.6	25.46	73.06	1	1	1	1	1	47.60	65.14808665
4707	23/12/2020	4	4.3	4.3.1.3	2300049634	572	52	68.2	10	4.2	7.9	3.8	42	30.0	71.48	73.05	0	0	0	0	0	1.57	2.150141449
4708	23/12/2020	4	4.3	4.3.1.3	2300049922	574	27	36.4	10	0.51	9.6	1.17	5	11.2	220.24	73.06	1	1	1	1	1	-147.18	-201.4460716
4709	23/12/2020	4	4.3	4.3.1.3	2300048383	580	55	68.3	10	4.3	8	3.93	43	31.4	73.12	73.10	0	0	0	0	0	-0.02	-0.025006252
4710	23/12/2020	4	4.3	4.3.1.3	2300048836	577	55	68.1	10	4.3	8	3.91	43	31.3	72.74	73.08	0	0	0	0	0	0.33	0.457881018
4711	23/12/2020	4	4.3	4.3.1.3	2300049888	569	22	52.9	10	3.58	6.3	3.23	36	20.3	56.84	73.03	1	1	1	1	0	16.19	22.1653428
4712	23/12/2020	4	4.3	4.3.1.3	2300048847	561	32	22.5	31	0.91	14.7	0.45	28	6.6	23.45	72.98	1	1	1	1	1	49.53	67.867514
4713	23/12/2020	4	4.3	4.3.1.3	2300049641	556	35	58.2	10	3.76	7	3.34	38	23.4	62.18	72.94	1	1	0	0	0	10.76	14.75582627
4714	23/12/2020	4	4.3	4.3.1.3	2300048882	603	13.2	24.9	30	1.57	15.8	0.8	47	12.6	26.84	73.25	1	1	1	1	1	46.41	63.36071436
4715	23/12/2020	4	4.3	4.3.1.3	2300048876	600	31	36.7	32	3.97	16.2	2.93	127	47.5	37.36	73.23	1	1	1	1	1	35.86	48.97572547
4716	23/12/2020	4	4.3	4.3.1.3	2300048829	595	12	39.6	32	4.08	14.7	3.51	131	51.6	39.52	73.19	1	1	1	1	1	33.67	46.00682975
4717	23/12/2020	4	4.3	4.3.1.3	2300048873	583	125	48.1	30	4.02	21.9	3.45	121	75.6	62.65	73.12	1	1	0	0	0	10.47	14.31666731
4718	23/12/2020	4	4.3	4.3.1.3	2300048874	572	108	56.2	31	3.94	21	3.4	122	71.4	58.46	73.05	1	1	1	0	0	14.59	19.97252751
4719	23/12/2020	4	4.3	4.3.1.3	2300049918	665	128	62.7	30	3.71	22.6	3.32	111	75.0	67.41	73.64	1	0	0	0	0	6.23	8.45686447
4720	23/12/2020	4	4.3	4.3.1.1	23000	528	135	64.7	30	3.46	23.1	3.29	104	76.0	73.22	72.77	0	0	0	0	0	-0.45	-0.620575503
4721	23/12/2020	4	4.3	4.3.1.1	2300053109	505	22	1.17	31	1.2	21	1.8	37	37.8	101.61	72.62	1	1	1	1	1	-28.99	-39.92798373
4722	23/12/2020	4	4.3	4.3.1.1	23000	545	111	60.2	32	3.65	21.7	3.28	117	71.2	60.94	72.87	1	1	1	0	0	11.94	16.37846672
4723	23/12/2020	4	4.3	4.3.1.1	23000	549	32	25.3	31	3.71	11	2.78	115	30.6	26.59	72.90	1	1	1	1	1	46.31	63.52655946
4724	23/12/2020	4	4.3	4.3.1.1	2300053219	552	80	50.8	32	3.77	19.5	3.2	121	62.4	51.72	72.92	1	1	1	1	1	21.19	29.06611473
4725	23/12/2020	4	4.3	4.3.1.1	23000	665	32	20.9	32	4.02	15.9	1.73	129	27.5	21.38	73.64	1	1	1	1	1	52.26	70.96367684
4726	23/12/2020	4	4.3	4.3.1.1	23000	652	126	58.8	32	4.24	21.6	3.98	136	86.0	63.36	73.56	1	1	0	0	0	10.20	13.86367225
4727	23/12/2020	4	4.3	4.3.1.1	2300052685	647	138	60.4	32	4.53	22.6	3.94	145	89.0	61.43	73.53	1	1	1	0	0	12.10	16.45685595

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4728	23/12/2020	4	4.3	4.3.1.1	23000	648	78	46.6	32	4.39	18.4	3.61	140	66.4	47.28	73.53	1	1	1	1	1	26.25	35.6976181
4729	23/12/2020	4	4.3	4.3.1.1	23000	645	43	33.8	32	4.19	16.4	2.78	134	45.6	34.00	73.51	1	1	1	1	1	39.51	53.74543631
4730	23/12/2020	4	4.3	4.3.1.1	23000	639	110	56.4	32	4.28	20.9	3.73	137	78.0	56.92	73.48	1	1	1	1	0	16.56	22.53273393
4731	23/12/2020	4	4.3	4.3.1.1	23000	623	130	60.9	32	4.3	20.3	3.81	138	77.3	56.21	73.37	1	1	1	1	0	17.16	23.39358842
4732	23/12/2020	4	4.3	4.3.1.1	23000	629	134	62.4	32	4.28	22.6	3.81	137	86.1	62.87	73.41	1	1	0	0	0	10.54	14.36033143
4733	23/12/2020	4	4.3	4.3.1.1	23000	630	84	69.5	32	4.27	19	3.61	137	68.6	50.20	73.42	1	1	1	1	1	23.22	31.62766688
4734	23/12/2020	4	4.3	4.3.1.1	23000	627	45	36.8	32	4.16	16.6	2.97	133	49.3	37.04	73.40	1	1	1	1	1	36.36	49.54174018
4735	23/12/2020	4	4.3	4.3.1.1	23000	632	17.6	24.7	32	3.13	15.2	1.63	100	24.8	24.74	73.43	1	1	1	1	1	48.69	66.31328853
4736	23/12/2020	4	4.3	4.3.1.1	23000	633	18.6	23.9	32	4.28	10.8	3.07	137	33.2	24.21	73.44	1	1	1	1	1	49.23	67.0350612
4737	23/12/2020	4	4.3	4.3.1.1	23000	633	86	46.8	32	4.48	18.8	3.59	143	67.5	47.08	73.44	1	1	1	1	1	26.36	35.89259526
4738	23/12/2020	4	4.3	4.3.1.1	23000	622	108	55.1	31	4.35	20.7	3.78	135	78.2	58.02	73.37	1	1	1	1	0	15.34	20.91181347
4739	23/12/2020	4	4.3	4.3.1.1	23000	995	57.7	57.7	33	7.08	2.31	5.88	234	13.6	5.81	75.75	1	1	1	1	1	69.94	92.32573947
4740	23/12/2020	4	4.3	4.3.1.1	23000	989	63.1	63.1	33	7.24	24.1	6.32	239	152.3	63.75	75.72	1	1	1	0	0	11.97	15.80307192
4741	23/12/2020	4	4.3	4.3.1.1	23000	975	63.6	63.6	32	7.11	24	6.23	228	149.5	65.72	75.63	1	1	0	0	0	9.91	13.10224053
4742	23/12/2020	4	4.3	4.3.1.1	23000	977	64.6	64.6	32	7.19	24.2	6.33	230	153.2	66.58	75.64	1	1	0	0	0	9.06	11.97711938
4743	23/12/2020	4	4.3	4.3.1.1	23000	986	55.2	55.2	32	7.04	21.9	5.18	225	113.4	50.36	75.70	1	1	1	1	1	25.34	33.47635895
4744	23/12/2020	4	4.2	4.2.5.2	2300052071	986	66	66	32	7.28	24.5	6.45	233	158.0	67.83	75.70	1	1	0	0	0	7.86	10.38737159
4745	23/12/2020	4	4.2	4.2.5.2	23000	993	29	29	32	4.37	16.6	2.45	140	40.7	29.08	75.74	1	1	1	1	1	46.66	61.60182571
4746	23/12/2020	4	4.2	4.2.5.2	23000	889	66.4	66.4	32	7.12	23.9	6.47	228	154.6	67.87	75.08	1	0	0	0	0	7.21	9.598966003
4747	23/12/2020	4	4.2	4.2.5.2	23000	991	33.6	33.6	33	6.8	17	4.37	224	74.3	33.11	75.73	1	1	1	1	1	42.62	56.28316377
4748	23/12/2020	4	4.2	4.2.5.2	2300053058	983	27.1	27.1	32	6.71	16.5	3.63	215	59.9	27.89	75.68	1	1	1	1	1	47.78	63.1401965
4749	23/12/2020	4	4.2	4.2.5.2	2300052344	973	65.3	65.3	30	6.62	23.5	5.97	199	140.3	70.64	75.61	1	0	0	0	0	4.97	6.574521436
4750	23/12/2020	4	4.2	4.2.5.2	2300052657	973	65	65	32	6.95	23.9	6.19	222	147.9	66.52	75.61	1	1	0	0	0	9.09	12.02563334
4751	23/12/2020	4	4.2	4.2.5.2	23000	977	21.3	21.3	32	1.45	16.8	0.59	46	9.9	21.36	75.64	1	1	1	1	1	54.28	71.7577897
4752	23/12/2020	4	4.2	4.2.5.2	2300055003	957	64.5	64.5	32	6.73	23.7	5.98	215	141.7	65.81	75.51	1	1	0	0	0	9.70	12.84838969
4753	23/12/2020	4	4.2	4.2.5.2	2300052665	961	30.1	30.1	32	6.31	16.4	4.4	202	72.2	35.74	75.54	1	1	1	1	1	39.80	52.6891333
4754	23/12/2020	4	4.2	4.2.5.2	2300052116	977	24.3	24.3	32	2.96	16	1.46	95	23.4	24.66	75.64	1	1	1	1	1	50.98	67.39482625
4755	23/12/2020	4	4.2	4.2.5.2	2300053261	983	62.8	62.8	32	7.08	23.1	6.16	227	142.3	62.81	75.68	1	1	1	0	0	12.87	17.00643868
4756	23/12/2020	4	4.2	4.2.5.2	2300053251	985	49.7	49.7	32	7	19.7	5.75	224	113.3	50.57	75.69	1	1	1	1	1	25.12	33.18906536
4757	23/12/2020	4	4.2	4.2.5.2	2300053335	987	51.1	51.1	32	7.03	19.7	5.92	225	116.6	51.84	75.70	1	1	1	1	1	23.86	31.51890648

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4758	23/12/2020	4	4.2	4.2.5.2	2300053250	982	62	62	32	7.02	21.4	6.16	225	131.8	58.68	75.67	1	1	1	1	0	16.99	22.45048793
4759	23/12/2020	4	4.2	4.2.5.2	2300052839	985	62.9	62.9	32	7.32	23.7	6.29	234	149.1	63.64	75.69	1	1	1	0	0	12.05	15.91869825
4760	23/12/2020	4	4.2	4.2.5.2	23000	986	60.4	60.4	32	7.32	23.4	6.14	234	143.7	61.34	75.70	1	1	1	0	0	14.36	18.96960732
4761	23/12/2020	4	4.2	4.2.5.2	2300053111	982	59.8	59.8	32	7.22	22.7	6.14	231	139.4	60.33	75.67	1	1	1	1	0	15.34	20.27790057
4762	23/12/2020	4	4.2	4.2.5.2	2300052742	980	60.7	60.7	32	7.2	23.2	6.13	230	142.2	61.73	75.66	1	1	1	0	0	13.93	18.41484781
4763	23/12/2020	4	4.2	4.2.5.2	2300053105	994	67	26.1	33	6.86	11.4	5.22	226	59.5	26.29	75.75	1	1	1	1	1	49.46	65.29688802
4764	23/12/2020	4	4.2	4.2.5.2	23000	991	127	56	32	6.52	22.6	5.35	209	120.9	57.95	75.73	1	1	1	1	0	17.78	23.47455459
4765	23/12/2020	4	4.2	4.2.5.2	23000	927	15	20	31	1.16	15.6	5.49	36	85.6	238.16	75.32	1	1	1	1	1	-162.85	-216.2087385
4766	23/12/2020	4	4.2	4.2.5.2	2300052747	984	59	27.9	33	6.13	16	6.42	202	102.7	50.78	75.68	1	1	1	1	1	24.91	32.90675232
4767	23/12/2020	4	4.2	4.2.5.3	2300052707	989	21	26	33	2.4	16.1	3.51	79	56.5	71.35	75.72	1	0	0	0	0	4.36	5.762785044
4768	23/12/2020	4	4.2	4.2.5.3	2300052657	989	107	64.3	32	7.15	23.7	1.6	229	37.9	16.57	75.72	1	1	1	1	1	59.14	78.11094864
4769	23/12/2020	4	4.2	4.2.5.3	2300052718	990	64	27.5	32	6.89	11.7	6.34	220	74.2	33.64	75.72	1	1	1	1	1	42.08	55.56922965
4770	23/12/2020	4	4.2	4.2.5.3	2300052737	986	24	26.8	32	2.97	15.8	6.12	95	96.7	101.74	75.70	1	1	1	1	1	-26.05	-34.40853758
4771	23/12/2020	4	4.2	4.2.5.3	2300052691	987	94	40	31	6.85	17.9	5.91	212	105.8	49.82	75.70	1	1	1	1	1	25.88	34.19236193
4772	23/12/2020	4	4.2	4.2.5.3	2300052266	968	92	30	32	7.1	4.36	6.07	227	26.5	11.65	75.58	1	1	1	1	1	63.93	84.58821044
4773	23/12/2020	4	4.2	4.2.5.3	2300052655	996	16	26.6	32	1.75	15.9	6.09	56	96.8	172.91	75.76	1	1	1	1	1	-97.15	-128.2359914
4774	23/12/2020	4	4.2	4.2.5.3	2300052658	997	7.5	25.8	32	0.86	15.2	0.94	28	14.3	51.92	75.77	1	1	1	1	1	23.85	31.47578537
4775	23/12/2020	4	4.2	4.2.5.3	2300052686	999	111	44.7	33	7.16	18.7	6.36	236	118.9	50.34	75.78	1	1	1	1	1	25.44	33.57685244
4776	23/12/2020	4	4.2	4.2.5.3	2300052748	980	68	27.8	34	7	12	5.43	238	65.2	27.38	75.66	1	1	1	1	1	48.28	63.81327651
4777	23/12/2020	4	4.2	4.2.5.3	2300051902	975	23	27	33	3.4	16.2	1.8	112	29.2	25.99	75.63	1	1	1	1	1	49.64	65.63443153
4778	23/12/2020	4	4.2	4.2.5.3	2300052346	966	51	29.5	33	4.95	16.2	2.58	163	41.8	25.59	75.57	1	1	1	1	1	49.98	66.14090432
4779	23/12/2020	4	4.2	4.2.5.3	2300052937	974	15	22.4	32	2.57	16.5	1.14	82	18.8	22.87	75.62	1	1	1	1	1	52.75	69.75376528
4780	23/12/2020	4	4.2	4.2.5.3	2300052744	965	20	21	33	4.83	23.5	1.43	159	33.6	21.08	75.56	1	1	1	1	1	54.48	72.09773978
4781	23/12/2020	4	4.2	4.2.5.3	2300052778	991	50	24.1	32	0.16	10.8	4.53	5	48.9	955.55	75.73	1	1	1	1	1	-879.82	-1161.807822
4782	23/12/2020	4	4.2	4.2.5.3	2300052654	991	31	27.5	33	3.23	16	1.83	107	29.3	27.47	75.73	1	1	1	1	1	48.26	63.72596823
4783	23/12/2020	4	4.2	4.2.5.3	2300055798	1001	40.9	28.1	32	4.15	16.1	2.93	133	47.2	35.52	75.79	1	1	1	1	1	40.27	53.13271865
4784	23/12/2020	4	4.2	4.2.5.3	2300053057	1007	102	38.4	33	7.43	14.8	6.44	245	95.3	38.87	75.83	1	1	1	1	1	36.96	48.73756975
4785	23/12/2020	4	4.2	4.2.5.3	2300052661	992	132	53.4	33	7.07	21.7	5.69	233	123.5	52.92	75.73	1	1	1	1	1	22.81	30.12156601
4786	23/12/2020	4	4.2	4.2.5.4	2300052660	992	17	22.9	32	3.18	16	1.51	102	24.2	23.74	75.73	1	1	1	1	1	51.99	68.65095258
4787	23/12/2020	4	4.2	4.2.5.4	23000	962	25	20.3	33	2.5	16.4	1	83	16.4	19.88	75.54	1	1	1	1	1	55.66	73.68539705

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4788	23/12/2020	4	4.2	4.2.5.4	2300053257	990	25	23.9	33	3	15.3	1.56	99	23.9	24.11	75.72	1	1	1	1	1	51.61	68.16104843
4789	23/12/2020	4	4.2	4.2.5.4	2300052622	975	67	27.6	32	7.03	21.1	5.23	225	110.4	49.05	75.63	1	1	1	1	1	26.57	35.13540505
4790	23/12/2020	4	4.2	4.2.5.4	23000	954	113	48.8	32	6.52	18.8	5.43	209	102.1	48.93	75.49	1	1	1	1	1	26.56	35.18709691
4791	23/12/2020	4	4.2	4.2.5.4	2300053327	960	88	39.4	32	6.57	16.7	4.92	210	82.2	39.08	75.53	1	1	1	1	1	36.45	48.25757947
4792	23/12/2020	4	4.2	4.2.5.4	2300053249	966	20.1	30.6	32	2.09	11.2	2.93	67	32.8	49.07	75.57	1	1	1	1	1	26.50	35.06943955
4793	23/12/2020	4	4.2	4.2.5.4	2300053124	996	50	25.1	32	5.95	14.9	3.56	190	53.0	27.86	75.76	1	1	1	1	1	47.90	63.22716921
4794	23/12/2020	4	4.2	4.2.5.4	2300052878	970	75	33.6	32	6.73	12.9	5.55	215	71.6	33.24	75.59	1	1	1	1	1	42.35	56.02252154
4795	23/12/2020	4	4.2	4.2.5.4	2300053333	797	62	64.2	30	4.32	23.8	5.34	130	127.1	98.06	74.49	1	1	1	1	1	-23.58	-31.65395052
4796	23/12/2020	4	4.2	4.2.5.4	2300053200	833	62	37.1	32	5.78	13.4	5.14	185	68.9	37.24	74.72	1	1	1	1	1	37.48	50.16097793
4797	23/12/2020	4	4.2	4.2.5.4	2300053332	837	133	56.2	32	6.03	21.1	5.23	193	110.4	57.19	74.74	1	1	1	1	0	17.55	23.48484005
4798	23/12/2020	4	4.2	4.2.5.4	2300053252	842	79	35.1	32	5.78	16.4	4.33	185	71.0	38.39	74.77	1	1	1	1	1	36.38	48.65493978
4799	23/12/2020	4	4.2	4.2.5.4	2300052879	848	110	48.7	32	6	19.1	4.93	192	94.2	49.04	74.81	1	1	1	1	1	25.77	34.445754
4800	23/12/2020	4	4.2	4.2.5.4	23000	853	112	48.3	32	6.09	23.8	4.86	195	115.7	59.35	74.85	1	1	1	1	0	15.49	20.69839044
4801	23/12/2020	4	4.2	4.2.5.4	2300053327	854	52	33.9	32	5.78	19.4	4.89	185	94.9	51.29	74.85	1	1	1	1	1	23.56	31.47773909
4802	23/12/2020	4	4.2	4.2.5.4	23000	817	86	41.4	32	5.96	12.8	4.4	191	56.3	29.53	74.61	1	1	1	1	1	45.08	60.42313141
4803	23/12/2020	4	4.2	4.2.5.4	23000	829	16	27.6	32	5.08	17.1	1.74	163	29.8	18.30	74.69	1	1	1	1	1	56.39	75.49470667
4804	23/12/2020	4	4.2	4.2.5.4	23000	843	34	28.4	32	3.8	25.6	2.27	122	58.1	47.79	74.78	1	1	1	1	1	26.99	36.09426743
4805	23/12/2020	4	4.2	4.2.5.4	230000	831	132	58.3	32	5.71	15.2	4.92	183	74.8	40.93	74.70	1	1	1	1	1	33.78	45.21313852
4806	23/12/2020	4	4.2	4.2.5.4	23000	829	114	50.4	32	5.93	10.5	4.92	190	51.7	27.22	74.69	1	1	1	1	1	47.47	63.55164206
4807	23/12/2020	4	4.2	4.2.5.4	23000	828	99	45.2	32	5.99	19.4	4.78	192	92.7	48.38	74.69	1	1	1	1	1	26.31	35.22338083
4808	23/12/2020	4	4.2	4.2.5.1	2300056025	841	68	31.9	32	5.83	18.1	3.55	187	64.3	34.44	74.77	1	1	1	1	1	40.33	53.93508143
4809	23/12/2020	4	4.2	4.2.5.1	2300055944	850	28	25.5	32	5.53	16.7	4.01	177	67.0	37.84	74.83	1	1	1	1	1	36.98	49.4253129
4810	23/12/2020	4	4.2	4.2.5.1	2300055945	864	17	52.7	32	6.25	11.3	4.25	200	48.0	24.01	74.92	1	1	1	1	1	50.90	67.94726332
4811	23/12/2020	4	4.2	4.2.5.1	-	881	97	57.8	31	6.16	23.3	5.76	191	134.2	70.28	75.02	1	0	0	0	0	4.74	63.22893545
4812	23/12/2020	4	4.2	4.2.5.1	2300055942	963	138	56.3	32	6.98	21.5	5.95	223	127.9	57.27	75.55	1	1	1	1	0	18.28	24.19110702
4813	23/12/2020	4	4.2	4.2.5.1	2300055608	1009	20	55.2	31	3.1	16.7	2.16	96	36.1	37.54	75.84	1	1	1	1	1	38.31	50.5088101
4814	23/12/2020	4	4.2	4.2.5.1	-	1015	99	41.6	31	7.03	17.3	5.38	218	93.1	42.71	75.88	1	1	1	1	1	33.17	43.71760225
4815	23/12/2020	4	4.2	4.2.5.1	-	1006	122	15	31	7.18	19.4	5.88	223	114.1	51.25	75.82	1	1	1	1	1	24.57	32.40976825
4816	23/12/2020	4	4.2	4.2.5.1	2300053235	1019	54	24.5	31	6.17	10.3	4.65	191	47.9	25.04	75.91	1	1	1	1	1	50.87	67.01184251
4817	23/12/2020	4	4.2	4.2.5.1	2300053229	1051	15	25	31	1.78	15	0.95	55	14.3	25.82	76.11	1	1	1	1	1	50.29	66.07047719

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4818	23/12/2020	4	4.2	4.2.5.1	2300053237	1026	134	56.9	24	6.95	21.2	3.93	167	83.3	49.95	75.95	1	1	1	1	1	26.00	34.23559981
4819	23/12/2020	4	4.2	4.2.5.1	2300053236	1040	20	20	30	1.42	15.7	0.57	43	8.9	21.01	76.04	1	1	1	1	1	55.03	72.3744217
4820	23/12/2020	4	4.2	4.2.5.1	23300053080	1034	8.6	26.7	30	0.94	15.3	0.52	28	8.0	28.21	76.00	1	1	1	1	1	47.79	62.87969786
4821	23/12/2020	4	4.2	4.2.5.1	2300053489	1030	125	53.8	30	7.02	20.4	5.78	211	117.9	55.99	75.98	1	1	1	1	1	19.99	26.30945275
4822	23/12/2020	4	4.2	4.2.5.1	2300053134	1024	137	55.9	30	7.26	23.3	6.26	218	145.9	66.97	75.94	1	1	0	0	0	8.97	11.81310055
4823	23/12/2020	4	4.2	4.2.5.1	2300053261	1021	20	24.4	30	0.73	20.4	0.34	22	6.9	31.67	75.92	1	1	1	1	1	44.25	58.28363276
4824	23/12/2020	4	4.2	4.2.5.1	2300053255	1031	127	55.1	30	7.05	21.7	5.03	212	109.2	51.61	75.98	1	1	1	1	1	24.38	32.08074575
4825	23/12/2020	4	4.2	4.2.5.1	2300053082	1032	50	0	30				0	0.0	#DIV/0!	75.99	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4826	23/12/2020	4	4.2	4.2.5.1	2300053210	832	78	35.7	32	5.74	16.3	4.03	184	65.7	35.76	74.71	1	1	1	1	1	38.95	52.13176737
4827	23/12/2020	4	4.2	4.2.5.1	2300053090	884	51	30.5	31	6.04	11.8	4.98	187	58.8	31.38	75.04	1	1	1	1	1	43.66	58.17855275
4828	23/12/2020	4	4.2	4.2.5.1	2300053086	854	126	52.6	31	6.16	20.4	5.17	191	105.5	55.23	74.85	1	1	1	1	1	19.62	26.21344801
4829	23/12/2020	4	4.2	4.2.5.1	2300053091	872	103	43.7	31	6.41	18.4	4.88	199	89.8	45.19	74.97	1	1	1	1	1	29.78	39.72337206
4830	23/12/2020	4	4.2	4.2.5.1	2300053088	887	61	30.3	31	5.57	16.7	3.19	173	53.3	30.85	75.06	1	1	1	1	1	44.21	58.89775868
4831	23/12/2020	4	4.2	4.2.5.1	-	882	41	27.6	31	6.02	11.7	4.53	187	53.0	28.40	75.03	1	1	1	1	1	46.63	62.14822049
4832	23/12/2020	4	4.2	4.2.2.3	2300052145	902	109	48	31	6.39	18.1	5.4	198	97.7	49.34	75.16	1	1	1	1	1	25.82	34.35072335
4833	23/12/2020	4	4.2	4.2.2.3	2300052548	888	101	66.5	32	6.31	18.2	4.86	202	88.5	43.81	75.07	1	1	1	1	1	31.26	41.64655077
4834	23/12/2020	4	4.2	4.2.2.3	2300052234	873	106	47.4	32	6.05	18.7	4.87	194	91.1	47.04	74.97	1	1	1	1	1	27.93	37.25788318
4835	23/12/2020	4	4.2	4.2.2.3	2300052078	889	52	29.4	32	6.35	11.1	4.96	203	55.1	27.09	75.08	1	1	1	1	1	47.98	63.91039407
4836	23/12/2020	4	4.2	4.2.2.3	23000	884	124	52.5	31	6.41	19.7	5.46	199	107.6	54.13	75.04	1	1	1	1	1	20.91	27.8684133
4837	23/12/2020	4	4.2	4.2.2.3	2300052113	879	120	50.6	32	6.37	19.6	5.29	204	103.7	50.87	75.01	1	1	1	1	1	24.15	32.18997513
4838	23/12/2020	4	4.2	4.2.2.3	2300052978	872	127	52.8	31	6.42	20.5	5.26	199	107.8	54.18	74.97	1	1	1	1	1	20.79	27.72736148
4839	24/12/2020	4	4.2	4.2.2.3	23000	902	78	37.7	30	6.46	13.7	5.71	194	78.2	40.36	75.16	1	1	1	1	1	34.79	46.29396813
4840	24/12/2020	4	4.2	4.2.2.3	2300055879	897	73	34.1	30	6.12	16.4	4.06	184	66.6	36.27	75.13	1	1	1	1	1	38.86	51.72721957
4841	24/12/2020	4	4.2	4.2.2.3	2300055858	899	110	40.8	31	6.14	22.4	3.59	190	80.4	42.25	75.14	1	1	1	1	1	32.89	43.77317985
4842	24/12/2020	4	4.2	4.2.2.3	2300052107	882	48	52.6	12	6.4	7.4	6.03	77	44.6	58.10	75.03	1	1	1	1	0	16.93	22.56305077
4843	24/12/2020	4	4.2	4.2.2.3	23000	1021	20	25.2	31	0.72	16.3	0.36	22	5.9	26.29	75.92	1	1	1	1	1	49.63	65.37120118
4844	24/12/2020	4	4.2	4.2.2.3	2300052479	1022	135	57.8	31	6.8	21.6	5.83	211	125.9	59.74	75.93	1	1	1	1	0	16.19	21.32140375
4845	24/12/2020	4	4.2	4.2.2.3	2300055878	1034	10	25.1	31	1.19	16.2	0.58	37	9.4	25.47	76.00	1	1	1	1	1	50.53	66.4880122
4846	24/12/2020	4	4.2	4.2.2.3	2300050799	1019	136	57.1	30	7	21.4	5.94	210	127.1	60.53	75.91	1	1	1	1	0	15.38	20.25643207
4847	24/12/2020	4	4.2	4.2.2.3	23000	1017	138	58.4	31	6.95	21.6	5.94	215	128.3	59.55	75.89	1	1	1	1	0	16.34	21.53397056

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4848	24/12/2020	4	4.2	4.2.2.3	23000	1018	20	19.1	30	1.59	15.3	0.62	48	9.5	19.89	75.90	1	1	1	1	1	56.01	73.79910666
4849	24/12/2020	4	4.2	4.2.2.3	23000	1030	133	57.3	30	6.96	21.1	5.89	209	124.3	59.52	75.98	1	1	1	1	0	16.46	21.66075197
4850	24/12/2020	4	4.2	4.2.2.3	23000	1070	134	56.3	31	7.09	20.8	6.04	220	125.6	57.16	76.23	1	1	1	1	1	19.07	25.02031065
4851	24/12/2020	4	4.2	4.2.2.3	2300052006	1009	10	18.2	31	1.65	15.7	0.6	51	9.4	18.42	75.84	1	1	1	1	1	57.43	75.7178954
4852	24/12/2020	4	4.2	4.2.2.3	2300051041	990	15	21.6	31	1.87	14	0.81	58	11.3	19.56	75.72	1	1	1	1	1	56.16	74.16623659
4853	24/12/2020	4	4.2	4.2.2.3	2300052009	999	20	25	31	1.53	16.3	0.73	47	11.9	25.09	75.78	1	1	1	1	1	50.69	66.89412802
4854	24/12/2020	4	4.2	4.2.2.1	23000	1010	20	23.3	31	1.41	16	0.64	44	10.2	23.43	75.85	1	1	1	1	1	52.42	69.11386502
4855	24/12/2020	4	4.2	4.2.2.1	23000	1010	124	51.1	31	7.2	22	5.75	223	126.5	56.68	75.85	1	1	1	1	1	19.17	25.27933126
4856	24/12/2020	4	4.2	4.2.2.1	2300052084	1000	100	58.2	31	7.28	20.1	5.24	226	105.3	46.67	75.79	1	1	1	1	1	29.12	38.41920579
4857	24/12/2020	4	4.2	4.2.2.1	23000	1000	20	20.5	30	1.45	14.5	0.6	44	8.7	20.00	75.79	1	1	1	1	1	55.79	73.60990156
4858	24/12/2020	4	4.2	4.2.2.1	23000	1008	137	54.7	31	7.17	21.2	5.88	222	124.7	56.08	75.84	1	1	1	1	1	19.75	26.04797893
4859	24/12/2020	4	4.2	4.2.2.1	23000	1000	20	24.5	30	5.21	16.1	1.61	156	25.9	16.58	75.79	1	1	1	1	1	59.20	78.11715478
4860	24/12/2020	4	4.2	4.2.2.1	2300052120	1006	10	24	30	1.81	22.4	0.54	54	12.1	22.28	75.82	1	1	1	1	1	53.55	70.6212735
4861	24/12/2020	4	4.2	4.2.2.1	23000	685	120	51.4	31	4.72	20.4	3.71	146	75.7	51.72	73.77	1	1	1	1	1	22.05	29.88343997
4862	24/12/2020	4	4.2	4.2.2.1	2300052075	670	37	29.1	31	3.41	16.2	1.95	106	31.6	29.88	73.67	1	1	1	1	1	43.79	59.43800536
4863	24/12/2020	4	4.2	4.2.2.1	2300052013	660	93	59.7	20	4.48	14.8	3.77	90	55.8	62.27	73.61	1	1	1	0	0	11.34	15.40236187
4864	24/12/2020	4	4.2	4.2.2.1	2300051196	644	135	66.1	31	4.4	21.6	3.6	136	77.8	57.01	73.51	1	1	1	1	0	16.50	22.44502928
4865	24/12/2020	4	4.2	4.2.2.1	2300052088	635	34	27.2	31	3.35	15.1	1.81	104	27.3	26.32	73.45	1	1	1	1	1	47.13	64.1691409
4866	24/12/2020	4	4.2	4.2.2.1	23000	627	103	50.7	31	4.3	19.7	3.5	133	69.0	51.73	73.40	1	1	1	1	1	21.67	29.52823294
4867	24/12/2020	4	4.2	4.2.2.1	2300053651	595	27	27	31	3.4	17.7	1.87	105	33.1	31.40	73.19	1	1	1	1	1	41.79	57.09590157
4868	24/12/2020	4	4.2	4.2.2.1	23000	554	10	24	31	0.71	15.4	0.39	22	6.0	27.29	72.93	1	1	1	1	1	45.64	62.58467311
4869	24/12/2020	4	4.2	4.2.2.1	23000	551	15	21.2	31	1.85	14.8	0.84	57	12.4	21.68	72.91	1	1	1	1	1	51.23	70.26922807
4870	24/12/2020	4	4.2	4.2.2.1	2300053660	546	12	23.6	30	1.72	15.7	0.82	52	12.9	24.95	72.88	1	1	1	1	1	47.93	65.76636187
4871	24/12/2020	4	4.2	4.2.2.1	2300051043	526	132	58.4	31	3.48	22	2.91	108	64.0	59.34	72.75	1	1	1	0	0	13.41	18.43057378
4872	24/12/2020	4	4.2	4.2.2.1	23000	511	135	60.7	30	3.3	22.4	2.81	99	62.9	63.58	72.66	1	1	0	0	0	9.08	12.49250172
4873	24/12/2020	4	4.2	4.2.2.1	2300051038	501	10	24.4	31	0.98	15.8	0.48	30	7.6	24.96	72.59	1	1	1	1	1	47.63	65.61101166
4874	24/12/2020	4	4.2	4.2.2.1	2300051035	959	17	21.6	30	1.63	14.9	0.73	49	10.9	22.24	75.52	1	1	1	1	1	53.28	70.54781051
4875	24/12/2020	4	4.2	4.2.2.1	2300053646	864	15	27.2	30	1.65	15.2	0.92	50	14.0	28.25	74.92	1	1	1	1	1	46.67	62.29022386
4876	24/12/2020	4	4.2	4.2.2.1	23000	861	115	51.4	30	5.94	18.9	4.96	178	93.7	52.61	74.90	1	1	1	1	1	22.29	29.76156316
4877	24/12/2020	4	4.2	4.2.2.4	2300051003	826	137	58.8	30	5.7	21	4.54	171	95.3	55.75	74.67	1	1	1	1	1	18.92	25.3346806

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4878	24/12/2020	4	4.2	4.2.2.4	2300051039	911	125	52.9	30	6.31	21.2	4.92	189	104.3	55.10	75.22	1	1	1	1	1	20.12	26.74490999
4879	24/12/2020	4	4.2	4.2.2.4	2300051170	942	88	39.8	30	6.32	16.6	4.71	190	78.2	41.24	75.41	1	1	1	1	1	34.18	45.31929837
4880	24/12/2020	4	4.2	4.2.2.4	2300051142	1010	68	28.6	30	6.91	11.6	5.28	207	61.2	29.55	75.85	1	1	1	1	1	46.30	61.04734857
4881	24/12/2020	4	4.2	4.2.2.4	2300050210	980	49	24.6	30	6.31	10.2	4.7	189	47.9	25.32	75.66	1	1	1	1	1	50.33	66.52716019
4882	24/12/2020	4	4.2	4.2.2.4	2300051008	978	137	55.9	30	7.14	21.7	5.59	214	121.3	56.63	75.65	1	1	1	1	1	19.01	25.13640131
4883	24/12/2020	4	4.2	4.2.2.4	2300053645	981	74	32.9	30	6.59	15.7	4.22	198	66.3	33.51	75.66	1	1	1	1	1	42.15	55.7091677
4884	24/12/2020	4	4.2	4.2.2.4	2300051199	906	134	53.2	30	6.38	21.9	4.76	191	104.2	54.46	75.18	1	1	1	1	1	20.72	27.55950723
4885	24/12/2020	4	4.2	4.2.2.4	2300053576	1006	129	54.4	30	7.19	20.2	5.99	216	121.0	56.10	75.82	1	1	1	1	1	19.73	26.01919301
4886	24/12/2020	4	4.2	4.2.2.4	2300051192	886	123	55.7	31	5.76	20.5	4.92	179	100.9	56.49	75.06	1	1	1	1	0	18.57	24.74297321
4887	24/12/2020	4	4.2	4.2.2.4	2300050816	756	14	25.6	30	1.47	24.2	0.75	44	18.2	41.16	74.22	1	1	1	1	1	33.07	44.5513031
4888	24/12/2020	4	4.2	4.2.2.4	2300050798	882	12	26.8	30	4.54	14.8	0.76	136	11.2	8.26	75.03	1	1	1	1	1	66.77	88.99326215
4889	24/12/2020	4	4.2	4.2.2.4	2300050791	908	7.8	40	30	1.36	15	0.47	41	7.1	17.28	75.20	1	1	1	1	1	57.92	77.02120323
4890	24/12/2020	4	4.2	4.2.2.4	2300050803	876	19.4	26.6	30	0.45	15.1	1.13	14	17.1	126.39	74.99	1	1	1	1	1	-51.40	-68.54053556
4891	24/12/2020	4	4.2	4.2.2.4	2300048986	809	40	27.5	30	2.07	15.5	2.16	62	33.5	53.91	74.56	1	1	1	1	1	20.65	27.69522464
4892	24/12/2020	4	4.2	4.2.2.4	2300048985	753	136	64.9	30	3.96	22.3	4.26	119	95.0	79.96	74.21	1	0	0	0	0	-5.76	-7.761513296
4893	24/12/2020	4	4.2	4.2.2.4	2300052679	745	35	27.8	30	4.73	15.5	1.77	142	27.4	19.33	74.15	1	1	1	1	1	54.82	73.9271812
4894	24/12/2020	4	4.2	4.2.2.4	2300052921	742	28	24.3	30	3.23	15.1	1.88	97	28.4	29.30	74.13	1	1	1	1	1	44.84	60.4825512
4895	24/12/2020	4	4.2	4.2.2.4	2300052711	834	133	58.9	30	5.08	20.7	4.46	152	92.3	60.58	74.72	1	1	1	0	0	14.14	18.92957492
4896	24/12/2020	4	4.2	4.2.2.4	2300052722	624	102	51.6	30	4.32	19.2	3.6	130	69.1	53.33	73.38	1	1	1	1	1	20.05	27.31858264
4897	24/12/2020	4	4.2	4.2.2.4	2300052699	574	15.3	62.2	30	4.08	23.4	3.28	122	76.8	62.71	73.06	1	1	0	0	0	10.35	14.17160462
4898	24/12/2020	4	4.2	4.2.2.4	2300052683	602	116	58.4	30	4.71	21.1	4.13	141	87.1	61.67	73.24	1	1	1	0	0	11.57	15.79281968
4899	24/12/2020	4	4.2	4.2.2.4	2300050684	600	40	22	31	0.76	15.8	0.33	24	5.2	22.13	73.23	1	1	1	1	1	51.10	69.77749699
4900	24/12/2020	4	4.2	4.2.2.2	2300051033	582	18	24.3	30	2.92	15.6	1.7	88	26.5	30.27	73.11	1	1	1	1	1	42.84	58.59165458
4901	24/12/2020	4	4.2	4.2.2.2	2300053565	714	23	27	30	2.03	16.2	1.06	61	17.2	28.20	73.96	1	1	1	1	1	45.76	61.87300984
4902	24/12/2020	4	4.2	4.2.2.2	2300053570	732	123	66.2	30	3.89	23.2	3.48	117	80.7	69.18	74.07	1	0	0	0	0	4.89	6.599470668
4903	24/12/2020	4	4.2	4.2.2.2	2300053556	653	133	17.1	30	3.17	24.2	2.86	95	69.2	72.78	73.57	0	0	0	0	0	0.79	1.069896791
4904	24/12/2020	4	4.2	4.2.2.2	2300056213	783	72	41.8	32	5.53	15.6	4.72	177	73.6	41.61	74.40	1	1	1	1	1	32.79	44.07127788
4905	24/12/2020	4	4.2	4.2.2.2	2300050578	789	9.6	26.1	32	1.07	14.6	0.57	34	8.3	24.30	74.44	1	1	1	1	1	50.13	67.34773879
4906	24/12/2020	4	4.2	4.2.2.2	2300053420	819	17.4	26	32	1.75	16.1	0.9	56	14.5	25.88	74.63	1	1	1	1	1	48.75	65.32784117
4907	24/12/2020	4	4.2	4.2.2.2	2300053493	782	134	59.8	32	5.26	22.2	4.47	168	99.2	58.96	74.39	1	1	1	1	0	15.44	20.74885492

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4908	24/12/2020	4	4.2	4.2.2.2	2300051194	808	132	59.7	32	5.51	23.1	4.77	176	110.2	62.49	74.56	1	1	1	0	0	12.06	16.18163364
4909	24/12/2020	4	4.2	4.2.2.2	2300051200	854	127	52.3	32	5.67	22.3	4.73	181	105.5	58.13	74.85	1	1	1	1	0	16.72	22.33383189
4910	24/12/2020	4	4.2	4.2.2.2	2300053421	837	136	60.8	31	5.59	23	4.84	173	111.3	64.24	74.74	1	1	0	0	0	10.50	14.05307708
4911	24/12/2020	4	4.2	4.2.2.2	2300050818	867	125	53.1	32	6.06	16.9	4.93	194	83.3	42.96	74.93	1	1	1	1	1	31.97	42.66398978
4912	24/12/2020	4	4.2	4.2.2.2	2300050782	856	15	22.8	32	1.56	22.2	0.67	50	14.9	29.80	74.86	1	1	1	1	1	45.07	60.20047836
4913	24/12/2020	4	4.2	4.2.2.2	2300051881	733	35	28.9	31	3.99	15.4	2.38	124	36.7	29.63	74.08	1	1	1	1	1	44.45	59.99829249
4914	24/12/2020	4	4.2	4.2.2.2	2300055950	738	26	41.8	31	4.81	24.6	2.57	149	63.2	42.40	74.11	1	1	1	1	1	31.71	42.78770951
4915	24/12/2020	4	4.2	4.2.2.2	2300052719	768	17	21.4	30	4.06	15.2	1.82	122	27.7	22.71	74.30	1	1	1	1	1	51.59	69.43165968
4916	24/12/2020	4	4.2	4.2.2.2	2300052674	822	120	51.3	30	6.02	19.8	4.94	181	97.8	54.16	74.65	1	1	1	1	1	20.49	27.445693
4917	24/12/2020	4	4.2	4.2.2.2	2300055099	857	120	51.1	30	6.2	19.8	5.02	186	99.4	53.44	74.87	1	1	1	1	1	21.43	28.62543251
4918	24/12/2020	4	4.2	4.2.2.2	2300055044	864	130	53.1	31	6.27	21	5	194	105.0	54.02	74.92	1	1	1	1	1	20.89	27.89127738
4919	24/12/2020	4	4.2	4.2.2.2	2300055801	881	36	29.9	31	4.27	13	3.11	132	40.4	30.54	75.02	1	1	1	1	1	44.48	59.28901206
4920	24/12/2020	4	4.2	4.2.2.2	2300055810	938	32	24	31	1.29	16.2	0.61	40	9.9	24.71	75.39	1	1	1	1	1	50.68	67.22185964
4921	24/12/2020	4	4.2	4.2.2.2	23000	977	7	67.8	30	6.87	13.9	5.83	206	81.0	39.32	75.64	1	1	1	1	1	36.32	48.0170726
4922	24/12/2020	4	4.2	4.2.2.2	2300055943	987	137	56.9	31	7.2	21.3	5.95	223	126.7	56.78	75.70	1	1	1	1	0	18.92	24.99496191
4923	24/12/2020	4	4.2	4.2.2.2	2300055805	989	91	39.9	30	6.75	16.4	5.11	203	83.8	41.38	75.72	1	1	1	1	1	34.33	45.34192246
4924	24/12/2020	4	4.2	4.2.1.2	-	624	79	42.4	30	6.3	21.2	4.9	189	103.9	54.96	73.38	1	1	1	1	1	18.42	25.09776155
4925	24/12/2020	4	4.2	4.2.1.2	2300052552	642	28	22.4	19	5.7	12.6	5.1	108	64.3	59.34	73.49	1	1	1	0	0	14.16	19.26615209
4926	24/12/2020	4	4.2	4.2.1.2	2300052227	633	76	56.4	33	4	4.5	2.3	132	10.4	7.84	73.44	1	1	1	1	1	65.60	89.32297379
4927	24/12/2020	4	4.2	4.2.1.2	2300052252	678	91	57.7	30	2.9	22	1.9	87	41.8	48.05	73.73	1	1	1	1	1	25.68	34.83099807
4928	24/12/2020	4	4.2	4.2.1.2	2300055861	682	23	24.6	21	3.1	14.2	2.6	65	36.9	56.71	73.75	1	1	1	1	0	17.04	23.1021906
4929	24/12/2020	4	4.2	4.2.1.2	-	691	24	29	20	3.6	15.1	2.4	72	36.2	50.33	73.81	1	1	1	1	1	23.48	31.8054133
4930	24/12/2020	4	4.2	4.2.1.2	-	693	32	19.6	16	2.4	9.6	1.4	38	13.4	35.00	73.82	1	1	1	1	1	38.82	52.58814541
4931	24/12/2020	4	4.2	4.2.1.2	2300051037	705	124	56.9	32	5.7	23.1	4.7	182	108.6	59.52	73.90	1	1	1	0	0	14.37	19.45245295
4932	24/12/2020	4	4.2	4.2.1.2	2300055832	716	83	46.3	33	4.6	23.5	3.9	152	91.7	60.38	73.97	1	1	1	0	0	13.59	18.37663912
4933	24/12/2020	4	4.2	4.2.1.2	2300055874	850	21	23.1	30	1.78	18.7	0.72	53	13.5	25.21	74.83	1	1	1	1	1	49.61	66.3038474
4934	24/12/2020	4	4.2	4.2.1.2	2300051031	1129	121	41.5	32	8.9	15.1	7.32	285	110.5	38.81	76.61	1	1	1	1	1	37.80	49.34136181
4935	24/12/2020	4	4.2	4.2.1.2	2300050820	1140	30	22.9	30	1.7	15.7	0.79	51	12.4	24.32	76.68	1	1	1	1	1	52.36	68.28511536
4936	24/12/2020	4	4.2	4.2.1.2	2300050720	1104	22	21.5	30	1.74	14.3	0.77	52	11.0	21.09	76.45	1	1	1	1	1	55.36	72.40885772
4937	24/12/2020	4	4.2	4.2.1.2	2300052624	1034	15	20.6	30	1.21	15.7	0.5	36	7.9	21.63	76.00	1	1	1	1	1	54.38	71.54694731

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4938	24/12/2020	4	4.2	4.2.1.2	2300051004	967	114	45.8	31	6.96	18.3	5.45	216	99.7	46.22	75.57	1	1	1	1	1	29.35	38.83546871
4939	24/12/2020	4	4.2	4.2.1.2	2300051193	936	29	28.4	30	2.93	16	1.62	88	25.9	29.49	75.38	1	1	1	1	1	45.89	60.87892947
4940	24/12/2020	4	4.2	4.2.1.2	2300055594	921	13	23	31	1.93	15.8	0.88	60	13.9	23.24	75.28	1	1	1	1	1	52.04	69.129843
4941	24/12/2020	4	4.2	4.2.1.2	2300050772	748	20	23.3	30	3.13	15	1.52	94	22.8	24.28	74.17	1	1	1	1	1	49.89	67.26425426
4942	24/12/2020	4	4.2	4.2.1.2	2300050801	739	63	42.4	30	5.2	14.7	4.66	156	68.5	43.91	74.12	1	1	1	1	1	30.20	40.75263715
4943	24/12/2020	4	4.2	4.2.1.2	2300051214	510	6	27.3	30	1.95	14.9	1.1	59	16.4	28.02	72.65	1	1	1	1	1	44.63	61.43552097
4944	24/12/2020	4	4.2	4.2.1.2	2300050757	559	12	39	30	4.11	24.3	2.09	123	50.8	41.19	72.96	1	1	1	1	1	31.77	43.54749351
4945	24/12/2020	4	4.2	4.2.1.2	2300050817	569	91	48.4	31	4.34	18.8	3.54	135	66.6	49.47	73.03	1	1	1	1	1	23.56	32.26351446
4946	24/12/2020	4	4.2	4.2.1.2	2300050276	791	135	49.4	31	5.9	22.1	4.74	183	104.8	57.27	74.45	1	1	1	1	0	17.17	23.06897103
4947	24/12/2020	4	4.2	4.2.1.2	2300050130	977	114	45.4	30	6.97	19.1	5.32	209	101.6	48.59	75.64	1	1	1	1	1	27.04	35.75396403
4948	24/12/2020	4	4.2	4.2.1.4	2300052039	856	134	53.1	32	6.39	21.2	5.31	204	112.6	55.05	74.86	1	1	1	1	1	19.81	26.46328976
4949	24/12/2020	4	4.2	4.2.1.4	2300053569	884	103	60.3	31	6.08	15	5.54	188	83.1	44.09	75.04	1	1	1	1	1	30.95	41.24807635
4950	24/12/2020	4	4.2	4.2.1.4	2300052059	995	17	15	30	1.04	15.2	0.33	31	5.0	16.08	75.75	1	1	1	1	1	59.68	78.77745983
4951	24/12/2020	4	4.2	4.2.1.4	2300049422	885	48	25.9	30	6.69	7	6.22	201	43.5	21.69	75.05	1	1	1	1	1	53.36	71.0938431
4952	24/12/2020	4	4.2	4.2.1.4	2300052238	989	11.9	25.3	30	1.33	15.5	0.63	40	9.8	24.47	75.72	1	1	1	1	1	51.24	67.67682722
4953	24/12/2020	4	4.2	4.2.1.4	2300052526	931	131	52.4	30	6.69	19.9	5.63	201	112.0	55.82	75.34	1	1	1	1	1	19.52	25.9093986
4954	24/12/2020	4	4.2	4.2.1.4	2300051034	863	133	54.4	30	6.4	24.8	4.96	192	123.0	64.07	74.91	1	1	0	0	0	10.84	14.47423458
4955	24/12/2020	4	4.2	4.2.1.4	2300051036	1060	134	51.9	31	7.78	20	6.35	241	127.0	52.66	76.17	1	1	1	1	1	23.51	30.86810295
4956	24/12/2020	4	4.2	4.2.1.4	2300049428	1070	122	46.4	30	7.8	18.8	6.14	234	115.4	49.33	76.23	1	1	1	1	1	26.90	35.29145194
4957	24/12/2020	4	4.2	4.2.1.4	2300049430	1013	132	51.3	30	7.49	20	6	225	120.0	53.40	75.87	1	1	1	1	1	22.46	29.60972386
4958	24/12/2020	4	4.2	4.2.1.4	2300055953	961	17	22.2	30	1.5	15.5	0.59	45	9.1	20.32	75.54	1	1	1	1	1	55.21	73.09612025
4959	24/12/2020	4	4.2	4.2.1.4	2300050784	799	22	21.7	30	1.95	15.5	0.85	59	13.2	22.52	74.50	1	1	1	1	1	51.98	69.76981417
4960	24/12/2020	4	4.2	4.2.1.4	2300050729	991	49	25.5	30	5.95	15.7	2.82	179	44.3	24.80	75.73	1	1	1	1	1	50.93	67.24694917
4961	24/12/2020	4	4.2	4.2.1.4	2300050786	981	15	24.8	30	1.82	15	0.94	55	14.1	25.82	75.66	1	1	1	1	1	49.84	65.87011088
4962	24/12/2020	4	4.2	4.2.1.4	2300051213	966	34	24.6	30	3.44	15.8	1.19	103	18.8	18.22	75.57	1	1	1	1	1	57.35	75.89072648
4963	24/12/2020	4	4.2	4.2.1.4	2300050794	985	14	24.8	30	1.68	15.1	0.87	50	13.1	26.07	75.69	1	1	1	1	1	49.62	65.56285349
4964	24/12/2020	4	4.2	4.2.1.4	2300050814	984	90	36.7	32	6.81	17.4	4.64	218	80.7	37.05	75.68	1	1	1	1	1	38.64	51.04823482
4965	24/12/2020	4	4.2	4.2.1.4	2300050788	589	135	56.7	31	4.24	21.8	3.53	131	77.0	58.55	73.16	1	1	1	0	0	14.61	19.96940017
4966	24/12/2020	4	4.2	4.2.1.4	2300053559	691	112	69.1	31	4.45	16.6	3.98	138	66.1	47.89	73.81	1	1	1	1	1	25.92	35.11210817
4967	24/12/2020	4	4.2	4.2.1.4	2300050787	712	135	60.8	31	4.78	21.8	4.23	148	92.2	62.23	73.94	1	1	1	0	0	11.71	15.83890478

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4968	24/12/2020	4	4.2	4.2.1.4	2300050813	502	8.6	33.3	20	3.9	7.6	3.63	78	27.6	35.37	72.60	1	1	1	1	1	37.23	51.28124601
4969	24/12/2020	4	4.2	4.2.1.4	2300051187	506	117	65.8	30	3.35	22.8	3.05	101	69.5	69.19	72.62	0	0	0	0	0	3.43	4.723440261
4970	24/12/2020	4	4.2	4.2.1.4	2300050785	570	136	63.3	30	3.23	24.3	3.03	97	73.6	75.98	73.03	0	0	0	0	0	-2.95	-4.039926779
4971	24/12/2020	4	4.1	4.1.4.4	2300049736	565	26	70.2	30	3.24	26.1	2.74	97	71.5	73.57	73.00	0	0	0	0	0	-0.57	-0.783641646
4972	24/12/2020	4	4.1	4.1.4.4	2300054288	560	134	66.4	30	2.95	23.4	2.61	89	61.1	69.01	72.97	1	0	0	0	0	3.96	5.426655486
4973	24/12/2020	4	4.1	4.1.4.4	2300049735	885	138	72.3	30	2.78	25	2.54	83	63.5	76.14	75.05	0	0	0	0	0	-1.09	-1.451150871
4974	24/12/2020	4	4.1	4.1.4.4	2300053439	528	20	74	30	1.68	24	1.2	50	28.8	57.14	72.77	1	1	1	1	0	15.62	21.46952507
4975	24/12/2020	4	4.1	4.1.4.4	2300054299	1013	115	53.6	31	6.56	24	4.65	203	111.6	54.88	75.87	1	1	1	1	1	20.99	27.66755313
4976	24/12/2020	4	4.1	4.1.4.4	2300049504	999	20	52.2	30	6.1	20.2	5.02	183	101.4	55.41	75.78	1	1	1	1	1	20.37	26.87738935
4977	24/12/2020	4	4.1	4.1.4.4	2300050462	989	107	66.8	20	7.18	15.1	6.61	144	99.8	69.51	75.72	1	0	0	0	0	6.21	8.200862954
4978	24/12/2020	4	4.1	4.1.4.4	2300050479	989	134	65.5	30	7.3	20.1	6.35	219	127.6	58.28	75.72	1	1	1	1	0	17.43	23.02666568
4979	24/12/2020	4	4.1	4.1.4.4	2300049436	1002	135	63.5	30	7.22	22.5	6.61	217	148.7	68.66	75.80	1	0	0	0	0	7.14	9.413559445
4980	24/12/2020	4	4.1	4.1.4.4	2300052754	1002	108	62.9	20	7.68	14.8	6.92	154	102.4	66.68	75.80	1	1	0	0	0	9.12	12.03411751
4981	24/12/2020	4	4.1	4.1.4.4	2300053882	1002	130	54.2	30	7.16	20.1	6.1	215	122.6	57.08	75.80	1	1	1	1	0	18.72	24.69405111
4982	24/12/2020	4	4.1	4.1.4.4	2300052767	1004	136	53.4	31	7.59	19.9	6.49	235	129.2	54.89	75.81	1	1	1	1	1	20.92	27.59665331
4983	24/12/2020	4	4.1	4.1.4.4	2300054224	1002	111	61	21	7.64	15.3	6.85	160	104.8	65.32	75.80	1	1	0	0	0	10.48	13.81989502
4984	24/12/2020	4	4.1	4.1.4.4	2300052034	1001	84	30.1	20	2.59	18.2	4.2	52	76.4	147.57	75.79	1	1	1	1	1	-71.78	-94.69968964
4985	24/12/2020	4	4.1	4.1.4.4	2300049639	1000	128	53.8	30	7.28	19.7	6.15	218	121.2	55.47	75.79	1	1	1	1	1	20.31	26.80191447
4986	24/12/2020	4	4.1	4.1.4.4	2300054287	961	125	49.6	31	7.16	19.2	2.9	222	55.7	25.09	75.54	1	1	1	1	1	50.45	66.79004955
4987	24/12/2020	4	4.1	4.1.4.4	2300054222	968	101	41.4	31	7.04	17.35	5.321	218	92.3	42.30	75.58	1	1	1	1	1	33.28	44.03137956
4988	24/12/2020	4	4.1	4.1.4.4	2300053483	980	43	30	31	6.08	14.8	2.9	188	42.9	22.77	75.66	1	1	1	1	1	52.89	69.90186516
4989	24/12/2020	4	4.1	4.1.4.4	2300054898	985	137	44.1	32	7.2	20.5	6.15	230	126.1	54.72	75.69	1	1	1	1	1	20.97	27.70504415
4990	24/12/2020	4	4.1	4.1.4.4	2300052898	969	15	31	31	6.9	24	1.7	214	40.8	19.07	75.59	1	1	1	1	1	56.51	74.7652607
4991	24/12/2020	4	4.1	4.1.4.4	2300081832	988	87	35.1	31	7.33	13.4	6.14	227	82.3	36.21	75.71	1	1	1	1	1	39.50	52.17457436
4992	24/12/2020	4	4.1	4.1.4.4	2300054283	982	95	38	31	7.13	17.2	5.13	221	88.2	39.92	75.67	1	1	1	1	1	35.75	47.24467985
4993	24/12/2020	4	4.1	4.1.4.4	2300050459	951	30	33	31	6.89	24.5	2.9	214	71.1	33.26	75.47	1	1	1	1	1	42.21	55.92472752
4994	24/12/2020	4	4.1	4.1.4.4	2300052024	989	42	32	31	6.76	22	3.07	210	67.5	32.23	75.72	1	1	1	1	1	43.49	57.4335631
4995	24/12/2020	4	4.1	4.1.4.3	2300055953	994	26	45	31	7.15	25	2.1	222	52.5	23.69	75.75	1	1	1	1	1	52.06	68.73037373
4996	24/12/2020	4	4.1	4.1.4.3	2300055954	993	129	52.6	31	7.16	20.7	5.79	222	119.9	54.00	75.74	1	1	1	1	1	21.74	28.70780087
4997	24/12/2020	4	4.1	4.1.4.3	2300055947	993	48	29	31	6	11.9	4.5	186	53.6	28.79	75.74	1	1	1	1	1	46.95	61.98855764

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
4998	24/12/2020	4	4.1	4.1.4.3	2300049029	994	32	31	31	7.04	24.4	2.85	218	69.5	31.86	75.75	1	1	1	1	1	43.88	57.93397688
4999	24/12/2020	4	4.1	4.1.4.3	2300049500	997	42	29.5	31	5.21	12	3.65	162	43.8	27.12	75.77	1	1	1	1	1	48.65	64.20719387
5000	24/12/2020	4	4.1	4.1.4.3	2300056001	991	33	22.1	31	4.77	9.9	3.22	148	31.9	21.56	75.73	1	1	1	1	1	54.17	71.53231102
5001	24/12/2020	4	4.1	4.1.4.3	2300055607	991	132	52.3	31	7.34	20.2	6.12	228	123.6	54.33	75.73	1	1	1	1	1	21.40	28.25588929
5002	24/12/2020	4	4.1	4.1.4.3	2300049749	990	35	18.2	31	5.85	6	5.7	181	34.2	18.86	75.72	1	1	1	1	1	56.86	75.09500437
5003	24/12/2020	4	4.1	4.1.4.3	2300052507	996	131		31	7.34	19.5	5.79	228	112.9	49.62	75.76	1	1	1	1	1	26.14	34.50424356
5004	24/12/2020	4	4.1	4.1.4.3	2300053434	837	20	3.1	32	0.1	0	0.1	3	0.0	0.00	74.74	1	1	1	1	1	74.74	100
5005	24/12/2020	4	4.1	4.1.4.3	2300049480	851	32	65.6	30	6.38	24.8	5.59	191	138.6	72.43	74.83	0	0	0	0	0	2.40	3.209689898
5006	24/12/2020	4	4.1	4.1.4.3	2300049734	880	32	59.1	31	0.05	13.5	0.03	2	0.4	26.13	75.02	1	1	1	1	1	48.89	65.16964961
5007	24/12/2020	4	4.1	4.1.4.3	2300049023	885	134	56.1	32	6.4	21.1	5.51	205	116.3	56.77	75.05	1	1	1	1	0	18.28	24.35967168
5008	24/12/2020	4	4.1	4.1.4.3	2300049484	789	88	67.2	32	5.65	24.2	5.08	181	122.9	68.00	74.44	1	0	0	0	0	6.44	8.65180744
5009	24/12/2020	4	4.1	4.1.4.3	2300049745	807	103	62.9	32	5.73	16.1	5.15	183	82.9	45.22	74.55	1	1	1	1	1	29.33	39.34366068
5010	24/12/2020	4	4.1	4.1.4.3	2300049728	803	106	47.6	32	7.77	19.3	4.56	249	88.0	35.40	74.53	1	1	1	1	1	39.13	52.50498771
5011	24/12/2020	4	4.1	4.1.4.3	2300054239	890	109	51.7	32	6.71	20	5.09	215	101.8	47.41	75.08	1	1	1	1	1	27.67	36.85493031
5012	24/12/2020	4	4.1	4.1.4.3	2300054261	840	127	51.8	30	6.73	20.2	5.62	202	113.5	56.23	74.76	1	1	1	1	0	18.53	24.790889
5013	24/12/2020	4	4.1	4.1.4.3	2300053354	910	49	29.8	31	6.28	12.3	4.8	195	59.0	30.33	75.21	1	1	1	1	1	44.88	59.67731691
5014	24/12/2020	4	4.1	4.1.4.3	2300049729	903	87	40.2	31	6.59	14.7	5.74	204	84.4	41.30	75.17	1	1	1	1	1	33.86	45.05030308
5015	24/12/2020	4	4.1	4.1.4.3	2300054282	914	48	28.3	31	6.64	11.3	5.27	206	59.6	28.93	75.24	1	1	1	1	1	46.30	61.54649808
5016	24/12/2020	4	4.1	4.1.4.3	2300054250	924	48	34.8	31	6.77	13.4	5.62	210	75.3	35.88	75.30	1	1	1	1	1	39.42	52.34614026
5017	24/12/2020	4	4.1	4.1.4.3	2300055551	906	42	27.5	31	6.23	13	5.71	193	74.2	38.44	75.18	1	1	1	1	1	36.75	48.87868911
5018	24/12/2020	4	4.1	4.1.4.2	2300054289	924	38	27	31	6.65	11.8	5.02	206	59.2	28.73	75.30	1	1	1	1	1	46.57	61.83988137
5019	24/12/2020	4	4.1	4.1.4.2	2300048446	911	126	45.5	31	6.69	20	5.45	207	109.0	52.56	75.22	1	1	1	1	1	22.66	30.12430461
5020	24/12/2020	4	4.1	4.1.4.2	2300054286	908	23	49.7	31	6.67	24.6	4.29	207	105.5	51.04	75.20	1	1	1	1	1	24.16	32.12603787
5021	24/12/2020	4	4.1	4.1.4.2	2300052508	927	43	24.5	31	6.8	12	4.4	211	52.8	25.05	75.32	1	1	1	1	1	50.27	66.74477245
5022	24/12/2020	4	4.1	4.1.4.2	2300048735	933	45	34	31	6.8	13	4.7	211	61.1	28.98	75.36	1	1	1	1	1	46.37	61.53676127
5023	24/12/2020	4	4.1	4.1.4.2	2300052522	936	114	46.3	31	6.87	19	5.33	213	101.3	47.55	75.38	1	1	1	1	1	27.83	36.91487216
5024	24/12/2020	4	4.1	4.1.4.2	2300053773	938	87	38.6	31	6.3	17	4.34	195	73.8	37.78	75.39	1	1	1	1	1	37.61	49.88966884
5025	24/12/2020	4	4.1	4.1.4.2	2300053732	941	46	33.9	31	6.58	16	4.3	204	68.8	33.73	75.41	1	1	1	1	1	41.68	55.27183054
5026	24/12/2020	4	4.1	4.1.4.2	2300049016	944	15	17	31	1.5	17.5	0.5	47	8.8	18.82	75.43	1	1	1	1	1	56.61	75.05262755
5027	24/12/2020	4	4.1	4.1.4.2	2300053466	940	25	32.8	31	6.88	23.4	1.04	213	24.3	11.41	75.40	1	1	1	1	1	63.99	84.86730778

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5028	24/12/2020	4	4.1	4.1.4.2	2300054832	936	118	4.91	31	6.77	19	5.6	210	106.4	50.70	75.38	1	1	1	1	1	24.68	32.74015319
5029	24/12/2020	4	4.1	4.1.4.2	2300050714	941	35	41	31	4.5	23.2	2.5	140	58.0	41.58	75.41	1	1	1	1	1	33.83	44.86415183
5030	24/12/2020	4	4.1	4.1.4.2	2300049943	943	38	32.5	31	5.15	16.2	3.3	160	53.5	33.49	75.42	1	1	1	1	1	41.94	55.60167423
5031	24/12/2020	4	4.1	4.1.4.2	2300054291	944	24	31.6	31	6.03	24.5	3.81	187	93.3	49.94	75.43	1	1	1	1	1	25.49	33.7963758
5032	24/12/2020	4	4.1	4.1.4.2	2300052026	636	20	47	32	4.77	24	2.9	153	69.6	45.60	73.46	1	1	1	1	1	27.86	37.92578417
5033	24/12/2020	4	4.1	4.1.4.2	2300054183	660	20	55.4	32	2.69	18.2	2.43	86	44.2	51.38	73.61	1	1	1	1	1	22.23	30.20270601
5034	24/12/2020	4	4.1	4.1.4.2	2300052032	591	20	50.1	31	2.21	18.9	2.06	69	38.9	56.83	73.17	1	1	1	1	0	16.34	22.33032306
5035	24/12/2020	4	4.1	4.1.4.2	2300052297	580	69	58	20	2.01	20.1	2.1	40	42.2	105.00	73.10	1	1	1	1	1	-31.90	-43.64278092
5036	24/12/2020	4	4.1	4.1.4.2	2300052295	540	35	25.7	31	3.9	11.2	2.87	121	32.1	26.59	72.84	1	1	1	1	1	46.25	63.50009308
5037	24/12/2020	4	4.1	4.1.4.2	2300052016	530	118	56.3	31	3.96	21.1	3.39	123	71.5	58.27	72.78	1	1	1	0	0	14.51	19.93823555
5038	24/12/2020	4	4.1	4.1.4.2	2300052926	989	79	47.4	21	7.1	12.9	5.6	149	72.2	48.45	75.72	1	1	1	1	1	27.26	36.00961463
5039	24/12/2020	4	4.1	4.1.4.2	-	1009	25	26.3	32	2.7	16.2	1.4	86	22.7	26.25	75.84	1	1	1	1	1	49.59	65.38930114
5040	24/12/2020	4	4.1	4.1.4.2	2300054292	1009	6.9	17.8	31	1.09	10.7	0.5	34	5.4	15.83	75.84	1	1	1	1	1	60.01	79.12403062
5041	24/12/2020	4	4.1	4.1.4.2	2300052981	1001	15	19.2	31	2.2	10.5	1.3	68	13.7	20.01	75.79	1	1	1	1	1	55.78	73.59278403
5042	24/12/2020	4	4.2	4.2.1.1	23000	1006	17	27.3	31	1.8	1.6	0.9	56	1.4	2.58	75.82	1	1	1	1	1	73.24	96.5965505
5043	24/12/2020	4	4.2	4.2.1.1	23000	1012	87	33	31	7.3	13.5	5.9	226	79.7	35.20	75.86	1	1	1	1	1	40.67	53.60487403
5044	24/12/2020	4	4.2	4.2.1.1	2300053642	1018	15	21.6	31	2.3	15.8	1.05	71	16.6	23.27	75.90	1	1	1	1	1	52.63	69.34451341
5045	24/12/2020	4	4.2	4.2.1.1	2300053647	1021	17	20.6	31	1.08	17	0.4	33	6.8	20.31	75.92	1	1	1	1	1	55.61	73.24746285
5046	24/12/2020	4	4.2	4.2.1.1	23000	1022	23	18.8	31	1.5	15.6	0.5	47	7.8	16.77	75.93	1	1	1	1	1	59.15	77.90741405
5047	24/12/2020	4	4.2	4.2.1.1	2300053654	1016	132	51.5	31	7.4	19.3	6.3	229	121.6	53.00	75.89	1	1	1	1	1	22.88	30.15600888
5048	24/12/2020	4	4.2	4.2.1.1	23000	997	98	40.4	31	7.1	14.9	6.1	220	90.9	41.29	75.77	1	1	1	1	1	34.47	45.49741315
5049	24/12/2020	4	4.2	4.2.1.1	2300056043	1001	131	51.1	31	7.4	19.5	6.29	229	122.7	53.47	75.79	1	1	1	1	1	22.32	29.45500877
5050	24/12/2020	4	4.2	4.2.1.1	2300053568	1008	17	40.9	31	7.3	25.4	2.7	226	68.6	30.30	75.84	1	1	1	1	1	45.53	60.03952547
5051	24/12/2020	4	4.2	4.2.1.1	2300056124	1002	25	24.3	32	5.2	16.1	2.5	166	40.3	24.19	75.80	1	1	1	1	1	51.61	68.08827854
5052	24/12/2020	4	4.2	4.2.1.1	2300055547	1009	35	24.9	32	2.1	17.9	0.9	67	16.1	23.97	75.84	1	1	1	1	1	51.87	68.39124951
5053	24/12/2020	4	4.2	4.2.1.1	2300053564	1009	27	21.3	32	2.7	17.1	1.1	86	18.8	21.77	75.84	1	1	1	1	1	54.07	71.29509499
5054	24/12/2020	4	4.2	4.2.1.1	23000	1006	8.5	26.5	32	0.9	15.1	0.5	29	7.6	26.22	75.82	1	1	1	1	1	49.61	65.42633008
5055	24/12/2020	4	4.2	4.2.1.1	2300056116	1009	131	22.5	31	7.2	21.1	5.7	223	120.3	53.88	75.84	1	1	1	1	1	21.96	28.95325564
5056	24/12/2020	4	4.2	4.2.1.1	2300055955	989	8.9	18.5	31	1.3	10.7	0.7	40	7.5	18.59	75.72	1	1	1	1	1	57.13	75.45339674
5057	24/12/2020	4	4.2	4.2.1.1	2300055955	996	133	53.3	31	7.2	20.6	6	223	123.6	55.38	75.76	1	1	1	1	1	20.38	26.90595075

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5058	24/12/2020	4	4.2	4.2.1.1	23000	1006	12	16.5	31	1.5	16.3	0.5	47	8.2	17.53	75.82	1	1	1	1	1	58.30	76.88490549
5059	24/12/2020	4	4.2	4.2.1.1	2300056113	1006	14	25.6	31	1.6	16	0.8	50	12.8	25.81	75.82	1	1	1	1	1	50.02	65.96550502
5060	24/12/2020	4	4.2	4.2.1.1	2300055907	1007	28.3	20.5	31	3.8	10.5	2.4	118	25.2	21.39	75.83	1	1	1	1	1	54.44	71.78957607
5061	24/12/2020	4	4.2	4.2.1.1	2300055902	1016	125	40.9	31	7.8	20.2	5.8	242	117.2	48.45	75.89	1	1	1	1	1	27.44	36.15194527
5062	24/12/2020	4	4.2	4.2.1.1	23000	1073	97	37.5	31	7.45	14.3	6.29	231	89.9	38.95	76.25	1	1	1	1	1	37.31	48.92473336
5063	24/12/2020	4	4.2	4.2.1.1	2300053588	1005	100	39.4	31	7.2	14.4	6.01	223	86.5	38.77	75.82	1	1	1	1	1	37.04	48.85885469
5064	24/12/2020	4	4.2	4.2.1.1	2300052661	1000	100	40.3	31	7.6	21.2	6.01	236	127.4	54.08	75.79	1	1	1	1	1	21.71	28.64144266
5065	24/12/2020	4	4.2	4.2.1.1	2300052504	975	133	55.2	31	6.95	20.4	5.98	215	122.0	56.62	75.63	1	1	1	1	1	19.00	25.12898468
5066	24/12/2020	4	4.2	4.2.1.3	2300050700	981	136	53.4	31	7.2	20.1	6.2	223	124.6	55.83	75.66	1	1	1	1	1	19.83	26.20924327
5067	24/12/2020	4	4.2	4.2.1.3	2300050812	960	45	29.6	31	5.35	10.1	2.16	166	21.8	13.15	75.53	1	1	1	1	1	62.38	82.5843309
5068	24/12/2020	4	4.2	4.2.1.3	23000	967	124	59.7	30	7.24	19.5	5.8	217	113.1	52.07	75.57	1	1	1	1	1	23.50	31.09895996
5069	24/12/2020	4	4.2	4.2.1.3	2300053699	977	91	37.5	31	7.01	17.2	6.5	217	111.8	51.45	75.64	1	1	1	1	1	24.19	31.98300176
5070	24/12/2020	4	4.2	4.2.1.3	2300053650	935	133	53.2	32	6.87	20.8	5.66	220	117.7	53.55	75.37	1	1	1	1	1	21.82	28.94828984
5071	24/12/2020	4	4.2	4.2.1.3	2300053560	923	134	53.3	32	6.88	21.1	5.69	220	120.1	54.53	75.29	1	1	1	1	1	20.76	27.57299113
5072	24/12/2020	4	4.2	4.2.1.3	2300053567	947	135	52.9	32	7.01	20.2	5.75	224	116.2	51.78	75.45	1	1	1	1	1	23.67	31.37056974
5073	24/12/2020	4	4.2	4.2.1.3	2300053655	914	133	52.5	31	7.06	22.5	5.9	219	132.8	60.66	75.24	1	1	1	0	0	14.58	19.37963759
5074	24/12/2020	4	4.2	4.2.1.3	2300053563	947	100	41.3	30	7.09	10.2	6.08	213	62.0	29.16	75.45	1	1	1	1	1	46.29	61.3548109
5075	24/12/2020	4	4.2	4.2.1.3	2300056633	949	20	18.2	32	2.6	22.8	6.31	83	143.9	172.92	75.46	1	1	1	1	1	-97.46	-129.15344
5076	24/12/2020	4	4.2	4.2.1.3	2300053561	931	127	51.2	31	6.83	19.5	6.17	212	120.3	56.82	75.34	1	1	1	1	0	18.52	24.58002239
5077	24/12/2020	4	4.2	4.2.1.3	2300056023	960	128	50.2	31	7.12	10.1	5.83	221	58.9	26.68	75.53	1	1	1	1	1	48.85	64.67934438
5078	24/12/2020	4	4.2	4.2.1.3	2300055882	957	20	20.2	30	2.15	23.9	5.89	65	140.8	218.25	75.51	1	1	1	1	1	-142.74	-189.0309895
5079	25/12/2020	4	4.2	4.2.1.3	2300055972	927	105	61.8	23	6.41	16.1	5.75	147	92.6	62.79	75.32	1	1	1	0	0	12.53	16.63102479
5080	25/12/2020	4	4.2	4.2.1.3	2300056117	754	131	66.7	32	6.27	24.4	5.62	201	137.1	68.35	74.21	1	0	0	0	0	5.87	7.904835557
5081	25/12/2020	4	4.2	4.2.1.3	2300056121	959	108	44.5	30	6.98	16.2	6.34	209	102.7	49.05	75.52	1	1	1	1	1	26.47	35.05512105
5082	25/12/2020	4	4.2	4.2.1.3	2300055987	920	75	18.5	32	2.47	15.3	0.9	79	13.8	17.42	75.27	1	1	1	1	1	57.85	76.85580851
5083	25/12/2020	4	4.2	4.2.1.3	2300050119	543	45	58	31	2.3	18.2	2.9	71	52.8	74.03	72.86	0	0	0	0	0	-1.16	-1.597620464
5084	25/12/2020	4	4.2	4.2.1.3	2300055895	940	82	66.1	32	6.8	23.4	4.3	218	100.6	46.24	75.40	1	1	1	1	1	29.16	38.67429402
5085	25/12/2020	4	4.2	4.2.1.3	2300056128	954	31	56.4	32	3.3	22.3	1.7	106	37.9	35.90	75.49	1	1	1	1	1	39.59	52.445542
5086	25/12/2020	4	4.2	4.2.1.3	2300051195	962	127	52.2	30	6.9	23.1	5.47	207	126.4	61.04	75.54	1	1	1	0	0	14.50	19.19543757
5087	25/12/2020	4	4.2	4.2.1.3	2300056118	1000	20	20.5	30	2.04	21.6	2.64	61	57.0	93.18	75.79	1	1	1	1	0	-17.39	-22.94681153

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5088	25/12/2020	4	4.2	4.2.1.3	2300052008	1001	21	25.2	30	2.58	20	2.01	77	40.2	51.94	75.79	1	1	1	1	1	23.85	31.47336079
5089	25/12/2020	4	4.2	4.2.1.3	2300053557	1001	30	30.1	31	2.36	18	3.02	73	54.4	74.30	75.79	0	0	0	0	0	1.49	1.965239578
5090	25/12/2020	4	4.1	4.1.4.1	2300054949	1075	20	60.2	31	7.8	22.3	6.5	242	145.0	59.95	76.27	1	1	1	1	0	16.32	21.39847827
5091	25/12/2020	4	4.1	4.1.4.1	2300052704	1020	120	20.2	31	6.2	18.2	3.6	192	65.5	34.09	75.91	1	1	1	1	1	41.82	55.09459373
5092	25/12/2020	4	4.1	4.1.4.1	-	1060	138	54.8	31	7.6	21.7	6.2	236	134.5	57.11	76.17	1	1	1	1	1	19.06	25.0291937
5093	25/12/2020	4	4.1	4.1.4.1	2300054294	1041	127	51.7	31	7.3	20.1	5.8	226	116.6	51.52	76.05	1	1	1	1	1	24.53	32.25934123
5094	25/12/2020	4	4.1	4.1.4.1	2300052882	1036	123	50.2	31	7.2	18.9	6.08	223	114.9	51.48	76.02	1	1	1	1	1	24.53	32.27267936
5095	25/12/2020	4	4.1	4.1.4.1	2300056946	974	11	26.2	31	1.3	16.1	6.7	40	107.9	267.67	75.62	1	1	1	1	1	-192.05	-253.9657626
5096	25/12/2020	4	4.1	4.1.4.1	2300053513	1056	96	40.6	30	6.7	17.9	4.7	201	84.1	41.86	76.14	1	1	1	1	1	34.29	45.03112324
5097	25/12/2020	4	4.1	4.1.4.1	2300054284	1040	32	16.7	30	2.4	15.2	0.8	72	12.2	16.89	76.04	1	1	1	1	1	59.15	77.7900517
5098	25/12/2020	4	4.1	4.1.4.1	2300054279	1011	42	29.8	32	2.9	12.3	1.6	93	19.7	21.21	75.86	1	1	1	1	1	54.65	72.04336542
5099	25/12/2020	4	4.1	4.1.4.1	2300052743	1091	131	52.1	31	7.8	20.6	6.33	242	130.4	53.93	76.37	1	1	1	1	1	22.44	29.38435308
5100	25/12/2020	4	4.1	4.1.4.1	2300054254	1034	77	28.8	31	7.19	11.9	5.53	223	65.8	29.52	76.00	1	1	1	1	1	46.48	61.15390706
5101	25/12/2020	4	4.1	4.1.4.1	2300052744	1025	124	51.8	32	7.3	21.5	5.7	234	122.6	52.46	75.95	1	1	1	1	1	23.48	30.92266531
5102	25/12/2020	4	4.1	4.1.4.1	2300052680	1039	136	54.9	32	7.49	21.7	6.1	240	132.4	55.23	76.04	1	1	1	1	1	20.81	27.36586055
5103	25/12/2020	4	4.1	4.1.4.1	2300052782	1001	35	25.5	32	3.3	16.5	1.6	106	26.4	25.00	75.79	1	1	1	1	1	50.79	67.01516247
5104	25/12/2020	4	4.1	4.1.4.1	2300052770	1017	101	44	31	6.8	22.5	4.3	211	96.8	45.90	75.89	1	1	1	1	1	30.00	39.52604864
5105	25/12/2020	4	4.1	4.1.4.1	2300082713	1004	38	25.7	31	4.2	16	2.1	130	33.6	25.81	75.81	1	1	1	1	1	50.01	65.95975865
5106	25/12/2020	4	4.1	4.1.4.1	2300052736	1009	17	26.9	31	1.9	15.8	1.03	59	16.3	27.63	75.84	1	1	1	1	1	48.21	63.56992396
5107	25/12/2020	4	4.1	4.1.4.1	2300052738	1024	35	24.3	31	2.5	15.8	1.3	78	20.5	26.50	75.94	1	1	1	1	1	49.44	65.09959783
5108	25/12/2020	4	4.1	4.1.4.1	2300052740	1031	27	18.1	31	2.8	16.6	2.9	87	48.1	55.46	75.98	1	1	1	1	1	20.52	27.01024224
5109	25/12/2020	4	4.1	4.1.4.1	2300052677	1032	22	26	30	2.9	16	1.3	87	20.8	23.91	75.99	1	1	1	1	1	52.08	68.53823624
5110	25/12/2020	4	4.1	4.1.4.1	2300052757	1053	18	26.1	31	2.09	15.7	1.1	65	17.3	26.66	76.13	1	1	1	1	1	49.47	64.98485646
5111	25/12/2020	4	4.1	4.1.4.1	2300052727	1083	32	27.3	32	3.3	14.6	2.1	106	30.7	29.03	76.32	1	1	1	1	1	47.28	61.95603231
5112	25/12/2020	4	4.1	4.1.4.1	2300052788	605	41	37.2	33	3.19	17.3	2.27	105	39.3	37.31	73.26	1	1	1	1	1	35.95	49.07719952
5113	25/12/2020	4	4.1	4.1.4.1	-	866	14.7	26.4	33	1.6	16.1	0.8	53	12.9	24.39	74.93	1	1	1	1	1	50.53	67.44366703
5114	25/12/2020	9	9.3	9.3.2.2	2300042695	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
5115	25/12/2020	9	9.3	9.3.2.2	NA	761	101	68.2	21	5.07	16.3	4.59	106	74.8	70.27	74.26	1	0	0	0	0	3.99	5.367754521
5116	25/12/2020	9	9.3	9.3.2.2	NA	863	129	56.7	32	6.06	21	5.28	194	110.9	57.18	74.91	1	1	1	1	0	17.73	23.66996601
5117	25/12/2020	9	9.3	9.3.2.3	NA	920	135	59.3	31	6.28	21.9	5.41	195	118.5	60.86	75.27	1	1	1	0	0	14.42	19.15092645

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5118	25/12/2020	9	9.3	9.3.2.3	NA	935	90	41.9	31	6.48	14.7	5.9	201	86.7	43.18	75.37	1	1	1	1	1	32.19	42.71589509
5119	25/12/2020	9	9.3	9.3.2.3	NA	966	98	63.6	30	6.99	14.6	6.3	210	92.0	43.86	75.57	1	1	1	1	1	31.71	41.95634558
5120	25/12/2020	9	9.3	9.3.2.4	2300042108	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
5121	25/12/2020	9	9.3	9.3.2.4	2300042502	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
5122	25/12/2020	9	9.3	9.3.2.4	NA	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
5123	25/12/2020	9	9.3	9.3.2.4	2300038350	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
5124	25/12/2020	9	9.3	9.3.2.4	2300042690	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
5125	25/12/2020	9	9.3	9.3.3.1	2300038315	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
5126	25/12/2020	9	9.3	9.3.3.2	2300037880	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
5127	25/12/2020	9	9.3	9.3.3.2	2300029569	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
5128	25/12/2020	9	9.3	9.3.3.2	NA	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
5129	25/12/2020	9	9.3	9.3.3.2	2300037812	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
5130	25/12/2020	9	9.3	9.3.3.2	NA	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
5131	25/12/2020	9	9.3	9.3.3.3	2300038642	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
5132	25/12/2020	9	9.3	9.3.3.3	2300038631	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
5133	25/12/2020	9	9.3	9.3.3.3	2300038614	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
5134	25/12/2020	9	9.3	9.3.3.3	2300038606	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
5135	25/12/2020	9	9.3	9.3.3.4	2300024893	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
5136	25/12/2020	9	9.3	9.3.3.4	2300039009	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
5137	25/12/2020	9	9.3	9.3.3.4	2300037862	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
5138	25/12/2020	9	9.3	9.3.3.4	2300041504	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
5139	25/12/2020	9	9.3	9.3.4.1	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
5140	25/12/2020	9	9.3	9.3.4.2	NA	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
5141	25/12/2020	9	9.3	9.3.4.2	2300044022	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
5142	25/12/2020	9	9.3	9.3.4.2	NA	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
5143	25/12/2020	9	9.3	9.3.4.3	NA	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
5144	25/12/2020	9	9.3	9.3.4.3	2300044020	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
5145	25/12/2020	9	9.3	9.3.4.4	NA	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
5146	25/12/2020	9	9.3	9.3.4.4	2300038035	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
5147	25/12/2020	9	9.3	9.3.4.4	2300043992	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5148	25/12/2020	9	9.3	9.3.5.1	2300041334	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
5149	25/12/2020	9	9.3	9.3.5.1	2300038012	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
5150	25/12/2020	9	9.3	9.3.5.1	2300038282	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
5151	25/12/2020	9	9.3	9.3.5.1	NA	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
5152	25/12/2020	9	9.3	9.3.5.2	2300037734	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
5153	25/12/2020	9	9.3	9.3.5.2	NA	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
5154	25/12/2020	9	9.3	9.3.5.2	2300038630	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
5155	25/12/2020	9	9.3	9.3.5.2	NA	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
5156	25/12/2020	9	9.3	9.3.5.3	2300038381	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
5157	25/12/2020	9	9.3	9.3.5.3	NA	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
5158	25/12/2020	9	9.3	9.3.5.3	2300041280	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
5159	25/12/2020	9	9.3	9.3.5.3	NA	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
5160	25/12/2020	9	9.3	9.3.5.4	2300036924	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
5161	25/12/2020	9	9.3	9.3.5.4	2300056376	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
5162	25/12/2020	9	9.3	9.3.5.4	2300038843	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
5163	25/12/2020	9	9.3	9.3.5.4	2300039919	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
5164	25/12/2020	9	9.3	9.3.5.4	2300039244	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
5165	25/12/2020	9	9.3	9.3.5.4	2300056393	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
5166	25/12/2020	9	9.4	9.4.5.1	2300056507	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
5167	25/12/2020	9	9.4	9.4.5.1	NA	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
5168	25/12/2020	9	9.4	9.4.5.1	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
5169	25/12/2020	9	9.4	9.4.5.1	2300037889	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
5170	25/12/2020	9	9.4	9.4.5.1	2300042099	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
5171	25/12/2020	9	9.4	9.4.5.3	NA	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
5172	25/12/2020	9	9.4	9.4.5.3	NA	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
5173	25/12/2020	9	9.4	9.4.5.3	NA	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
5174	25/12/2020	4	4.5	4.5.2.2	2300058072	835	23	27.1	33	2.4	16.5	1.3	79	21.5	27.08	74.73	1	1	1	1	1	47.65	63.7584192
5175	25/12/2020	4	4.5	4.5.2.2	2300058071	825	49	46	33	5.8	12.9	4.5	191	58.1	30.33	74.67	1	1	1	1	1	44.34	59.38023517
5176	25/12/2020	4	4.5	4.5.2.2	2300057996	773	35	28.9	33	3.54	16.3	2.7	117	44.0	37.67	74.33	1	1	1	1	1	36.66	49.31828092
5177	25/12/2020	4	4.5	4.5.2.2	2300058004	797	118	48.8	33	5.69	20.6	4.39	188	90.4	48.16	74.49	1	1	1	1	1	26.32	35.34141187

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5178	25/12/2020	4	4.5	4.5.2.2	2300057965	873	21	27.5	32	2.3	15.8	1.3	74	20.5	27.91	74.97	1	1	1	1	1	47.07	62.77655389
5179	25/12/2020	4	4.5	4.5.2.2	2300052480	821	49	33.3	32	5.76	13.5	4.5	184	60.8	32.96	74.64	1	1	1	1	1	41.68	55.84296926
5180	25/12/2020	4	4.5	4.5.2.2	2300055830	819	135	56.7	32	5.69	22.2	4.7	182	104.3	57.30	74.63	1	1	1	1	0	17.32	23.21275031
5181	25/12/2020	4	4.5	4.5.2.2	2300052766	823	46	54	32	5.8	13.7	4.76	186	65.2	35.14	74.65	1	1	1	1	1	39.52	52.93466876
5182	25/12/2020	4	4.5	4.5.2.2	2300055990	826	137	57.3	32	5.96	21.6	5.14	191	111.0	58.21	74.67	1	1	1	1	0	16.46	22.04202992
5183	25/12/2020	4	4.5	4.5.2.2	2300052610	825	42	39	32	5.03	14.6	4.1	161	59.9	37.19	74.67	1	1	1	1	1	37.48	50.19237161
5184	25/12/2020	4	4.5	4.5.2.2	2300055844	832	34	37.5	32	4.7	22.4	2.3	150	51.5	34.26	74.71	1	1	1	1	1	40.46	54.14944138
5185	25/12/2020	4	4.5	4.5.2.2	2300059949	836	32	28.8	32	2.94	16.4	1.6	94	26.2	27.89	74.74	1	1	1	1	1	46.85	62.68062622
5186	25/12/2020	4	4.5	4.5.2.2	2300057996	838	28	28.3	32	2.9	16.1	1.6	93	25.8	27.76	74.75	1	1	1	1	1	46.99	62.86432405
5187	25/12/2020	4	4.5	4.5.2.2	2300058057	837	16	24.3	32	6.9	17.1	0.4	221	6.8	3.10	74.74	1	1	1	1	1	71.64	95.85535184
5188	25/12/2020	4	4.5	4.5.2.2	2300053072	841	136	55.1	32	6.21	21.3	5.02	199	106.9	53.81	74.77	1	1	1	1	1	20.96	28.03461469
5189	25/12/2020	4	4.5	4.5.2.2	2300056951	1100	130	53.3	30	8.01	21.2	6.2	240	131.4	54.70	76.43	1	1	1	1	1	21.73	28.42973098
5190	25/12/2020	4	4.5	4.5.2.2	2300057111	1093	20	20.2	30	2.08	18.9	2.9	62	54.8	87.84	76.38	1	1	0	0	0	-11.46	-14.99758902
5191	25/12/2020	4	4.5	4.5.2.2	2300057971	735	46	55	20	2.7	14	1.9	54	26.6	49.26	74.09	1	1	1	1	1	24.83	33.51429443
5192	25/12/2020	4	4.5	4.5.2.2	2300056074	1000	20	54	20	3.9	15	2.8	78	42.0	53.85	75.79	1	1	1	1	1	21.94	28.94973498
5193	25/12/2020	4	4.5	4.5.2.2	2300057823	800	98	41.1	30	6.3	19.1	3.1	189	59.2	31.33	74.51	1	1	1	1	1	43.18	57.95232286
5194	25/12/2020	4	4.5	4.5.2.2	2300052558	1037	20	20.5	31	2.3	20.4	6.1	71	124.4	174.53	76.02	1	1	1	1	1	-98.51	-129.576067
5195	25/12/2020	4	4.5	4.5.2.2	2300056332	1024	132	53.8	31	8.9	20.9	6.5	276	135.9	49.24	75.94	1	1	1	1	1	26.70	35.16050301
5196	25/12/2020	4	4.5	4.5.2.1	2300055825	920	130	52.5	31	7.8	19.9	6.5	242	129.4	53.49	75.27	1	1	1	1	1	21.78	28.93346487
5197	25/12/2020	4	4.5	4.5.2.1	2300055820	852	13	20.1	30	1.2	14.8	0.5	36	7.4	20.56	74.84	1	1	1	1	1	54.28	72.53355805
5198	25/12/2020	4	4.5	4.5.2.1	2300055823	921	15	19.2	30	1	15.9	0.3	30	4.8	15.90	75.28	1	1	1	1	1	59.38	78.87896451
5199	25/12/2020	4	4.5	4.5.2.1	2300055891	1117	135	53.3	31	8.1	20.7	6.6	251	136.6	54.41	76.53	1	1	1	1	1	22.13	28.90998324
5200	25/12/2020	4	4.5	4.5.2.1	2300055893	1050	137	44.7	31	7.5	20.8	6.3	233	131.0	56.36	76.11	1	1	1	1	1	19.74	25.94369653
5201	25/12/2020	4	4.5	4.5.2.1	2300055560	1050	15	21.7	30	0.9	16.7	0.3	27	5.0	18.56	76.11	1	1	1	1	1	57.55	75.61880068
5202	25/12/2020	4	4.5	4.5.2.1	2300055892	1091	138	59	30	7.5	21.5	6.2	225	133.3	59.24	76.37	1	1	1	1	0	17.12	22.42282876
5203	25/12/2020	4	4.5	4.5.2.1	2300055849	711	85	50.4	30	5.28	15.5	4.6	158	71.3	45.01	73.94	1	1	1	1	1	28.92	39.11980261
5204	25/12/2020	4	4.5	4.5.2.1	2300056006	698	84	42.4	31	5.01	18	3.39	155	61.0	39.29	73.85	1	1	1	1	1	34.56	46.80100035
5205	25/12/2020	4	4.5	4.5.2.1	2300052964	693	20	20	31	2.4	17	2.02	74	34.3	46.16	73.82	1	1	1	1	1	27.67	37.47607194
5206	25/12/2020	4	4.5	4.5.2.1	2300056005	690	10	20	31	2.7	15	2.07	84	31.1	37.10	73.80	1	1	1	1	1	36.71	49.7347305
5207	25/12/2020	4	4.5	4.5.2.1	2300052960	674	9	14.3	30	0.6	10.5	0.2	18	2.1	11.67	73.70	1	1	1	1	1	62.03	84.16997288

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5208	25/12/2020	4	4.5	4.5.2.1	2300052712	780	20	20.1	30	2.52	18.2	2.84	76	51.7	68.37	74.38	1	0	0	0	0	6.01	8.077159415
5209	25/12/2020	4	4.5	4.5.2.1	2300052637	790	44	27.9	31	2.8	16.2	1.6	87	25.9	29.86	74.44	1	1	1	1	1	44.58	59.88588277
5210	25/12/2020	4	4.5	4.5.2.1	2300052923	788	20	30.9	31	2.8	21.2	2.05	87	43.5	50.07	74.43	1	1	1	1	1	24.36	32.72919174
5211	25/12/2020	4	4.5	4.5.2.1	2300052896	764	80	41.6	32	5.4	17.1	4.1	173	70.1	40.57	74.28	1	1	1	1	1	33.70	45.3751748
5212	25/12/2020	4	4.5	4.5.2.1	2300052924	751	90	41.9	31	5.16	18.4	3.7	160	68.1	42.56	74.19	1	1	1	1	1	31.63	42.634771
5213	25/12/2020	4	4.5	4.5.2.1	2300055829	736	15	19	31	1.3	10.5	0.8	40	8.4	20.84	74.10	1	1	1	1	1	53.25	71.86952071
5214	25/12/2020	4	4.5	4.5.2.1	2300052624	735	20	18	31	1.4	9	0.2	43	1.8	4.15	74.09	1	1	1	1	1	69.94	94.4021252
5215	25/12/2020	4	4.5	4.5.2.1	23000	529	16	18.5	31	0.72	11	0.4	22	4.4	19.71	72.77	1	1	1	1	1	53.06	72.91077611
5216	25/12/2020	4	4.5	4.5.2.1	23000	830	125	54.4	30	5.7	20	4.7	171	94.0	54.97	74.70	1	1	1	1	1	19.73	26.40932792
5217	25/12/2020	4	4.5	4.5.2.1	23000	848	109	64.9	21	5.95	15.9	5.6	125	89.0	71.26	74.81	0	0	0	0	0	3.55	4.748755298
5218	25/12/2020	4	4.5	4.5.2.1	23000	832	120	42.2	31	5.8	21.3	3.71	180	79.0	43.95	74.71	1	1	1	1	1	30.76	41.17249373
5219	25/12/2020	4	4.5	4.5.2.3	2300052378	852	137	59.3	31	6.09	21.41	5.4	189	115.6	61.24	74.84	1	1	1	0	0	13.60	18.17149336
5220	25/12/2020	4	4.5	4.5.2.3	2300052850	1001	136	56.7	31	7.1	21	6.1	220	128.1	58.20	75.79	1	1	1	1	0	17.59	23.21021922
5221	25/12/2020	4	4.5	4.5.2.3	2300052358	1028	94	58.8	31	7.3	14.9	6.08	226	90.6	40.03	75.97	1	1	1	1	1	35.93	47.30242773
5222	25/12/2020	4	4.5	4.5.2.3	23000	1035	20	20.8	10	2.5	10.2	2.6	25	26.5	106.08	76.01	1	1	1	1	1	-30.07	-39.56058413
5223	25/12/2020	4	4.5	4.5.2.3	2300052399	923	25	34	20	3.9	10.2	2.6	78	26.5	34.00	75.29	1	1	1	1	1	41.29	54.84319965
5224	25/12/2020	4	4.5	4.5.2.3	2300052406	964	110	45	31	7.5	18.4	5.7	233	104.9	45.11	75.56	1	1	1	1	1	30.45	40.2960503
5225	25/12/2020	4	4.5	4.5.2.3	2300055562	1000	120	52	31	7.01	20.1	5.6	217	112.6	51.80	75.79	1	1	1	1	1	23.99	31.65364042
5226	25/12/2020	4	4.5	4.5.2.3	2300055749	1020	109	46.7	31	7.1	21	4.99	220	104.8	47.61	75.91	1	1	1	1	1	28.30	37.28406198
5227	25/12/2020	4	4.5	4.5.2.3	2300052621	1020	20	20.2	30	2.4	18.2	2.6	72	47.3	65.72	75.91	1	1	0	0	0	10.19	13.42542585
5228	25/12/2020	4	4.5	4.5.2.3	2300052625	1056	132	56.7	30	7.2	21	6.1	216	128.1	59.31	76.14	1	1	1	1	0	16.84	22.11435699
5229	25/12/2020	4	4.5	4.5.2.3	2300052613	1049	135	59.7	30	6.4	21.1	5.5	192	116.1	60.44	76.10	1	1	1	1	0	15.66	20.5742102
5230	25/12/2020	4	4.5	4.5.2.3	2300052961	1006	135	55.1	30	7.6	20.5	6.3	228	129.2	56.64	75.82	1	1	1	1	1	19.18	25.29484329
5231	25/12/2020	4	4.5	4.5.2.3	2300052925	1057	132	64.5	30	7.7	22.5	5.8	231	130.5	56.49	76.15	1	1	1	1	1	19.66	25.81364018
5232	25/12/2020	4	4.5	4.5.2.3	2300052455	1061	49	25	30	4.2	10.7	3.1	126	33.2	26.33	76.18	1	1	1	1	1	49.85	65.44153199
5233	25/12/2020	4	4.5	4.5.2.3	2300052731	1072	129	52.6	31	7.6	20	6.3	236	126.0	53.48	76.25	1	1	1	1	1	22.77	29.858728
5234	25/12/2020	4	4.5	4.5.2.3	2300055897	1003	46	13	30	5	17.2	2.6	150	44.7	29.81	75.81	1	1	1	1	1	45.99	60.6711237
5235	25/12/2020	4	4.5	4.5.2.3	2300052415	1073	137	56.3	30	7.8	21.6	6.3	234	136.1	58.15	76.25	1	1	1	1	0	18.10	23.73586138
5236	25/12/2020	4	4.5	4.5.2.3	2300054734	1061	126	51.4	30	7.9	19.8	6	237	118.8	50.13	76.18	1	1	1	1	1	26.05	34.1967036
5237	25/12/2020	4	4.5	4.5.2.3	2300052838	910	20	58	20	2.51	20.2	2.9	50	58.6	116.69	75.21	1	1	1	1	1	-41.48	-55.15653117

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5238	25/12/2020	4	4.5	4.5.2.3	2300055804	921	18	20	20	2.45	21.5	3.04	49	65.4	133.39	75.28	1	1	1	1	1	-58.11	-77.18789366
5239	25/12/2020	4	4.5	4.5.2.3	2300052608	724	48	33.4	32	0.6	13.2	0.42	19	5.5	28.88	74.02	1	1	1	1	1	45.14	60.99006209
5240	25/12/2020	4	4.5	4.5.2.4	2300052880	932	124	50.2	32	6.7	19.6	5.6	214	109.8	51.19	75.35	1	1	1	1	1	24.16	32.05907588
5241	25/12/2020	4	4.5	4.5.2.4	2300052953	957	110	45.8	31	6.7	18.5	5.4	208	99.9	48.10	75.51	1	1	1	1	1	27.41	36.30286186
5242	25/12/2020	4	4.5	4.5.2.4	2300058104	973	138	57.4	30	6.9	23.3	5.35	207	124.7	60.22	75.61	1	1	1	1	0	15.39	20.35807668
5243	25/12/2020	4	4.5	4.5.2.4	2300058105	1001	105	60	22	7.9	15.5	6.5	174	100.8	57.97	75.79	1	1	1	1	0	17.82	23.51617074
5244	25/12/2020	4	4.5	4.5.2.4	2300055984	1025	114	45.6	31	7.5	18.6	5.8	233	107.9	46.40	75.95	1	1	1	1	1	29.55	38.90395808
5245	25/12/2020	4	4.5	4.5.2.4	2300056000	1037	83	35.4	30	7.07	16.9	4.6	212	77.7	36.65	76.02	1	1	1	1	1	39.37	51.78746061
5246	25/12/2020	4	4.5	4.5.2.4	2300056103	1046	92	37.4	31	7.4	16.1	5.4	229	86.9	37.90	76.08	1	1	1	1	1	38.18	50.18576847
5247	25/12/2020	4	4.5	4.5.2.4	2300052411	1055	30	24.7	30	3.9	15.1	1.9	117	28.7	24.52	76.14	1	1	1	1	1	51.62	67.79352292
5248	25/12/2020	4	4.5	4.5.2.4	2300058111	1046	133	54.6	30	7.7	20.4	6.3	231	128.5	55.64	76.08	1	1	1	1	1	20.44	26.8716205
5249	25/12/2020	4	4.5	4.5.2.4	2300058073	1062	81	40.2	30	6.1	16	4.7	183	75.2	41.09	76.18	1	1	1	1	1	35.09	46.06013933
5250	25/12/2020	4	4.5	4.5.2.4	2300055999	718	35	28.9	32	4.05	15	2.4	130	36.0	27.78	73.98	1	1	1	1	1	46.20	62.45292348
5251	25/12/2020	4	4.5	4.5.2.4	2300055581	700	95	47.1	31	5.08	18.4	4.13	157	76.0	48.26	73.87	1	1	1	1	1	25.61	34.67222198
5252	25/12/2020	4	4.5	4.5.2.4	2300053474	693	47	27.9	31	4.9	16.8	2.5	152	42.0	27.65	73.82	1	1	1	1	1	46.17	62.544947
5253	25/12/2020	4	4.5	4.5.2.4	2300056095	691	39	30.5	31	4.9	16.2	2.7	152	43.7	28.80	73.81	1	1	1	1	1	45.01	60.98647303
5254	25/12/2020	4	4.5	4.5.2.4	2300056773	685	133	68.6	31	4.9	21.2	4.3	152	91.2	60.01	73.77	1	1	1	0	0	13.76	18.64827632
5255	25/12/2020	4	4.5	4.5.2.4	2300050890	717	25	67.1	30	2.9	23.1	2.6	87	60.1	69.03	73.97	1	0	0	0	0	4.94	6.678378639
5256	25/12/2020	4	4.5	4.5.2.4	2300049538	996	138	62.4	31	5.7	22.7	5	177	113.5	64.23	75.76	1	1	1	0	0	11.53	15.21538488
5257	25/12/2020	4	4.5	4.5.2.4	2300056754	878	49	41	32	2.9	14.4	1.2	93	17.3	18.62	75.01	1	1	1	1	1	56.38	75.17413505
5258	25/12/2020	4	4.5	4.5.2.4	2300057832	1064	20	20.6	32	2.6	18.2	6.02	83	109.6	131.69	76.20	1	1	1	1	1	-55.49	-72.82822105
5259	25/12/2020	4	4.5	4.5.2.4	2300056884	1001	89	35.8	32	7.2	16.5	5.03	230	83.0	36.02	75.79	1	1	1	1	1	39.77	52.47262863
5260	25/12/2020	4	4.5	4.5.2.4	2300056772	1026	76	31.9	31	7	15.2	4.6	217	69.9	32.22	75.95	1	1	1	1	1	43.73	57.57711651
5261	25/12/2020	4	4.5	4.5.2.4	2300057836	626	20	39	32	4.4	14.1	4	141	56.4	40.06	73.39	1	1	1	1	1	33.34	45.421027
5262	25/12/2020	4	4.5	4.5.2.4	2300056241	523	49	37	32	4.3	16.7	3.1	138	51.8	37.62	72.73	1	1	1	1	1	35.11	48.27183939
5263	25/12/2020	4	4.5	4.5.1.3	2300052676	620	41	30.2	31	2.09	16.3	1.4	65	22.8	35.22	73.35	1	1	1	1	1	38.13	51.98423427
5264	25/12/2020	4	4.5	4.5.1.3	2300052249	616	45	27.8	31	2.8	11.5	1.2	87	13.8	15.90	73.33	1	1	1	1	1	57.43	78.31860846
5265	25/12/2020	4	4.5	4.5.1.3	2300052899	607	33	42.2	32	2.07	15.5	1.5	66	23.3	35.10	73.27	1	1	1	1	1	38.17	52.09600867
5266	25/12/2020	4	4.5	4.5.1.3	2300052030	583	108	65	31	4.2	16.5	3.8	130	62.7	48.16	73.12	1	1	1	1	1	24.96	34.13768302
5267	25/12/2020	4	4.5	4.5.1.3	23000	587	105	55.6	31	4.2	20.2	3.7	130	74.7	57.40	73.14	1	1	1	1	0	15.74	21.51791584

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5268	25/12/2020	4	4.5	4.5.1.3	2300047930	578	128	61.6	30	4.1	21.6	3.73	123	80.6	65.50	73.09	1	1	0	0	0	7.58	10.37523462
5269	25/12/2020	4	4.5	4.5.1.3	23000	877	138	56.7	31	6.3	21.5	5.3	195	114.0	58.35	75.00	1	1	1	1	0	16.65	22.20390973
5270	25/12/2020	4	4.5	4.5.1.3	2300052928	882	137	55.3	31	5.5	21.3	5.3	171	112.9	66.21	75.03	1	1	0	0	0	8.82	11.75471447
5271	25/12/2020	4	4.5	4.5.1.3	2300052708	884	36	5.6	31	6.6	6.3	5.3	205	33.4	16.32	75.04	1	1	1	1	1	58.72	78.2531114
5272	25/12/2020	4	4.5	4.5.1.3	2300052768	880	94	40.7	31	6.3	18.1	4.5	195	81.5	41.71	75.02	1	1	1	1	1	33.31	44.40658359
5273	25/12/2020	4	4.5	4.5.1.3	2300052623	887	81	37.1	31	6.5	16.4	4.5	202	73.8	36.63	75.06	1	1	1	1	1	38.44	51.20710902
5274	25/12/2020	4	4.5	4.5.1.3	2300058157	894	110	46.5	31	6.7	18.6	5.2	208	96.7	46.57	75.11	1	1	1	1	1	28.54	37.99939796
5275	25/12/2020	4	4.5	4.5.1.3	2300052983	809	137	55.4	31	6.7	21	5.5	208	115.5	55.61	74.56	1	1	1	1	1	18.95	25.42064557
5276	25/12/2020	4	4.5	4.5.1.3	2300058099	895	89	43.7	31	6.4	17.5	5.05	198	88.4	44.54	75.11	1	1	1	1	1	30.57	40.69833745
5277	25/12/2020	4	4.5	4.5.1.3	2300058055	1001	20	18.2	30	2.1	21.2	2.6	63	55.1	87.49	75.79	1	1	1	0	0	-11.70	-15.43645998
5278	25/12/2020	4	4.5	4.5.1.3	2300058005	1004	20	17.6	30	2.4	18.4	1.6	72	29.4	40.89	75.81	1	1	1	1	1	34.92	46.0651287
5279	25/12/2020	4	4.5	4.5.1.3	2300058100	1045	18	16.5	30	2.5	18.5	2.2	75	40.7	54.27	76.07	1	1	1	1	1	21.81	28.66594807
5280	25/12/2020	4	4.5	4.5.1.3	2300058095	1054	46	24.6	30	4.1	10.1	2.3	123	23.2	18.89	76.13	1	1	1	1	1	57.25	75.19272042
5281	25/12/2020	4	4.5	4.5.1.3	2300055744	1034	49	19.8	30	6.7	6.3	6.6	201	41.6	20.69	76.00	1	1	1	1	1	55.32	72.78212195
5282	25/12/2020	4	4.5	4.5.1.3	2300052895	1032	22	26.9	30	6.7	16	1.3	201	20.8	10.35	75.99	1	1	1	1	1	65.64	86.38222166
5283	25/12/2020	4	4.5	4.5.1.3	23000	1034	12	20.8	30	2.5	15.5	0.9	75	14.0	18.60	76.00	1	1	1	1	1	57.40	75.52747501
5284	25/12/2020	4	4.5	4.5.1.4	2300055779	1013	22	27.7	30	2.2	16.2	1.2	66	19.4	29.45	75.87	1	1	1	1	1	46.41	61.17720306
5285	25/12/2020	4	4.5	4.5.1.4	2300055777	1019	15	26.8	30	2.4	16.5	2.4	72	39.6	55.00	75.91	1	1	1	1	1	20.91	27.54348708
5286	25/12/2020	4	4.5	4.5.1.4	2300055887	1035	19	26	30	2.2	15.5	1.2	66	18.6	28.18	76.01	1	1	1	1	1	47.83	62.92353877
5287	25/12/2020	4	4.5	4.5.1.4	2300055831	1033	87	39.6	30	6.8	17.1	4.8	204	82.1	40.24	76.00	1	1	1	1	1	35.76	47.05687299
5288	25/12/2020	4	4.5	4.5.1.4	2300055829	1035	44	28.7	30	3.1	15.4	2.4	93	37.0	39.74	76.01	1	1	1	1	1	36.27	47.71485925
5289	25/12/2020	4	4.5	4.5.1.4	2300055784	1020	133	44.8	30	7.4	21.3	5.9	222	125.7	56.61	75.91	1	1	1	1	1	19.31	25.43126682
5290	25/12/2020	4	4.5	4.5.1.4	2300055812	1023	17	22.22	30	2.5	15.1	1.1	75	16.6	22.15	75.93	1	1	1	1	1	53.79	70.83401376
5291	25/12/2020	4	4.5	4.5.1.4	2300055786	1042	128	51.3	30	2.5	19.7	6.2	75	122.1	162.85	76.05	1	1	1	1	1	-86.80	-114.1263054
5292	25/12/2020	4	4.5	4.5.1.4	2300055769	1041	138	55.3	30	7.3	21.2	6.2	219	131.4	60.02	76.05	1	1	1	1	0	16.03	21.0788592
5293	25/12/2020	4	4.5	4.5.1.4	2300055910	989	83	42.2	30	5.9	17.9	4.3	177	77.0	43.49	75.72	1	1	1	1	1	32.23	42.56682149
5294	25/12/2020	4	4.5	4.5.1.4	2300052968	993	49	30.4	30	3	17.1	2.4	90	41.0	45.60	75.74	1	1	1	1	1	30.14	39.79498608
5295	25/12/2020	4	4.5	4.5.1.4	2300052795	990	114	46	30	7.3	18.5	5.4	219	99.9	45.62	75.72	1	1	1	1	1	30.11	39.75801173
5296	25/12/2020	4	4.5	4.5.1.4	2300052793	992	91	38.2	30	7.1	16.9	4.99	213	84.3	39.59	75.73	1	1	1	1	1	36.14	47.7228186
5297	25/12/2020	4	4.5	4.5.1.4	2300052760	1090	72	31.8	30	6.9	15.3	6.4	207	97.9	47.30	76.36	1	1	1	1	1	29.06	38.05250278

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5298	25/12/2020	4	4.5	4.5.1.4	2300052794	989	46	26.4	30	3.4	16.9	2.6	102	43.9	43.08	75.72	1	1	1	1	1	32.64	43.10494618
5299	25/12/2020	4	4.5	4.5.1.4	2300052609	991	45	29.9	30	3.5	15.3	2.3	105	35.2	33.51	75.73	1	1	1	1	1	42.21	55.74409902
5300	25/12/2020	4	4.5	4.5.1.4	2300052688	998	101	41.7	30	7.2	17.7	5.2	216	92.0	42.61	75.77	1	1	1	1	1	33.16	43.76493125
5301	25/12/2020	4	4.5	4.5.1.4	2300052687	993	132	54.5	30	7.2	20.2	6.04	216	122.0	56.49	75.74	1	1	1	1	1	19.26	25.42343509
5302	25/12/2020	4	4.5	4.5.1.4	2300055808	988	88	38	30	6.9	13.5	6	207	81.0	39.13	75.71	1	1	1	1	1	36.58	48.314822
5303	25/12/2020	4	4.5	4.5.1.4	2300055790	987	89	37.3	30	6.3	16.5	4.4	189	72.6	38.41	75.70	1	1	1	1	1	37.29	49.25855
5304	25/12/2020	4	4.5	4.5.1.4	2300055802	992	76	33.8	30	6.7	15.8	5.9	201	93.2	46.38	75.73	1	1	1	1	1	29.36	38.76248508
5305	25/12/2020	4	4.5	4.5.1.4	2300055797	988	119	49.1	30	7.3	18.5	5.4	219	99.9	45.62	75.71	1	1	1	1	1	30.09	39.74782674
5306	25/12/2020	4	4.5	4.5.1.4	2300055785	1000	45	32.2	30	4.5	15.2	2.7	135	41.0	30.40	75.79	1	1	1	1	1	45.39	59.88705038
5307	25/12/2020	4	4.5	4.5.1.4	2300055795	989	137	54.1	30	7.2	19.8	6.08	216	120.4	55.73	75.72	1	1	1	1	1	19.98	26.39121484
5308	25/12/2020	4	4.5	4.5.1.2	2300052617	769	111	52.3	32	5.7	24.5	4.9	182	120.1	65.82	74.31	1	1	0	0	0	8.49	11.42644095
5309	25/12/2020	4	4.5	4.5.1.2	2300052417	806	135	65.5	32	5.4	23.3	4.5	173	104.9	60.68	74.54	1	1	1	0	0	13.87	18.60276113
5310	25/12/2020	4	4.5	4.5.1.2	2300055890	804	41	20.2	32	2.9	17.3	1.7	93	29.4	31.69	74.53	1	1	1	1	1	42.84	57.47869314
5311	25/12/2020	4	4.5	4.5.1.2	2300055885	801	20	20	20	2.2	16.2	1.6	44	25.9	58.91	74.51	1	1	1	1	0	15.60	20.94055364
5312	25/12/2020	4	4.5	4.5.1.2	2300058041	801	123	57.1	31	5.4	20.7	4.8	167	99.4	59.35	74.51	1	1	1	1	0	15.16	20.34233401
5313	25/12/2020	4	4.5	4.5.1.2	2300055730	807	97	66.6	31	5.5	15	5.2	171	78.0	45.75	74.55	1	1	1	1	1	28.80	38.6353995
5314	25/12/2020	4	4.5	4.5.1.2	2300055994	834	133	53.8	32	5.8	22.4	4.4	186	98.6	53.10	74.72	1	1	1	1	1	21.62	28.93349855
5315	25/12/2020	4	4.5	4.5.1.2	-	833	129	58.2	32	5.7	21.2	5	182	106.0	58.11	74.72	1	1	1	1	0	16.60	22.22134249
5316	25/12/2020	4	4.5	4.5.1.2	2300058098	851	68	42	32	5.9	15	5.3	189	79.5	42.11	74.83	1	1	1	1	1	32.72	43.73018793
5317	25/12/2020	4	4.5	4.5.1.2	2300055997	850	47	38	31	3.9	13.9	2.1	121	29.2	24.14	74.83	1	1	1	1	1	50.68	67.73324701
5318	25/12/2020	4	4.5	4.5.1.2	2300055870	948	135	67	30	6.5	21.4	5.3	195	113.4	58.16	75.45	1	1	1	1	0	17.29	22.91367024
5319	26/12/2020	4	4.5	4.5.1.2	2300056003	968	107	46.6	31	6.5	18.1	6.04	202	109.3	54.26	75.58	1	1	1	1	1	21.33	28.2161611
5320	26/12/2020	4	4.5	4.5.1.2	2300056012	934	90	40.1	31	6.4	17.2	4.7	198	80.8	40.75	75.36	1	1	1	1	1	34.62	45.93415423
5321	26/12/2020	4	4.5	4.5.1.2	2300058046	931	46	22.7	31	3.9	15	2.8	121	42.0	34.74	75.34	1	1	1	1	1	40.60	53.89245373
5322	26/12/2020	4	4.5	4.5.1.2	2300055983	934	111	49.2	31	5.8	23.4	3.6	180	84.2	46.85	75.36	1	1	1	1	1	28.51	37.8319801
5323	26/12/2020	4	4.5	4.5.1.2	2300055863	940	44	20.8	30	6.2	11.5	4.8	186	55.2	29.68	75.40	1	1	1	1	1	45.72	60.64107138
5324	26/12/2020	4	4.5	4.5.1.2	2300055998	976	117	47.3	30	7.1	18.4	5.8	213	106.7	50.10	75.63	1	1	1	1	1	25.53	33.75420272
5325	26/12/2020	4	4.5	4.5.1.2	2300057992	965	125	42.4	30	7	19.7	5.6	210	110.3	52.53	75.56	1	1	1	1	1	23.03	30.47651818
5326	26/12/2020	4	4.5	4.5.1.2	2300559755	968	124	42.3	30	6.5	19.4	5.8	195	112.5	57.70	75.58	1	1	1	1	0	17.88	23.65487171
5327	26/12/2020	4	4.5	4.5.1.2	2300055999	975	85	37.9	30	6.8	16.5	4.7	204	77.6	38.01	75.63	1	1	1	1	1	37.61	49.733285

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5328	26/12/2020	4	4.5	4.5.1.2	2300057991	974	128	63	30	7	21.8	6.3	210	137.3	65.40	75.62	1	1	0	0	0	10.22	13.51448566
5329	26/12/2020	4	4.5	4.5.1.2	2300053980	970	122	51.3	30	7.03	19	5.8	211	110.2	52.25	75.59	1	1	1	1	1	23.34	30.87777833
5330	26/12/2020	4	4.5	4.5.1.2	2300058056	968	41	38	30	3.8	11.3	2.3	114	26.0	22.80	75.58	1	1	1	1	1	52.78	69.83608938
5331	26/12/2020	4	4.5	4.5.1.2	2300058089	973	85	36.4	30	7.1	13.9	5.8	213	80.6	37.85	75.61	1	1	1	1	1	37.76	49.94291307
5332	26/12/2020	4	4.5	4.5.1.1	2300052977	981	128	24.2	30	3.3	22	2.2	99	48.4	48.89	75.66	1	1	1	1	1	26.78	35.38719809
5333	26/12/2020	4	4.5	4.5.1.1	2300054864	963	135	64.5	30	6.8	22.2	6.08	204	135.0	66.16	75.55	1	1	0	0	0	9.38	12.42169886
5334	26/12/2020	4	4.5	4.5.1.1	2300052927	965	123	52.8	30	7.03	21.7	5.8	211	125.9	59.68	75.56	1	1	1	1	0	15.88	21.02171421
5335	26/12/2020	4	4.5	4.5.1.1	2300051084	956	129	55	30	6.2	20.3	5.8	186	117.7	63.30	75.50	1	1	1	0	0	12.20	16.1624021
5336	26/12/2020	4	4.5	4.5.1.1	2300052750	945	73	34	31	6.7	13.1	5.6	208	73.4	35.32	75.43	1	1	1	1	1	40.11	53.17738244
5337	26/12/2020	4	4.5	4.5.1.1	2300052729	928	20	32.7	31	3.1	23.4	2.2	96	51.5	53.57	75.33	1	1	1	1	1	21.76	28.88276599
5338	26/12/2020	4	4.5	4.5.1.1	2300052666	945	13	26.2	31	1.4	15.9	0.7	43	11.1	25.65	75.43	1	1	1	1	1	49.79	66.00317988
5339	26/12/2020	4	4.5	4.5.1.1	2300052697	977	6	14	31	0.1	15.9	0.1	3	1.6	51.29	75.64	1	1	1	1	1	24.35	32.19045968
5340	26/12/2020	4	4.5	4.5.1.1	23000	941	110	62.5	30	6.5	15.9	6.2	195	98.6	50.55	75.41	1	1	1	1	1	24.85	32.95992734
5341	26/12/2020	4	4.5	4.5.1.1	2300058093	958	20	30.2	10	2	21.4	2.4	20	51.4	256.80	75.52	1	1	1	1	1	-181.28	-240.0549809
5342	26/12/2020	4	4.5	4.5.1.1	23000	958	10	21.4	10	1.4	18.2	1.3	14	23.7	169.00	75.52	1	1	1	1	1	-93.48	-123.790077
5343	26/12/2020	4	4.5	4.5.1.1	2300058020	950	137	56.1	30	7.03	21.3	5.8	211	123.5	58.58	75.47	1	1	1	1	0	16.89	22.37891912
5344	26/12/2020	4	4.5	4.5.1.1	2300052897	965	132	54.5	30	6.9	20.5	5.8	207	118.9	57.44	75.56	1	1	1	1	0	18.12	23.98346586
5345	26/12/2020	4	4.5	4.5.1.1	23000	952	120	50.6	31	6.7	19.7	5.4	208	106.4	51.22	75.48	1	1	1	1	1	24.26	32.14239888
5346	26/12/2020	4	4.5	4.5.1.1	2300052922	885	44	30	31	3	16.6	2.9	93	48.1	51.76	75.05	1	1	1	1	1	23.29	31.02806015
5347	26/12/2020	4	4.5	4.5.1.1	2300052631	882	49	29.9	32	3.1	15.6	2.2	99	34.3	34.60	75.03	1	1	1	1	1	40.43	53.88990362
5348	26/12/2020	4	4.5	4.5.1.1	2300052863	889	45	30.4	32	3.4	20.3	2.9	109	58.9	54.11	75.08	1	1	1	1	1	20.97	27.92804069
5349	26/12/2020	4	4.5	4.5.1.1	23000	886	134	45.5	31	6.4	21.6	5.2	198	112.3	56.61	75.06	1	1	1	1	0	18.44	24.57285025
5350	26/12/2020	4	4.5	4.5.1.1	2300052041	882	44	27.5	31	3.9	16.3	2.1	121	34.2	28.31	75.03	1	1	1	1	1	46.72	62.26528961
5351	26/12/2020	4	4.5	4.5.1.1	23000	901	78	35.4	31	6.4	20.3	4.4	198	89.3	45.02	75.15	1	1	1	1	1	30.13	40.09484555
5352	26/12/2020	4	4.5	4.5.3.1	2300053980	915	128	55.5	32	6.3	16.5	5.5	202	90.8	45.01	75.24	1	1	1	1	1	30.23	40.17319987
5353	26/12/2020	4	4.5	4.5.3.1	2300054110	924	34	24.1	32	3.4	16.5	1.6	109	26.4	24.26	75.30	1	1	1	1	1	51.03	67.77578383
5354	26/12/2020	4	4.5	4.5.3.1	2300053314	907	31	27.5	30	3.2	16.1	1.8	96	29.0	30.19	75.19	1	1	1	1	1	45.00	59.85213617
5355	26/12/2020	4	4.5	4.5.3.1	23000	899	25	23.8	30	3.5	15.8	1.7	105	26.9	25.58	75.14	1	1	1	1	1	49.56	65.95543178
5356	26/12/2020	4	4.5	4.5.3.1	2300055754	914	41	24.3	31	2.4	16.9	1.1	74	18.6	24.99	75.24	1	1	1	1	1	50.25	66.7889149
5357	26/12/2020	4	4.5	4.5.3.1	2300057028	912	20	18.2	32	1.4	10.2	1.2	45	12.2	27.32	75.22	1	1	1	1	1	47.90	63.67932519

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5358	26/12/2020	4	4.5	4.5.3.1	2300057051	917	17	26.6	31	2.02	16.4	0.4	63	6.6	10.48	75.25	1	1	1	1	1	64.78	86.07944437
5359	26/12/2020	4	4.5	4.5.3.1	2300055753	825	7	26.4	32	0.7	16.4	0.4	22	6.6	29.29	74.67	1	1	1	1	1	45.38	60.77771103
5360	26/12/2020	4	4.5	4.5.3.1	2300055770	834	15	19.9	31	1.5	18.8	0.5	47	9.4	20.22	74.72	1	1	1	1	1	54.51	72.94689527
5361	26/12/2020	4	4.5	4.5.3.1	2300055936	831	93	47.6	31	5.9	15	4.9	183	73.5	40.19	74.70	1	1	1	1	1	34.52	46.20679112
5362	26/12/2020	4	4.5	4.5.3.1	2300056206	846	137	58.2	32	6.9	21.1	5.4	221	113.9	51.60	74.80	1	1	1	1	1	23.20	31.01205225
5363	26/12/2020	4	4.5	4.5.3.1	2300056050	851	14.5	49.5	31	6.9	22	5.3	214	116.6	54.51	74.83	1	1	1	1	1	20.32	27.15527773
5364	26/12/2020	4	4.5	4.5.3.1	2300055965	854	113	50.9	30	6	19.3	5.09	180	98.2	54.58	74.85	1	1	1	1	1	20.28	27.08758248
5365	26/12/2020	4	4.5	4.5.3.1	230005429	857	12	25.8	31	1.2	16.6	0.6	37	10.0	26.77	74.87	1	1	1	1	1	48.10	64.2394718
5366	26/12/2020	4	4.5	4.5.3.1	2300056041	868	29	26.6	31	3.1	15.9	1.6	96	25.4	26.47	74.94	1	1	1	1	1	48.47	64.6757397
5367	26/12/2020	4	4.5	4.5.3.1	2300055964	864	48	30.8	32	5.9	15.2	3.8	189	57.8	30.59	74.92	1	1	1	1	1	44.32	59.16308441
5368	26/12/2020	4	4.5	4.5.3.1	2300056009	871	132	57.1	31	5.9	21.8	4.8	183	104.6	57.21	74.96	1	1	1	1	0	17.75	23.67758038
5369	26/12/2020	4	4.5	4.5.3.1	2300055906	851	28	27.7	31	2.9	15.9	1.6	90	25.4	28.30	74.83	1	1	1	1	1	46.53	62.18468336
5370	26/12/2020	4	4.5	4.5.3.1	2300056055	872	17	24.1	31	1.7	16	0.8	53	12.8	24.29	74.97	1	1	1	1	1	50.68	67.60109135
5371	26/12/2020	4	4.5	4.5.3.1	2300056038	871	113	49	31	6.2	19.3	5.1	192	98.4	51.21	74.96	1	1	1	1	1	23.75	31.68088901
5372	26/12/2020	4	4.5	4.5.3.1	2300055969	975	48	29.9	30	4.6	16.7	2.6	138	43.4	31.46	75.63	1	1	1	1	1	44.16	58.39556751
5373	26/12/2020	4	4.5	4.5.3.1	2300056047	971	12	22.6	30	1.8	16.3	0.8	54	13.0	24.15	75.60	1	1	1	1	1	51.45	68.0581741
5374	26/12/2020	4	4.5	4.5.3.1	2300058040	945	29	21.2	30	4.3	10.1	2.8	129	28.3	21.92	75.43	1	1	1	1	1	53.51	70.93819681
5375	26/12/2020	4	4.5	4.5.3.1	2300058039	933	25	21.1	30	3.9	10.1	2.5	117	25.3	21.58	75.36	1	1	1	1	1	53.78	71.36146701
5376	26/12/2020	4	4.5	4.5.3.2	2300056440	970	22	26.2	30	2.4	15	1.3	72	19.5	27.08	75.59	1	1	1	1	1	48.51	64.17264157
5377	26/12/2020	4	4.5	4.5.3.2	2300057107	989	14.3	57.2	30	7.1	21.8	5.8	213	126.4	59.36	75.72	1	1	1	1	0	16.35	21.59937668
5378	26/12/2020	4	4.5	4.5.3.2	23000	972	23	26.7	30	2.5	15.9	1.3	75	20.7	27.56	75.61	1	1	1	1	1	48.05	63.54825227
5379	26/12/2020	4	4.5	4.5.3.2	2300057925	973	17	18	30	3.8	15	1.5	114	22.5	19.74	75.61	1	1	1	1	1	55.88	73.89762356
5380	26/12/2020	4	4.5	4.5.3.2	2300054238	973	25	21.9	30	1.8	15.7	0.8	54	12.6	23.26	75.61	1	1	1	1	1	52.35	69.23915499
5381	26/12/2020	4	4.5	4.5.3.2	2300058060	976	18	26.7	30	2	15.6	1	60	15.6	26.00	75.63	1	1	1	1	1	49.63	65.62319852
5382	26/12/2020	4	4.5	4.5.3.2	2300054134	968	12	23.5	30	1.6	16	0.7	48	11.2	23.33	75.58	1	1	1	1	1	52.25	69.12812534
5383	26/12/2020	4	4.5	4.5.3.2	2300054471	967	17	20.8	30	2.1	15.2	0.7	63	10.6	16.89	75.57	1	1	1	1	1	58.69	77.6527508
5384	26/12/2020	4	4.5	4.5.3.2	2300056364	962	23	26.7	30	3.5	15.8	1.3	105	20.5	19.56	75.54	1	1	1	1	1	55.98	74.10487199
5385	26/12/2020	4	4.5	4.5.3.2	2300057458	984	17	19.3	30	1.6	16	6.1	48	97.6	203.33	75.68	1	1	1	1	1	-127.65	-168.6623434
5386	26/12/2020	4	4.5	4.5.3.2	2300058659	977	6.3	26.5	30	0.6	16.2	0.3	18	4.9	27.00	75.64	1	1	1	1	1	48.64	64.30403444
5387	26/12/2020	4	4.5	4.5.3.2	2300056639	974	14	27	30	1.5	15.7	0.8	45	12.6	27.91	75.62	1	1	1	1	1	47.71	63.09011009

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5388	26/12/2020	4	4.5	4.5.3.2	2300056658	972	17	24.2	30	1.7	15.8	0.8	51	12.6	24.78	75.61	1	1	1	1	1	50.82	67.21946475
5389	26/12/2020	4	4.5	4.5.3.2	2300054433	966	70	32.8	30	6.5	12.4	5.4	195	67.0	34.34	75.57	1	1	1	1	1	41.23	54.55976104
5390	26/12/2020	4	4.5	4.5.3.2	2300055783	970	116	48.8	30	6.8	18.6	5.8	204	107.9	52.88	75.59	1	1	1	1	1	22.71	30.04424565
5391	26/12/2020	4	4.5	4.5.3.2	2300057483	971	14.3	59.3	30	6.8	21.4	5.5	204	117.7	57.70	75.60	1	1	1	1	0	17.90	23.68283973
5392	26/12/2020	4	4.5	4.5.3.2	2300055755	643	20	25.7	32	2	16.3	1.03	64	16.8	26.23	73.50	1	1	1	1	1	47.27	64.30968134
5393	26/12/2020	4	4.5	4.5.3.2	2300057476	644	19	24.5	32	2.1	15.8	1.2	67	19.0	28.21	73.51	1	1	1	1	1	45.29	61.61718555
5394	26/12/2020	4	4.5	4.5.3.2	2300057056	639	32	17.3	32	3.1	10.6	1.6	99	17.0	17.10	73.48	1	1	1	1	1	56.38	76.73135817
5395	26/12/2020	4	4.5	4.5.3.2	2300057667	657	11	36	32	4.4	23.4	3.8	141	88.9	63.15	73.59	1	1	0	0	0	10.44	14.18301052
5396	26/12/2020	4	4.5	4.5.3.2	2300055690	614	32	21.6	31	3.1	15.6	1.3	96	20.3	21.10	73.32	1	1	1	1	1	52.21	71.21619725
5397	26/12/2020	4	4.5	4.5.3.2	2300055645	618	42	34	31	4.3	12.9	3.62	133	46.7	35.03	73.34	1	1	1	1	1	38.31	52.23386301
5398	26/12/2020	4	4.5	4.5.3.2	23000	614	23.7	40	30	4.4	14.5	3.9	132	56.6	42.84	73.32	1	1	1	1	1	30.47	41.56644822
5399	26/12/2020	4	4.5	4.5.3.2	23000	614	24	30.6	31	4.03	15.4	2.5	125	38.5	30.82	73.32	1	1	1	1	1	42.50	57.96630231
5400	26/12/2020	4	4.5	4.5.3.3	2300053058	611	39	35.2	32	4.1	16.1	2.8	131	45.1	34.36	73.30	1	1	1	1	1	38.94	53.12217776
5401	26/12/2020	4	4.5	4.5.3.3	2300057651	610	133	59.7	30	4.3	21.9	3.7	129	81.0	62.81	73.29	1	1	0	0	0	10.48	14.2939644
5402	26/12/2020	4	4.5	4.5.3.3	2300054168	603	6	36.7	31	4.3	13.7	3.7	133	50.7	38.03	73.25	1	1	1	1	1	35.22	48.08259551
5403	26/12/2020	4	4.5	4.5.3.3	2300053998	603	49	32.8	31	3.2	17.8	2.3	99	40.9	41.27	73.25	1	1	1	1	1	31.98	43.65479063
5404	26/12/2020	4	4.5	4.5.3.3	2300057030	605	32	42	31	4.3	15.2	3.8	133	57.8	43.33	73.26	1	1	1	1	1	29.93	40.85173946
5405	26/12/2020	4	4.5	4.5.3.3	2300057032	603	94	51.5	31	4.2	19.4	3.5	130	67.9	52.15	73.25	1	1	1	1	1	21.09	28.80006112
5406	26/12/2020	4	4.5	4.5.3.3	2300057049	600	48	35.3	32	3.1	16	2.7	99	43.2	43.55	73.23	1	1	1	1	1	29.68	40.52879155
5407	26/12/2020	4	4.5	4.5.3.3	2300057023	592	44	36.6	31	3.9	16.7	2.7	121	45.1	37.30	73.17	1	1	1	1	1	35.88	49.03261046
5408	26/12/2020	4	4.5	4.5.3.3	2300056203	559	14	26.4	31	1.3	16.2	0.7	40	11.3	28.14	72.96	1	1	1	1	1	44.82	61.4342524
5409	26/12/2020	4	4.5	4.5.3.3	2300057027	562	8	25	32	1.7	15.5	0.9	54	14.0	25.64	72.98	1	1	1	1	1	47.34	64.8638003
5410	26/12/2020	4	4.5	4.5.3.3	2300056208	566	25	26.9	32	2	16.6	1	64	16.6	25.94	73.01	1	1	1	1	1	47.07	64.47326609
5411	26/12/2020	4	4.5	4.5.3.3	2300056696	961	17	27	30	1.8	15.3	1.04	54	15.9	29.47	75.54	1	1	1	1	1	46.07	60.99010985
5412	26/12/2020	4	4.5	4.5.3.3	2300056157	975	20	24.4	30	2.4	15.4	1.2	72	18.5	25.67	75.63	1	1	1	1	1	49.96	66.06105484
5413	26/12/2020	4	4.5	4.5.3.3	2300056200	966	16	24.4	31	2.3	15.6	1.1	71	17.2	24.07	75.57	1	1	1	1	1	51.50	68.15160679
5414	26/12/2020	4	4.5	4.5.3.3	2300055966	968	17	24.8	31	2	15.2	1.05	62	16.0	25.74	75.58	1	1	1	1	1	49.84	65.94135118
5415	26/12/2020	4	4.5	4.5.3.3	2300055963	971	14	26.7	30	1.5	15.7	0.8	45	12.6	27.91	75.60	1	1	1	1	1	47.69	63.0807362
5416	26/12/2020	4	4.5	4.5.3.3	2300056056	964	15	26.3	31	1.7	15.9	0.8	53	12.7	24.14	75.56	1	1	1	1	1	51.42	68.05448916
5417	26/12/2020	4	4.5	4.5.3.3	2300056057	962	23	24.2	31	2.3	15.8	1.1	71	17.4	24.38	75.54	1	1	1	1	1	51.17	67.73236288

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5418	26/12/2020	4	4.5	4.5.3.3	2300056052	971	21	25.9	31	2.3	14.9	1.3	71	19.4	27.17	75.60	1	1	1	1	1	48.43	64.06513666
5419	26/12/2020	4	4.5	4.5.3.3	2300056008	974	13	25.9	31	1.5	15.9	0.7	47	11.1	23.94	75.62	1	1	1	1	1	51.68	68.34751325
5420	26/12/2020	4	4.5	4.5.3.3	2300056046	964	42	32	30	6.8	24.4	2.7	204	65.9	32.29	75.56	1	1	1	1	1	43.26	57.25781061
5421	26/12/2020	4	4.5	4.5.3.3	2300056040	983	82	34.3	30	6.7	23	5.8	201	133.4	66.37	75.68	1	1	0	0	0	9.31	12.3009847
5422	26/12/2020	4	4.5	4.5.3.3	2300055970	971	16	27.5	30	1.4	13.4	0.9	42	12.1	28.71	75.60	1	1	1	1	1	46.89	62.01834155
5423	26/12/2020	4	4.5	4.5.3.3	2300055920	981	84	36	30	6.9	21.7	5.8	207	125.9	60.80	75.66	1	1	1	0	0	14.86	19.64261612
5424	26/12/2020	4	4.6	4.6.2.1	2300057606	978	127	52.1	30	7.1	19.5	5.7	213	111.2	52.18	75.65	1	1	1	1	1	23.46	31.01598173
5425	26/12/2020	4	4.6	4.6.2.1	2300056516	971	135	57.8	30	6.6	21.7	5.5	198	119.4	60.28	75.60	1	1	1	1	0	15.32	20.26791157
5426	26/12/2020	4	4.6	4.6.2.1	23000	970	22.3	19.5	30	4.1	8.8	2.8	123	24.6	20.03	75.59	1	1	1	1	1	55.56	73.49985406
5427	26/12/2020	4	4.6	4.6.2.1	2300056602	854	40	33.2	32	3.3	12.1	2.1	106	25.4	24.06	74.85	1	1	1	1	1	50.79	67.85305859
5428	26/12/2020	4	4.6	4.6.1.3	NA	515	25	17.3	31	2.8	24.3	1.5	87	36.5	41.99	72.68	1	1	1	1	1	30.69	42.22353876
5429	26/12/2020	4	4.6	4.6.2.1	2300056444	841	131	35.5	32	6.74	21.7	6.1	216	132.4	61.37	74.77	1	1	1	0	0	13.40	17.91541499
5430	26/12/2020	4	4.6	4.6.2.1	2300057648	843	75	42.8	31	6.6	18.3	5.5	205	100.7	49.19	74.78	1	1	1	1	1	25.59	34.21669031
5431	26/12/2020	4	4.6	4.6.2.1	2300057645	910	104	55.9	31	6.4	20.7	4.8	198	99.4	50.08	75.21	1	1	1	1	1	25.13	33.41225215
5432	26/12/2020	4	4.6	4.6.2.1	2300057645	918	138	57	31	6.8	21.1	5.8	211	122.4	58.06	75.26	1	1	1	1	0	17.21	22.86194153
5433	26/12/2020	4	4.6	4.6.2.1	2300057652	579	129	62.9	31	4.1	22.9	3.6	127	82.4	64.86	73.09	1	1	0	0	0	8.23	11.25886813
5434	26/12/2020	4	4.6	4.6.2.1	230057674	893	137	48.5	31	6.5	23.3	5.4	202	125.8	62.44	75.10	1	1	1	0	0	12.66	16.85660503
5435	26/12/2020	4	4.6	4.6.2.1	23000	598	121	59.8	31	6.7	23.7	5.3	208	125.6	60.48	73.21	1	1	1	0	0	12.74	17.39652274
5436	26/12/2020	4	4.6	4.6.2.1	23000	924	81	36.4	30	0.8	13.4	5.9	24	79.1	329.42	75.30	1	1	1	1	1	-254.12	-337.4746568
5437	26/12/2020	4	4.6	4.6.2.1	2300057062	931	20	21.4	20	2.8	2.4	2.5	56	6.0	10.71	75.34	1	1	1	1	1	64.63	85.77958586
5438	26/12/2020	4	4.6	4.6.2.1	2300056974	911	12	53	31	2.5	26.1	1.6	78	41.8	53.88	75.22	1	1	1	1	1	21.33	28.36153955
5439	26/12/2020	4	4.6	4.6.2.1	2300057088	962	126	49.7	31	6.3	19.7	5.04	195	99.3	50.84	75.54	1	1	1	1	1	24.70	32.70211102
5440	26/12/2020	4	4.6	4.6.2.1	2300056718	942	138	44	31	4.04	20.6	5.96	125	122.8	98.03	75.41	1	1	1	1	1	-22.62	-29.99116546
5441	26/12/2020	4	4.6	4.6.2.1	23000	952	22	18.9	32	6.2	6.3	6.1	198	38.4	19.37	75.48	1	1	1	1	1	56.11	74.3372183
5442	26/12/2020	4	4.6	4.6.2.1	2300057086	916	138	56.5	30	6.6	20.6	6.1	198	125.7	63.46	75.25	1	1	1	0	0	11.78	15.6598061
5443	26/12/2020	4	4.6	4.6.2.1	23000	938	28	26.4	30	3.02	16.7	1.5	91	25.1	27.65	75.39	1	1	1	1	1	47.74	63.32497676
5444	26/12/2020	4	4.6	4.6.2.1	2300056496	945	32	27.8	31	3.3	15.3	1.9	102	29.1	28.42	75.43	1	1	1	1	1	47.02	62.32942402
5445	26/12/2020	4	4.6	4.6.2.1	2300058514	951	132	52.3	31	7.1	19.7	6.01	220	118.4	53.79	75.47	1	1	1	1	1	21.68	28.72577644
5446	26/12/2020	4	4.6	4.6.2.1	2300057044	958	16	35.7	31	1.6	16.5	0.5	50	8.3	16.63	75.52	1	1	1	1	1	58.88	77.97446871
5447	26/12/2020	4	4.6	4.6.2.1	23000	964	95	40	30	7.07	1.55	6.2	212	9.6	4.53	75.56	1	1	1	1	1	71.02	94.00324839

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5448	26/12/2020	4	4.6	4.6.2.1	2300057609	945	131	53.1	30	7.1	19.9	6.01	213	119.6	56.15	75.43	1	1	1	1	1	19.28	25.56438044
5449	26/12/2020	4	4.6	4.6.1.4	2300055415	974	48	29.4	30	2.1	11.8	1.6	63	18.9	29.97	75.62	1	1	1	1	1	45.65	60.36972694
5450	26/12/2020	4	4.6	4.6.1.4	2300055472	945	58	62.4	31	7.09	22.2	6.1	220	135.4	61.61	75.43	1	1	1	0	0	13.82	18.32150197
5451	26/12/2020	4	4.6	4.6.1.4	2300055365	971	132	53.4	30	7.4	19.9	5.9	222	117.4	52.89	75.60	1	1	1	1	1	22.71	30.04350852
5452	26/12/2020	4	4.6	4.6.1.4	2300055428	914	23	25.8	32	2.7	16.6	1.3	86	21.6	24.98	75.24	1	1	1	1	1	50.26	66.80181742
5453	26/12/2020	4	4.6	4.6.1.4	2300055465	941	45	25.4	31	3.1	13.5	1.6	96	21.6	22.48	75.41	1	1	1	1	1	52.93	70.19352368
5454	26/12/2020	4	4.6	4.6.1.4	2300055413	944	12	21.9	31	1.8	15.4	0.8	56	12.3	22.08	75.43	1	1	1	1	1	53.35	70.72841633
5455	26/12/2020	4	4.6	4.6.1.4	2300055466	948	75	32.6	32	7.1	12.6	5.7	227	71.8	31.61	75.45	1	1	1	1	1	43.84	58.10526857
5456	26/12/2020	4	4.6	4.6.1.4	2300054648	944	137	55.1	31	7.1	20.1	6.05	220	121.6	55.25	75.43	1	1	1	1	1	20.18	26.75110117
5457	26/12/2020	4	4.6	4.6.1.4	2300055427	932	49	26.9	30	6.6	11.1	5.06	198	56.2	28.37	75.35	1	1	1	1	1	46.98	62.35386132
5458	26/12/2020	4	4.6	4.6.1.4	2300055467	924	136	54.9	31	6.9	20.2	5.5	214	111.1	51.94	75.30	1	1	1	1	1	23.36	31.02199885
5459	26/12/2020	4	4.6	4.6.1.4	2300055430	952	44	29.6	30	2.8	11.9	1.3	84	15.5	18.42	75.48	1	1	1	1	1	57.06	75.60021269
5460	26/12/2020	4	4.6	4.6.1.4	2300055403	968	15	30.1	31	3.1	24	1.4	96	33.6	34.96	75.58	1	1	1	1	1	40.62	53.74037511
5461	26/12/2020	4	4.6	4.6.1.4	2300055405	974	24	27.7	30	2.6	15.1	6.2	78	93.6	120.03	75.62	1	1	1	1	1	-44.41	-58.72292504
5462	26/12/2020	4	4.6	4.6.1.4	2300055452	972	16	23.8	31	1.9	14.6	6.2	59	90.5	153.68	75.61	1	1	1	1	1	-78.08	-103.2677094
5463	26/12/2020	4	4.6	4.6.1.4	2300055471	968	20	20.4	31	2.4	20.2	2.5	74	50.5	67.88	75.58	1	1	0	0	0	7.70	10.1941434
5464	26/12/2020	4	4.6	4.6.1.4	2300055470	971	136	55.2	31	7	21	5.8	217	121.8	56.13	75.60	1	1	1	1	1	19.47	25.75564116
5465	26/12/2020	4	4.6	4.6.1.4	2300056617	970	17	23.1	30	2.3	16.8	1.06	69	17.8	25.81	75.59	1	1	1	1	1	49.79	65.85880407
5466	26/12/2020	4	4.6	4.6.1.4	2300056643	971	17	27.3	30	1.9	15.1	5.7	57	86.1	151.00	75.60	1	1	1	1	1	-75.40	-99.73439294
5467	26/12/2020	4	4.6	4.6.1.4	2300055417	948	135	56.2	30	6.9	21.2	1.3	207	27.6	13.31	75.45	1	1	1	1	1	62.14	82.35461231
5468	26/12/2020	4	4.6	4.6.1.4	2300056403	961	22	24	31	2.7	14.7	6.3	84	92.6	110.65	75.54	1	1	1	1	1	-35.11	-46.47926204
5469	26/12/2020	4	4.6	4.6.1.4	2300056647	968	82	35.8	31	6.8	13.5	5.4	211	72.9	34.58	75.58	1	1	1	1	1	41.00	54.24451756
5470	26/12/2020	4	4.6	4.6.1.4	2300056391	965	13	26	30	1.5	15.3	0.8	45	12.2	27.20	75.56	1	1	1	1	1	48.36	64.00307033
5471	26/12/2020	4	4.6	4.6.1.4	2300056416	960	30	19	30	1.4	9.7	0.8	42	7.8	18.48	75.53	1	1	1	1	1	57.05	75.53794456
5472	26/12/2020	4	4.6	4.6.1.4	2300056626	955	14	19	30	1.5	9.8	2.1	45	20.6	45.73	75.50	1	1	1	1	1	29.76	39.42444391
5473	26/12/2020	4	4.6	4.6.1.3	2300055198	973	17	26	30	1.9	1.56	1	57	1.6	2.74	75.61	1	1	1	1	1	72.88	96.38047047
5474	26/12/2020	4	4.6	4.6.1.3	2300055495	628	43	27.1	32	4.3	10	3.2	138	32.0	23.26	73.41	1	1	1	1	1	50.15	68.31857422
5475	26/12/2020	4	4.6	4.6.1.3	2300056656	588	12	25.5	32	3.8	15.1	2.8	122	42.3	34.77	73.15	1	1	1	1	1	38.38	52.46737238
5476	26/12/2020	4	4.6	4.6.1.3	2300057436	598	19	20.4	32	2.6	1.7	2.3	83	3.9	4.70	73.21	1	1	1	1	1	68.51	93.58104928
5477	26/12/2020	4	4.6	4.6.1.3	2300056801	561	34	37.1	31	3.6	16.3	1.4	112	22.8	20.45	72.98	1	1	1	1	1	52.53	71.97994328

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5478	26/12/2020	4	4.6	4.6.1.3	2300057492	577	20	20.1	31	1.2	15.2	4.03	37	61.3	164.67	73.08	1	1	1	1	1	-91.59	-125.327546
5479	26/12/2020	4	4.6	4.6.1.3	2300055409	621	11	26.7	31	1.6	15.6	3.7	50	57.7	116.37	73.36	1	1	1	1	1	-43.01	-58.62913471
5480	26/12/2020	4	4.6	4.6.1.3	2300057680	601	26	24.9	31	2.2	17	1.05	68	17.9	26.17	73.23	1	1	1	1	1	47.06	64.26032668
5481	26/12/2020	4	4.6	4.6.1.3	2300055490	599	20	26.6	31	1.8	16.2	0.9	56	14.6	26.13	73.22	1	1	1	1	1	47.09	64.31415597
5482	26/12/2020	4	4.6	4.6.1.3	2300057486	574	17	23.2	31	1.4	23.3	0.4	43	9.3	21.47	73.06	1	1	1	1	1	51.58	70.60666308
5483	26/12/2020	4	4.6	4.6.1.3	2300055498	577	29	3.6	32	1.5	16.2	2.2	48	35.6	74.25	73.08	0	0	0	0	0	-1.17	-1.602653574
5484	26/12/2020	4	4.6	4.6.1.3	2300055505	564	22	24	31	1.8	16.1	0.7	56	11.3	20.20	73.00	1	1	1	1	1	52.80	72.33102733
5485	26/12/2020	4	4.6	4.6.1.3	2300055501	561	14	27.3	31	1.5	15.9	1.04	47	16.5	35.56	72.98	1	1	1	1	1	37.42	5127014991
5486	26/12/2020	4	4.6	4.6.1.3	2300057543	560	7	25.6	31	1.2	15.7	0.5	37	7.9	21.10	72.97	1	1	1	1	1	51.87	71.08105997
5487	26/12/2020	4	4.6	4.6.1.3	2300057553	558	23	26	31	2.8	16.2	1.6	87	25.9	29.86	72.96	1	1	1	1	1	43.10	59.06949396
5488	26/12/2020	4	4.6	4.6.1.3	2300056627	564	19	25	31	2.8	15.6	1.4	87	21.8	25.16	73.00	1	1	1	1	1	47.83	65.53040139
5489	26/12/2020	4	4.6	4.6.1.3	2300055367	724	20	26.1	30	2.4	21.4	2.1	72	44.9	62.42	74.02	1	1	1	0	0	11.60	15.67548775
5490	26/12/2020	4	4.6	4.6.1.3	2300055531	715	26	58.2	2.2	5.6	2.03	2.27	12	4.6	37.40	73.96	1	1	1	1	1	36.56	49.42888363
5491	26/12/2020	4	4.6	4.6.1.3	2300055508	714	48	51.4	5.2	4.8	14.2	3.72	25	52.8	211.63	73.96	1	1	1	1	1	-137.68	-186.1644221
5492	26/12/2020	4	4.6	4.6.1.3	2300055509	710	16	21.7	32	1.4	15.9	0.6	45	9.5	21.29	73.93	1	1	1	1	1	52.64	71.19620877
5493	26/12/2020	4	4.6	4.6.1.3	2300055138	701	46	44.1	32	3	15.8	2.5	96	39.5	41.15	73.87	1	1	1	1	1	32.73	44.30148021
5494	26/12/2020	4	4.6	4.6.1.2	2300056976	703	29	28.3	32	2.7	15.8	1.7	86	26.9	31.09	73.89	1	1	1	1	1	42.80	57.92396452
5495	26/12/2020	4	4.6	4.6.1.2	2300057058	705	33	27.8	32	5.1	16.7	1.4	163	23.4	14.33	73.90	1	1	1	1	1	59.57	80.61384558
5496	26/12/2020	4	4.6	4.6.1.2	2300056671	712	31	17.7	32	5.01	16.6	0.8	160	13.3	8.28	73.94	1	1	1	1	1	65.66	88.79751222
5497	26/12/2020	4	4.6	4.6.1.2	23000	696	138	28.2	31	1.8	21.7	4.16	56	90.3	161.78	73.84	1	1	1	1	1	-87.94	-119.0911449
5498	26/12/2020	4	4.6	4.6.1.2	2300057035	698	11	28.2	31	5.06	10.6	1.02	157	10.8	6.89	73.85	1	1	1	1	1	66.96	90.66693031
5499	26/12/2020	4	4.6	4.6.1.2	2300057017	685	71	41.4	32	4.8	17	3.9	154	66.3	43.16	73.77	1	1	1	1	1	30.61	41.4883252
5500	26/12/2020	4	4.6	4.6.1.2	2300057034	691	46	33	32	4.9	16.4	3.1	157	50.8	32.42	73.81	1	1	1	1	1	41.38	56.07075971
5501	26/12/2020	4	4.6	4.6.1.2	2300057477	674	80	56.8	21	5.07	14	4.4	106	61.6	57.86	73.70	1	1	1	1	0	15.84	21.49662516
5502	26/12/2020	4	4.6	4.6.1.2	2300057578	659	49	34.7	30	2.7	15.7	1.3	81	20.4	25.20	73.60	1	1	1	1	1	48.41	65.76589886
5503	26/12/2020	4	4.6	4.6.1.2	2300057677	951	120	48.2	32	6.9	19.3	5.6	221	108.1	48.95	75.47	1	1	1	1	1	26.52	35.14281332
5504	26/12/2020	4	4.6	4.6.1.2	2300057628	954	135	55.2	32	6.8	21	5.8	218	121.8	55.97	75.49	1	1	1	1	1	19.52	25.85365166
5505	26/12/2020	4	4.6	4.6.1.2	2300057043	944	38	28.8	32	3.7	16.4	2.1	118	34.4	29.09	75.43	1	1	1	1	1	46.34	61.43608197
5506	26/12/2020	4	4.6	4.6.1.2	2300056641	941	29	28.6	32	2.8	16.1	1.6	90	25.8	28.75	75.41	1	1	1	1	1	46.66	61.87427395
5507	26/12/2020	4	4.6	4.6.1.2	2300057630	961	17	23	31	2.2	15.6	1.01	68	15.8	23.10	75.54	1	1	1	1	1	52.43	69.41522326

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5508	26/12/2020	4	4.6	4.6.1.2	2300057462	965	127	52.5	31	6.8	21.1	5.3	211	111.8	53.05	75.56	1	1	1	1	1	22.51	29.79237629
5509	26/12/2020	4	4.6	4.6.1.2	2300056648	956	123	51.1	31	6.7	19.8	5.5	208	108.9	52.43	75.50	1	1	1	1	1	23.07	30.55849536
5510	26/12/2020	4	4.6	4.6.1.2	2300056622	951	9	26.5	32	1.05	16.2	0.5	34	8.1	24.11	75.47	1	1	1	1	1	51.37	68.05833277
5511	26/12/2020	4	4.6	4.6.1.2	2300056632	941	130	48.4	32	6.5	20.7	5.4	208	111.8	53.74	75.41	1	1	1	1	1	21.67	28.73421977
5512	26/12/2020	4	4.6	4.6.1.2	2300056598	920	92	38.4	32	6.7	21.6	3.2	214	69.1	32.24	75.27	1	1	1	1	1	43.04	57.17139255
5513	26/12/2020	4	4.6	4.6.1.2	2300056603	908	119	49.8	32	6.5	19.4	5.4	208	104.8	50.37	75.20	1	1	1	1	1	24.83	33.02226065
5514	26/12/2020	4	4.6	4.6.1.2	23000	958	25	24.7	32	2.9	15.8	1.4	93	22.1	23.84	75.52	1	1	1	1	1	51.68	68.43605576
5515	26/12/2020	4	4.6	4.6.1.2	2300056491	961	104	43.2	28	7.03	18.4	4.04	197	74.3	37.76	75.54	1	1	1	1	1	37.77	50.00465739
5516	26/12/2020	4	4.6	4.6.1.2	2300056450	961	13	19	31	1.4	16.3	0.5	43	8.2	18.78	75.54	1	1	1	1	1	56.76	75.13940055
5517	26/12/2020	4	4.6	4.6.1.1	2300055464	969	19	23.6	31	2.2	15.3	1.1	68	16.8	24.68	75.59	1	1	1	1	1	50.91	67.35255603
5518	26/12/2020	4	4.6	4.6.1.1	2300057019	905	27	29.3	31	2.7	15.5	1.6	84	24.8	29.63	75.18	1	1	1	1	1	45.55	60.58736648
5519	26/12/2020	4	4.6	4.6.1.1	2300057016	751	48	27.2	32	3.7	21.5	1.5	118	32.3	27.24	74.19	1	1	1	1	1	46.95	63.28710801
5520	26/12/2020	4	4.6	4.6.1.1	2300056993	769	102	44.4	32	6	18.8	4.5	192	84.6	44.06	74.31	1	1	1	1	1	30.25	40.70256609
5521	26/12/2020	4	4.6	4.6.1.1	2300055424	844	18	28.1	32	1.7	16.2	0.9	54	14.6	26.80	74.79	1	1	1	1	1	47.99	64.16321611
5522	26/12/2020	4	4.6	4.6.1.1	2300057096	844	106	46	32	6.7	18.9	4.7	214	88.8	41.43	74.79	1	1	1	1	1	33.36	44.60057151
5523	26/12/2020	4	4.6	4.6.1.1	2300055207	844	12	39.3	32	6.1	23	0.1	195	2.3	1.18	74.79	1	1	1	1	1	73.61	98.42449993
5524	26/12/2020	4	4.6	4.6.1.1	2300055502	853	72	39	32	4.2	20.1	2.6	134	52.3	38.88	74.85	1	1	1	1	1	35.96	48.04753201
5525	26/12/2020	4	4.6	4.6.1.1	23000	861	45	29.8	32	6.02	12.1	4.7	193	56.9	29.52	74.90	1	1	1	1	1	45.38	60.58370356
5526	26/12/2020	4	4.6	4.6.1.1	2300057456	864	44	34.8	32	2.2	13.3	1.3	70	17.3	24.56	74.92	1	1	1	1	1	50.36	67.21689596
5527	26/12/2020	4	4.6	4.6.1.1	2300055407	548	35	27.4	30	2.4	17.2	1.5	72	25.8	35.83	72.89	1	1	1	1	1	37.06	50.84132219
5528	26/12/2020	4	4.6	4.6.1.1	2300055499	861	39	29.3	31	3.7	16	2.1	115	33.6	29.29	74.90	1	1	1	1	1	45.60	60.88755943
5529	26/12/2020	4	4.6	4.6.1.1	2300055507	862	43	29.9	31	4.08	16.02	2.4	126	38.4	30.40	74.90	1	1	1	1	1	44.50	59.41609396
5530	26/12/2020	4	4.6	4.6.1.1	2300056644	861	20	20.2	31	2.02	24.4	1.3	63	31.7	50.65	74.90	1	1	1	1	1	24.24	32.36691898
5531	26/12/2020	4	4.6	4.6.1.1	2300055181	851	20	25.6	30	2.2	15.6	1.1	66	17.2	26.00	74.83	1	1	1	1	1	48.83	65.25569139
5532	26/12/2020	4	4.6	4.6.1.1	2300055429	893	26	20.4	32	1.9	16.1	0.7	61	11.3	18.54	75.10	1	1	1	1	1	56.57	75.31839144
5533	26/12/2020	4	4.6	4.6.1.1	2300055500	955	97	41.4	31	6.7	18	4.9	208	88.2	42.47	75.50	1	1	1	1	1	33.03	43.75335256
5534	26/12/2020	4	4.6	4.6.1.1	2300055121	958	131	66.7	30	6	23.8	6.2	180	147.6	81.98	75.52	1	0	0	0	0	-6.46	-8.555107681
5535	26/12/2020	4	4.6	4.6.1.1	2300055496	929	27	25.8	31	2.1	15.9	0.6	65	9.5	14.65	75.33	1	1	1	1	1	60.68	80.5468384
5536	26/12/2020	4	4.6	4.6.1.1	2300055414	938	26	24.2	30	6.7	16.1	1.03	201	16.6	8.25	75.39	1	1	1	1	1	67.14	89.05645801
5537	26/12/2020	4	4.6	4.6.1.1	2300057020	948	135	50.9	31	6.1	23.5	4.6	189	108.1	57.17	75.45	1	1	1	1	0	18.29	24.23711534

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5538	26/12/2020	4	4.6	4.6.1.1	23000	971	44	24.2	31	3.6	11.1	4.2	112	46.6	41.77	75.60	1	1	1	1	1	33.83	44.74342259
5539	27/12/2020	4	4.6	4.6.1.1	2300055213	971	49	28.5	31	7.1	11.9	2.9	220	34.5	15.68	75.60	1	1	1	1	1	59.92	79.26037863
5540	27/12/2020	4	4.6	4.6.1.1	2300055503	971	30	25.1	31	3.5	15.7	1.6	109	25.1	23.15	75.60	1	1	1	1	1	52.45	69.37572588
5541	27/12/2020	4	4.6	4.6.2.4	2300056670	955	103	48.1	31	6.5	17.9	5.1	202	91.3	45.31	75.50	1	1	1	1	1	30.19	39.99150849
5542	27/12/2020	4	4.6	4.6.2.4	23000	957	45	30.6	30	3.2	15.4	2.9	96	44.7	46.52	75.51	1	1	1	1	1	28.99	38.39181503
5543	27/12/2020	4	4.6	4.6.2.4	2300056695	963	75	40.2	31	5.4	17.1	4.2	167	71.8	42.90	75.55	1	1	1	1	1	32.65	43.21154187
5544	27/12/2020	4	4.6	4.6.2.4	2300057033	978	26	24.3	31	1.5	15.5	0.7	47	10.9	23.33	75.65	1	1	1	1	1	52.31	69.15424464
5545	27/12/2020	4	4.6	4.6.2.4	2300057490	976	17	22.7	31	1.7	16.5	0.5	53	8.3	15.65	75.63	1	1	1	1	1	59.98	79.3016631
5546	27/12/2020	4	4.6	4.6.2.4	2300056154	964	93	38.9	31	7.03	20.2	6.2	218	125.2	57.47	75.56	1	1	1	1	0	18.09	23.93946404
5547	27/12/2020	4	4.6	4.6.2.4	2300052161	961	20	4.2	31	2.4	18.3	4.2	74	76.9	103.31	75.54	1	1	1	1	1	-27.77	-36.76380078
5548	27/12/2020	4	4.6	4.6.2.4	2300055604	964	122	49.4	31	6.8	19.7	5.4	211	106.4	50.46	75.56	1	1	1	1	1	25.09	33.20826565
5549	27/12/2020	4	4.6	4.6.2.4	23000	958	127	53.2	30	6.8	20.7	5.5	204	113.9	55.81	75.52	1	1	1	1	1	19.71	26.09786442
5550	27/12/2020	4	4.6	4.6.2.4	2300056715	965	100	40.5	31	7.09	17.5	6.2	220	108.5	49.37	75.56	1	1	1	1	1	26.20	34.66914157
5551	27/12/2020	4	4.6	4.6.2.4	2300049038	971	45	29.4	30	7.4	16	2.6	222	41.6	18.74	75.60	1	1	1	1	1	56.86	75.21343969
5552	27/12/2020	4	4.6	4.6.2.4	2300053328	978	138	55.3	30	7.1	20.9	6.04	213	126.2	59.27	75.65	1	1	1	1	0	16.38	21.65302266
5553	27/12/2020	4	4.6	4.6.2.4	2300057687	968	17	23.6	31	0.9	19.9	0.3	28	6.0	21.40	75.58	1	1	1	1	1	54.18	71.688926
5554	27/12/2020	4	4.6	4.6.2.4	23000	971	92	38.3	31	6.9	16.9	5	214	84.5	39.50	75.60	1	1	1	1	1	36.10	47.74572446
5555	27/12/2020	4	4.6	4.6.2.4	2300051855	965	44	28.9	31	4.4	15.7	2.5	136	39.3	28.78	75.56	1	1	1	1	1	46.79	61.91781607
5556	27/12/2020	4	4.6	4.6.2.4	2300054783	961	20	20.5	31	3.4	9.9	2.2	105	21.8	20.66	75.54	1	1	1	1	1	54.87	72.64347173
5557	27/12/2020	4	4.6	4.6.2.4	2300053461	970	72	32	30	6.1	14.6	4.3	183	62.8	34.31	75.59	1	1	1	1	1	41.29	54.61807693
5558	27/12/2020	4	4.6	4.6.2.4	2300057501	971	23	28	31	2.4	15	1.4	74	21.0	28.23	75.60	1	1	1	1	1	47.37	62.66447472
5559	27/12/2020	4	4.6	4.6.2.4	2300057508	974	82	39.2	31	6.2	13.2	5.8	192	76.6	39.83	75.62	1	1	1	1	1	35.79	47.32383302
5560	27/12/2020	4	4.6	4.6.2.4	2300057419	980	12	25.4	31	1.4	15.5	0.7	43	10.9	25.00	75.66	1	1	1	1	1	50.66	66.95656771
5561	27/12/2020	4	4.6	4.6.2.4	2300056668	975	78	34.4	31	6.8	13.5	5.4	211	72.9	34.58	75.63	1	1	1	1	1	41.04	54.2716226
5562	27/12/2020	4	4.6	4.6.2.4	2300057336	981	91	38.1	30	7.1	13.9	6.1	213	84.8	39.81	75.66	1	1	1	1	1	35.86	47.38937765
5563	27/12/2020	4	4.6	4.6.2.3	2300055969	986	48	55.1	30	2.6	23.2	2.02	78	46.9	60.08	75.70	1	1	1	1	0	15.61	20.62759751
5564	27/12/2020	4	4.6	4.6.2.3	23000	977	100	41	31	7.07	14.8	6.2	219	91.8	41.87	75.64	1	1	1	1	1	33.77	44.64872017
5565	27/12/2020	4	4.6	4.6.2.3	2300056621	974	17	42.2	31	1.3	27.2	0.6	40	16.3	40.50	75.62	1	1	1	1	1	35.12	46.44737883
5566	27/12/2020	4	4.6	4.6.2.3	2300056412	971	12	22.7	30	0.7	15.3	0.3	21	4.6	21.86	75.60	1	1	1	1	1	53.74	71.08858834
5567	27/12/2020	4	4.6	4.6.2.3	2300056408	968	134	52.1	31	7.1	21.9	5.4	220	118.3	53.73	75.58	1	1	1	1	1	21.85	28.91073088

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5568	27/12/2020	4	4.6	4.6.2.3	2300056595	974	48	29.6	31	4.6	15.7	2.8	143	44.0	30.83	75.62	1	1	1	1	1	44.79	59.23346661
5569	27/12/2020	4	4.6	4.6.2.3	2300056594	970	12	26.4	31	1.4	16.1	0.7	43	11.3	25.97	75.59	1	1	1	1	1	49.63	65.64840869
5570	27/12/2020	4	4.6	4.6.2.3	2300056610	971	14	23.2	30	6	15.8	4.3	180	67.9	37.74	75.60	1	1	1	1	1	37.86	50.07375034
5571	27/12/2020	4	4.6	4.6.2.3	2300057632	975	137	55.8	30	6.9	21.3	5.7	207	121.4	58.65	75.63	1	1	1	1	0	16.97	22.44443192
5572	27/12/2020	4	4.6	4.6.2.3	2300057641	975	107	45.3	30	6.8	18.7	5.1	204	95.4	46.75	75.63	1	1	1	1	1	28.88	38.1826356
5573	27/12/2020	4	4.6	4.6.2.3	2300057643	978	10	19	31	2.1	16.7	0.7	65	11.7	17.96	75.65	1	1	1	1	1	57.69	76.26156154
5574	27/12/2020	4	4.6	4.6.2.3	2300057635	977	35	49.6	18	3.3	12.5	2.5	59	31.3	52.61	75.64	1	1	1	1	1	23.03	30.44650681
5575	27/12/2020	4	4.6	4.6.2.3	2300056998	975	27	27.5	32	2.7	16.7	1.4	86	23.4	27.06	75.63	1	1	1	1	1	48.57	64.21841009
5576	27/12/2020	4	4.6	4.6.2.3	2300057081	959	26	21.8	32	2.09	16.2	0.9	67	14.6	21.80	75.52	1	1	1	1	1	53.72	71.1345338
5577	27/12/2020	4	4.6	4.6.2.3	2300056640	961	16	21.7	32	2.6	16	1.2	83	19.2	23.08	75.54	1	1	1	1	1	52.46	69.44926807
5578	27/12/2020	4	4.6	4.6.2.3	2300057098	968	48	29.5	30	4.9	15.8	2.9	147	45.8	31.17	75.58	1	1	1	1	1	44.41	58.75949571
5579	27/12/2020	4	4.6	4.6.2.3	2300057080	971	137	57	31	6.6	22.8	5.3	205	120.8	59.06	75.60	1	1	1	1	0	16.54	2187662555
5580	27/12/2020	4	4.6	4.6.2.3	2300056509	970	126	50.7	31	6.9	20.8	5.9	214	122.7	57.37	75.59	1	1	1	1	0	18.22	24.10428867
5581	27/12/2020	4	4.6	4.6.2.3	2300057048	963	48	22.9	31	6.1	14.3	3.1	189	44.3	23.44	75.55	1	1	1	1	1	52.11	68.9703889
5582	27/12/2020	4	4.6	4.6.2.3	2300057095	973	95	38.4	31	7.2	14.1	6.2	223	87.4	39.17	75.61	1	1	1	1	1	36.45	48.20128408
5583	27/12/2020	4	4.6	4.6.2.3	2300057087	989	26	30.9	31	2.3	24.5	1.9	71	46.6	65.29	75.72	1	1	0	0	0	10.43	13.77270004
5584	27/12/2020	4	4.6	4.6.2.3	23000	985	17	25.6	31	1.1	16.4	0.5	34	8.2	24.05	75.69	1	1	1	1	1	51.64	68.22972543
5585	27/12/2020	4	4.6	4.6.2.3	2300057598	978	49	19.5	31	3.06	15.8	1.98	95	31.3	32.98	75.65	1	1	1	1	1	42.67	56.40288196
5586	27/12/2020	4	4.6	4.6.2.3	2300057618	971	95	57.7	20	7.1	14	6.2	142	86.8	61.13	75.60	1	1	1	0	0	14.47	19.14492441
5587	27/12/2020	4	4.6	4.6.2.2	2300057046	964	95	39.3	30	7.1	14.3	6.2	213	88.7	41.62	75.56	1	1	1	1	1	33.93	44.90889736
5588	27/12/2020	4	4.6	4.6.2.2	2300057056	965	21	24.1	31	2.7	15.4	1.3	84	20.0	23.92	75.56	1	1	1	1	1	51.64	68.34552094
5589	27/12/2020	4	4.6	4.6.2.2	2300057059	968	44	28.3	31	4.5	15.5	2.6	140	40.3	28.89	75.58	1	1	1	1	1	46.69	61.77767899
5590	27/12/2020	4	4.6	4.6.2.2	2300057090	983	22	25.2	32	2.5	15.8	1.2	80	19.0	23.70	75.68	1	1	1	1	1	51.98	68.68277368
5591	27/12/2020	4	4.6	4.6.2.2	23000	974	49	24.1	30	3.1	20.6	2.04	93	42.0	45.19	75.62	1	1	1	1	1	30.43	40.24420022
5592	27/12/2020	4	4.6	4.6.2.2	2300056365	981	32	23.7	31	1.4	15.3	0.7	43	10.7	24.68	75.66	1	1	1	1	1	50.99	67.38569346
5593	27/12/2020	4	4.6	4.6.2.2	23000	978	41	21.5	31	2.3	19.7	1.6	71	31.5	44.21	75.65	1	1	1	1	1	31.44	41.55931423
5594	27/12/2020	4	4.6	4.6.2.2	2300053610	975	91	56.8	31	6.7	14.2	5.8	208	82.4	39.65	75.63	1	1	1	1	1	35.97	47.56651658
5595	27/12/2020	4	4.6	4.6.2.2	2300053394	976	26	20.9	28	2.5	14.9	1.1	70	16.4	23.41	75.63	1	1	1	1	1	52.22	69.04199032
5596	27/12/2020	4	4.6	4.6.2.2	2300057053	968	137	53.7	31	7.2	20	6.1	223	122.0	54.66	75.58	1	1	1	1	1	20.92	27.68109238
5597	27/12/2020	4	4.6	4.6.2.2	2300055422	989	137	14.4	30	2.8	16.1	0.8	84	12.9	15.33	75.72	1	1	1	1	1	60.38	79.7487792

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5598	27/12/2020	4	4.6	4.6.2.2	2300057510	968	126	52.1	30	7.4	20.6	5.6	222	115.4	51.96	75.58	1	1	1	1	1	23.62	31.24750075
5599	27/12/2020	4	4.6	4.6.2.2	2300057506	974	24	24.6	30	1.8	15.9	0.9	54	14.3	26.50	75.62	1	1	1	1	1	49.12	64.95617538
5600	27/12/2020	4	4.6	4.6.2.2	2300057420	981	129	51.4	31	7.2	20.7	5.6	223	115.9	51.94	75.66	1	1	1	1	1	23.73	31.36074049
5601	27/12/2020	4	4.6	4.6.2.2	2300056709	987	8	27.2	31	0.8	15.8	0.4	25	6.3	25.48	75.70	1	1	1	1	1	50.22	66.33695059
5602	27/12/2020	4	4.6	4.6.2.2	2300054436	985	126	40.6	30	7.1	20.3	5.6	213	113.7	53.37	75.69	1	1	1	1	1	22.32	29.48752541
5603	27/12/2020	4	4.6	4.6.2.2	2300057500	972	17	27.2	31	1.8	16.3	0.9	56	14.7	26.29	75.61	1	1	1	1	1	49.32	65.22756871
5604	27/12/2020	4	4.6	4.6.2.2	2300057441	968	9	26.3	31	1.05	16	0.5	33	8.0	24.58	75.58	1	1	1	1	1	51.00	67.48189634
5605	27/12/2020	4	4.6	4.6.2.2	23000	967	17	21.2	32	1.6	16.4	0.7	51	11.5	22.42	75.57	1	1	1	1	1	53.15	70.3315457
5606	27/12/2020	4	4.6	4.6.2.2	2300057422	961	125	49.1	31	6.6	23.8	4.4	205	104.7	51.18	75.54	1	1	1	1	1	24.35	32.24088559
5607	27/12/2020	4	4.6	4.6.2.2	23000	974	16	18.36	31	4.4	15.8	1.6	136	25.3	18.53	75.62	1	1	1	1	1	57.09	75.49084584
5608	27/12/2020	4	4.6	4.6.2.2	23000	978	133	45.9	31	6.7	21.4	5.6	208	119.8	57.70	75.65	1	1	1	1	0	17.95	23.72469931
5609	27/12/2020	4	4.6	4.6.2.2	23000	981	20	27.2	31	2.09	16.5	1.1	65	18.2	28.01	75.66	1	1	1	1	1	47.65	62.97653541
5610	27/12/2020	4	4.6	4.6.2.2	23000	975	25	27.8	30	2.5	16	1.4	75	22.4	29.87	75.63	1	1	1	1	1	45.76	60.50740927
5611	27/12/2020	4	4.1	4.1.3.4	2300053067	968	22	27.8	31	2.1	17.4	1.1	65	19.1	29.40	75.58	1	1	1	1	1	46.18	61.10021849
5612	27/12/2020	4	4.1	4.1.3.4	2300053108	966	22	28.2	31	2.3	15.4	1.3	71	20.0	28.08	75.57	1	1	1	1	1	47.49	62.84354125
5613	27/12/2020	4	4.1	4.1.3.4	23000	968	26	27	31	2.8	24.8	1.7	87	42.2	48.57	75.58	1	1	1	1	1	27.01	35.73609764
5614	27/12/2020	4	4.1	4.1.3.4	23000	959	49	33.9	31	4.4	14.2	3.4	136	48.3	35.40	75.52	1	1	1	1	1	40.13	53.13267055
5615	27/12/2020	4	4.1	4.1.3.4	23000	964	20	27.8	31	2.2	15.3	1.2	68	18.4	26.92	75.56	1	1	1	1	1	48.63	64.36952243
5616	27/12/2020	4	4.1	4.1.3.4	2300053375	961	15	24.3	31	2.5	16.3	1.2	78	19.6	25.24	75.54	1	1	1	1	1	50.30	66.58735434
5617	27/12/2020	4	4.1	4.1.3.4	2300053068	958	24	36	31	1.9	16.6	1.3	59	21.6	36.64	75.52	1	1	1	1	1	38.88	51.48341024
5618	27/12/2020	4	4.1	4.1.3.4	2300048307	955	26	22	31	3.7	11	2.4	115	26.4	23.02	75.50	1	1	1	1	1	52.48	69.51367592
5619	27/12/2020	4	4.1	4.1.3.4	2300053382	954	87	39.4	31	6.6	14.2	5.8	205	82.4	40.25	75.49	1	1	1	1	1	35.24	46.67730655
5620	27/12/2020	4	4.1	4.1.3.4	2300053379	863	27	28.1	32	2.4	14.4	1.1	77	15.8	20.63	74.91	1	1	1	1	1	54.28	72.46666631
5621	27/12/2020	4	4.1	4.1.3.4	2300053380	890	19	25.5	32	2.2	15.7	1.1	70	17.3	24.53	75.08	1	1	1	1	1	50.55	67.32738872
5622	27/12/2020	4	4.1	4.1.3.4	23000	844	19	28	32	1.8	16.5	0.9	58	14.9	25.78	74.79	1	1	1	1	1	49.01	65.52737352
5623	27/12/2020	4	4.1	4.1.3.4	2300053372	845	17	23.2	32	2.9	16.4	1.3	93	21.3	22.97	74.79	1	1	1	1	1	51.82	69.28344796
5624	27/12/2020	4	4.1	4.1.3.4	2300047352	877	36	29.3	32	3.2	16.8	1.8	102	30.2	29.53	75.00	1	1	1	1	1	45.47	60.62436999
5625	27/12/2020	4	4.1	4.1.3.4	23000	886	20	26.5	31	2	16.4	1.1	62	18.0	29.10	75.06	1	1	1	1	1	45.96	61.23345352
5626	27/12/2020	4	4.1	4.1.3.4	2300046206	879	18	18.5	32	2.1	15.4	2.6	67	40.0	59.58	75.01	1	1	1	1	0	15.43	20.56784106
5627	27/12/2020	4	4.1	4.1.3.4	2300053325	873	12	27.7	32	3.4	18.7	1.7	109	31.8	29.22	74.97	1	1	1	1	1	45.75	61.02774058

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5628	27/12/2020	4	4.1	4.1.3.4	23000	891	46	30.2	31	4.1	16.7	2.4	127	40.1	31.53	75.09	1	1	1	1	1	43.55	58.00386608
5629	27/12/2020	4	4.1	4.1.3.4	2300053059	903	42	23.8	32	3.2	18.5	2.1	102	38.9	37.94	75.17	1	1	1	1	1	37.23	49.52524157
5630	27/12/2020	4	4.1	4.1.3.4	2300052326	912	132	56.6	32	6.2	21.7	5.2	198	112.8	56.88	75.22	1	1	1	1	0	18.35	24.39127499
5631	27/12/2020	4	4.1	4.1.3.4	2300053465	902	28	23.5	30	4.7	11.1	3.2	141	35.5	25.19	75.16	1	1	1	1	1	49.97	66.48231563
5632	27/12/2020	3	3.5	3.5.3.1	2300055840	893	20	20.1	32	2.4	10.1	1.4	77	14.1	18.41	75.10	1	1	1	1	1	56.69	75.48446851
5633	27/12/2020	3	3.5	3.5.3.1	2300048527	913	25	24	32	2.4	16.4	1.1	77	18.0	23.49	75.23	1	1	1	1	1	51.74	68.77597617
5634	27/12/2020	3	3.5	3.5.3.1	2300056015	912	43	33.5	30	2.9	21	1.5	87	31.5	36.21	75.22	1	1	1	1	1	39.02	51.86712466
5635	27/12/2020	3	3.5	3.5.3.1	2300055978	893	89	45.4	31	5.6	20	4.08	174	81.6	47.00	75.10	1	1	1	1	1	28.10	37.4116415
5636	27/12/2020	3	3.5	3.5.3.1	2300056014	925	135	55.5	32	6.5	21.4	5.4	208	115.6	55.56	75.31	1	1	1	1	1	19.75	26.22408267
5637	27/12/2020	3	3.5	3.5.3.1	2300055817	891	32	28.8	32	2.2	15.8	1.8	70	28.4	40.40	75.09	1	1	1	1	1	34.69	46.19977617
5638	27/12/2020	3	3.5	3.5.3.1	2300046302	900	32	28.1	31	3.2	16.4	1.7	99	27.9	28.10	75.15	1	1	1	1	1	47.04	62.59968766
5639	27/12/2020	3	3.5	3.5.3.1	2300055992	944	131	55.2	32	6.6	21	5.2	211	109.2	51.70	75.43	1	1	1	1	1	23.72	31.45142434
5640	27/12/2020	3	3.5	3.5.3.1	2300055787	930	124	52.9	31	6.5	21.6	2.1	202	45.4	22.51	75.34	1	1	1	1	1	52.83	70.11977189
5641	27/12/2020	3	3.5	3.5.3.1	2300055593	978	128	51.8	32	6.9	21.1	5.5	221	116.1	52.56	75.65	1	1	1	1	1	23.09	30.5192176
5642	27/12/2020	3	3.5	3.5.3.1	2300048501	974	36	27.7	32	3.7	15.8	2.1	118	33.2	28.02	75.62	1	1	1	1	1	47.60	62.9412895
5643	27/12/2020	3	3.5	3.5.3.1	2300055016	976	26	22.3	31	2.4	16.6	1.3	74	21.6	29.01	75.63	1	1	1	1	1	46.63	61.64953599
5644	27/12/2020	3	3.5	3.5.3.1	2300055880	945	13	16.1	31	2.3	17	0.7	71	11.9	16.69	75.43	1	1	1	1	1	58.74	77.87464263
5645	27/12/2020	3	3.5	3.5.3.1	2300056013	944	25	28.3	31	2.4	16.2	1.4	74	22.7	30.48	75.43	1	1	1	1	1	44.94	59.58525663
5646	27/12/2020	3	3.5	3.5.3.1	2300048336	934	20	22.4	31	2.5	15.9	1.2	78	19.1	24.62	75.36	1	1	1	1	1	50.74	67.33256527
5647	27/12/2020	3	3.5	3.5.3.1	230005597	972	138	57.6	32	6.7	21.9	5.6	214	122.6	57.20	75.61	1	1	1	1	0	18.41	24.34345517
5648	27/12/2020	3	3.5	3.5.3.1	2300055599	958	84	36	31	6.7	16.7	4.6	208	76.8	36.99	75.52	1	1	1	1	1	38.53	51.02302846
5649	27/12/2020	3	3.5	3.5.3.1	23000	955	36	25.9	31	3.9	16.4	1.9	121	31.2	25.77	75.50	1	1	1	1	1	49.72	65.86218652
5650	27/12/2020	3	3.5	3.5.3.1	2300055639	961	43	29	32	2.1	16	1.3	67	20.8	30.95	75.54	1	1	1	1	1	44.58	59.02322463
5651	27/12/2020	3	3.5	3.5.3.1	2300055991	968	128	53.5	32	6.8	19.8	5.9	218	116.8	53.69	75.58	1	1	1	1	1	21.90	28.96955623
5652	27/12/2020	3	3.5	3.5.3.1	2300048582	971	81	34.6	31	6.6	16.8	4.4	205	73.9	36.13	75.60	1	1	1	1	1	39.47	52.21052765
5653	27/12/2020	3	3.5	3.5.3.1	2300055839	974	36	19.2	31	1.3	15.6	0.5	40	7.8	19.35	75.62	1	1	1	1	1	56.26	74.40499724
5654	27/12/2020	3	3.5	3.5.3.1	2300055592	971	46	30.4	31	5.3	15.3	1.4	164	21.4	13.04	75.60	1	1	1	1	1	62.56	82.75521399
5655	27/12/2020	3	3.5	3.5.3.1	2300055586	975	85	35.1	31	6.9	17.4	4.4	214	76.6	35.79	75.63	1	1	1	1	1	39.83	52.67179757
5656	27/12/2020	3	3.5	3.5.3.3	2300055593	981	25	26.9	31	2.7	15.8	1.5	84	23.7	28.32	75.66	1	1	1	1	1	47.35	62.57762939
5657	27/12/2020	3	3.5	3.5.3.3	2300055988	980	115	49.1	31	6.7	19.1	5.5	208	105.1	50.58	75.66	1	1	1	1	1	25.08	33.14949327

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5658	27/12/2020	3	3.5	3.5.3.3	2300055760	977	123	49.2	30	7.1	19.3	5.8	213	111.9	52.55	75.64	1	1	1	1	1	23.08	30.51979856
5659	27/12/2020	3	3.5	3.5.3.3	2300055845	971	131	57.6	31	7.2	22.9	6.09	223	139.5	62.48	75.60	1	1	1	0	0	13.12	17.35159221
5660	27/12/2020	3	3.5	3.5.3.3	2300055597	849	29	28.1	32	2.9	16.4	1.6	93	26.2	28.28	74.82	1	1	1	1	1	46.54	62.20794809
5661	27/12/2020	3	3.5	3.5.3.3	2300055768	842	131	52.9	32	6.3	21.7	4.7	202	102.0	50.59	74.77	1	1	1	1	1	24.18	32.34314531
5662	27/12/2020	3	3.5	3.5.3.3	2300055980	858	48	29.8	32	3.3	16.8	2.09	106	35.1	33.25	74.88	1	1	1	1	1	41.63	55.59395918
5663	27/12/2020	3	3.5	3.5.3.3	2300055815	844	48	30.7	32	3.01	16.7	1.9	96	31.7	32.94	74.79	1	1	1	1	1	41.85	55.95222236
5664	27/12/2020	3	3.5	3.5.3.3	2300048590	877	134	53.4	32	6.3	21.8	5	202	109.0	54.07	75.00	1	1	1	1	1	20.93	27.90889945
5665	27/12/2020	3	3.5	3.5.3.3	2300055985	843	49	31.2	32	3.8	17	2.5	122	42.5	34.95	74.78	1	1	1	1	1	39.83	53.26277474
5666	27/12/2020	3	3.5	3.5.3.3	2300055815	854	84	37.9	32	6.06	17.6	4.2	194	73.9	38.12	74.85	1	1	1	1	1	36.73	49.07415221
5667	27/12/2020	3	3.5	3.5.3.3	2300046217	531	38	21.1	31	3.4	10.6	2.3	105	24.4	23.13	72.78	1	1	1	1	1	49.65	68.21993478
5668	27/12/2020	3	3.5	3.5.3.3	2300055553	854	77	36	31	6.07	16.8	4.2	188	70.6	37.50	74.85	1	1	1	1	1	37.35	49.90353296
5669	27/12/2020	3	3.5	3.5.3.3	2300045191	852	74	35.9	31	5.9	16.5	4.2	183	69.3	37.89	74.84	1	1	1	1	1	36.95	49.37177355
5670	27/12/2020	3	3.5	3.5.3.3	2300046159	864	20	27.8	32	1.8	17.2	0.9	58	15.5	26.88	74.92	1	1	1	1	1	48.04	64.12629679
5671	27/12/2020	3	3.5	3.5.3.3	2300055835	814	36	28.7	32	3.4	16.5	1.9	109	31.4	28.81	74.60	1	1	1	1	1	45.78	61.37260343
5672	27/12/2020	3	3.5	3.5.3.3	2300055977	807	35	29.1	32	3.6	15.9	2.1	115	33.4	28.98	74.55	1	1	1	1	1	45.57	61.12130923
5673	27/12/2020	3	3.5	3.5.3.3	2300046251	817	31	26.8	32	3.3	16	1.7	106	27.2	25.76	74.61	1	1	1	1	1	48.86	65.47926717
5674	27/12/2020	3	3.5	3.5.3.3	2300055917	825	45	29.7	32	4.2	16.4	2.5	134	41.0	30.51	74.67	1	1	1	1	1	44.16	59.14344898
5675	27/12/2020	3	3.5	3.5.3.3	2300046235	816	45	26.7	32	3	16.8	2.5	96	42.0	43.75	74.61	1	1	1	1	1	30.86	41.36049024
5676	27/12/2020	3	3.5	3.5.3.3	2300055854	830	41	29.7	32	3.7	16.7	2.1	118	35.1	29.62	74.70	1	1	1	1	1	45.08	60.3470877
5677	27/12/2020	3	3.5	3.5.3.3	2300046246	832	43	24.3	25	3.1	13.8	1.6	78	22.1	28.49	74.71	1	1	1	1	1	46.22	61.86585797
5678	27/12/2020	3	3.5	3.5.3.2	2300055837	833	79	54.5	21	5.7	13.4	5.02	120	67.3	56.20	74.72	1	1	1	1	0	18.52	24.7868502
5679	27/12/2020	3	3.5	3.5.3.2	2300055814	857	48	19.3	32	3.1	16.8	1.9	99	31.9	32.18	74.87	1	1	1	1	1	42.69	57.0227387
5680	27/12/2020	3	3.5	3.5.3.2	2300047454	964	33	22.1	31	4.9	19	3.3	152	62.7	41.28	75.56	1	1	1	1	1	34.28	45.3685021
5681	27/12/2020	3	3.5	3.5.3.2	2300055706	965	122	47.5	32	7.2	14.5	5.9	230	85.6	37.13	75.56	1	1	1	1	1	38.43	50.86011965
5682	27/12/2020	3	3.5	3.5.3.2	2300055541	963	89	40.5	32	6.8	15.9	5.1	218	81.1	37.27	75.55	1	1	1	1	1	38.28	50.67370005
5683	27/12/2020	3	3.5	3.5.3.2	2300055985	958	43	29	32	4.3	17.77	2.5	138	44.4	32.29	75.52	1	1	1	1	1	43.23	57.24734171
5684	27/12/2020	3	3.5	3.5.3.2	23000055836	960	21	27.5	32	2.09	24	1.06	67	25.4	38.04	75.53	1	1	1	1	1	37.49	49.6381868
5685	27/12/2020	3	3.5	3.5.3.2	2300055987	954	115	46.4	32	6.9	24.6	5.5	221	135.3	61.28	75.49	1	1	1	0	0	14.21	18.82914932
5686	27/12/2020	3	3.5	3.5.3.2	2300048660	958	19	20	32	3.4	17.7	2.1	109	37.2	34.16	75.52	1	1	1	1	1	41.35	54.760501
5687	27/12/2020	3	3.5	3.5.3.2	2300056007	969	96	39.8	32	6.8	16.4	5.03	218	82.5	37.91	75.59	1	1	1	1	1	37.68	49.84636836

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5688	27/12/2020	3	3.5	3.5.3.2	23000	963	31	27.6	32	3.2	15.9	1.8	102	28.6	27.95	75.55	1	1	1	1	1	47.60	63.00527504
5689	27/12/2020	3	3.5	3.5.3.2	2300046280	957	26	24.1	32	2.9	23.9	1.4	93	33.5	36.06	75.51	1	1	1	1	1	39.45	52.25049333
5690	27/12/2020	3	3.5	3.5.3.2	2300048148	972	26	24.2	30	2.4	16.7	1.1	72	18.4	25.51	75.61	1	1	1	1	1	50.09	66.25450503
5691	27/12/2020	3	3.5	3.5.3.2	2300047620	967	27	20.6	32	4.4	10.9	2.7	141	29.4	20.90	75.57	1	1	1	1	1	54.67	72.34264777
5692	27/12/2020	3	3.5	3.5.3.2	2300048074	951	6	18.7	31	1.2	10.6	0.7	37	7.4	19.95	75.47	1	1	1	1	1	55.53	73.57148234
5693	27/12/2020	3	3.5	3.5.3.2	2300047838	944	15	21.9	31	1.3	16.4	0.5	40	8.2	20.35	75.43	1	1	1	1	1	55.08	73.02394012
5694	27/12/2020	3	3.5	3.5.3.2	2300048462	975	83	3.7	32	6.3	18.5	4.1	202	75.9	37.62	75.63	1	1	1	1	1	38.00	50.24990356
5695	27/12/2020	3	3.5	3.5.3.2	2300048076	981	17	24.3	32	2.3	17.5	1.06	74	18.6	25.20	75.66	1	1	1	1	1	50.46	66.69000964
5696	27/12/2020	3	3.5	3.5.3.2	2300052728	956	85	35.5	32	7.1	13.8	5.9	227	81.4	35.84	75.50	1	1	1	1	1	39.67	52.53751092
5697	27/12/2020	3	3.5	3.5.3.2	2300048075	977	37	34.3	32	3.7	24.5	1.7	118	41.7	35.18	75.64	1	1	1	1	1	40.46	53.49296279
5698	27/12/2020	3	3.5	3.5.3.2	2300047817	957	23.5	27.2	32	2.4	15.9	1.3	77	20.7	26.91	75.51	1	1	1	1	1	48.60	64.35733365
5699	27/12/2020	3	3.5	3.5.3.2	2300048446	966	87	35.9	32	7.1	13.7	6.1	227	83.6	36.78	75.57	1	1	1	1	1	38.79	51.32546088
5700	27/12/2020	3	3.5	3.5.3.2	23000	970	35	21.5	32	5.3	10.4	3.6	170	37.4	22.08	75.59	1	1	1	1	1	53.52	70.79732294
5701	27/12/2020	3	3.5	3.5.3.2	2300048072	965	26	26.9	31	2.8	16.6	1.4	87	23.2	26.77	75.56	1	1	1	1	1	48.79	64.56658962
5702	27/12/2020	3	3.6	3.6.4.1	2300051417	964	124	50.4	31	7.01	19.5	5.8	217	113.1	52.05	75.56	1	1	1	1	1	23.51	31.11633684
5703	27/12/2020	3	3.6	3.6.4.1	2300050748	972	39	24.4	31	4.8	14.1	2.7	149	38.1	25.58	75.61	1	1	1	1	1	50.02	66.16087783
5704	27/12/2020	3	3.6	3.6.4.1	2300051772	976	24	20.7	31	2.3	16.8	0.9	71	15.1	21.21	75.63	1	1	1	1	1	54.43	71.96152561
5705	27/12/2020	3	3.6	3.6.4.1	2300051421	965	43	35.8	30	6.05	28.2	2.7	182	76.1	41.95	75.56	1	1	1	1	1	33.61	44.48212961
5706	27/12/2020	3	3.6	3.6.4.1	2300051770	904	35	23	30	2.2	24	1	66	24.0	36.36	75.17	1	1	1	1	1	38.81	51.62583161
5707	27/12/2020	3	3.6	3.6.4.1	2300047931	957	17	25.8	31	1.9	15.2	1.03	59	15.7	26.58	75.51	1	1	1	1	1	48.93	64.79888286
5708	27/12/2020	3	3.6	3.6.4.1	2300051284	975	16	23.7	30	1.5	22.8	0.7	45	16.0	35.47	75.63	1	1	1	1	1	40.16	53.10254851
5709	27/12/2020	3	3.6	3.6.4.1	2300052452	984	45	31.2	31	3.7	10.6	2	115	21.2	18.48	75.68	1	1	1	1	1	57.20	75.57859414
5710	27/12/2020	3	3.6	3.6.4.1	2300051381	975	11	19.2	31	1.9	22.7	1.1	59	25.0	42.39	75.63	1	1	1	1	1	33.23	43.94270761
5711	27/12/2020	3	3.6	3.6.4.1	2300051761	986	26	23.7	30	2.8	14.8	1.3	84	19.2	22.90	75.70	1	1	1	1	1	52.79	69.74127976
5712	27/12/2020	3	3.6	3.6.4.1	2300052553	964	26	20.2	31	1.5	20	2.4	47	48.0	103.23	75.56	1	1	1	1	1	-27.67	-36.62231053
5713	27/12/2020	3	3.6	3.6.4.1	2300052563	966	120	50.9	31	6.8	16.3	5.4	211	88.0	41.76	75.57	1	1	1	1	1	33.81	44.74513392
5714	27/12/2020	3	3.6	3.6.4.1	23000	967	13	23.9	30	1.1	15.5	0.5	33	7.8	23.48	75.57	1	1	1	1	1	52.09	68.92502728
5715	27/12/2020	3	3.6	3.6.4.1	2300052449	985	20	27.4	30	2.2	23.1	1.2	66	27.7	42.00	75.69	1	1	1	1	1	33.69	44.51050337
5716	27/12/2020	3	3.6	3.6.4.1	2300052882	974	20	59.4	32	2.1	18.6	2.4	67	44.6	66.43	75.62	1	1	0	0	0	9.19	12.15429409
5717	27/12/2020	3	3.6	3.6.4.1	2300050797	977	112	20.4	31	6.7	21.6	5.9	208	127.4	61.36	75.64	1	1	1	0	0	14.28	18.8806175

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5718	27/12/2020	3	3.6	3.6.4.1	2300051412	964	132	47.8	32	6.5	23.5	5.7	208	134.0	64.40	75.56	1	1	0	0	0	11.16	14.76602864
5719	27/12/2020	3	3.6	3.6.4.1	2300052450	983	17	26.4	31	1.8	23.1	1.02	56	23.6	42.23	75.68	1	1	1	1	1	33.45	44.20273682
5720	27/12/2020	3	3.6	3.6.4.1	2300051897	746	23	26.8	31	2.2	16.4	1.2	68	19.7	28.86	74.16	1	1	1	1	1	45.30	61.08933476
5721	27/12/2020	3	3.6	3.6.4.1	2300051892	751	27	24.9	33	2.9	16.1	1.5	96	24.2	25.24	74.19	1	1	1	1	1	48.96	65.98693435
5722	27/12/2020	3	3.6	3.6.4.1	-	761	12	21.4	32	1.5	17	0.6	48	10.2	21.25	74.26	1	1	1	1	1	53.01	71.38293804
5723	27/12/2020	3	3.6	3.6.4.2	2300051867	758	69	70.1	31	5.2	25	4.7	161	117.5	72.89	74.24	0	0	0	0	0	1.35	1.813620586
5724	27/12/2020	3	3.6	3.6.4.2	2300051908	768	134	58.2	32	5.3	21.6	4.7	170	101.5	59.86	74.30	1	1	1	0	0	14.44	19.43805677
5725	27/12/2020	3	3.6	3.6.4.2	2300049647	771	32	21.9	31	2.2	24.6	0.9	68	22.1	32.46	74.32	1	1	1	1	1	41.86	56.31974114
5726	27/12/2020	3	3.6	3.6.4.2	2300051801	779	134	58.4	31	5.4	19.6	4.8	167	94.1	56.20	74.37	1	1	1	1	0	18.17	24.43255645
5727	27/12/2020	3	3.6	3.6.4.2	2300051410	784	109	50.4	31	5.3	23.5	4.4	164	103.4	62.93	74.40	1	1	1	0	0	11.47	15.41584286
5728	27/12/2020	3	3.6	3.6.4.2	2300051888	781	20	20.2	32	2.4	24.4	1.6	77	39.0	50.83	74.38	1	1	1	1	1	23.55	31.66129816
5729	27/12/2020	3	3.6	3.6.4.2	2300052433	804	20	20.5	30	4.8	16.9	2.4	144	40.6	28.17	74.53	1	1	1	1	1	46.36	62.20842345
5730	27/12/2020	3	3.6	3.6.4.2	2300048913	795	22	24.9	32	3.2	22.4	1.5	102	33.6	32.81	74.47	1	1	1	1	1	41.66	55.94099954
5731	27/12/2020	3	3.6	3.6.4.2	-	986	34	25.6	32	3.3	16.5	1.9	106	31.4	29.69	75.70	1	1	1	1	1	46.01	60.78082974
5732	27/12/2020	3	3.6	3.6.4.2	2300048917	991	22.5	21	31	3.1	11.3	1.9	96	21.5	22.34	75.73	1	1	1	1	1	53.39	70.49810753
5733	27/12/2020	3	3.6	3.6.4.2	2300048576	983	26	21.2	32	2.4	16	1.06	77	17.0	22.08	75.68	1	1	1	1	1	53.59	70.81904017
5734	27/12/2020	3	3.6	3.6.4.2	2300048909	989	31	20.1	31	4.6	10.7	2.8	143	30.0	21.01	75.72	1	1	1	1	1	54.71	72.25166588
5735	27/12/2020	3	3.6	3.6.4.2	-	997	45	38.2	31	4.1	19.4	2.6	127	50.4	39.69	75.77	1	1	1	1	1	36.08	47.6217985
5736	27/12/2020	3	3.6	3.6.4.2	2300051857	993	31	31.2	31	2.4	21.1	1.1	74	23.2	31.20	75.74	1	1	1	1	1	44.54	58.81206456
5737	27/12/2020	3	3.6	3.6.4.2	-	995	28	28.6	31	2.8	23.3	1.1	87	25.6	29.53	75.75	1	1	1	1	1	46.23	61.02166253
5738	27/12/2020	3	3.6	3.6.4.2	2300049045	993	20	31.6	31	1.8	18.8	1.01	56	19.0	34.03	75.74	1	1	1	1	1	41.71	55.072439
5739	27/12/2020	3	3.6	3.6.4.2	2300051739	995	93	43.7	32	6.4	18.5	4.6	205	85.1	41.55	75.75	1	1	1	1	1	34.20	45.1478016
5740	27/12/2020	3	3.6	3.6.4.2	2300051885	993	41	25.5	32	2.7	22.6	0.9	86	20.3	23.54	75.74	1	1	1	1	1	52.20	68.91828138
5741	27/12/2020	3	3.6	3.6.4.2	-	997	131	60.3	32	6.3	22.1	5.5	202	121.6	60.29	75.77	1	1	1	1	0	15.47	20.42337973
5742	27/12/2020	3	3.6	3.6.4.2	2300049461	1000	22	25.8	31	2.5	15.4	1.3	78	20.0	25.83	75.79	1	1	1	1	1	49.95	65.91420834
5743	27/12/2020	3	3.6	3.6.4.2	2300051896	987	19	26.8	31	2.1	16	1.4	65	22.4	34.41	75.70	1	1	1	1	1	41.29	54.54778139
5744	27/12/2020	3	3.6	3.6.4.2	2300049836	994	16	24.3	32	1.6	16.5	0.7	51	11.6	22.56	75.75	1	1	1	1	1	53.19	70.21873465
5745	27/12/2020	3	3.6	3.6.4.2	-	996	32	29	32	3.3	16.5	1.8	106	29.7	28.13	75.76	1	1	1	1	1	47.64	62.87638397
5746	27/12/2020	3	3.6	3.6.4.4	2300048961	969	23	25.6	31	2.6	15.8	1.3	81	20.5	25.48	75.59	1	1	1	1	1	50.10	66.2856461
5747	27/12/2020	3	3.6	3.6.4.4	2300052444	980	26	27.2	31	2.7	15.4	1.5	84	23.1	27.60	75.66	1	1	1	1	1	48.06	63.52194572

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5748	27/12/2020	3	3.6	3.6.4.4	2300049652	989	17	27.1	31	1.8	16.2	1	56	16.2	29.03	75.72	1	1	1	1	1	46.68	61.65617381
5749	27/12/2020	3	3.6	3.6.4.4	2300049564	989	22	22.4	31	3.6	15.9	1.6	112	25.4	22.80	75.72	1	1	1	1	1	52.92	69.89299573
5750	27/12/2020	3	3.6	3.6.4.4	2300052446	967	26	25.1	31	2.5	13	1.2	78	15.6	20.13	75.57	1	1	1	1	1	55.45	73.36541776
5751	27/12/2020	3	3.6	3.6.4.4	2300049572	959	24	27.6	31	2.4	15.9	1.3	74	20.7	27.78	75.52	1	1	1	1	1	47.74	63.21380593
5752	27/12/2020	3	3.6	3.6.4.4	2300049549	987	25	27	31	2.6	15.3	1.5	81	23.0	28.47	75.70	1	1	1	1	1	47.23	62.3871965
5753	27/12/2020	3	3.6	3.6.4.4	2300052453	976	43	26.9	32	4.5	15.6	2.5	144	39.0	27.08	75.63	1	1	1	1	1	48.55	64.1908318
5754	27/12/2020	3	3.6	3.6.4.4	2300049655	888	117	48.9	32	6.3	19.9	5.1	202	101.5	50.34	75.07	1	1	1	1	1	24.73	32.93885921
5755	27/12/2020	3	3.6	3.6.4.4	2300049544	890	49	24.9	33	4.3	13.8	2.3	142	31.7	22.37	75.08	1	1	1	1	1	52.71	70.20875217
5756	27/12/2020	3	3.6	3.6.4.4	2300049334	856	121	49	33	6.4	19.9	5.2	211	103.5	49.00	74.86	1	1	1	1	1	25.87	34.5533897
5757	27/12/2020	3	3.6	3.6.4.4	2300049451	895	113	46.7	33	6.5	19.3	5.1	215	98.4	45.89	75.11	1	1	1	1	1	29.23	38.90870958
5758	27/12/2020	3	3.6	3.6.4.4	2300049863	888	70	33.7	32	5.8	16.6	3.9	186	64.7	34.88	75.07	1	1	1	1	1	40.19	53.53425171
5759	27/12/2020	3	3.6	3.6.4.4	2300049435	912	40	28.9	32	4.1	15.8	2.4	131	37.9	28.90	75.22	1	1	1	1	1	46.32	61.57755491
5760	27/12/2020	3	3.6	3.6.4.4	2300049705	905	126	51.4	32	6.6	20.4	5.4	211	110.2	52.16	75.18	1	1	1	1	1	23.02	30.6192092
5761	27/12/2020	3	3.6	3.6.4.4	2300048937	914	47	22.2	32	3.9	16.5	1.7	125	28.1	22.48	75.24	1	1	1	1	1	52.76	70.1258958
5762	27/12/2020	3	3.6	3.6.4.4	2300049457	930	43	30.2	32	4.9	16.9	2.8	157	47.3	30.18	75.34	1	1	1	1	1	45.16	59.94243087
5763	27/12/2020	3	3.6	3.6.4.4	2300049328	931	45	28.9	32	3.7	20.1	2.6	118	52.3	44.14	75.34	1	1	1	1	1	31.21	41.41765876
5764	27/12/2020	3	3.6	3.6.4.4	2300048916	939	72	33.1	32	6.8	12.6	5.1	218	64.3	29.53	75.40	1	1	1	1	1	45.86	60.83160025
5765	27/12/2020	3	3.6	3.6.4.4	2300049629	943	46	28.2	31	3.8	17.8	2.3	118	40.9	34.75	75.42	1	1	1	1	1	40.67	53.92035657
5766	27/12/2020	3	3.6	3.6.4.4	2300048928	942	45	31	31	3.6	12.3	2.4	112	29.5	26.45	75.41	1	1	1	1	1	48.96	64.92516999
5767	27/12/2020	3	3.6	3.6.4.4	2300049691	947	91	38.4	32	6.7	17	4.9	214	83.3	38.85	75.45	1	1	1	1	1	36.59	48.50330042
5768	27/12/2020	3	3.6	3.6.4.4	2300051893	953	129	52.3	32	6.9	20.2	5.1	221	103.0	46.66	75.49	1	1	1	1	1	28.83	38.18972634
5769	28/12/2020	3	3.6	3.6.4.4	2300049335	947	72	31.7	31	6.5	16.2	4.1	202	66.4	32.96	75.45	1	1	1	1	1	42.48	56.30990426
5770	28/12/2020	3	3.6	3.6.5.4	2300049835	961	92	39.4	31	6.7	16.9	5.05	208	85.3	41.09	75.54	1	1	1	1	1	34.45	45.60170306
5771	28/12/2020	3	3.6	3.6.5.4	2300049520	974	43	28.5	31	3.9	11.9	2.2	121	26.2	21.65	75.62	1	1	1	1	1	53.97	71.3642234
5772	28/12/2020	3	3.6	3.6.5.4	2300057910	967	94	38.8	31	7	16.9	5.1	217	86.2	39.72	75.57	1	1	1	1	1	35.86	47.44426183
5773	28/12/2020	3	3.6	3.6.5.4	2300049552	966	41	22	31	3.7	12.4	1.6	115	19.8	17.30	75.57	1	1	1	1	1	58.27	77.11040951
5774	28/12/2020	3	3.6	3.6.5.4	2300057906	969	111	45.2	31	6.9	18.3	5.5	214	100.7	47.05	75.59	1	1	1	1	1	28.53	37.74812475
5775	28/12/2020	3	3.6	3.6.5.4	2300057894	1000	90	37.1	31	7.1	16.6	5.6	220	93.0	42.24	75.79	1	1	1	1	1	33.55	44.27025101
5776	28/12/2020	3	3.6	3.6.5.4	2300049559	1000	98	41	31	7.04	17.7	5.1	218	90.3	41.36	75.79	1	1	1	1	1	34.42	45.42168746
5777	28/12/2020	3	3.6	3.6.5.4	2300055711	1003	35	29	31	3.5	16.2	2.03	109	32.9	30.31	75.81	1	1	1	1	1	45.50	60.01636112

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5778	28/12/2020	3	3.6	3.6.5.4	2300057736	1001	36	23.4	31	2.5	16.6	1.1	78	18.3	23.56	75.79	1	1	1	1	1	52.23	68.91338667
5779	28/12/2020	3	3.6	3.6.5.4	2300057718	1011	33	29.1	31	3.4	23	1.8	105	41.4	39.28	75.86	1	1	1	1	1	36.58	48.21934948
5780	28/12/2020	3	3.6	3.6.5.4	2300049555	1015	138	55.5	31	7.3	13.9	6.3	226	87.6	38.70	75.88	1	1	1	1	1	37.19	49.00447974
5781	28/12/2020	3	3.6	3.6.5.4	2300049561	1012	94	38	31	7.2	24.1	6.3	223	151.8	68.02	75.86	1	1	0	0	0	7.84	10.33260894
5782	28/12/2020	3	3.6	3.6.5.4	2300057824	994	127	52	31	7.1	14.4	5.9	220	85.0	38.60	75.75	1	1	1	1	1	37.15	49.04045003
5783	28/12/2020	3	3.6	3.6.5.4	2300049677	1000	96	38.9	31	7.2	23	6.2	223	142.6	63.89	75.79	1	1	1	0	0	11.90	15.69829667
5784	28/12/2020	3	3.6	3.6.5.4	2300057882	1000	38	26.6	31	4.2	24	2.2	130	52.8	40.55	75.79	1	1	1	1	1	35.23	46.49012299
5785	28/12/2020	3	3.6	3.6.5.4	2300049566	974	33	26.2	32	3.3	16.2	1.8	106	29.2	27.61	75.62	1	1	1	1	1	48.01	63.48349322
5786	28/12/2020	3	3.6	3.6.5.4	2300057874	975	48	30.5	31	4.5	16.4	2.7	140	44.3	31.74	75.63	1	1	1	1	1	43.88	58.02774775
5787	28/12/2020	3	3.6	3.6.5.4	2300049567	981	44	28.1	31	4.5	15.9	2.5	140	39.8	28.49	75.66	1	1	1	1	1	47.17	62.34077895
5788	28/12/2020	3	3.6	3.6.5.4	2300049539	974	28	28.2	31	2.9	15.3	1.6	90	24.5	27.23	75.62	1	1	1	1	1	48.39	63.99047887
5789	28/12/2020	3	3.6	3.6.5.4	2300049360	970	42	28.5	31	3.1	22.7	1.6	96	36.3	37.79	75.59	1	1	1	1	1	37.80	50.00401537
5790	28/12/2020	3	3.6	3.6.5.4	2300057844	988	118	49.2	31	7.01	18.5	5.8	217	107.3	49.38	75.71	1	1	1	1	1	26.33	34.78141785
5791	28/12/2020	3	3.6	3.6.5.4	2300057950	984	85	35.7	31	7.04	13.4	6.02	218	80.7	36.96	75.68	1	1	1	1	1	38.72	51.16118084
5792	28/12/2020	3	3.6	3.6.5.4	2300057893	981	102	41.1	31	7.1	17.6	5.3	220	93.3	42.38	75.66	1	1	1	1	1	33.28	43.98853883
5793	28/12/2020	3	3.6	3.6.5.1	2300057708	955	21	28.6	31	2.2	15.5	1.3	68	20.2	29.55	75.50	1	1	1	1	1	45.95	60.86591096
5794	28/12/2020	3	3.6	3.6.5.1	2300055948	945	20	26.3	31	2.1	16.1	1.1	65	17.7	27.20	75.43	1	1	1	1	1	48.23	63.93628725
5795	28/12/2020	3	3.6	3.6.5.1	2300057723	941	122	65.2	32	6.5	19.3	5.5	208	106.2	51.03	75.41	1	1	1	1	1	24.37	32.3236485
5796	28/12/2020	3	3.6	3.6.5.1	2300057780	955	118	48.9	31	6.7	18.8	5.5	208	103.4	49.78	75.50	1	1	1	1	1	25.71	34.06005277
5797	28/12/2020	3	3.6	3.6.5.1	2300057707	948	46	36.7	30	6.6	24.5	2.1	198	51.5	25.98	75.45	1	1	1	1	1	49.47	65.56163491
5798	28/12/2020	3	3.6	3.6.5.1	2300057912	944	26	23.1	31	0.9	16.7	0.3	28	5.0	17.96	75.43	1	1	1	1	1	57.47	76.19307886
5799	28/12/2020	3	3.6	3.6.5.1	2300057871	938	138	23.8	31	6.8	23.1	5.07	211	117.1	55.56	75.39	1	1	1	1	1	19.83	26.30463097
5800	28/12/2020	3	3.6	3.6.5.1	2300057779	938	20	22.9	31	2.6	18.2	1.6	81	29.1	36.13	75.39	1	1	1	1	1	39.26	52.07664724
5801	28/12/2020	3	3.6	3.6.5.1	2300057914	934	17	35.8	30	3.7	23.4	2.3	111	53.8	48.49	75.36	1	1	1	1	1	26.88	35.66325589
5802	28/12/2020	3	3.6	3.6.5.1	2300057735	951	120	56.1	31	6.2	22.1	2.4	192	53.0	27.60	75.47	1	1	1	1	1	47.88	63.43530363
5803	28/12/2020	3	3.6	3.6.5.1	2300057769	938	42	23.6	30	0.4	17.4	0.1	12	1.7	14.50	75.39	1	1	1	1	1	60.89	80.76647583
5804	28/12/2020	3	3.6	3.6.5.1	2300057911	944	20	18.2	30	2.5	10.4	1.4	75	14.6	19.41	75.43	1	1	1	1	1	56.01	74.26229479
5805	28/12/2020	3	3.6	3.6.5.1	2300055822	882	31	28.1	32	3.1	16.2	1.7	99	27.5	27.76	75.03	1	1	1	1	1	47.27	62.99906602
5806	28/12/2020	3	3.6	3.6.5.1	2300055737	854	26	71	32	3.1	24.5	2.1	99	51.5	51.86	74.85	1	1	1	1	1	22.99	30.70967173
5807	28/12/2020	3	3.6	3.6.5.1	230005763	906	113	62.1	23	6.7	16.2	6.2	154	100.4	65.18	75.18	1	1	0	0	0	10.01	13.30853801

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5808	28/12/2020	3	3.6	3.6.5.1	2300057860	891	21	22.1	32	4.3	11.1	2.9	138	32.2	23.39	75.09	1	1	1	1	1	51.69	68.84486106
5809	28/12/2020	3	3.6	3.6.5.1	2300057875	993	17	25.6	32	1.8	16.3	0.9	58	14.7	25.47	75.74	1	1	1	1	1	50.27	66.3739814
5810	28/12/2020	3	3.6	3.6.5.1	2300057916	894	13	27.2	32	1.4	15.7	6.7	45	105.2	234.80	75.11	1	1	1	1	1	-159.69	-212.616975
5811	28/12/2020	3	3.6	3.6.5.1	2300057733	895	49	27.9	32	5.2	15.9	2.9	166	46.1	27.71	75.11	1	1	1	1	1	47.40	63.108959
5812	28/12/2020	3	3.6	3.6.5.1	2300057899	870	48	30.8	32	4.2	16.7	2.4	134	40.1	29.82	74.95	1	1	1	1	1	45.13	60.21369297
5813	28/12/2020	3	3.6	3.6.5.1	2300057713	889	10	27.1	32	1.1	15.6	0.6	35	9.4	26.59	75.08	1	1	1	1	1	48.48	64.58115674
5814	28/12/2020	3	3.6	3.6.5.1	2300055548	910	24	27.4	32	2.4	16.3	1.3	77	21.2	27.59	75.21	1	1	1	1	1	47.62	63.31452489
5815	28/12/2020	3	3.6	3.6.5.1	2300057749	971	16	22.4	32	4.4	10.8	2.9	141	31.3	22.24	75.60	1	1	1	1	1	53.36	70.57645438
5816	28/12/2020	3	3.6	3.6.5.1	2300057777	525	13	26.7	31	1.6	15.3	0.9	50	13.8	27.76	72.75	1	1	1	1	1	44.98	61.83694392
5817	28/12/2020	3	3.6	3.6.5.2	2300055736	856	13	26.8	32	1.2	16.6	0.6	38	10.0	25.94	74.86	1	1	1	1	1	48.93	65.35402675
5818	28/12/2020	3	3.6	3.6.5.2	2300055726	872	20	18.2	30	2.5	15.4	1.2	75	18.5	24.64	74.97	1	1	1	1	1	50.33	67.13211715
5819	28/12/2020	3	3.6	3.6.5.2	2300055721	877	26	28.9	32	2.5	16.3	1.4	80	22.8	28.53	75.00	1	1	1	1	1	46.47	61.96605812
5820	28/12/2020	3	3.6	3.6.5.2	2300055742	885	35	25.3	32	3.09	16.4	1.5	99	24.6	24.88	75.05	1	1	1	1	1	50.17	66.85057858
5821	28/12/2020	3	3.6	3.6.5.2	2300055743	883	27	28.1	32	1.9	17	1.01	61	17.2	28.24	75.04	1	1	1	1	1	46.80	62.36515811
5822	28/12/2020	3	3.6	3.6.5.2	2300055772	880	27	21.4	32	2.1	20.3	0.9	67	18.3	27.19	75.02	1	1	1	1	1	47.83	63.75869791
5823	28/12/2020	3	3.6	3.6.5.2	2300055775	895	19	27.1	32	1.9	15.9	1.1	61	17.5	28.77	75.11	1	1	1	1	1	46.35	61.70294836
5824	28/12/2020	3	3.6	3.6.5.2	2300055808	889	21	26.2	32	2.4	15	1.3	77	19.5	25.39	75.08	1	1	1	1	1	49.68	66.17992397
5825	28/12/2020	3	3.6	3.6.5.2	2300055794	900	17	25.9	32	2	17.3	0.9	64	15.6	24.33	75.15	1	1	1	1	1	50.82	67.62552232
5826	28/12/2020	3	3.6	3.6.5.2	2300055757	895	28	25.6	32	3.1	15.8	1.6	99	25.3	25.48	75.11	1	1	1	1	1	49.63	66.0730743
5827	28/12/2020	3	3.6	3.6.5.2	2300055782	905	42	30.1	31	3.9	16	2.3	121	36.8	30.44	75.18	1	1	1	1	1	44.74	59.5115874
5828	28/12/2020	3	3.6	3.6.5.2	2300055640	918	59	49.4	32	6.4	15.8	5.8	205	91.6	44.75	75.26	1	1	1	1	1	30.52	40.54560152
5829	28/12/2020	3	3.6	3.6.5.2	2300055733	953	12	20.2	30	4.5	20.5	2.1	135	43.1	31.89	75.49	1	1	1	1	1	43.60	57.75477989
5830	28/12/2020	3	3.6	3.6.5.2	2300055792	962	41	28.5	32	4.1	16.2	2.3	131	37.3	28.40	75.54	1	1	1	1	1	47.14	62.40622502
5831	28/12/2020	3	3.6	3.6.5.2	2300055793	966	36	28.6	32	3.7	14.4	2.1	118	30.2	25.54	75.57	1	1	1	1	1	50.03	66.20208905
5832	28/12/2020	3	3.6	3.6.5.2	2300055952	963	44	26.5	31	6.4	4	4.9	198	19.6	9.88	75.55	1	1	1	1	1	65.67	86.9237103
5833	28/12/2020	3	3.6	3.6.5.2	2300057778	965	44	24.5	31	5.7	10.5	4.2	177	44.1	24.96	75.56	1	1	1	1	1	50.60	66.97075888
5834	28/12/2020	3	3.6	3.6.5.2	2300057774	964	45	24.9	24	5.8	10.7	4.2	139	44.9	32.28	75.56	1	1	1	1	1	43.27	57.27056266
5835	28/12/2020	3	3.6	3.6.5.2	2300057739	953	50	20.9	31	5	15.6	2.9	155	45.2	29.19	75.49	1	1	1	1	1	46.30	61.33401412
5836	28/12/2020	3	3.6	3.6.5.2	2300057723	974	23	28.9	31	2.3	16.3	1.3	71	21.2	29.72	75.62	1	1	1	1	1	45.90	60.69868779
5837	28/12/2020	3	3.6	3.6.5.2	2300057712	981	49	29.9	31	4.1	15.5	3.02	127	46.8	36.83	75.66	1	1	1	1	1	38.84	51.32550011

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5838	28/12/2020	3	3.6	3.6.5.2	2300057715	978	45	28.9	31	4.4	16.2	2.5	136	40.5	29.69	75.65	1	1	1	1	1	45.95	60.7482271
5839	28/12/2020	3	3.6	3.6.5.2	2300057761	974	20	20.4	31	4.2	23.5	1.6	130	37.6	28.88	75.62	1	1	1	1	1	46.74	61.8106308
5840	28/12/2020	3	3.6	3.6.5.2	2300057714	950	28	28.5	32	2.8	23.7	1.6	90	37.9	42.32	75.47	1	1	1	1	1	33.14	43.91987309
5841	28/12/2020	3	3.6	3.6.5.3	2300049556	964	26	24	30	2.9	23.6	1.4	87	33.0	37.98	75.56	1	1	1	1	1	37.58	49.73633788
5842	28/12/2020	3	3.6	3.6.5.3	2300055860	968	20	20.4	31	3.4	23.9	1.6	105	38.2	36.28	75.58	1	1	1	1	1	39.30	51.99754051
5843	28/12/2020	3	3.6	3.6.5.3	2300055546	966	41	29.3	31	4.05	15.9	2.3	126	36.6	29.13	75.57	1	1	1	1	1	46.44	61.455003
5844	28/12/2020	3	3.6	3.6.5.3	2300057946	1051	137	57.1	32	7.6	22	6.4	243	140.8	57.89	76.11	1	1	1	1	0	18.22	23.9352105
5845	28/12/2020	3	3.6	3.6.5.3	2300057836	1043	131	44.6	31	7.2	22.7	5.6	223	127.1	56.95	76.06	1	1	1	1	1	19.11	25.121606
5846	28/12/2020	3	3.6	3.6.5.3	2300049567	983	136	55.3	31	7.3	21.4	6.8	226	145.5	64.30	75.68	1	1	1	0	0	11.37	15.02854068
5847	28/12/2020	3	3.6	3.6.5.3	2300057770	981	110	44.5	32	6.8	19	4.3	218	81.7	37.55	75.66	1	1	1	1	1	38.12	50.37830752
5848	28/12/2020	3	3.6	3.6.5.3	2300057722	1062	82	37.4	31	6.6	18.7	1.9	205	35.5	17.37	76.18	1	1	1	1	1	58.82	77.20536473
5849	28/12/2020	3	3.6	3.6.5.3	2300049565	1051	33	26.9	31	3.5	15.9	3.6	109	57.2	52.76	76.11	1	1	1	1	1	23.36	30.68703606
5850	28/12/2020	3	3.6	3.6.5.3	2300049573	1025	44	52.5	31	5.2	10.6	5.9	161	62.5	38.80	75.95	1	1	1	1	1	37.15	48.91564262
5851	28/12/2020	3	3.6	3.6.5.3	2300049571	1024	129	33.7	32	7.01	19.9	3.7	224	73.6	32.82	75.94	1	1	1	1	1	43.12	56.7766425
5852	28/12/2020	3	3.6	3.6.5.3	2300057995	1011	44	32	32	4.7	13.1	6.2	150	81.2	54.00	75.86	1	1	1	1	1	21.85	28.80935613
5853	28/12/2020	3	3.6	3.6.5.3	2300057852	1035	26	42.3	31	3.3	10.4	6.03	102	62.7	61.30	76.01	1	1	1	0	0	14.71	19.35001607
5854	28/12/2020	3	3.6	3.6.5.3	2300057851	1045	89	22.3	31	6.7	15.1	0.8	208	12.1	5.82	76.07	1	1	1	1	1	70.26	92.35470609
5855	28/12/2020	3	3.6	3.6.5.3	2300055543	1078	22	41.4	30	1.8	15.7	6.3	54	98.9	183.17	76.29	1	1	1	1	1	-106.88	-140.1077361
5856	28/12/2020	3	3.6	3.6.5.3	2300057873	1020	104	24.3	31	7.2	15.1	1.01	223	15.3	6.83	75.91	1	1	1	1	1	69.08	90.9991763
5857	28/12/2020	3	3.6	3.6.5.3	2300057867	1002	25	16.5	32	2.06	16.2	2.4	66	38.9	58.98	75.80	1	1	1	1	0	16.82	22.18797326
5858	28/12/2020	3	3.6	3.6.5.3	2300057720	998	25	17.1	32	4.5	10.3	2.5	144	25.8	17.88	75.77	1	1	1	1	1	57.89	76.40070045
5859	28/12/2020	3	3.6	3.6.5.3	2300056852	841	116	60.2	30	3.7	20.9	3.3	111	69.0	62.14	74.77	1	1	1	0	0	12.63	16.89652964
5860	28/12/2020	3	3.6	3.6.5.3	2300057898	989	17	22.1	32	5.4	25.1	1.6	173	40.2	23.24	75.72	1	1	1	1	1	52.47	69.30521486
5861	28/12/2020	3	3.6	3.6.2.1	2300056138	945	48	29.5	32	5.07	16.2	2.9	162	47.0	28.96	75.43	1	1	1	1	1	46.48	61.61266724
5862	28/12/2020	3	3.6	3.6.2.1	-	975	22	27	32	2.3	15.8	1.3	74	20.5	27.91	75.63	1	1	1	1	1	47.72	63.09786489
5863	28/12/2020	3	3.6	3.6.2.1	2300056072	996	109	44.1	32	7.08	15.6	6.5	227	101.4	44.76	75.76	1	1	1	1	1	31.00	40.92381253
5864	28/12/2020	3	3.6	3.6.2.1	2300056071	520	23	20	30	2.5	18	1.2	75	21.6	28.80	72.71	1	1	1	1	1	43.91	60.39277168
5865	28/12/2020	3	3.6	3.6.2.1	2300056070	989	20	20.6	32	2.6	20.2	2.4	83	48.5	58.27	75.72	1	1	1	1	0	17.45	23.04197448
5866	28/12/2020	3	3.6	3.6.2.1	2300056138	980	40	20.5	30	2.4	20.5	1.6	72	32.8	45.56	75.66	1	1	1	1	1	30.10	39.78752339
5867	28/12/2020	3	3.6	3.6.2.1	2300056067	937	13	21.6	32	2.1	15.9	0.9	67	14.3	21.29	75.38	1	1	1	1	1	54.09	71.7513241

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5868	28/12/2020	3	3.6	3.6.2.1	2300056068	942	16	26.3	32	1.7	16.5	0.8	54	13.2	24.26	75.41	1	1	1	1	1	51.15	67.82500798
5869	28/12/2020	3	3.6	3.6.2.1	2300056172	940	20	20.4	30	1.4	18.4	1.4	42	25.8	61.33	75.40	1	1	1	0	0	14.07	18.65821419
5870	28/12/2020	3	3.6	3.6.2.1	2300056139	950	20	20	30	2.4	18.4	1.5	72	27.6	38.33	75.47	1	1	1	1	1	37.13	49.20449827
5871	28/12/2020	3	3.6	3.6.2.1	2300055934	956	26	23.4	32	2.4	15.8	1.1	77	17.4	22.63	75.50	1	1	1	1	1	52.87	70.02796084
5872	28/12/2020	3	3.6	3.6.2.1	2300055959	968	131	54	31	6.8	20.5	5.2	211	106.6	50.57	75.58	1	1	1	1	1	25.01	33.0928062
5873	28/12/2020	3	3.6	3.6.2.1	2300055933	958	49	26.2	32	5.3	16.5	2.8	170	46.2	27.24	75.52	1	1	1	1	1	48.28	63.92799781
5874	28/12/2020	3	3.6	3.6.2.1	2300055960	961	85	36.1	31	6.6	16.9	4.6	205	77.7	38.00	75.54	1	1	1	1	1	37.54	49.69830448
5875	28/12/2020	3	3.6	3.6.2.1	2300056084	949	28	21.2	32	4.6	10.5	3.04	147	31.9	21.68	75.46	1	1	1	1	1	53.77	71.26305651
5876	28/12/2020	3	3.6	3.6.2.1	2300056129	951	30	27.8	32	2.9	16	1.5	93	24.0	25.86	75.47	1	1	1	1	1	49.61	65.7330773
5877	28/12/2020	3	3.6	3.6.2.1	2300055837	947	34	28.1	32	3.2	17.1	1.7	102	29.1	28.39	75.45	1	1	1	1	1	47.06	62.37259649
5878	28/12/2020	3	3.6	3.6.2.1	2300057033	949	127	50.1	32	6.9	19.7	5.7	221	112.3	50.86	75.46	1	1	1	1	1	24.60	32.60502539
5879	28/12/2020	3	3.6	3.6.2.1	2300057938	944	49	29.5	32	4.8	16.2	2.8	154	45.4	29.53	75.43	1	1	1	1	1	45.90	60.84821736
5880	28/12/2020	3	3.6	3.6.2.1	2300057974	963	49	32.4	32	3.05	16.4	1.8	98	29.5	30.25	75.55	1	1	1	1	1	45.30	59.96529197
5881	28/12/2020	3	3.6	3.6.2.1	-	962	42	27.7	32	4.2	16.3	2.3	134	37.5	27.89	75.54	1	1	1	1	1	47.65	63.07477981
5882	28/12/2020	3	3.6	3.6.2.1	2300057967	959	49	29.7	32	4.8	16.3	2.8	154	45.6	29.71	75.52	1	1	1	1	1	45.81	60.65661374
5883	28/12/2020	3	3.6	3.6.2.1	-	956	40	28.8	32	3.8	16.8	2.1	122	35.3	29.01	75.50	1	1	1	1	1	46.49	61.57421568
5884	28/12/2020	3	3.6	3.6.2.1	-	826	68.9	34	5.8	5.8	25.6	6.3	34	161.3	479.43	74.67	1	1	1	1	1	-404.76	-542.043447
5885	28/12/2020	3	3.6	3.6.2.3	2300055623	845	69.4	31	6.01	6.01	25.8	5.9	36	152.2	421.43	74.79	1	1	1	1	1	-346.63	-463.4508178
5886	28/12/2020	3	3.6	3.6.2.3	2300052170	850	26	33	3.1	3.1	16.3	1.6	10	26.1	271.38	74.83	1	1	1	1	1	-196.56	-262.6867333
5887	28/12/2020	3	3.6	3.6.2.3	-	850	69.9	33	6.1	6.1	25.5	5.5	37	140.3	376.91	74.83	1	1	1	1	1	-302.09	-403.7217115
5888	28/12/2020	3	3.6	3.6.2.3	-	832	26.3	33	1.7	1.7	16.5	0.9	3	14.9	513.84	74.71	1	1	1	1	1	-439.13	-587.7731606
5889	28/12/2020	3	3.6	3.6.2.3	2300056290	844	69.8	32	5.8	5.8	25	5.3	34	132.5	393.88	74.79	1	1	1	1	1	-319.09	-426.6599512
5890	28/12/2020	3	3.6	3.6.2.3	-	869	27.7	33	2	2	17.4	1.06	4	18.4	461.10	74.95	1	1	1	1	1	-386.15	-515.2298406
5891	28/12/2020	3	3.6	3.6.2.3	-	860	70.7	33	5.8	5.8	25.4	5.34	34	135.6	403.20	74.89	1	1	1	1	1	-328.31	-438.3877328
5892	28/12/2020	3	3.6	3.6.2.3	-	817	26.4	32	1.9	1.9	16.4	1.06	4	17.4	481.55	74.61	1	1	1	1	1	-406.94	-545.3830159
5893	28/12/2020	3	3.6	3.6.2.3	2300055716	815	71.8	32	5.3	5.3	25.3	4.9	28	124.0	441.33	74.60	1	1	1	1	1	-366.73	-491.5812373
5894	28/12/2020	3	3.6	3.6.2.3	2300056292	835	24.4	32	4.7	4.7	16.5	2.2	22	36.3	164.33	74.73	1	1	1	1	1	-89.60	-119.8952899
5895	28/12/2020	3	3.6	3.6.2.3	2300056251	869	70.9	32	5.9	5.9	25.2	5.4	35	136.1	390.92	74.95	1	1	1	1	1	-315.97	-421.5939521
5896	28/12/2020	3	3.6	3.6.2.3	23000	848	67	32	5.7	5.7	24.5	5.09	32	124.7	383.83	74.81	1	1	1	1	1	-309.01	-413.0455488
5897	28/12/2020	3	3.6	3.6.2.3	2300055622	725	72.1	32	5.05	5.05	25.1	4.7	26	118.0	462.58	74.03	1	1	1	1	1	-388.56	-524.8913892

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5898	28/12/2020	3	3.6	3.6.2.3	23000	874	69.6	32	5.7	5.7	24.8	5.2	32	129.0	396.92	74.98	1	1	1	1	1	-321.94	-429.3734961
5899	28/12/2020	3	3.6	3.6.2.3	2300055626	861	68.5	32	6.1	6.1	25.2	5.5	37	138.6	372.48	74.90	1	1	1	1	1	-297.58	-397.3276633
5900	28/12/2020	3	3.6	3.6.2.3	2300056329	858	69.7	32	5.9	5.9	24.9	5.4	35	134.5	386.27	74.88	1	1	1	1	1	-311.39	-415.8690679
5901	28/12/2020	3	3.6	3.6.2.3	2300056258	851	70.3	32	5.9	5.9	25.1	5.3	35	133.0	382.16	74.83	1	1	1	1	1	-307.33	-410.6882831
5902	28/12/2020	3	3.6	3.6.2.3	2300056310	853	68.7	32	5.8	5.8	24.5	5.3	34	129.9	386.00	74.85	1	1	1	1	1	-311.15	-415.729547
5903	28/12/2020	3	3.6	3.6.2.3	2300055741	852	70.6	32	5.7	5.7	25	5.19	32	129.8	399.35	74.84	1	1	1	1	1	-324.51	-433.6184536
5904	28/12/2020	3	3.6	3.6.2.3	2300055838	844	76.9	32	5.8	5.8	24.8	5.2	34	129.0	383.35	74.79	1	1	1	1	1	-308.57	-412.5891873
5905	28/12/2020	3	3.6	3.6.2.3	2300055859	860	70.5	32	5.8	5.8	24.8	5.3	34	131.4	390.73	74.89	1	1	1	1	1	-315.84	-421.73231
5906	28/12/2020	3	3.6	3.6.2.3	2300055506	893	45.4	32	6.1	6.1	18.8	5.1	37	95.9	257.67	75.10	1	1	1	1	1	-182.57	-243.1006011
5907	28/12/2020	3	3.6	3.6.2.3	2300055333	920	63.1	32	6.9	6.9	23.8	6.04	48	143.8	301.94	75.27	1	1	1	1	1	-226.66	-301.1166777
5908	28/12/2020	3	3.6	3.6.2.3	2300055866	993	24	23.4	31	3.3	16.3	1.4	102	22.8	22.31	75.74	1	1	1	1	1	53.43	70.54847247
5909	28/12/2020	3	3.6	3.6.3.2	2300052545	1056	37	29.1	32	3.8	16.8	2.1	122	35.3	29.01	76.14	1	1	1	1	1	47.13	61.89718759
5910	28/12/2020	3	3.6	3.6.3.2	2300052601	769	31	23.5	30	2.3	16.5	1.05	69	17.3	25.11	74.31	1	1	1	1	1	49.20	66.20978789
5911	28/12/2020	3	3.6	3.6.3.2	2300056657	992	17	23	32	2.1	17.1	0.9	67	15.4	22.90	75.73	1	1	1	1	1	52.83	69.76055167
5912	28/12/2020	3	3.6	3.6.3.2	2300052593	892	31	24.1	32	2.1	15.8	1.02	67	16.1	23.98	75.09	1	1	1	1	1	51.11	68.0641764
5913	28/12/2020	3	3.6	3.6.3.2	2300052113	1016	42	28.8	32	4.1	15.7	2.5	131	39.3	29.92	75.89	1	1	1	1	1	45.97	60.57874651
5914	28/12/2020	3	3.6	3.6.3.2	2300052514	991	25.5	28.1	32	2.5	16.3	1.4	80	22.8	28.53	75.73	1	1	1	1	1	47.20	62.33249349
5915	28/12/2020	3	3.6	3.6.3.2	2300052598	624	19	27.7	31	2.02	15.8	1.1	63	17.4	27.75	73.38	1	1	1	1	1	45.62	62.17653005
5916	28/12/2020	3	3.6	3.6.3.2	2300056857	841	25	24.6	32	3.4	16.5	1.6	109	26.4	24.26	74.77	1	1	1	1	1	50.50	67.54684348
5917	28/12/2020	3	3.6	3.6.3.2	2300052391	972	17	28	31	1.2	19.6	0.5	37	9.8	26.34	75.61	1	1	1	1	1	49.26	65.15645944
5918	28/12/2020	3	3.6	3.6.3.2	2300052515	978	26	20.3	32	5.5	6.2	4.9	176	30.4	17.26	75.65	1	1	1	1	1	58.38	77.18115143
5919	28/12/2020	3	3.6	3.6.3.2	2300052127	974	17	33	20	0.8	1.96	0.4	16	0.8	4.90	75.62	1	1	1	1	1	70.72	93.52019847
5920	28/12/2020	3	3.6	3.6.3.2	2300052125	961	31	40	31	1.1	25.7	0.5	34	12.9	37.68	75.54	1	1	1	1	1	37.85	50.11241672
5921	28/12/2020	3	3.6	3.6.3.2	2300052127	975	120	49.6	31	6.9	20.4	5.4	214	110.2	51.50	75.63	1	1	1	1	1	24.13	31.90079964
5922	28/12/2020	3	3.6	3.6.3.2	-	970	21	18.7	30	2.02	21.9	0.4	61	8.8	14.46	75.59	1	1	1	1	1	61.14	80.87752263
5923	28/12/2020	3	3.6	3.6.3.2	2300056847	968	137	57.4	31	6.8	22.3	5.6	211	124.9	59.24	75.58	1	1	1	1	0	16.34	21.61941499
5924	28/12/2020	3	3.6	3.6.3.2	2300056851	965	18	30.8	31	1.6	18.1	0.9	50	16.3	32.84	75.56	1	1	1	1	1	42.72	56.53537236
5925	28/12/2020	3	3.6	3.6.3.2	2300057614	978	31	22.5	31	4.3	10	3.1	133	31.0	23.26	75.65	1	1	1	1	1	52.39	69.25672223
5926	28/12/2020	3	3.6	3.6.3.2	2300056915	981	29	33.1	32	2.4	20.6	1.2	77	24.7	32.19	75.66	1	1	1	1	1	43.48	57.46017942
5927	28/12/2020	3	3.6	3.6.3.2	2300056613	986	37	27.3	32	1.47	19	0.8	47	15.2	32.31	75.70	1	1	1	1	1	43.38	57.31246774

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5928	28/12/2020	3	3.6	3.6.3.2	2300057062	984	23	32.3	31	2.3	10.54	2.3	71	24.2	34.00	75.68	1	1	1	1	1	41.68	55.07613274
5929	28/12/2020	3	3.6	3.6.3.2	2300056084	978	121	50.6	31	6.8	20.2	5.85	211	118.2	56.06	75.65	1	1	1	1	1	19.59	25.89367896
5930	28/12/2020	3	3.6	3.6.3.2	-	974	17	30.5	30	1.4	13.1	1.2	42	15.7	37.43	75.62	1	1	1	1	1	38.19	50.50413989
5931	28/12/2020	3	3.6	3.6.3.2	2300052592	976	27	21.4	30	1.8	16.6	0.7	54	11.6	21.52	75.63	1	1	1	1	1	54.11	71.54854465
5932	28/12/2020	3	3.6	3.6.3.2	2300056866	988	22	18.8	31	4.2	5.6	4.04	130	22.6	17.38	75.71	1	1	1	1	1	58.33	77.04856994
5933	28/12/2020	3	3.6	3.6.3.4	2300052517	965	22	28.2	31	2.2	15.3	1.3	68	19.9	29.16	75.56	1	1	1	1	1	46.40	61.4035853
5934	28/12/2020	3	3.6	3.6.3.4	2300052513	975	42	31.7	31	4.8	11.2	4.08	149	45.7	30.71	75.63	1	1	1	1	1	44.92	59.39269905
5935	28/12/2020	3	3.6	3.6.3.4	2300052119	978	17	30	31	1.7	22	0.7	53	15.4	29.22	75.65	1	1	1	1	1	46.42	61.36964224
5936	28/12/2020	3	3.6	3.6.3.4	2300056863	979	82	38.2	31	6.4	13.9	5.8	198	80.6	40.64	75.65	1	1	1	1	1	35.02	46.28655488
5937	28/12/2020	3	3.6	3.6.3.4	2300056920	984	81	37	31	6.9	13.8	5.9	214	81.4	38.06	75.68	1	1	1	1	1	37.62	49.70572736
5938	28/12/2020	3	3.6	3.6.3.4	2300052599	974	39.2	27.3	31	5.2	19.5	3.3	161	64.4	39.92	75.62	1	1	1	1	1	35.70	47.2103068
5939	28/12/2020	3	3.6	3.6.3.4	23000	968	46	46.3	30	6.6	23.6	4.1	198	96.8	48.87	75.58	1	1	1	1	1	26.71	35.34280103
5940	28/12/2020	3	3.6	3.6.3.4	23000	974	16	69.7	31	6.5	24.1	6.02	202	145.1	72.00	75.62	0	0	0	0	0	3.62	4.785277156
5941	28/12/2020	3	3.6	3.6.3.4	2300056053	988	9	19.1	31	1.4	11	0.8	43	8.8	20.28	75.71	1	1	1	1	1	55.43	73.21792108
5942	28/12/2020	3	3.6	3.6.3.4	2300056677	980	25	28.8	31	2.5	16.1	1.4	78	22.5	29.08	75.66	1	1	1	1	1	46.57	61.55876316
5943	28/12/2020	3	3.6	3.6.3.4	2300057611	984	78	43.1	31	5.3	18.6	3.7	164	68.8	41.89	75.68	1	1	1	1	1	33.80	44.65539106
5944	28/12/2020	3	3.6	3.6.3.4	2300057610	975	42	44.8	31	5.2	26.1	2.8	161	73.1	45.33	75.63	1	1	1	1	1	30.29	40.05370165
5945	28/12/2020	3	3.6	3.6.3.4	2300052519	965	114	48.6	31	6.7	14	5.4	208	75.6	36.40	75.56	1	1	1	1	1	39.16	51.82942233
5946	28/12/2020	3	3.6	3.6.3.4	2300052122	968	48	25.7	30	5.2	16.1	2.8	156	45.1	28.90	75.58	1	1	1	1	1	46.68	61.76637061
5947	28/12/2020	3	3.6	3.6.3.4	2300052516	988	70	35.4	30	5.7	16.6	3.8	171	63.1	36.89	75.71	1	1	1	1	1	38.82	51.27555318
5948	28/12/2020	3	3.6	3.6.3.4	2300052597	991	37	28.7	31	3.8	15.7	2.2	118	34.5	29.32	75.73	1	1	1	1	1	46.41	61.28152338
5949	28/12/2020	3	3.6	3.6.3.4	2300052132	980	35	28.7	31	6.7	27	2.09	208	56.4	27.17	75.66	1	1	1	1	1	48.49	64.0897278
5950	28/12/2020	3	3.6	3.6.3.4	2300052126	975	24	27.88	31	2.5	15.8	1.4	78	22.1	28.54	75.63	1	1	1	1	1	47.08	62.25909676
5951	28/12/2020	3	3.6	3.6.3.4	2300057833	980	49	30.4	31	4.7	16.3	2.8	146	45.6	31.32	75.66	1	1	1	1	1	44.33	58.5970556
5952	28/12/2020	3	3.6	3.6.3.4	2300052069	982	95	42	31	6.7	17.6	4.9	208	86.2	41.52	75.67	1	1	1	1	1	34.15	45.12886723
5953	28/12/2020	3	3.6	3.6.3.4	2300052178	985	118	50.4	31	6.5	22.7	0.4	202	9.1	4.51	75.69	1	1	1	1	1	71.18	94.04650089
5954	28/12/2020	3	3.6	3.6.3.4	2300052067	978	19	24.5	32	0.9	16.2	0.4	29	6.5	22.50	75.65	1	1	1	1	1	53.15	70.25587876
5955	28/12/2020	3	3.6	3.6.3.4	2300052186	969	35	22.5	31	4.7	11.9	2.9	146	34.5	23.69	75.59	1	1	1	1	1	51.90	68.66462825
5956	28/12/2020	3	3.6	3.6.3.4	2300057835	974	47	29.2	31	6.8	12.1	5.3	211	64.1	30.42	75.62	1	1	1	1	1	45.20	59.76942335
5957	28/12/2020	5	5.5	5.5.1.1	2300053999	977	136	51.7	31	6.8	21.6	5.6	211	121.0	57.38	75.64	1	1	1	1	0	18.26	24.13760639

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5958	28/12/2020	5	5.5	5.5.1.1	23000	976	29	25.1	31	2.9	16	1.4	90	22.4	24.92	75.63	1	1	1	1	1	50.72	67.05568781
5959	28/12/2020	5	5.5	5.5.1.1	23000	981	37	16.7	31	3.5	20.6	0.9	109	18.5	17.09	75.66	1	1	1	1	1	58.58	77.41664825
5960	28/12/2020	5	5.5	5.5.1.1	23000	971	22	27.4	31	3.5	17.2	1.1	109	18.9	17.44	75.60	1	1	1	1	1	58.16	76.93426487
5961	28/12/2020	5	5.5	5.5.1.1	2300050628	966	46	40.3	31	2.2	15.7	5.9	68	92.6	135.82	75.57	1	1	1	1	1	-60.25	-79.73268505
5962	28/12/2020	5	5.5	5.5.1.1	23000	944	16	19.2	31	6.6	10.3	1.6	205	16.5	8.05	75.43	1	1	1	1	1	67.37	89.32122862
5963	28/12/2020	5	5.5	5.5.1.1	23000	948	31	27.7	31	6.9	23.1	1.1	214	25.4	11.88	75.45	1	1	1	1	1	63.57	84.25595881
5964	28/12/2020	5	5.5	5.5.1.1	23000	941	26	25.3	31	2.7	7	1.3	84	9.1	10.87	75.41	1	1	1	1	1	64.54	85.58229258
5965	28/12/2020	5	5.5	5.5.1.1	23000	968	26	25	31	2.9	19.5	1	90	19.5	21.69	75.58	1	1	1	1	1	53.89	71.30137188
5966	28/12/2020	5	5.5	5.5.1.1	23000	966	48	26.6	31	6.9	25.3	3.1	214	78.4	36.67	75.57	1	1	1	1	1	38.90	51.47883683
5967	28/12/2020	5	5.5	5.5.1.1	2300050822	964	29	27.1	31	2.9	16.5	1.6	90	26.4	29.37	75.56	1	1	1	1	1	46.19	61.13330821
5968	28/12/2020	5	5.5	5.5.1.1	2300048185	967	21	21	31	3.2	10.9	2.07	99	22.6	22.74	75.57	1	1	1	1	1	52.83	69.90404251
5969	28/12/2020	5	5.5	5.5.1.1	2300050823	954	48	33.1	30	5.05	23.9	3.3	152	78.9	52.06	75.49	1	1	1	1	1	23.43	31.03947202
5970	28/12/2020	5	5.5	5.5.1.1	2300048852	965	112	46.2	32	6.8	16.1	5.4	218	86.9	39.95	75.56	1	1	1	1	1	35.61	47.12415749
5971	28/12/2020	5	5.5	5.5.1.1	2300050625	966	83	36	31	6.2	18.6	5.8	192	107.9	56.13	75.57	1	1	1	1	1	19.44	25.72420184
5972	28/12/2020	5	5.5	5.5.1.1	23000	993	132	53.7	31	7.03	26.6	5.9	218	156.9	72.01	75.74	0	0	0	0	0	3.73	4.921034479
5973	28/12/2020	5	5.5	5.5.1.1	2300050495	981	89	37.7	31	6.4	23.2	3.7	198	85.8	43.27	75.66	1	1	1	1	1	32.40	42.81838086
5974	28/12/2020	5	5.5	5.5.1.1	23000	964	92	41.6	31	6.8	23	5.2	211	119.6	56.74	75.56	1	1	1	1	0	18.82	24.907958
5975	28/12/2020	5	5.5	5.5.1.1	2300050633	960	87	36.9	30	6.7	17.4	4.5	201	78.3	38.96	75.53	1	1	1	1	1	36.57	48.42417069
5976	28/12/2020	5	5.5	5.5.1.1	2300050953	958	121	49.8	30	6.9	19.9	5.5	207	109.5	52.87	75.52	1	1	1	1	1	22.64	29.98363799
5977	28/12/2020	5	5.5	5.5.1.1	23000	959	137	55.9	31	6.9	20.9	5.9	214	123.3	57.65	75.52	1	1	1	1	0	17.88	23.66831845
5978	28/12/2020	5	5.5	5.5.1.1	23000	975	138	59.3	31	6.8	21.3	5.8	211	123.5	58.61	75.63	1	1	1	1	0	17.02	22.50639583
5979	28/12/2020	5	5.5	5.5.1.1	23000	909	24	27.1	34	2.7	16.7	1.5	92	25.1	27.29	75.20	1	1	1	1	1	47.92	63.71505925
5980	28/12/2020	5	5.5	5.5.1.1	23000	902	24	28	34	2.3	16.8	1.3	78	21.8	27.93	75.16	1	1	1	1	1	47.23	62.84082669
5981	28/12/2020	5	5.5	5.5.1.2	2300053587	870	83	35.3	34	6.2	18.1	1.05	211	19.0	9.02	74.95	1	1	1	1	1	65.94	87.97174981
5982	28/12/2020	5	5.5	5.5.1.2	2300053500	897	26	24.7	34	2.5	17.3	1.2	85	20.8	24.42	75.13	1	1	1	1	1	50.70	67.49025726
5983	28/12/2020	5	5.5	5.5.1.2	23000	885	28	28.3	33	2.9	16	1.7	96	27.2	28.42	75.05	1	1	1	1	1	46.63	62.12904389
5984	28/12/2020	5	5.5	5.5.1.2	2300050637	544	31	21.2	32	3.6	24.7	1.05	115	25.9	22.51	72.87	1	1	1	1	1	50.35	69.10420978
5985	28/12/2020	5	5.5	5.5.1.2	2300053501	932	32	28.6	33	3.03	16.6	1.7	100	28.2	28.22	75.35	1	1	1	1	1	47.13	62.54476093
5986	28/12/2020	5	5.5	5.5.1.2	23000	921	27	31.8	33	2.4	22.1	1.7	79	37.6	47.44	75.28	1	1	1	1	1	27.84	36.98642849
5987	28/12/2020	5	5.5	5.5.1.2	2300053503	904	26	27.5	33	2.8	15.7	1.6	92	25.1	27.19	75.17	1	1	1	1	1	47.99	63.8345503

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
5988	28/12/2020	5	5.5	5.5.1.2	2300050629	907	27	26	33	3.03	15.9	1.6	100	25.4	25.44	75.19	1	1	1	1	1	49.75	66.16268978
5989	28/12/2020	5	5.5	5.5.1.2	2300053581	925	13	24.4	32	0.7	17.5	0.3	22	5.3	23.44	75.31	1	1	1	1	1	51.87	68.87698191
5990	28/12/2020	5	5.5	5.5.1.2	23000	917	84	40.6	32	6.2	14.8	5.3	198	78.4	39.54	75.25	1	1	1	1	1	35.72	47.46343048
5991	28/12/2020	5	5.5	5.5.1.2	2300053498	947	87	39.9	32	6.4	14.9	5.6	205	83.4	40.74	75.45	1	1	1	1	1	34.70	45.99878656
5992	28/12/2020	5	5.5	5.5.1.2	2300053558	933	92	40.8	32	6.6	14.8	5.8	211	85.8	40.64	75.36	1	1	1	1	1	34.71	46.06495545
5993	28/12/2020	5	5.5	5.5.1.2	23000	964	28	27.5	32	2.08	16.2	1.9	67	30.8	46.24	75.56	1	1	1	1	1	29.31	38.79475461
5994	28/12/2020	5	5.5	5.5.1.2	2300050497	933	117	50.8	31	6.4	19.2	5.4	198	103.7	52.26	75.36	1	1	1	1	1	23.10	30.65285797
5995	28/12/2020	5	5.5	5.5.1.2	23000	933	54	24.8	31	6.3	11.9	4.6	195	54.7	28.03	75.36	1	1	1	1	1	47.33	62.80557951
5996	28/12/2020	5	5.5	5.5.1.2	2300050599	943	127	54	31	6.5	20.7	5.4	202	111.8	55.47	75.42	1	1	1	1	1	19.95	26.44780856
5997	28/12/2020	5	5.5	5.5.1.2	2300050602	909	97	43.6	31	6.3	16.6	5.2	195	86.3	44.20	75.20	1	1	1	1	1	31.00	41.22798814
5998	28/12/2020	5	5.5	5.5.1.2	2300050414	974	44	31.4	31	3.9	16	1.6	121	25.6	21.17	75.62	1	1	1	1	1	54.45	71.99862946
5999	29/12/2020	5	5.5	5.5.1.2	23000	973	125	53.3	32	6.6	20.4	5.5	211	112.2	53.13	75.61	1	1	1	1	1	22.49	29.74110341
6000	29/12/2020	5	5.5	5.5.1.2	23000	979	105	43.2	31	6.7	15.7	5.2	208	81.6	39.31	75.65	1	1	1	1	1	36.34	48.04248377
6001	29/12/2020	5	5.5	5.5.1.2	23000	971	48	24.6	31	6.1	11.2	4.3	189	48.2	25.47	75.60	1	1	1	1	1	50.13	66.31233916
6002	29/12/2020	5	5.5	5.5.1.2	2300053562	941	49	26.9	31	6.3	11.4	2.7	195	30.8	15.76	75.41	1	1	1	1	1	59.65	79.09998268
6003	29/12/2020	5	5.5	5.5.1.2	23000	934	13	26.8	31	1.3	16.1	0.7	40	11.3	27.97	75.36	1	1	1	1	1	47.40	62.89288125
6004	29/12/2020	5	5.5	5.5.1.2	2300053591	964	108	50.8	30	6.1	18.5	5.3	183	98.1	53.58	75.56	1	1	1	1	1	21.98	29.08634837
6005	29/12/2020	3	3.5	3.5.2.2	2300047185	962	118	55.7	31	6.06	20	5.3	188	106.0	56.42	75.54	1	1	1	1	1	19.12	25.30724657
6006	29/12/2020	3	3.5	3.5.2.2	2300047819	940	104	48.5	31	6.2	18.3	5.2	192	95.2	49.51	75.40	1	1	1	1	1	25.89	34.33738347
6007	29/12/2020	3	3.5	3.5.2.2	2300047189	957	49	30.6	30	5.1	11.2	4.2	153	47.0	30.75	75.51	1	1	1	1	1	44.77	59.28384014
6008	29/12/2020	3	3.5	3.5.2.2	23000	953	91	41.4	31	6.3	14.1	4.8	195	67.7	34.65	75.49	1	1	1	1	1	40.83	54.0911624
6009	29/12/2020	3	3.5	3.5.2.2	2300053271	954	130	57.5	30	6.5	20.7	5.6	195	115.9	59.45	75.49	1	1	1	1	0	16.05	21.25461131
6010	29/12/2020	3	3.5	3.5.2.2	2300053216	954	136	60.6	31	6.3	22.4	5.4	195	121.0	61.94	75.49	1	1	1	0	0	13.56	17.95711858
6011	29/12/2020	3	3.5	3.5.2.2	2300053280	950	118	53	30	6.4	19.6	5.3	192	103.9	54.10	75.47	1	1	1	1	1	21.36	28.30656631
6012	29/12/2020	3	3.5	3.5.2.2	2300053272	956	130	66.7	31	6.3	23.6	5.6	195	132.2	67.67	75.50	1	1	0	0	0	7.83	10.37575175
6013	29/12/2020	3	3.5	3.5.2.2	23000	953	19	28.3	31	1.9	16.4	1.05	59	17.2	29.24	75.49	1	1	1	1	1	46.25	61.26923793
6014	29/12/2020	3	3.5	3.5.2.2	2300053276	951	46	25.1	31	3.2	17.1	2.1	99	35.9	36.20	75.47	1	1	1	1	1	39.27	52.03598034
6015	29/12/2020	3	3.5	3.5.2.2	2300053279	951	44	23	20	2.5	11.7	1.5	50	17.6	35.10	75.47	1	1	1	1	1	40.37	53.49293252
6016	29/12/2020	3	3.5	3.5.2.2	2300053281	950	40	20.1	30	6.7	23.4	2.9	201	67.9	33.76	75.47	1	1	1	1	1	41.70	55.26304027
6017	29/12/2020	3	3.5	3.5.2.2	2300053289	981	80	35.9	32	6.5	6.67	4.4	208	29.3	14.11	75.66	1	1	1	1	1	61.55	81.3523726

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6018	29/12/2020	3	3.5	3.5.2.2	23000	978	26	23.8	31	2.2	16	1.06	68	17.0	24.87	75.65	1	1	1	1	1	50.78	67.12542872
6019	29/12/2020	3	3.5	3.5.2.2	23000	978	24	28	31	2.5	16	1.4	78	22.4	28.90	75.65	1	1	1	1	1	46.74	61.79106433
6020	29/12/2020	3	3.5	3.5.2.2	2300053598	970	19	25.5	30	2.2	15.1	1.2	66	18.1	27.45	75.59	1	1	1	1	1	48.14	63.68158127
6021	29/12/2020	3	3.5	3.5.2.2	23000	971	49	28.2	32	3.8	16.3	2.3	122	37.5	30.83	75.60	1	1	1	1	1	44.77	59.21900928
6022	29/12/2020	3	3.5	3.5.2.2	2300048940	970	15	22.8	30	2.4	10.3	1.4	72	14.4	20.03	75.59	1	1	1	1	1	55.57	73.50612776
6023	29/12/2020	3	3.5	3.5.2.2	2300053102	966	12	26.4	32	1.4	16	6.7	45	107.2	239.29	75.57	1	1	1	1	1	-163.72	-216.6478505
6024	29/12/2020	3	3.5	3.5.2.2	23000	975	138	65.5	31	6.1	22.9	5.9	189	135.1	71.45	75.63	1	0	0	0	0	4.18	5.523274007
6025	29/12/2020	3	3.5	3.5.2.2	2300053283	959	45	26.8	30	5.6	10.9	4.2	168	45.8	27.25	75.52	1	1	1	1	1	48.27	63.9185632
6026	29/12/2020	3	3.5	3.5.2.2	2300053288	948	136	59.2	30	6.4	22.1	5.9	192	130.4	67.91	75.45	1	0	0	0	0	7.54	9.995257546
6027	29/12/2020	3	3.5	3.5.2.2	23000	952	23	37	31	6.4	16.8	4.5	198	75.6	38.10	75.48	1	1	1	1	1	37.37	49.51583927
6028	29/12/2020	3	3.5	3.5.2.2	23000	949	20	18.4	30	2.4	20.2	1.4	72	28.3	39.28	75.46	1	1	1	1	1	36.18	47.94860061
6029	29/12/2020	3	3.5	3.5.2.4	2300050649	964	20	20.4	30	2.4	20.1	1.4	72	28.1	39.08	75.56	1	1	1	1	1	36.47	48.27208925
6030	29/12/2020	3	3.5	3.5.2.4	2300047116	969	20	16.4	11	2.4	18.4	1.8	26	33.1	125.45	75.59	1	1	1	1	1	-49.87	-65.97238893
6031	29/12/2020	3	3.5	3.5.2.4	23000	951	123	54.5	30	6.3	19.7	5.5	189	108.4	57.33	75.47	1	1	1	1	0	18.14	24.04105033
6032	29/12/2020	3	3.5	3.5.2.4	2300050659	963	111	52.7	30	6.1	19.3	5.2	183	100.4	54.84	75.55	1	1	1	1	1	20.71	27.40951585
6033	29/12/2020	3	3.5	3.5.2.4	2300053074	967	132	59.4	30	6.4	21	5.6	192	117.6	61.25	75.57	1	1	1	0	0	14.32	18.9544663
6034	29/12/2020	3	3.5	3.5.2.4	2300053283	971	20	18.5	30	2.4	21.2	1.4	72	29.7	41.22	75.60	1	1	1	1	1	34.38	45.47353953
6035	29/12/2020	3	3.5	3.5.2.4	2300053118	961	132	63.8	30	5.9	22.2	5.34	177	118.5	66.98	75.54	1	1	0	0	0	8.56	11.33245536
6036	29/12/2020	3	3.5	3.5.2.4	2300053217	960	40	20.2	30	2.4	21.2	2.1	72	44.5	61.83	75.53	1	1	1	0	0	13.70	18.13407476
6037	29/12/2020	3	3.5	3.5.2.4	2300053129	960	40	20.4	30	2.5	20.8	1.8	75	37.4	49.92	75.53	1	1	1	1	1	25.61	33.9070568
6038	29/12/2020	3	3.5	3.5.2.4	23000	972	17	27.3	31	1.8	16.4	0.9	56	14.8	26.45	75.61	1	1	1	1	1	49.16	65.01424091
6039	29/12/2020	3	3.5	3.5.2.4	2300053290	883	106	64.7	20	7.03	15	6.4	141	96.0	68.28	75.04	1	0	0	0	0	6.76	9.006725836
6040	29/12/2020	3	3.5	3.5.2.4	2300052160	990	40.2	20.2	32	2.4	10.1	1.8	77	18.2	23.67	75.72	1	1	1	1	1	52.05	68.73844457
6041	29/12/2020	3	3.5	3.5.2.4	2300053486	974	83	37.5	30	6.6	13.4	5.8	198	77.7	39.25	75.62	1	1	1	1	1	36.37	48.0921279
6042	29/12/2020	3	3.5	3.5.2.4	2300053272	978	135	60.9	30	6.4	21.8	5.6	192	122.1	63.58	75.65	1	1	1	0	0	12.06	15.94531664
6043	29/12/2020	3	3.5	3.5.2.4	2300053218	871	137	65.5	32	5.3	23.3	4.7	170	109.5	64.57	74.96	1	1	0	0	0	10.39	13.86175171
6044	29/12/2020	3	3.5	3.5.2.4	2300053170	855	136	69.7	32	5.09	23.8	4.7	163	111.9	68.68	74.86	1	0	0	0	0	6.18	8.257866721
6045	29/12/2020	3	3.5	3.5.2.4	2300053497	851	20	20.1	23	2.4	18.5	1.2	55	22.2	40.22	74.83	1	1	1	1	1	34.62	46.25671326
6046	29/12/2020	3	3.5	3.5.2.4	2300053287	878	124	65.7	32	4.9	22.7	4.4	157	99.9	63.70	75.01	1	1	1	0	0	11.31	15.07391542
6047	29/12/2020	3	3.5	3.5.2.4	2300053171	880	112	50.3	32	5.7	20.4	4.8	182	97.9	53.68	75.02	1	1	1	1	1	21.33	28.43822746

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6048	29/12/2020	3	3.5	3.5.2.4	2300053112	884	131	62.9	32	5.4	22.9	4.4	173	100.8	58.31	75.04	1	1	1	1	0	16.73	22.29825703
6049	29/12/2020	3	3.5	3.5.2.4	2300053595	888	85	63	31	5.3	14.9	4.9	164	73.0	44.44	75.07	1	1	1	1	1	30.63	40.80527636
6050	29/12/2020	3	3.5	3.5.2.4	2300053113	880	134	66.7	31	5.3	23.3	4.8	164	111.8	68.07	75.02	1	0	0	0	0	6.95	9.260973958
6051	29/12/2020	3	3.5	3.5.2.4	2300053586	864	108	51.2	31	5.1	19	4.8	158	91.2	57.69	74.92	1	1	1	1	0	17.23	23.00000335
6052	29/12/2020	3	3.5	3.5.2.4	2300053224	845	90	63.4	32	5.6	15	5.6	179	84.0	46.88	74.79	1	1	1	1	1	27.92	37.32786052
6053	29/12/2020	3	3.6	3.6.2.2	2300056039	889	120	42.6	31	5.7	17.5	5.8	177	101.5	57.44	75.08	1	1	1	1	0	17.63	23.48780153
6054	29/12/2020	3	3.6	3.6.2.2	2300052215	915	134	65.3	32	5.5	23.6	4.8	176	113.3	64.36	75.24	1	1	0	0	0	10.88	14.45783424
6055	29/12/2020	3	3.6	3.6.2.2	2300052160	910	134	65.5	31	5.5	3.37	4.8	171	16.2	9.49	75.21	1	1	1	1	1	65.72	87.38546732
6056	29/12/2020	3	3.6	3.6.2.2	2300052855	926	121	52.6	31	6.2	20.5	5.1	192	104.6	54.40	75.31	1	1	1	1	1	20.92	27.77223669
6057	29/12/2020	3	3.6	3.6.2.2	2300052224	920	20	18.8	31	2.4	18.4	1.4	74	25.8	34.62	75.27	1	1	1	1	1	40.65	54.00316721
6058	29/12/2020	3	3.6	3.6.2.2	2300055951	918	18	20.2	30	2.6	20.1	1.6	78	32.2	41.23	75.26	1	1	1	1	1	34.03	45.21643393
6059	29/12/2020	3	3.6	3.6.2.2	23000	926	20	20.4	30	2.4	15.5	1.4	72	21.7	30.14	75.31	1	1	1	1	1	45.17	59.98150519
6060	29/12/2020	3	3.6	3.6.2.2	2300058089	930	47	32.9	31	6.4	12.5	5.3	198	66.3	33.39	75.34	1	1	1	1	1	41.95	55.67689998
6061	29/12/2020	3	3.6	3.6.2.2	2300052477	931	128	65.1	32	5.4	22.4	5.01	173	112.2	64.94	75.34	1	1	0	0	0	10.40	13.80322301
6062	29/12/2020	3	3.6	3.6.2.2	2300057941	937	20	18.2	29	2.4	20.1	2.1	70	42.2	60.65	75.38	1	1	1	0	0	14.74	19.54855521
6063	29/12/2020	3	3.6	3.6.2.2	23000	930	15	17.4	32	4	25.2	2.4	128	60.5	47.25	75.34	1	1	1	1	1	28.09	37.28264621
6064	29/12/2020	3	3.6	3.6.2.2	2300057973	901	22	28.6	32	2.1	17	1.2	67	20.4	30.36	75.15	1	1	1	1	1	44.80	59.60589035
6065	29/12/2020	3	3.6	3.6.2.2	2300055979	928	20	26.6	32	2.1	16.1	1.1	67	17.7	26.35	75.33	1	1	1	1	1	48.97	65.01281554
6066	29/12/2020	3	3.6	3.6.2.2	23000	934	26	23.1	32	3.8	24	1.2	122	28.8	23.68	75.36	1	1	1	1	1	51.68	68.57340875
6067	29/12/2020	3	3.6	3.6.2.2	2300052149	921	17	21.6	32	1.7	24.4	0.7	54	17.1	31.40	75.28	1	1	1	1	1	43.88	58.29318279
6068	29/12/2020	3	3.6	3.6.2.2	2300058024	958	133	55.4	31	6.6	23	5.4	205	124.2	60.70	75.52	1	1	1	0	0	14.81	19.61591225
6069	29/12/2020	3	3.6	3.6.2.2	2300052150	946	18	23.2	30	1.8	15.9	0.8	54	12.7	23.56	75.44	1	1	1	1	1	51.88	68.77594027
6070	29/12/2020	3	3.6	3.6.2.2	-	948	16	23.7	31	1.6	22.9	0.7	50	16.0	32.32	75.45	1	1	1	1	1	43.13	57.16742512
6071	29/12/2020	3	3.6	3.6.2.2	-	950	14	28.1	31	1.4	23.5	0.1	43	2.4	5.41	75.47	1	1	1	1	1	70.05	92.82491911
6072	29/12/2020	3	3.6	3.6.2.2	-	958	135	57.4	31	6.6	22.8	5.6	205	127.7	62.40	75.52	1	1	1	0	0	13.11	17.36360447
6073	29/12/2020	3	3.6	3.6.2.4	2300058172	896	18	26.6	32	1.9	16.1	1.03	61	16.6	27.27	75.12	1	1	1	1	1	47.85	63.69205828
6074	29/12/2020	3	3.6	3.6.2.4	2300058083	892	33	28.6	32	3.5	16.5	2.7	112	44.6	39.78	75.09	1	1	1	1	1	35.32	47.03123823
6075	29/12/2020	3	3.6	3.6.2.4	2300055728	833	9	27.1	30	1.1	15.3	0.6	33	9.2	27.82	74.72	1	1	1	1	1	46.90	62.7687041
6076	29/12/2020	3	3.6	3.6.2.4	2300055365	868	17	26.9	31	1.6	16.3	0.8	50	13.0	26.29	74.94	1	1	1	1	1	48.65	64.91873285
6077	29/12/2020	3	3.6	3.6.2.4	2300055561	860	13	27.2	31	1.3	16.5	0.6	40	9.9	24.57	74.89	1	1	1	1	1	50.32	67.1975473

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6078	29/12/2020	3	3.6	3.6.2.4	-	856	16	27.5	32	1.8	15.6	1.02	58	15.9	27.63	74.86	1	1	1	1	1	47.24	63.09995138
6079	29/12/2020	3	3.6	3.6.2.4	2300055868	870	26	17.5	32	2.3	24.5	1.3	74	31.9	43.27	74.95	1	1	1	1	1	31.68	42.26531403
6080	29/12/2020	3	3.6	3.6.2.4	2300057939	861	134	59.6	32	6.1	21.8	5.3	195	115.5	59.19	74.90	1	1	1	1	0	15.71	20.97006829
6081	29/12/2020	3	3.6	3.6.2.4	2300057963	868	17	53.2	32	2.8	19	2.4	90	45.6	50.89	74.94	1	1	1	1	1	24.05	32.0896154
6082	29/12/2020	3	3.6	3.6.2.4	2300055564	845	136	57	31	6.1	21.5	5.2	189	111.8	59.12	74.79	1	1	1	1	0	15.67	20.95334173
6083	29/12/2020	3	3.6	3.6.2.4	2300055767	851	24	20	32	2.1	18.1	1.2	67	21.7	32.32	74.83	1	1	1	1	1	42.51	56.80824272
6084	29/12/2020	3	3.6	3.6.2.4	2300055864	856	19	26.9	30	2.2	15.2	1.2	66	18.2	27.64	74.86	1	1	1	1	1	47.23	63.08477242
6085	29/12/2020	3	3.6	3.6.2.4	2300047216	875	24	27	31	2.5	15.8	1.3	78	20.5	26.50	74.99	1	1	1	1	1	48.48	64.655768
6086	29/12/2020	3	3.6	3.6.2.4	2300055583	868	20	26.1	31	2.1	16	1.1	65	17.6	27.04	74.94	1	1	1	1	1	47.91	63.92460988
6087	29/12/2020	3	3.6	3.6.2.4	2300057983	830	31	29	31	3	16.2	1.7	93	27.5	29.61	74.70	1	1	1	1	1	45.09	60.35649786
6088	29/12/2020	3	3.6	3.6.2.4	2300055540	836	32	27.5	30	3.3	15.7	1.8	99	28.3	28.55	74.74	1	1	1	1	1	46.19	61.80515178
6089	29/12/2020	3	3.6	3.6.2.4	2300055873	844	103	63	21	6.3	15.2	5.6	132	85.1	64.34	74.79	1	1	0	0	0	10.45	13.97153494
6090	29/12/2020	3	3.6	3.6.2.4	2300055855	840	20	20	20	6.3	16.2	1.6	126	25.9	20.57	74.76	1	1	1	1	1	54.19	72.48411149
6091	29/12/2020	3	3.6	3.6.2.4	2300057943	888	128	57	32	6.02	20.8	5.2	193	108.2	56.15	75.07	1	1	1	1	1	18.92	25.20743607
6092	29/12/2020	3	3.6	3.6.2.4	2300055566	891	79	38.3	31	5.8	16.6	4.3	180	71.4	39.70	75.09	1	1	1	1	1	35.39	47.12942839
6093	29/12/2020	3	3.6	3.6.2.4	2300055871	868	126	58.2	30	5.9	20.7	5.2	177	107.6	60.81	74.94	1	1	1	0	0	14.13	18.85163392
6094	29/12/2020	3	3.6	3.6.2.4	-	864	43	11.1	31	6.2	12.6	4.3	192	54.2	28.19	74.92	1	1	1	1	1	46.73	62.37180767
6095	29/12/2020	3	3.6	3.6.2.4	2300055018	874	92	42.7	31	6.1	18	4.4	189	79.2	41.88	74.98	1	1	1	1	1	33.10	44.14133738
6096	29/12/2020	3	3.6	3.6.2.4	2300048056	985	104	40.1	31	7.5	14.6	6.6	233	96.4	41.45	75.69	1	1	1	1	1	34.24	45.24354434
6097	29/12/2020	3	3.5	3.5.3.4	2300055961	948	128	40.9	31	7.2	19.9	5.9	223	117.4	52.60	75.45	1	1	1	1	1	22.85	30.28387584
6098	29/12/2020	3	3.5	3.5.3.4	2300046236	987	11	68.9	32	7.09	23.6	6.5	227	153.4	67.61	75.70	1	1	0	0	0	8.09	10.68648058
6099	29/12/2020	3	3.5	3.5.3.4	2300055935	980	84	36.5	31	6.6	17.2	4.4	205	75.7	36.99	75.66	1	1	1	1	1	38.67	51.10993244
6100	29/12/2020	3	3.5	3.5.3.4	2300055842	970	46	15	30	3.4	15.4	0.9	102	13.9	13.59	75.59	1	1	1	1	1	62.01	82.02471718
6101	29/12/2020	3	3.5	3.5.3.4	2300055909	965	101	61.9	31	7.2	23.8	5.9	223	140.4	62.91	75.56	1	1	1	0	0	12.65	16.74097247
6102	29/12/2020	3	3.5	3.5.3.4	2300055819	966	47	29.7	31	4.5	16.1	2.6	140	41.9	30.01	75.57	1	1	1	1	1	45.56	60.29138045
6103	29/12/2020	3	3.5	3.5.3.4	2300055596	956	65	33.5	31	5.6	16.4	3.6	174	59.0	34.01	75.50	1	1	1	1	1	41.50	54.95730502
6104	29/12/2020	3	3.5	3.5.3.4	2300056258	970	35	21.1	31	1.8	22.9	0.7	56	16.0	28.73	75.59	1	1	1	1	1	46.87	61.99751493
6105	29/12/2020	3	3.5	3.5.3.4	2300056011	978	83	38.1	32	6.3	22.7	4.5	202	102.2	50.67	75.65	1	1	1	1	1	24.98	33.0167111
6106	29/12/2020	3	3.5	3.5.3.4	2300055826	950	42	26.7	30	4.6	15.1	2.6	138	39.3	28.45	75.47	1	1	1	1	1	47.02	62.30186394
6107	29/12/2020	3	3.5	3.5.3.4	2300055821	948	113	46.7	32	6.8	18.9	5.9	218	111.5	51.25	75.45	1	1	1	1	1	24.21	32.08319274

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6108	29/12/2020	3	3.5	3.5.3.4	2300052703	978	51	69.5	31	6.5	11	4.8	202	52.8	26.20	75.65	1	1	1	1	1	49.44	65.36003085
6109	29/12/2020	3	3.5	3.5.3.4	2300049519	965	78	35.7	31	7.1	16.4	4.3	220	70.5	32.04	75.56	1	1	1	1	1	43.52	57.59775836
6110	29/12/2020	3	3.5	3.5.3.4	2300050673	950	82	38.9	31	7	13.2	6.6	217	87.1	40.15	75.47	1	1	1	1	1	35.32	46.80059174
6111	29/12/2020	3	3.5	3.5.3.4	2300047037	955	86	28.3	31	6.9	14.1	6.01	214	84.7	39.62	75.50	1	1	1	1	1	35.88	47.52561551
6112	29/12/2020	3	3.5	3.5.3.4	2300048370	954	53	68.5	31	5.1	17.4	6.01	158	104.6	66.14	75.49	1	1	0	0	0	9.35	12.38202327
6113	29/12/2020	3	3.5	3.5.3.4	2300049359	958	89	66.4	30	6.7	16.9	6.5	201	109.9	54.65	75.52	1	1	1	1	1	20.87	27.63007461
6114	29/12/2020	3	3.5	3.5.3.4	2300048555	950	72	68.2	32	6.3	15.1	6.3	202	95.1	47.19	75.47	1	1	1	1	1	28.28	37.47184162
6115	29/12/2020	3	3.5	3.5.3.4	2300048179	958	18	58.5	31	7.01	23.5	4.2	217	98.7	45.42	75.52	1	1	1	1	1	30.10	39.85610338
6116	29/12/2020	3	3.5	3.5.3.4	2300047395	948	132	52.6	31	7.1	20.1	6.2	220	124.6	56.62	75.45	1	1	1	1	0	18.83	24.96048105
6117	29/12/2020	3	3.5	3.5.3.4	2300048552	961	128	56.7	31	6.7	22.4	6.04	208	135.3	65.14	75.54	1	1	0	0	0	10.40	13.76329038
6118	29/12/2020	3	3.5	3.5.3.4	2300048593	944	32	24.1		2.2	25	0.9	0	22.5	#DIV/0!	75.43	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6119	29/12/2020	3	3.5	3.5.3.4	2300047549	922	95	40.7	30	6	15.6	6.09	180	95.0	52.78	75.29	1	1	1	1	1	22.51	29.89474915
6120	29/12/2020	3	3.6	3.6.3.1	-	962	47	32.5	32	4.2	13.2	2.6	134	34.3	25.54	75.54	1	1	1	1	1	50.01	66.19702435
6121	29/12/2020	3	3.6	3.6.3.1	2300057979	922	18	29	30	1.8	21.3	0.7	54	14.9	27.61	75.29	1	1	1	1	1	47.68	63.32542875
6122	29/12/2020	3	3.6	3.6.3.1	-	953	11.5	15.9	31	3.2	5.7	2.8	99	16.0	16.09	75.49	1	1	1	1	1	59.40	78.6862727
6123	29/12/2020	3	3.6	3.6.3.1	2300052254	951	45	26.6	30	5.5	14.3	2.9	165	41.5	25.13	75.47	1	1	1	1	1	50.34	66.69864304
6124	29/12/2020	3	3.6	3.6.3.1	-	980	17	26	30	1.6	20.4	0.6	48	12.2	25.50	75.66	1	1	1	1	1	50.16	66.29569907
6125	29/12/2020	3	3.6	3.6.3.1	2300052476	963	22	23.7	30	2.07	23.2	0.6	62	13.9	22.42	75.55	1	1	1	1	1	53.13	70.32998505
6126	29/12/2020	3	3.6	3.6.3.1	2300057778	980	30	26.5	30	1.6	16.8	0.8	48	13.4	28.00	75.66	1	1	1	1	1	47.66	62.99135584
6127	29/12/2020	3	3.6	3.6.3.1	2300057952	968	32	20.3	30	5.6	6.2	5.1	168	31.6	18.82	75.58	1	1	1	1	1	56.76	75.09773784
6128	29/12/2020	3	3.6	3.6.3.1	-	968	17	17	30	3.7	6.4	3.6	111	23.0	20.76	75.58	1	1	1	1	1	54.82	72.53714316
6129	29/12/2020	3	3.6	3.6.3.1	2300052471	980	12.5	33.3	30	1.09	16.9	0.6	33	10.1	31.01	75.66	1	1	1	1	1	44.65	59.01401793
6130	29/12/2020	3	3.6	3.6.3.1	-	962	22	41.2	22	3.4	14.6	1.5	75	21.9	29.28	75.54	1	1	1	1	1	46.26	61.24306371
6131	29/12/2020	3	3.6	3.6.3.1	2300057975	945	16	22.8	32	1.4	17.2	0.6	45	10.3	23.04	75.43	1	1	1	1	1	52.40	69.46242505
6132	29/12/2020	3	3.6	3.6.3.1	2300052148	948	29	25.4	32	3.2	15.7	1.7	102	26.7	26.06	75.45	1	1	1	1	1	49.39	65.45613291
6133	29/12/2020	3	3.6	3.6.3.1	2300058022	961	26	20.6	30	2.07	11.2	0.8	62	9.0	14.43	75.54	1	1	1	1	1	61.11	80.8988231
6134	29/12/2020	3	3.6	3.6.3.1	2300052055	964	15	23.6	31	1.4	15.9	0.6	43	9.5	21.98	75.56	1	1	1	1	1	53.57	70.90676691
6135	29/12/2020	3	3.6	3.6.3.1	-	944	99	64.5	30	6.6	15	5.9	198	88.5	44.70	75.43	1	1	1	1	1	30.73	40.74189064
6136	29/12/2020	3	3.6	3.6.3.1	2300055557	975	92	57.2	29	6.9	14.2	5.9	200	83.8	41.87	75.63	1	1	1	1	1	33.76	44.63667857
6137	29/12/2020	3	3.6	3.6.3.1	2300052142	987	95	40.7	30	7.3	14.5	6.6	219	95.7	43.70	75.70	1	1	1	1	1	32.00	42.27607151

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6138	29/12/2020	3	3.6	3.6.3.1	2300047714	990	26	25.3	30	2.3	1.6	1.9	69	3.0	4.41	75.72	1	1	1	1	1	71.32	94.18161551
6139	29/12/2020	3	3.6	3.6.3.1	2300055832	992	92	41.9	30	6.5	14.7	5.7	195	83.8	42.97	75.73	1	1	1	1	1	32.77	43.26355814
6140	29/12/2020	3	3.6	3.6.3.1	2300048294	992	100	46.8	30	6.3	19.5	4.6	189	89.7	47.46	75.73	1	1	1	1	1	28.27	37.33354091
6141	29/12/2020	3	3.6	3.6.3.1	2300048308	992	71	32.7	30	6.5	12.5	5.3	195	66.3	33.97	75.73	1	1	1	1	1	41.76	55.14035955
6142	29/12/2020	3	3.6	3.6.3.1	23000	961	114	50	30	6.5	20.3	4.9	195	99.5	51.01	75.54	1	1	1	1	1	24.53	32.46930432
6143	29/12/2020	3	3.6	3.6.3.1	2300048310	982	83	40.4	30	6.2	14.4	5.3	186	76.3	41.03	75.67	1	1	1	1	1	34.64	45.77530822
6144	29/12/2020	5	5.5	5.5.4.1	2300047831	978	42	26	29	5.1	11.1	3.6	148	40.0	27.02	75.65	1	1	1	1	1	48.63	64.28292135
6145	29/12/2020	5	5.5	5.5.4.1	2300047268	987	77	36.5	30	6.36	13.5	5.3	191	71.6	37.50	75.70	1	1	1	1	1	38.20	50.46418362
6146	29/12/2020	5	5.5	5.5.4.1	2300048515	991	115	51.6	30	6.5	20.9	5.04	195	105.3	54.02	75.73	1	1	1	1	1	21.71	28.66815945
6147	29/12/2020	5	5.5	5.5.4.1	2300048070	995	99	63	20	6.9	14.6	6.2	138	90.5	65.59	75.75	1	1	0	0	0	10.16	13.4115652
6148	29/12/2020	5	5.5	5.5.4.1	2300052706	997	81	58.7	28	6.2	14.4	5.1	174	73.4	42.30	75.77	1	1	1	1	1	33.46	44.16532378
6149	29/12/2020	5	5.5	5.5.4.1	2300046290	988	88	40.5	30	6.5	14.4	5.6	195	80.6	41.35	75.71	1	1	1	1	1	34.36	45.37804368
6150	29/12/2020	5	5.5	5.5.4.1	2300048882	985	89	40.6	29	5.9	15.6	4.6	171	71.8	41.94	75.69	1	1	1	1	1	33.75	44.58926445
6151	29/12/2020	5	5.5	5.5.4.1	2300047623	974	73	36.9	30	6.1	13.9	4.9	183	68.1	37.22	75.62	1	1	1	1	1	38.40	50.78183535
6152	29/12/2020	5	5.5	5.5.4.1	2300052705	979	86	38.3	30	6.7	14.5	5.5	201	79.8	39.68	75.65	1	1	1	1	1	35.97	47.55349931
6153	29/12/2020	5	5.5	5.5.4.1	2300048073	980	107	63.9	20	7.3	14.8	6.5	146	96.2	65.89	75.66	1	1	0	0	0	9.77	12.91018668
6154	29/12/2020	5	5.5	5.5.4.1	2300048132	979	94	41	30	6.7	14.3	6.09	201	87.1	43.33	75.65	1	1	1	1	1	32.32	42.72842125
6155	29/12/2020	5	5.5	5.5.4.1	2300048388	977	19	27	31	2.1	16.1	1.1	65	17.7	27.20	75.64	1	1	1	1	1	48.43	64.03393354
6156	29/12/2020	5	5.5	5.5.4.1	2300048393	980	94	40.2	30	6.9	18.7	4.5	207	84.2	40.65	75.66	1	1	1	1	1	35.01	46.26850576
6157	29/12/2020	5	5.5	5.5.4.1	2300052701	983	46	27.1	30	2.09	13.6	1.9	63	25.8	41.21	75.68	1	1	1	1	1	34.47	45.54222248
6158	29/12/2020	5	5.5	5.5.4.1	2300052702	989	136	62.5	30	6.4	22.6	5.4	192	122.0	63.56	75.72	1	1	1	0	0	12.15	16.05098553
6159	29/12/2020	5	5.5	5.5.4.1	2300055829	980	93	44.1	30	6.3	14.7	5.8	189	85.3	45.11	75.66	1	1	1	1	1	30.55	40.37496218
6160	29/12/2020	5	5.5	5.5.4.1	2300048390	985	46	18.7	29	4.5	5.6	4.5	131	25.2	19.31	75.69	1	1	1	1	1	56.38	74.48758776
6161	29/12/2020	5	5.5	5.5.4.1	2300047829	988	114	57.7	30	6.5	23.1	4.4	195	101.6	52.12	75.71	1	1	1	1	1	23.59	31.15357589
6162	29/12/2020	5	5.5	5.5.4.1	2300052730	989	48	32.7	30	6.2	12.8	2.9	186	37.1	19.96	75.72	1	1	1	1	1	55.76	73.64216985
6163	29/12/2020	5	5.5	5.5.4.1	2300048391	986	104	63.3	19	7.2	14.6	6.4	137	93.4	68.30	75.70	1	0	0	0	0	7.39	9.765730514
6164	29/12/2020	5	5.5	5.5.4.1	2300047834	993	130	52.9	30	7.1	21.5	5.5	213	118.3	55.52	75.74	1	1	1	1	1	20.22	26.70246586
6165	29/12/2020	5	5.5	5.5.4.1	2300048335	992	78	37.2	29	6.4	13.3	5.4	186	71.8	38.70	75.73	1	1	1	1	1	37.04	48.90575972
6166	29/12/2020	5	5.5	5.5.4.1	2300048159	1002	81	55.8	29	6.9	12.8	5.8	200	74.2	37.10	75.80	1	1	1	1	1	38.70	51.05272211
6167	29/12/2020	5	5.5	5.5.4.1	2300047830	1003	77	54.2	19	6.5	13.3	5.3	124	70.5	57.08	75.81	1	1	1	1	0	18.73	24.70579449

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6168	29/12/2020	5	5.5	5.5.4.2	2300048071	997	130	54	30	7.1	19.9	5.9	213	117.4	55.12	75.77	1	1	1	1	1	20.64	27.24773156
6169	29/12/2020	5	5.5	5.5.4.2	2300055864	996	81	35.1	30	6.9	12.8	5.8	207	74.2	35.86	75.76	1	1	1	1	1	39.90	52.66031555
6170	29/12/2020	5	5.5	5.5.4.2	2300052714	991	80	35.1	30	6.9	12.9	5.7	207	73.5	35.52	75.73	1	1	1	1	1	40.21	53.09323962
6171	29/12/2020	5	5.5	5.5.4.2	2300052700	991	100	45.8	30	6.5	18.9	4.8	195	90.7	46.52	75.73	1	1	1	1	1	29.21	38.56587895
6172	29/12/2020	5	5.5	5.5.4.2	2300048180	997	75	36.2	29	6.3	13.3	5.2	183	69.2	37.85	75.77	1	1	1	1	1	37.91	50.03826725
6173	29/12/2020	5	5.5	5.5.4.2	2300048954	994	80	40	29	6.8	13.3	5.7	197	75.8	38.44	75.75	1	1	1	1	1	37.30	49.24828659
6174	29/12/2020	5	5.5	5.5.4.2	2300048164	1018	134	56.3	32	7.1	24	5.3	227	127.2	55.99	75.90	1	1	1	1	1	19.92	26.23843168
6175	29/12/2020	5	5.5	5.5.4.2	2300048217	564	16	63.1	32	3.8	24	3.6	122	86.4	71.05	73.00	0	0	0	0	0	1.94	2.661761012
6176	29/12/2020	5	5.5	5.5.4.2	2300052698	651	27	30.5	32	2.6	24.4	2.3	83	56.1	67.45	73.55	1	0	0	0	0	6.10	8.294055562
6177	29/12/2020	5	5.5	5.5.4.2	2300047671	1013	27	25.1	31	3.1	15.7	1.6	96	25.1	26.14	75.87	1	1	1	1	1	49.73	65.54670659
6178	29/12/2020	5	5.5	5.5.4.2	2300047622	958	26	28	31	2.7	15.8	1.5	84	23.7	28.32	75.52	1	1	1	1	1	47.20	62.50468478
6179	29/12/2020	5	5.5	5.5.4.2	2300047035	985	129	70	31	4.5	24	4.09	140	98.2	70.37	75.69	1	0	0	0	0	5.32	7.034494124
6180	29/12/2020	5	5.5	5.5.4.2	2300047836	766	78	53.9	20	6.3	13.4	5.3	126	71.0	56.37	74.29	1	1	1	1	0	17.92	24.12667474
6181	29/12/2020	5	5.5	5.5.4.2	2300055993	1005	23	28.7	31	2.4	16.4	1.3	74	21.3	28.66	75.82	1	1	1	1	1	47.16	62.20433937
6182	29/12/2020	5	5.5	5.5.4.2	2300048348	995	97	61.6	20	7.03	14.7	6.1	141	89.7	63.78	75.75	1	1	1	0	0	11.98	15.81082001
6183	29/12/2020	5	5.5	5.5.4.2	2300055841	989	25	27	30	2.6	15.5	1.4	78	21.7	27.82	75.72	1	1	1	1	1	47.90	63.25656427
6184	29/12/2020	5	5.5	5.5.4.2	2300047625	991	35	29	30	3.5	15.7	2.05	105	32.2	30.65	75.73	1	1	1	1	1	45.08	59.52326874
6185	29/12/2020	5	5.5	5.5.4.2	2300047256	948	24	27	30	2.6	15.8	1.4	78	22.1	28.36	75.45	1	1	1	1	1	47.09	62.41514693
6186	29/12/2020	5	5.5	5.5.4.2	2300048366	965	36	29.1	30	3.7	15.6	2.2	111	34.3	30.92	75.56	1	1	1	1	1	44.64	59.08139155
6187	29/12/2020	5	5.5	5.5.4.2	2300047251	985	127	58.2	30	7.1	20.4	5.1	213	104.0	48.85	75.69	1	1	1	1	1	26.84	35.46694356
6188	29/12/2020	5	5.5	5.5.4.2	2300052716	978	26	23.1	31	2.6	14.4	1.3	81	18.7	23.23	75.65	1	1	1	1	1	52.42	69.29639098
6189	29/12/2020	3	3.6	3.6.1.1	2300057926	990	45	22.8	30	2.3	24.8	1.8	69	44.6	64.70	75.72	1	1	0	0	0	11.03	14.56161727
6190	29/12/2020	3	3.6	3.6.1.1	2300058074	975	124	51.6	30	7.06	19.3	5.9	212	113.9	53.76	75.63	1	1	1	1	1	21.86	28.90939102
6191	29/12/2020	3	3.6	3.6.1.1	2300057427	978	47	26	30	3.5	14.7	2.6	105	38.2	36.40	75.65	1	1	1	1	1	39.25	51.88062164
6192	29/12/2020	3	3.6	3.6.1.1	2300058031	980	138	56.5	30	7.1	20.7	6.1	213	126.3	59.28	75.66	1	1	1	1	0	16.38	21.64517944
6193	29/12/2020	3	3.6	3.6.1.1	23000	986	116	48	30	6.8	22.5	4.5	204	101.3	49.63	75.70	1	1	1	1	1	26.06	34.43234693
6194	29/12/2020	3	3.6	3.6.1.1	2300057638	974	38	26.6	31	4.2	16	2.2	130	35.2	27.04	75.62	1	1	1	1	1	48.58	64.24825011
6195	29/12/2020	3	3.6	3.6.1.1	2300057923	981	54	26.1	30	6.2	15.1	3.3	186	49.8	26.79	75.66	1	1	1	1	1	48.87	64.59322669
6196	29/12/2020	3	3.6	3.6.1.1	2300037601	978	26	31	31	3.2	16.5	2.6	99	42.9	43.25	75.65	1	1	1	1	1	32.40	42.83051966
6197	29/12/2020	3	3.6	3.6.1.1	2300057650	975	31	25.6	31	3.1	23.3	2.7	96	62.9	65.46	75.63	1	1	0	0	0	10.16	13.43842156

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6198	29/12/2020	3	3.6	3.6.1.1	2300057645	980	93	38.2	30	6.9	14.1	5.01	207	70.6	34.13	75.66	1	1	1	1	1	41.53	54.89427826
6199	29/12/2020	3	3.6	3.6.1.1	2300057676	780	130	49.4	31	4.6	21	3.9	143	81.9	57.43	74.38	1	1	1	1	0	16.94	22.78176331
6200	29/12/2020	3	3.6	3.6.1.1	2300057661	1004	32	15.5	30	2.8	23.9	1.1	84	26.3	31.30	75.81	1	1	1	1	1	44.51	58.71658289
6201	29/12/2020	3	3.6	3.6.1.1	2300057675	1001	29	28	30	3.1	15.8	1.7	93	26.9	28.88	75.79	1	1	1	1	1	46.91	61.89364576
6202	29/12/2020	3	3.6	3.6.1.1	2300057636	971	49	28.6	19	2.9	14.4	2.2	55	31.7	57.50	75.60	1	1	1	1	0	18.10	23.94820293
6203	29/12/2020	3	3.6	3.6.1.1	2300057972	995	11	25.4	30	2.3	15.3	1.2	69	18.4	26.61	75.75	1	1	1	1	1	49.15	64.87486383
6204	29/12/2020	3	3.6	3.6.1.1	2300058027	984	27	28.9	30	2.7	24.8	1.3	81	32.2	39.80	75.68	1	1	1	1	1	35.88	47.40938706
6205	29/12/2020	3	3.6	3.6.1.1	23000	975	40	29.3	30	4.1	14.9	2.5	123	37.3	30.28	75.63	1	1	1	1	1	45.34	59.95483981
6206	29/12/2020	3	3.6	3.6.1.1	2300056151	970	129	54.6	30	7.1	20.3	6.03	213	122.4	57.47	75.59	1	1	1	1	0	18.12	23.97675201
6207	29/12/2020	3	3.6	3.6.1.1	2300057664	988	27	26.6	30	3.09	15.9	1.6	93	25.4	27.44	75.71	1	1	1	1	1	48.27	63.75161051
6208	29/12/2020	3	3.6	3.6.1.1	2300058137	1018	26	22	30	2.5	16	1.1	75	17.6	23.47	75.90	1	1	1	1	1	52.43	69.08261442
6209	29/12/2020	3	3.6	3.6.1.1	2300048341	1005	128	52.8	30	7.3	20.1	5.9	219	118.6	54.15	75.82	1	1	1	1	1	21.67	28.57806203
6210	29/12/2020	3	3.6	3.6.1.1	2300057390	1001	134	56.3	30	7.2	21.2	5.9	216	125.1	57.91	75.79	1	1	1	1	0	17.88	23.597343
6211	29/12/2020	3	3.6	3.6.1.1	2300057031	1001	13	25	30	1.6	15.3	0.8	48	12.2	25.50	75.79	1	1	1	1	1	50.29	66.35546572
6212	29/12/2020	3	3.6	3.6.1.1	2300057064	940	49	39.5	30	4.04	17.4	2.9	121	50.5	41.63	75.40	1	1	1	1	1	33.77	44.78440444
6213	29/12/2020	3	3.6	3.6.1.3	2300058180	991	46	29.9	33	6.6	17.4	2.2	218	38.3	17.58	75.73	1	1	1	1	1	58.15	76.79106177
6214	29/12/2020	3	3.6	3.6.1.3	2300058171	1011	48	16.8	32	5.08	16.3	3.9	163	63.6	39.11	75.86	1	1	1	1	1	36.75	48.44790812
6215	29/12/2020	3	3.6	3.6.1.3	2300057574	1135	42	26.2	30	4.9	16.2	7.1	147	115.0	78.24	76.65	0	0	0	0	0	-1.59	-2.080754024
6216	29/12/2020	3	3.6	3.6.1.3	2300057665	1140	72	28.7	32	7.3	15.7	5.4	234	84.8	36.29	76.68	1	1	1	1	1	40.39	52.67102029
6217	29/12/2020	3	3.6	3.6.1.3	2300058143	1147	77	25	32	7.2	10.8	6.1	230	65.9	28.59	76.73	1	1	1	1	1	48.13	62.73303461
6218	29/12/2020	3	3.6	3.6.1.3	2300058152	1159	89	28.6	31	7.9	11.9	7.1	245	84.5	34.50	76.80	1	1	1	1	1	42.30	55.08049644
6219	29/12/2020	3	3.6	3.6.1.3	2300057504	1141	112	39.9	31	8.1	14.5	2.2	251	31.9	12.70	76.69	1	1	1	1	1	63.98	83.4341283
6220	29/12/2020	3	3.6	3.6.1.3	2300057695	1127	36	28.5	31	3.9	16	2.1	121	33.6	27.79	76.60	1	1	1	1	1	48.81	63.71801742
6221	29/12/2020	3	3.6	3.6.1.3	2300057545	1088	34	25.2	31	4.05	15	1.7	126	25.5	20.31	76.35	1	1	1	1	1	56.04	73.39771312
6222	29/12/2020	3	3.6	3.6.1.3	2300057624	1094	28	26.1	31	3.2	15.1	6.4	99	96.6	97.42	76.39	1	1	1	1	1	-21.03	-27.53294362
6223	29/12/2020	3	3.6	3.6.1.3	2300057540	667	32	28.4	29	3.3	15	4.02	96	60.3	63.01	73.65	1	1	0	0	0	10.65	14.45309146
6224	29/12/2020	3	3.6	3.6.1.3	2300057625	1013	70	33	32	6.1	16.1	4.2	195	67.6	34.64	75.87	1	1	1	1	1	41.23	54.34063699
6225	29/12/2020	3	3.6	3.6.1.3	2300056016	951	100	42	31	6.7	18.1	5	208	90.5	43.57	75.47	1	1	1	1	1	31.90	42.26702705
6226	29/12/2020	3	3.6	3.6.1.3	23000	712	132	59.7	31	4.4	21.8	3.8	136	82.8	60.73	73.94	1	1	1	0	0	13.21	17.86470376
6227	29/12/2020	3	3.6	3.6.1.3	2300057597	604	77	38.2	32	6.6	15.5	4.4	211	68.2	32.29	73.25	1	1	1	1	1	40.96	55.91677633

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6228	29/12/2020	3	3.6	3.6.1.3	23000	1041	79	33.1	32	6.9	16.5	4.5	221	74.3	33.63	76.05	1	1	1	1	1	42.42	55.78116385
6229	30/12/2020	3	3.6	3.6.1.3	2300057607	1034	43	29.5	31	4.3	15.9	2.5	133	39.8	29.82	76.00	1	1	1	1	1	46.18	60.76507562
6230	30/12/2020	3	3.6	3.6.1.3	2300057554	1020	32	26.2	31	3.3	14.9	2.09	102	31.1	30.44	75.91	1	1	1	1	1	45.47	59.90086122
6231	30/12/2020	3	3.6	3.6.1.3	2300057603	1028	49	31.5	31	5.5	16.4	3.4	171	55.8	32.70	75.97	1	1	1	1	1	43.26	56.94895516
6232	30/12/2020	3	3.6	3.6.1.3	2300057596	1034	89	61.4	30	7.3	15	6.4	219	96.0	43.84	76.00	1	1	1	1	1	32.17	42.32428933
6233	30/12/2020	3	3.6	3.6.1.3	2300058028	1032	24	24.3	31	4.01	16.3	1.9	124	31.0	24.91	75.99	1	1	1	1	1	51.08	67.21508045
6234	30/12/2020	3	3.6	3.6.1.3	2300057559	1032	14	19.1	31	2.03	10.4	1.9	63	19.8	31.40	75.99	1	1	1	1	1	44.59	58.67925036
6235	30/12/2020	3	3.6	3.6.1.3	2300057644	988	19	20	31	3.01	10.5	1.8	93	18.9	20.26	75.71	1	1	1	1	1	55.45	73.24623194
6236	30/12/2020	3	3.6	3.6.1.3	2300057562	981	26	16.2	31	2.03	15.8	0.9	63	14.2	22.60	75.66	1	1	1	1	1	53.07	70.13584217
6237	30/12/2020	3	3.6	3.6.1.2	2300057654	997	22	15.6	31	4.2	5.3	4.02	130	21.3	16.36	75.77	1	1	1	1	1	59.40	78.40207677
6238	30/12/2020	3	3.6	3.6.1.2	2300057024	1003	30	21.1	31	4.1	9.8	2.8	127	27.4	21.59	75.81	1	1	1	1	1	54.22	71.52002796
6239	30/12/2020	3	3.6	3.6.1.2	2300057525	1005	9.2	25.5	30	1.06	15.3	0.5	32	7.7	24.06	75.82	1	1	1	1	1	51.76	68.2705904
6240	30/12/2020	3	3.6	3.6.1.2	2300057673	1007	16.7	26.4	31	1.8	15.7	0.9	56	14.1	25.32	75.83	1	1	1	1	1	50.51	66.6064704
6241	30/12/2020	3	3.6	3.6.1.2	2300057532	1003	10.2	31.5	31	7.2	14.7	6.3	223	92.6	41.49	75.81	1	1	1	1	1	34.31	45.26505374
6242	30/12/2020	3	3.6	3.6.1.2	2300057449	997	111	45.8	31	7.1	17.6	5.7	220	100.3	45.58	75.77	1	1	1	1	1	30.19	39.84267233
6243	30/12/2020	3	3.6	3.6.1.2	2300057015	991	128	52.2	32	7.08	19.6	5.9	227	115.6	51.04	75.73	1	1	1	1	1	24.69	32.59904254
6244	30/12/2020	3	3.6	3.6.1.2	2300057649	951	138	54.1	30	7.3	21.2	5.9	219	125.1	57.11	75.47	1	1	1	1	0	18.36	24.32444807
6245	30/12/2020	3	3.6	3.6.1.2	2300057038	978	46	27.7	30	3.9	24	6.3	117	151.2	129.23	75.65	1	1	1	1	1	-53.59	-70.83802968
6246	30/12/2020	3	3.6	3.6.1.2	2300057633	949	8	25.8	30	0.9	15.9	6.3	27	100.2	371.00	75.46	1	1	1	1	1	-295.54	-391.6538121
6247	30/12/2020	3	3.6	3.6.1.2	2300057549	1029	30	22.3	32	2	14.7	1.4	64	20.6	32.16	75.97	1	1	1	1	1	43.82	57.67332793
6248	30/12/2020	3	3.6	3.6.1.2	2300057547	1040	32	36.6	32	2.6	14.2	2.1	83	29.8	35.84	76.04	1	1	1	1	1	40.20	52.86638153
6249	30/12/2020	3	3.6	3.6.1.2	23000	1039	28	24.2	32	2.7	23.6	0.9	86	21.2	24.58	76.04	1	1	1	1	1	51.45	67.66865346
6250	30/12/2020	3	3.6	3.6.1.2	2300051290	957	22	28	31	2.5	14.3	1.5	78	21.5	27.68	75.51	1	1	1	1	1	47.83	63.34640958
6251	30/12/2020	3	3.6	3.6.1.2	2300056762	878	48	61.4	30	5.2	24.3	4.1	156	99.6	63.87	75.01	1	1	0	0	0	11.14	14.85205744
6252	30/12/2020	3	3.6	3.6.1.2	2300053043	1094	120	54.3	30	7.4	22.9	5.6	222	128.2	57.77	76.39	1	1	1	1	0	18.62	24.37808523
6253	30/12/2020	3	3.6	3.6.1.2	2300053039	672	14	18.6	30	1.6	17	1.6	48	27.2	56.67	73.69	1	1	1	1	0	17.02	23.09794065
6254	30/12/2020	3	3.6	3.6.1.2	2300057617	913	76	48.6	31	4.06	18.3	3.2	126	58.6	46.53	75.23	1	1	1	1	1	28.70	38.15182385
6255	30/12/2020	3	3.6	3.6.1.2	23000	560	42	33.4	30	3.8	12.5	3.2	114	40.0	35.09	72.97	1	1	1	1	1	37.88	51.91487009
6256	30/12/2020	3	3.6	3.6.1.2	2300057378	897	17	24.3	31	1.6	16.2	0.8	50	13.0	26.13	75.13	1	1	1	1	1	49.00	65.22009155
6257	30/12/2020	3	3.6	3.6.1.2	2300047633	911	44	34.2	31	4.6	16.2	3.2	143	51.8	36.35	75.22	1	1	1	1	1	38.86	51.66820509

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6258	30/12/2020	3	3.6	3.6.1.2	23000	850	24	25.6	31	2.2	22	0.8	68	17.6	25.81	74.83	1	1	1	1	1	49.02	65.51138426
6259	30/12/2020	3	3.6	3.6.1.2	2300051302	987	40	18.2	30	4	6.7	3.4	120	22.8	18.98	75.70	1	1	1	1	1	56.72	74.92386895
6260	30/12/2020	3	3.6	3.6.1.2	2300047642	561	26	70.5	31	2.9	24	2.6	90	62.4	69.41	72.98	0	0	0	0	0	3.57	4.886434433
6261	30/12/2020	3	3.6	3.6.1.4	2300051294	508	83	49.8	31	3.8	19.5	3.1	118	60.5	51.32	72.64	1	1	1	1	1	21.32	29.35329353
6262	30/12/2020	3	3.6	3.6.1.4	2300051306	1073	13	26.8	32	1.5	16.4	0.8	48	13.1	27.33	76.25	1	1	1	1	1	48.92	64.1545098
6263	30/12/2020	3	3.6	3.6.1.4	2300050447	1075	42	27.5	32	3.2	24.2	1.9	102	46.0	44.90	76.27	1	1	1	1	1	31.36	41.12403463
6264	30/12/2020	3	3.6	3.6.1.4	2300053422	1045	42	31.5	32	4.2	26.1	2.2	134	57.4	42.72	76.07	1	1	1	1	1	33.35	43.83992654
6265	30/12/2020	3	3.6	3.6.1.4	2300053469	992	29	27.5	32	3.01	16.2	1.7	96	27.5	28.59	75.73	1	1	1	1	1	47.14	62.24695557
6266	30/12/2020	3	3.6	3.6.1.4	2300050488	940	101	41	30	7.04	17.9	5.2	211	93.1	44.07	75.40	1	1	1	1	1	31.33	41.55066219
6267	30/12/2020	3	3.6	3.6.1.4	2300051296	612	15	22.7	32	1.3	15.6	0.6	42	9.4	22.50	73.30	1	1	1	1	1	50.80	69.3054017
6268	30/12/2020	3	3.6	3.6.1.4	23000	982	26	17.1	32	2.7	16.1	0.9	86	14.5	16.77	75.67	1	1	1	1	1	58.90	77.83711374
6269	30/12/2020	3	3.6	3.6.1.4	23000	900	43	28.8	32	4.2	16.2	2.4	134	38.9	28.93	75.15	1	1	1	1	1	46.22	61.50351126
6270	30/12/2020	3	3.6	3.6.1.4	2300048454	817	24	27.5	32	2.5	15.9	1.4	80	22.3	27.83	74.61	1	1	1	1	1	46.79	62.70847071
6271	30/12/2020	3	3.6	3.6.1.4	23000	971	17	24.5	32	1.6	16.4	0.6	51	9.8	19.22	75.60	1	1	1	1	1	56.38	74.57850752
6272	30/12/2020	3	3.6	3.6.1.4	2300053151	965	13.4	25.8	32	1.4	16.2	6.1	45	98.8	220.58	75.56	1	1	1	1	1	-145.02	-191.9196913
6273	30/12/2020	3	3.6	3.6.1.4	23000	950	45	30	30	6.7	12.4	5.2	201	64.5	32.08	75.47	1	1	1	1	1	43.39	57.49131796
6274	30/12/2020	3	3.6	3.6.1.4	2300058012	900	48	27.8	30	5.1	15.5	3	153	46.5	30.39	75.15	1	1	1	1	1	44.75	59.55585545
6275	30/12/2020	3	3.6	3.6.1.4	23000	867	72	37.7	32	6.1	14.1	5.2	195	73.3	37.56	74.93	1	1	1	1	1	37.37	49.87445698
6276	30/12/2020	3	3.6	3.6.1.4	2300051020	982	71	32.1	32	6.5	16.8	4.4	208	73.9	35.54	75.67	1	1	1	1	1	40.13	53.03543568
6277	30/12/2020	3	3.6	3.6.1.4	2300051030	851	49	27.7	32	5.1	16.7	2.7	163	45.1	27.63	74.83	1	1	1	1	1	47.20	63.07925916
6278	30/12/2020	3	3.6	3.6.1.4	2300057588	950	70	33.9	30	6.2	12.4	5.4	186	67.0	36.00	75.47	1	1	1	1	1	39.47	52.29639838
6279	30/12/2020	3	3.6	3.6.1.4	23000	954	22.5	28.1	32	2.1	16.6	1.2	67	19.9	29.64	75.49	1	1	1	1	1	45.85	60.73356884
6280	30/12/2020	3	3.6	3.6.1.4	23000	975	26	29.1	32	2.7	25.3	1.01	86	25.6	29.58	75.63	1	1	1	1	1	46.05	60.89277301
6281	30/12/2020	3	3.6	3.6.1.4	23000	1003	24	25.7	32	2.2	17	1.1	70	18.7	26.56	75.81	1	1	1	1	1	49.24	64.95952784
6282	30/12/2020	3	3.6	3.6.1.4	23000	985	34	14.9	31	3.4	24.7	0.6	105	14.8	14.06	75.69	1	1	1	1	1	61.63	81.42327776
6283	30/12/2020	3	3.6	3.6.1.4	23000	980	15	27	31	1.6	17	0.8	50	13.6	27.42	75.66	1	1	1	1	1	48.24	63.7588162
6284	30/12/2020	3	3.6	3.6.1.4	23000	1030	40	35	31	3.5	26.5	1.4	109	37.1	34.19	75.98	1	1	1	1	1	41.78	54.99546133
6285	30/12/2020	3	3.4	3.4.5.1	-	665	23	27.9	31	1.7	15.1	0.9	53	13.6	25.79	73.64	1	1	1	1	1	47.85	64.98265082
6286	30/12/2020	3	3.4	3.4.5.1	2300051300	995	137	55.8	31	6.4	20.5	6.01	198	123.2	62.10	75.75	1	1	1	0	0	13.65	18.02506223
6287	30/12/2020	3	3.4	3.4.5.1	2300051304	979	43	30.5	31	3.3	16.7	1.9	102	31.7	31.02	75.65	1	1	1	1	1	44.63	59.00071143

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6288	30/12/2020	3	3.4	3.4.5.1	-	504	46	39	31	4.6	24	2.07	143	49.7	34.84	72.61	1	1	1	1	1	37.77	52.02046274
6289	30/12/2020	3	3.4	3.4.5.1	2300051276	996	19	26.9	32	2.09	16.5	1.06	67	17.5	26.15	75.76	1	1	1	1	1	49.61	65.48155001
6290	30/12/2020	3	3.4	3.4.5.1	2300048561	983	26	23.4	31	2.5	16	1.9	78	30.4	39.23	75.68	1	1	1	1	1	36.45	48.16694268
6291	30/12/2020	3	3.4	3.4.5.1	-	972	30	29.4	31	2.9	16	1.7	90	27.2	30.26	75.61	1	1	1	1	1	45.35	59.9826473
6292	30/12/2020	3	3.4	3.4.5.1	2300051369	901	17	25.5	31	2.02	15.1	1.08	63	16.3	26.04	75.15	1	1	1	1	1	49.11	65.3466851
6293	30/12/2020	3	3.4	3.4.5.1	2300047691	544	36	52.6	32	2.6	24.8	1.9	83	47.1	56.63	72.87	1	1	1	1	0	16.23	22.27736966
6294	30/12/2020	3	3.4	3.4.5.1	2300046280	519	103	43.1	30	6.9	15.8	6.1	207	96.4	46.56	72.71	1	1	1	1	1	26.15	35.96214636
6295	30/12/2020	3	3.4	3.4.5.1	2300047804	977	12	27.2	32	1.2	16.3	0.6	38	9.8	25.47	75.64	1	1	1	1	1	50.17	66.32845841
6296	30/12/2020	3	3.4	3.4.5.1	-	1025	26	23.9	31	1.4	16.2	0.7	43	11.3	26.13	75.95	1	1	1	1	1	49.82	65.59524892
6297	30/12/2020	3	3.4	3.4.5.1	2300048353	1021	15	27	31	1.6	16.1	0.9	50	14.5	29.21	75.92	1	1	1	1	1	46.71	61.52060622
6298	30/12/2020	3	3.4	3.4.5.1	2300048581	1070	47	29.9	32	2.3	14.4	2.4	74	34.6	46.96	76.23	1	1	1	1	1	29.28	38.4047515
6299	30/12/2020	3	3.4	3.4.5.1	2300058145	1015	96	61.6	21	6.5	15	5.9	137	88.5	64.84	75.88	1	1	0	0	0	11.05	14.5579125
6300	30/12/2020	3	3.4	3.4.5.1	-	1007	22	25.2	31	0.8	16.4	0.4	25	6.6	26.45	75.83	1	1	1	1	1	49.38	65.11758691
6301	30/12/2020	3	3.4	3.4.5.1	2300048344	968	115	16.4	31	6.6	15	1.6	205	24.0	11.73	75.58	1	1	1	1	1	63.85	84.47999598
6302	30/12/2020	3	3.4	3.4.5.1	2300048474	989	20	14.4	31	4.6	20.4	1.5	143	30.6	21.46	75.72	1	1	1	1	1	54.26	71.65891108
6303	30/12/2020	3	3.4	3.4.5.1	2300049683	1004	13	26	31	1.4	15.6	0.7	43	10.9	25.16	75.81	1	1	1	1	1	50.65	66.81076468
6304	30/12/2020	3	3.4	3.4.5.1	-	1001	8	27.1	30	0.8	15.8	0.4	24	6.3	26.33	75.79	1	1	1	1	1	49.46	65.25597114
6305	30/12/2020	3	3.4	3.4.5.1	2300057951	1013	12	10	30	0.1	20.1	0.07	3	1.4	46.90	75.87	1	1	1	1	1	28.97	38.18308352
6306	30/12/2020	3	3.4	3.4.5.1	23000	931	20	20.5	19	0.2	15.2	0.1	4	1.5	40.00	75.34	1	1	1	1	1	35.34	46.91045386
6307	30/12/2020	3	3.4	3.4.5.1	2300057830	1064	15	21	31	0.1	15.9	2.4	3	38.2	1230.97	76.20	1	1	1	1	1	-1154.77	-1515.536516
6308	30/12/2020	3	3.4	3.4.5.1	2300045338	1053	31	20	30	1.5	22.2	1.5	45	33.3	74.00	76.13	0	0	0	0	0	2.13	2.791716803
6309	30/12/2020	3	3.4	3.4.5.3	2300049648	906	20	20	30	2.6	20.6	1.4	78	28.8	36.97	75.18	1	1	1	1	1	38.21	50.82176758
6310	30/12/2020	3	3.4	3.4.5.3	2300058177	904	20	19.2	30	2.5	15.4	2.4	75	37.0	49.28	75.17	1	1	1	1	1	25.89	34.443327
6311	30/12/2020	3	3.4	3.4.5.3	2300058176	901	19	20.2	30	2.1	20.2	1	63	20.2	32.06	75.15	1	1	1	1	1	43.09	57.33537177
6312	30/12/2020	3	3.4	3.4.5.3	2300057621	608	15	20.2	19	1.5	19.2	1	29	19.2	67.37	73.28	1	0	0	0	0	5.91	8.063598155
6313	30/12/2020	3	3.4	3.4.5.3	2300049535	607	26	15.4	20	0.1	10.1	2	2	20.2	1010.00	73.27	1	1	1	1	1	-936.73	-1278.448168
6314	30/12/2020	3	3.4	3.4.5.3	2300048339	900	30	14.2	30	0.1	12.4	1.2	3	14.9	496.00	75.15	1	1	1	1	1	-420.85	-560.048439
6315	30/12/2020	3	3.4	3.4.5.3	2300049534	956	31	13.3	30	0.2	12.4	1.4	6	17.4	289.33	75.50	1	1	1	1	1	-213.83	-283.2006258
6316	30/12/2020	3	3.4	3.4.5.3	2300057684	945	31	20.4	30	0.9	12.5	1.5	27	18.8	69.44	75.43	1	0	0	0	0	5.99	7.940127205
6317	30/12/2020	3	3.4	3.4.5.3	2300058168	946	30	22.3	25	0.5	12.7	1	13	12.7	101.60	75.44	1	1	1	1	1	-26.16	-34.67585008

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6318	30/12/2020	3	3.4	3.4.5.3	2300056998	940	35	24.2	22	0.1	10.1	1.06	2	10.7	486.64	75.40	1	1	1	1	1	-411.23	-545.3891987
6319	30/12/2020	3	3.4	3.4.5.3	2300051044	945	35	25.4	30	0.6	20.2	1.01	18	20.4	113.34	75.43	1	1	1	1	1	-37.91	-50.25644198
6320	30/12/2020	3	3.4	3.4.5.3	2300051032	946	30	20.5	31	0.5	15.2	2.4	16	36.5	235.35	75.44	1	1	1	1	1	-159.91	-211.9745371
6321	30/12/2020	3	3.4	3.4.5.3	2300056945	940	32	21.6	30	2.4	15.4	1.5	72	23.1	32.08	75.40	1	1	1	1	1	43.32	57.45028867
6322	30/12/2020	3	3.4	3.4.5.3	2300056942	945	32	19.7	31	2.7	12.2	1	84	12.2	14.58	75.43	1	1	1	1	1	60.86	80.67732562
6323	30/12/2020	3	3.4	3.4.5.3	2300057470	945	30	17.6	30	2.4	10.2	1.5	72	15.3	21.25	75.43	1	1	1	1	1	54.18	71.82967892
6324	30/12/2020	3	3.4	3.4.5.3	2300057531	946	30	21.9	32	2.1	10.5	1.2	67	12.6	18.75	75.44	1	1	1	1	1	56.69	75.14594302
6325	30/12/2020	3	3.4	3.4.5.3	2300058181	945	30	20.3	30	2	12.6	1.2	60	15.1	25.20	75.43	1	1	1	1	1	50.23	66.59331336
6326	30/12/2020	3	3.4	3.4.5.3	2300046294	946	22	25.2	30	2.1	12.7	1.4	63	17.8	28.22	75.44	1	1	1	1	1	47.22	62.59004165
6327	30/12/2020	3	3.4	3.4.5.3	2300057328	950	20	20.2	30	1.4	20	1	42	20.0	47.62	75.47	1	1	1	1	1	27.85	36.89999785
6328	30/12/2020	3	3.4	3.4.5.3	2300057620	690	78	50.8	19	4.9	13.4	3.8	93	50.9	54.69	73.80	1	1	1	1	1	19.11	25.89106318
6329	30/12/2020	3	3.4	3.4.5.3	2300047668	904	81	54.9	30	6.7	10.4	5.5	201	57.2	28.46	75.17	1	1	1	1	1	46.71	62.14300156
6330	30/12/2020	3	3.4	3.4.5.3	2300047459	1050	49	41.7	19	5.4	11.8	3.9	103	46.0	44.85	76.11	1	1	1	1	1	31.25	41.06404072
6331	30/12/2020	3	3.4	3.4.5.2	2300056856	1052	20	20.1	20	2.4	10.4	1.4	48	14.6	30.33	76.12	1	1	1	1	1	45.79	60.15001112
6332	30/12/2020	3	3.4	3.4.5.2	2300048331	1078	44	48.5	19	3.9	12.5	2.04	74	25.5	34.41	76.29	1	1	1	1	1	41.87	54.8890801
6333	30/12/2020	3	3.4	3.4.5.2	2300046275	995	33	26.5	30	4.1	14	3.5	123	49.0	39.84	75.75	1	1	1	1	1	35.92	47.412152
6334	30/12/2020	3	3.4	3.4.5.2	2300047685	990	86	38.3	30	6.5	18.1	4.3	195	77.8	39.91	75.72	1	1	1	1	1	35.81	47.29032446
6335	30/12/2020	3	3.4	3.4.5.2	2300056841	995	20	30	30	2.4	20.1	1.4	72	28.1	39.08	75.75	1	1	1	1	1	36.67	48.40756484
6336	30/12/2020	3	3.4	3.4.5.2	2300058006	1026	73	51	20	6.4	13.1	5.4	128	70.7	55.27	75.95	1	1	1	1	1	20.69	27.23649944
6337	30/12/2020	3	3.4	3.4.5.2	2300057556	1020	20	20	30	6.1	10.2	2.4	183	24.5	13.38	75.91	1	1	1	1	1	62.54	82.37867958
6338	30/12/2020	3	3.4	3.4.5.2	2300058008	1020	86	38.1	30	6.8	17.7	4.6	204	81.4	39.91	75.91	1	1	1	1	1	36.00	47.42502739
6339	30/12/2020	3	3.4	3.4.5.2	2300057560	1020	20	20	30	1.6	10.2	1	48	10.2	21.25	75.91	1	1	1	1	1	54.66	72.0077983
6340	30/12/2020	3	3.4	3.4.5.2	2300047690	1025	89	27.5	20	7.1	14	6.01	142	84.1	59.25	75.95	1	1	1	1	0	16.69	21.97940494
6341	30/12/2020	3	3.4	3.4.5.2	2300058144	1022	112	49.6	30	6.8	19.7	5.3	204	104.4	51.18	75.93	1	1	1	1	1	24.75	32.5911634
6342	30/12/2020	3	3.4	3.4.5.2	2300047839	989	24	30.6	30	2.5	10.4	1.6	75	16.6	22.19	75.72	1	1	1	1	1	53.53	70.697364
6343	30/12/2020	3	3.4	3.4.5.2	2300057387	990	59	30.4	30	6.09	11.8	4.7	183	55.5	30.36	75.72	1	1	1	1	1	45.37	59.91155213
6344	30/12/2020	3	3.4	3.4.5.2	-	1012	47	32	28	3.3	11.9	2.1	92	25.0	27.05	75.86	1	1	1	1	1	48.82	64.34951709
6345	30/12/2020	3	3.4	3.4.5.2	2300057883	1013	129	44.8	30	7.1	20	5.9	213	118.0	55.40	75.87	1	1	1	1	1	20.47	26.9808288
6346	30/12/2020	3	3.4	3.4.5.2	2300058170	1016	138	59.6	29	7.1	20.8	6.1	206	126.9	61.62	75.89	1	1	1	0	0	14.27	18.79899079
6347	30/12/2020	3	3.4	3.4.5.2	2300048586	1003	123	55.4	29	6.7	20	5.6	194	112.0	57.64	75.81	1	1	1	1	0	18.16	23.95927934

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6348	30/12/2020	3	3.4	3.4.5.2	2300057433	984	120	50.6	29	6.4	21.7	4.5	186	97.7	52.61	75.68	1	1	1	1	1	23.07	30.48276436
6349	30/12/2020	3	3.4	3.4.5.2	2300056460	804	20	20.4	28	2.4	20.1	1.4	67	28.1	41.88	74.53	1	1	1	1	1	32.66	43.81577747
6350	30/12/2020	3	3.4	3.4.5.2	2300057502	989	83	38.2	30	6.7	13.3	5.7	201	75.8	37.72	75.72	1	1	1	1	1	38.00	50.18672782
6351	30/12/2020	3	3.4	3.4.5.2	-	606	127	55.2	30	6.9	20.7	5.6	207	115.9	56.00	73.26	1	1	1	1	0	17.26	23.56451428
6352	30/12/2020	3	3.4	3.4.5.2	-	609	20	20.4	20	1.4	20.2	1	28	20.2	72.14	73.28	0	0	0	0	0	1.14	1.556614109
6353	30/12/2020	3	3.4	3.4.5.2	2300057388	965	14	55.7	19	3.04	13.3	2.4	58	31.9	55.26	75.56	1	1	1	1	1	20.30	26.86382322
6354	30/12/2020	3	3.4	3.4.5.2	2300058075	654	26	28.8	30	2.2	13.5	1.7	66	23.0	34.77	73.57	1	1	1	1	1	38.80	52.73620898
6355	30/12/2020	3	3.4	3.4.5.4	2300058114	772	49	42.2	24	5.2	11.4	3.9	125	44.5	35.63	74.33	1	1	1	1	1	38.70	52.06977833
6356	30/12/2020	3	3.4	3.4.5.4	2300046284	652	33	33.9	29	5.09	12.7	4.1	148	52.1	35.28	73.56	1	1	1	1	1	38.28	52.04463933
6357	30/12/2020	3	3.4	3.4.5.4	2300057026	959	136	56.2	30	6.8	21.6	5.6	204	121.0	59.29	75.52	1	1	1	1	0	16.23	21.48928594
6358	30/12/2020	3	3.4	3.4.5.4	2300058115	1010	85	36	30	6.9	13.8	5.6	207	77.3	37.33	75.85	1	1	1	1	1	38.52	50.78004834
6359	30/12/2020	3	3.4	3.4.5.4	2300058116	1008	134	53.4	30	7.4	22.1	5.6	222	123.8	55.75	75.84	1	1	1	1	1	20.09	26.49023468
6360	30/12/2020	3	3.4	3.4.5.4	2300057590	1015	93	44.2	30	6.4	19.2	4.5	192	86.4	45.00	75.88	1	1	1	1	1	30.88	40.69739859
6361	30/12/2020	3	3.4	3.4.5.4	2300057558	773	105	50.2	32	6.5	15.6	5.9	208	92.0	44.25	74.33	1	1	1	1	1	30.08	40.47074524
6362	30/12/2020	3	3.4	3.4.5.4	2300057432	1010	78	34.6	31	6.5	13.5	5.3	202	71.6	35.51	75.85	1	1	1	1	1	40.34	53.18564949
6363	30/12/2020	3	3.4	3.4.5.4	2300057659	975	138	67.4	31	4.2	24.4	3.6	130	87.8	67.47	75.63	1	1	0	0	0	8.16	10.79068338
6364	30/12/2020	3	3.4	3.4.5.4	2300057505	519	94	62.4	30	5.4	14.6	4.8	162	70.1	43.26	72.71	1	1	1	1	1	29.45	40.50242442
6365	30/12/2020	3	3.4	3.4.5.4	2300058026	927	70	33.5	30	6.06	13.2	4.8	182	63.4	34.85	75.32	1	1	1	1	1	40.47	53.72803981
6366	30/12/2020	3	3.4	3.4.5.4	2300057796	1007	42	23.8	30	4.3	13	2.07	129	26.9	20.86	75.83	1	1	1	1	1	54.97	72.49077536
6367	30/12/2020	3	3.4	3.4.5.4	2300058001	1005	44	32.9	27	6.4	12	2.9	173	34.8	20.14	75.82	1	1	1	1	1	55.68	73.43785264
6368	30/12/2020	3	3.4	3.4.5.4	2300047689	995	46	33	30	4.03	12.8	4.4	121	56.3	46.58	75.75	1	1	1	1	1	29.17	38.50627864
6369	30/12/2020	3	3.4	3.4.5.4	2300057998	1001	81	38.9	29	6.3	14.1	5.3	183	74.7	40.90	75.79	1	1	1	1	1	34.89	46.03268947
6370	30/12/2020	3	3.4	3.4.5.4	2300057997	1004	104	48.6	30	5.3	20.4	4.1	159	83.6	52.60	75.81	1	1	1	1	1	23.21	30.61250048
6371	30/12/2020	3	3.4	3.4.5.4	2300058166	989	44	30	27	4.8	11.4	3.3	130	37.6	29.03	75.72	1	1	1	1	1	46.69	61.66209106
6372	30/12/2020	3	3.6	3.6.3.3	2300052223	943	128	61.2	30	5.2	23.5	4.2	156	98.7	63.27	75.42	1	1	1	0	0	12.15	16.11213986
6373	30/12/2020	3	3.6	3.6.3.3	2300047230	1034	46	30.8	28	4.5	11	3.2	126	35.2	27.94	76.00	1	1	1	1	1	48.07	63.24317804
6374	30/12/2020	3	3.6	3.6.3.3	23000	1019	33	18.6	30	5.04	10	2.8	151	28.0	18.52	75.91	1	1	1	1	1	57.39	75.6038677
6375	30/12/2020	3	3.6	3.6.3.3	23000	1010	84	37.7	30	6.4	14.3	5.3	192	75.8	39.47	75.85	1	1	1	1	1	36.38	47.9578664
6376	30/12/2020	3	3.6	3.6.3.3	2300058017	993	26	13	30	1.01	0.2	0.01	30	0.0	0.01	75.74	1	1	1	1	1	75.73	99.99128524
6377	30/12/2020	3	3.6	3.6.3.3	2300047232	970	20	20	5	1.06	0.2	0.2	5	0.0	0.75	75.59	1	1	1	1	1	74.84	99.00161788

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6378	30/12/2020	3	3.6	3.6.3.3	2300058016	948	47	26.5	30	1.1	11.1	0.1	33	1.1	33.6	75.45	1	1	1	1	1	72.09	95.54208918
6379	30/12/2020	3	3.6	3.6.3.3	2300049292	948	46	34.3	30	5.5	16.6	3.5	165	58.1	35.21	75.45	1	1	1	1	1	40.24	53.33250119
6380	30/12/2020	3	3.6	3.6.3.3	2300055879	926	106	44.3	30	5.6	21	4.3	168	90.3	53.75	75.31	1	1	1	1	1	21.56	28.63061063
6381	30/12/2020	3	3.6	3.6.3.3	2300048297	915	136	67.3	31	6.4	20	5.6	198	112.0	56.45	75.24	1	1	1	1	0	18.79	24.97326905
6382	30/12/2020	3	3.6	3.6.3.3	2300055783	736	111	53.1	31	5	23	4.2	155	96.6	62.32	74.10	1	1	1	0	0	11.77	15.88986692
6383	30/12/2020	3	3.6	3.6.3.3	2300048049	899	43	29.6	29	3	12.3	2.2	87	27.1	31.10	75.14	1	1	1	1	1	44.04	58.60578407
6384	30/12/2020	3	3.6	3.6.3.3	2300048302	1017	47	43.5	20	4.06	4.9	3.6	81	17.6	21.72	75.89	1	1	1	1	1	54.17	71.37598632
6385	30/12/2020	3	3.6	3.6.3.3	2300047214	1062	79	34.5	30	6.8	13.1	5.4	204	70.7	34.68	76.18	1	1	1	1	1	41.51	54.48254647
6386	30/12/2020	3	3.6	3.6.3.3	2300048303	1064	48	31	29	6.8	12.5	4.8	197	60.0	30.43	76.20	1	1	1	1	1	45.77	60.06860831
6387	30/12/2020	3	3.6	3.6.3.3	2300048220	660	17	25.9	20	4.7	9	1.01	94	9.1	9.67	73.61	1	1	1	1	1	63.94	86.86290889
6388	30/12/2020	3	3.6	3.6.3.3	2300048226	1001	137	61.5	31	6.9	22.4	6.3	214	141.1	65.97	75.79	1	1	0	0	0	9.82	12.95333759
6389	30/12/2020	3	3.6	3.6.3.3	2300048332	983	136	56.2	31	7.2	23.1	5.6	223	129.4	57.96	75.68	1	1	1	1	0	17.72	23.41552112
6390	30/12/2020	3	3.6	3.6.3.3	2300047696	1026	73	42.2	31	6.6	12.6	5.6	205	70.6	34.49	75.95	1	1	1	1	1	41.47	54.59418857
6391	30/12/2020	3	3.6	3.6.3.3	2300047701	1020	14	27.2	17	2.1	13	5.2	36	67.6	189.36	75.91	1	1	1	1	1	-113.44	-149.4345474
6392	30/12/2020	3	3.6	3.6.3.3	2300048221	991	133	68.8	30	5.2	22.8	4.8	156	109.4	70.15	75.73	1	0	0	0	0	5.57	7.36124604
6393	30/12/2020	3	3.6	3.6.3.3	2300047713	941	120	60.9	30	3.2	22.7	2.6	96	59.0	61.48	75.41	1	1	1	0	0	13.93	18.4717264
6394	30/12/2020	3	3.6	3.6.3.3	2300057985	1054	87	36.8	31	6.6	14	5.6	205	78.4	38.32	76.13	1	1	1	1	1	37.81	49.6678507
6395	30/12/2020	3	3.6	3.6.3.3	2300052470	1039	96	41.5	31	6.9	19.2	4.7	214	90.2	42.19	76.04	1	1	1	1	1	33.85	44.51554497
6396	30/12/2020	3	3.3	3.3.5.2	2300056082	994	97	40.9	31	6.8	14.8	6.05	211	89.5	42.48	75.75	1	1	1	1	1	33.27	43.9239252
6397	30/12/2020	3	3.3	3.3.5.2	2300052302	699	27	43.4	31	2.4	14.7	3.03	74	44.5	59.87	73.86	1	1	1	0	0	13.99	18.94495031
6398	30/12/2020	3	3.3	3.3.5.2	2300055930	888	107	63.4	31	7.1	15.2	6.3	220	95.8	43.51	75.07	1	1	1	1	1	31.56	42.04347909
6399	30/12/2020	3	3.3	3.3.5.2	23000	982	13	57.1	30	7.1	23.6	5.6	213	132.2	62.05	75.67	1	1	1	0	0	13.62	18.00410679
6400	30/12/2020	3	3.3	3.3.5.2	2300056078	889	30	25.8	30	4.2	10.8	1.5	126	16.2	12.86	75.08	1	1	1	1	1	62.22	82.87440546
6401	30/12/2020	3	3.3	3.3.5.2	2300056316	1014	26	31.6	31	2.9	24.2	1.8	90	43.6	48.45	75.88	1	1	1	1	1	27.42	36.14042248
6402	30/12/2020	3	3.3	3.3.5.2	2300052298	842	82	63.5	31	7.3	23.9	6.3	226	150.6	66.54	74.77	1	1	0	0	0	8.24	11.01872255
6403	30/12/2020	3	3.3	3.3.5.2	23000	1101	89	60.4	31	7.6	24.3	6.06	236	147.3	62.50	76.43	1	1	1	0	0	13.93	18.22395269
6404	30/12/2020	3	3.3	3.3.5.2	230005221	619	41	37.5	32	7.9	13	6.6	253	85.8	33.94	73.35	1	1	1	1	1	39.41	53.72735656
6405	30/12/2020	3	3.3	3.3.5.2	23000	1031	86	38.7	30	6.6	14.5	5.3	198	76.9	38.81	75.98	1	1	1	1	1	37.17	48.91960545
6406	30/12/2020	3	3.3	3.3.5.2	23000	1042	135	58.1	31	7.1	21.8	6.01	220	131.0	59.53	76.05	1	1	1	1	0	16.53	21.73198953
6407	30/12/2020	3	3.3	3.3.5.2	2300052304	925	73	53.8	22	5.4	14.1	4.5	119	63.5	53.41	75.31	1	1	1	1	1	21.90	29.07724363

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6408	30/12/2020	3	3.3	3.3.5.2	2300056238	614	20	20.4	30	5.4	20.1	1.2	162	24.1	14.89	73.32	1	1	1	1	1	58.43	79.69205887
6409	30/12/2020	3	3.3	3.3.5.2	-	778	80	42.9	31	5.5	15	5.02	171	75.3	44.16	74.37	1	1	1	1	1	30.20	40.61170699
6410	30/12/2020	3	3.3	3.3.5.2	-	615	49	34.3	32	5.8	13	4.6	186	59.8	32.22	73.32	1	1	1	1	1	41.10	56.05708029
6411	30/12/2020	3	3.3	3.3.5.1	23000	925	46	52.3	31	5.1	13.6	4.2	158	57.1	36.13	75.31	1	1	1	1	1	39.18	52.02370029
6412	30/12/2020	3	3.3	3.3.5.1	2300056083	891	20	20.4	32	5.1	10.4	1.6	163	16.6	10.20	75.09	1	1	1	1	1	64.89	86.4212336
6413	30/12/2020	3	3.3	3.3.5.1	2300056090	980	20	20.4	32	2.4	10.8	1.4	77	15.1	19.69	75.66	1	1	1	1	1	55.97	73.97829707
6414	30/12/2020	3	3.3	3.3.5.1	2300055876	950	20	40.2	30	2.4	11.4	2.2	72	25.1	34.83	75.47	1	1	1	1	1	40.63	53.84234843
6415	30/12/2020	3	3.3	3.3.5.1	23000	950	29	69	20	2.9	24.1	2.6	58	62.7	108.03	75.47	1	1	1	1	1	-32.57	-43.15649797
6416	30/12/2020	3	3.3	3.3.5.1	2300055542	983	6	17.7	22	1.4	5.2	1.1	31	5.7	18.57	75.68	1	1	1	1	1	57.11	75.45967799
6417	30/12/2020	3	3.3	3.3.5.1	23000	1002	44	26	31	2.09	12.5	1.7	65	21.3	32.80	75.80	1	1	1	1	1	43.00	56.72982773
6418	30/12/2020	3	3.3	3.3.5.1	2300057937	868	83	37.4	21	6.5	15.2	5.2	137	79.0	57.90	74.94	1	1	1	1	0	17.04	22.73307352
6419	30/12/2020	3	3.3	3.3.5.1	2300056101	619	40	30.4	27	2.4	15.4	2.1	65	32.3	49.91	73.35	1	1	1	1	1	23.44	31.95768177
6420	30/12/2020	3	3.3	3.3.5.1	23000556227	1058	88	36.3	32	5.7	13.9	5	182	69.5	38.10	76.16	1	1	1	1	1	38.05	49.96786886
6421	30/12/2020	3	3.3	3.3.5.1	2300052226	709	108	44.3	30	4.1	17.4	3.2	123	55.7	45.27	73.92	1	1	1	1	1	28.66	38.76340887
6422	30/12/2020	3	3.3	3.3.5.1	23000	928	116	64.2	31	7.4	22.9	4.6	229	105.3	45.92	75.33	1	1	1	1	1	29.41	39.0379438
6423	30/12/2020	3	3.3	3.3.5.1	2300056342	913	108	65.4	30	7.2	24.7	4.7	216	116.1	53.75	75.23	1	1	1	1	1	21.48	28.55783343
6424	30/12/2020	3	3.3	3.3.5.1	23000	911	23	38.2	20	2.4	11.2	1.5	48	16.8	35.00	75.22	1	1	1	1	1	40.22	53.46759483
6425	30/12/2020	3	3.3	3.3.5.1	2300056161	928	125	30.9	30	7.2	15.2	7.9	216	120.1	55.59	75.33	1	1	1	1	1	19.73	26.19655495
6426	30/12/2020	3	3.3	3.3.5.1	2300052256	928	110	45.4	30	4.9	19.6	3.6	147	70.6	48.00	75.33	1	1	1	1	1	27.33	36.27630594
6427	30/12/2020	3	3.3	3.3.5.1	2300056268	933	121	80.4	30	7.2	14.8	7.6	216	112.5	52.07	75.36	1	1	1	1	1	23.28	30.89701571
6428	30/12/2020	3	3.3	3.3.5.1	2300055625	632	72	37.1	31	4.3	16.4	2.6	133	42.6	31.99	73.43	1	1	1	1	1	41.44	56.43790208
6429	30/12/2020	3	3.3	3.3.5.1	2300056247	654	100	45.2	30	5.9	20.4	1.7	177	34.7	19.59	73.57	1	1	1	1	1	53.98	73.36850043
6430	30/12/2020	3	3.3	3.3.5.1	2300056100	624	42	24.9	32	3.6	12.4	1.6	115	19.8	17.22	73.38	1	1	1	1	1	56.16	76.52995898
6431	30/12/2020	3	3.3	3.3.5.1	23000	756	104	70.4	31	6.2	25.6	4.4	192	112.6	58.61	74.22	1	1	1	1	0	15.62	21.0426502
6432	30/12/2020	3	3.3	3.3.5.1	2300056089	796	96	62.2	31	6.5	26.4	2.4	202	63.4	31.44	74.48	1	1	1	1	1	43.04	57.78195507
6433	30/12/2020	3	3.3	3.3.5.1	2300056065	876	42	32.6	30	3.6	19.2	2.4	108	46.1	42.67	74.99	1	1	1	1	1	32.33	43.10534579
6434	30/12/2020	3	3.3	3.3.5.1	2300055862	872	18	36.2	10	2.1	11.6	1	21	11.6	55.24	74.97	1	1	1	1	1	19.73	26.31658916
6435	30/12/2020	3	3.3	3.3.5.3	2300056254	876	32	26.4	30	1.9	12.4	0.9	57	11.2	19.58	74.99	1	1	1	1	1	55.41	73.89209124
6436	30/12/2020	3	3.3	3.3.5.3	2300056367	724	106	46.4	32	4.6	19.6	3.5	147	68.6	46.60	74.02	1	1	1	1	1	27.42	37.03929652
6437	30/12/2020	3	3.3	3.3.5.3	2300055621	746	34	23.6	20	2.4	10.7	0.9	48	9.6	20.06	74.16	1	1	1	1	1	54.10	72.94715239

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6438	30/12/2020	3	3.3	3.3.5.3	2300052318	779	108	39.6	30	3.3	20.2	1.4	99	28.3	28.57	74.37	1	1	1	1	1	45.81	61.59063868
6439	30/12/2020	3	3.3	3.3.5.3	23000	794	129	42.1	32	4.6	24.2	3.3	147	79.9	54.25	74.47	1	1	1	1	1	20.21	27.14587634
6440	30/12/2020	3	3.3	3.3.5.3	2300055624	645	20		33	4.27	27	3.2	141	86.4	61.32	73.51	1	1	1	0	0	12.20	16.59312043
6441	30/12/2020	3	3.3	3.3.5.3	23000	824	20		32	5.8	26.1	4.61	186	120.3	64.83	74.66	1	1	0	0	0	9.83	13.16840031
6442	30/12/2020	3	3.3	3.3.5.3	2300055877	NA	20		NA	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
6443	30/12/2020	3	3.3	3.3.5.3	23000	956	137		32	6.59	23.5	5.09	211	119.6	56.72	75.50	1	1	1	1	0	18.78	24.87612335
6444	30/12/2020	3	3.3	3.3.5.3	23000	775	44.5		27	2.13	18.4	1.52	58	28.0	48.63	74.35	1	1	1	1	1	25.71	34.58754696
6445	30/12/2020	3	3.3	3.3.5.3	2300055957	806	137	67.1	32	5.2	24.4	4.6	166	112.2	67.45	74.54	1	0	0	0	0	7.09	9.514432906
6446	30/12/2020	3	3.3	3.3.5.3	2300056060	875	20	30.2	31	2.4	18.5	2.1	74	38.9	52.22	74.99	1	1	1	1	1	22.77	30.36334524
6447	30/12/2020	3	3.3	3.3.5.3	2300056098	889	42	26.4	32	3.4	14.4	2.4	109	34.6	31.76	75.08	1	1	1	1	1	43.31	57.6897076
6448	30/12/2020	3	3.3	3.3.5.3	2300056062	874	93	66	22	5.6	15.6	5.1	123	79.6	64.58	74.98	1	1	0	0	0	10.40	13.87267726
6449	30/12/2020	3	3.3	3.3.5.3	2300058099	870	36	43.7	32	5.9	15.1	5.4	189	81.5	43.19	74.95	1	1	1	1	1	31.77	42.37991392
6450	30/12/2020	3	3.3	3.3.5.3	2300055577	858	80	42.3	31	5.1	15	5.2	158	78.0	49.34	74.88	1	1	1	1	1	25.54	34.11096652
6451	30/12/2020	3	3.3	3.3.5.3	2300055872	874	112	51.4	32	5.6	21.8	4.2	179	91.6	51.09	74.98	1	1	1	1	1	23.89	31.85646496
6452	30/12/2020	3	3.3	3.3.5.3	2300056103	800	132	52.3	30	5.2	23.4	3.6	156	84.2	54.00	74.51	1	1	1	1	1	20.51	27.52261563
6453	30/12/2020	3	3.3	3.3.5.3	2300056081	755	25	24.3	30	4.6	11	3.1	138	34.1	24.71	74.22	1	1	1	1	1	49.51	66.7059946
6454	30/12/2020	3	3.3	3.3.5.3	23000	788	26	34.5	31	3.6	24.5	2.2	112	53.9	48.30	74.43	1	1	1	1	1	26.13	35.1094852
6455	30/12/2020	3	3.3	3.3.5.3	2300055590	789	30	26.2	31	4.6	11.5	3.2	143	36.8	25.81	74.44	1	1	1	1	1	48.63	65.33049829
6456	30/12/2020	3	3.3	3.3.5.3	2300056105	845	124	53.3	30	5.4	24.5	3.9	162	95.6	58.98	74.79	1	1	1	1	0	15.81	21.14142648
6457	30/12/2020	3	3.3	3.3.5.3	2300058169	848	30	25.7	31	4.7	11.5	3.3	146	38.0	26.05	74.81	1	1	1	1	1	48.77	65.18439093
6458	30/12/2020	3	3.3	3.3.5.3	23000	875	48	31	30	3.7	24	4.4	111	105.6	95.14	74.99	1	1	1	1	1	-20.15	-26.87052935
6459	30/12/2020	3	3.3	3.3.5.4	2300056080	920	22	24.5	29	3.6	10.9	2.3	104	25.1	24.01	75.27	1	1	1	1	1	51.26	68.09866626
6460	30/12/2020	3	3.3	3.3.5.4	2300055931	922	41	24.1	30	3.7	12.5	2.6	111	32.5	29.28	75.29	1	1	1	1	1	46.01	61.10967755
6461	30/12/2020	3	3.3	3.3.5.4	2300056102	956	20	4.2	20	4.8	11.5	3.5	96	40.3	41.93	75.50	1	1	1	1	1	33.58	44.47067544
6462	30/12/2020	3	3.3	3.3.5.4	23000	1069	137	65.3	32	6.3	23.8	5.6	202	133.3	66.11	76.23	1	1	0	0	0	10.12	13.27142516
6463	30/12/2020	3	3.3	3.3.5.4	2300052285	1042	87	60.1	21	6.6	14.6	5.8	139	84.7	61.10	76.05	1	1	1	0	0	14.96	19.66755406
6464	30/12/2020	3	3.3	3.3.5.4	2300052288	1035	102	56.7	30	7.06	15	6.4	212	96.0	45.33	76.01	1	1	1	1	1	30.68	40.36866329
6465	30/12/2020	3	3.3	3.3.5.4	2300056288	1022	136	62.6	31	6.7	23.1	5.8	208	134.0	64.51	75.93	1	1	1	0	0	11.42	15.04119789
6466	30/12/2020	3	3.3	3.3.5.4	2300055458	1045	89	62.8	30	3.3	15.7	2.9	99	45.5	45.99	76.07	1	1	1	1	1	30.08	39.54583828
6467	30/12/2020	3	3.3	3.3.5.4	2300055539	1004	20	32.1	31	2.4	21.2	1.4	74	29.7	39.89	75.81	1	1	1	1	1	35.92	47.37946024

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6468	30/12/2020	3	3.3	3.3.5.4	2300055630	995	120	53.3	31	7.2	19.85	5.8	223	115.1	51.58	75.75	1	1	1	1	1	24.17	31.9091517
6469	31/12/2020	3	3.3	3.3.5.4	2300055617	1020	101	63.3	30	7.6	15	6.7	228	100.5	44.08	75.91	1	1	1	1	1	31.84	41.93568068
6470	31/12/2020	3	3.3	3.3.5.4	2300056242	1035	90	37.2	31	7.5	14.5	6.7	233	97.2	41.78	76.01	1	1	1	1	1	34.23	45.02704087
6471	31/12/2020	3	3.3	3.3.5.4	2300052309	1024	38	21	21	7.3	7.1	4.7	153	33.4	21.77	75.94	1	1	1	1	1	54.17	71.33540919
6472	31/12/2020	3	3.3	3.3.5.4	2300056136	1042	100	31.4	31	5.3	12.2	5	164	61.0	37.13	76.05	1	1	1	1	1	38.93	51.18361191
6473	31/12/2020	3	3.3	3.3.5.4	23000	898	120	61	31	6.1	24	5	189	120.0	63.46	75.13	1	1	1	0	0	11.67	15.53868653
6474	31/12/2020	3	3.3	3.3.5.4	2300052312	1045	94	4.8	29	6.7	15.5	6.1	194	94.6	48.66	76.07	1	1	1	1	1	27.41	36.03351592
6475	31/12/2020	3	3.3	3.3.5.4	2300052306	1020	95	66.9	20	6.6	15.6	6.1	132	95.2	72.09	75.91	1	0	0	0	0	3.82	5.036081499
6476	31/12/2020	3	3.3	3.3.5.4	23000	1021	97	64.9	21	6.7	15.6	6.3	141	98.3	69.85	75.92	1	0	0	0	0	6.07	7.994759948
6477	31/12/2020	5	5.4	5.4.6.4	NA	743	108	50	31	5.34	19.1	4.44	166	84.8	51.23	74.14	1	1	1	1	1	22.91	30.90386175
6478	31/12/2020	5	5.4	5.4.6.4	NA	743	112	50.6	31	5.3	19.6	4.36	164	85.5	52.01	74.14	1	1	1	1	1	22.13	29.84713917
6479	31/12/2020	5	5.4	5.4.6.4	NA	737	105	49.8	31	5.22	19.1	4.33	162	82.7	51.11	74.10	1	1	1	1	1	22.99	31.03091751
6480	31/12/2020	5	5.1	5.1.3.3	22011010714022	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
6481	31/12/2020	5	5.1	5.1.3.3	22011023070362	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
6482	31/12/2020	5	5.1	5.1.3.3	22011012881170	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
6483	31/12/2020	5	5.1	5.1.3.3	2201102881168	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
6484	31/12/2020	5	5.1	5.1.3.3	22011002881153	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
6485	31/12/2020	5	5.2	5.2.1.1	2201122167609	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
6486	31/12/2020	5	5.2	5.2.1.1	220110112594726	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
6487	31/12/2020	5	5.2	5.2.1.1	NA	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
6488	31/12/2020	5	5.2	5.2.1.1	2201022167471	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
6489	31/12/2020	5	5.2	5.2.1.2	22010120865352	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
6490	31/12/2020	5	5.2	5.2.1.3	NA	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
6491	31/12/2020	5	5.2	5.2.1.4	2201012865312	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
6492	31/12/2020	5	5.2	5.2.1.4	22010120163735	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
6493	31/12/2020	5	5.2	5.2.2.3	22011012783328	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
6494	31/12/2020	5	5.2	5.2.2.3	22011012786	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
6495	31/12/2020	5	5.2	5.2.2.3	22011011270050	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
6496	31/12/2020	5	5.2	5.2.2.3	NA	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6497	31/12/2020	5	5.2	5.2.2.3	n22011012780811	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
6498	31/12/2020	5	5.2	5.2.2.3	22011120773122	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
6499	31/12/2020	5	5.2	5.2.2.3	2201011273000	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
6500	31/12/2020	5	5.2	5.2.2.3	2201010773119	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
6501	31/12/2020	5	5.2	5.2.2.4	NA	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
6502	31/12/2020	5	5.2	5.2.2.4	22011011275045	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
6503	31/12/2020	5	5.2	5.2.2.4	22011012078414	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
6504	31/12/2020	5	5.2	5.2.2.4	NA	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
6505	31/12/2020	5	5.3	5.3.1.4	2300050767	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
6506	31/12/2020	5	5.3	5.3.1.4	2300050741	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
6507	31/12/2020	5	5.3	5.3.1.4	2300050682	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
6508	31/12/2020	5	5.3	5.3.1.4	2300050760	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
6509	31/12/2020	5	5.3	5.3.1.4	2300050031	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
6510	31/12/2020	5	5.3	5.3.1.4	2300050096	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
6511	31/12/2020	5	5.3	5.3.2.4	vsl22011022167680	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
6512	31/12/2020	5	5.3	5.3.2.4	NA	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
6513	31/12/2020	5	5.3	5.3.2.4	2300050674	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
6514	31/12/2020	5	5.3	5.3.2.4	2300015212	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
6515	31/12/2020	5	5.3	5.3.2.4	2300051099	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
6516	31/12/2020	5	5.3	5.3.3.1	2300043722	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
6517	31/12/2020	5	5.3	5.3.3.1	2300043737	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
6518	31/12/2020	5	5.3	5.3.3.1	2300043724	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
6519	31/12/2020	5	5.3	5.3.3.1	vspl22011010672845	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
6520	31/12/2020	5	5.3	5.3.3.2	NA	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
6521	31/12/2020	5	5.3	5.3.3.2	2300044178	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
6522	31/12/2020	5	5.3	5.3.3.2	2300046145	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
6523	31/12/2020	5	5.3	5.3.3.2	2300042934	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
6524	31/12/2020	5	5.3	5.3.3.2	2300046574	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6525	31/12/2020	5	5.3	5.3.3.2	2300046256	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
6526	31/12/2020	5	5.3	5.3.3.3	NA	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
6527	31/12/2020	5	5.3	5.3.3.3	2300043450	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
6528	31/12/2020	5	5.3	5.3.3.3	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
6529	31/12/2020	5	5.3	5.3.3.3	2300043292	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
6530	31/12/2020	5	5.3	5.3.3.3	2300043294	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
6531	31/12/2020	5	5.3	5.3.3.4	2300042568	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
6532	31/12/2020	5	5.3	5.3.3.4	2300044727	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
6533	31/12/2020	5	5.3	5.3.3.4	2300043008	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
6534	31/12/2020	5	5.3	5.3.3.4	2300043458	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
6535	31/12/2020	5	5.3	5.3.3.4	2300043633	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
6536	31/12/2020	5	5.3	5.3.4.1	NA	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
6537	31/12/2020	5	5.3	5.3.4.1	NA	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
6538	31/12/2020	5	5.3	5.3.4.2	NA	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
6539	31/12/2020	5	5.3	5.3.4.2	2300043788	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
6540	31/12/2020	5	5.3	5.3.4.3	NA	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
6541	31/12/2020	5	5.3	5.3.4.3	NA	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
6542	31/12/2020	5	5.3	5.3.4.3	NA	911	25	59.6	30	6.3	20	5.3	189	106.0	56.08	75.22	1	1	1	1	1	19.13	25.4356017
6543	31/12/2020	5	5.3	5.3.4.3	2300046150	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
6544	31/12/2020	5	5.3	5.3.6.2	NA	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
6545	31/12/2020	3	3.4	3.4.4.2	23000	1054	95	65.1	20	6.8	15.4	6.1	136	93.9	69.07	76.13	1	0	0	0	0	7.06	9.270881721
6546	31/12/2020	3	3.4	3.4.4.2	2300053193	1021	134	61.7	31	7.06	22.4	6.1	219	136.6	62.43	75.92	1	1	1	0	0	13.49	17.7657055
6547	31/12/2020	3	3.4	3.4.4.2	23000	1047	20	20.34	30	2.4	18.1	1.4	72	25.3	35.19	76.09	1	1	1	1	1	40.89	53.74434929
6548	31/12/2020	3	3.4	3.4.4.2	2300053426	1008	30	42.9	30	3.8	15	3.2	114	48.0	42.11	75.84	1	1	1	1	1	33.73	44.479407
6549	31/12/2020	3	3.4	3.4.4.2	23000	1009	36	54.2	31	6.2	25.9	4	192	103.6	53.90	75.84	1	1	1	1	1	21.94	28.92981712
6550	31/12/2020	3	3.4	3.4.4.2	2300053191	999	20	20.4	31	2.4	20.1	2.1	74	42.2	56.73	75.78	1	1	1	1	1	19.05	25.13305564
6551	31/12/2020	3	3.4	3.4.4.2	2300050451	1016	89	60.7	30	6.8	14.8	5.7	204	84.4	41.35	75.89	1	1	1	1	1	34.54	45.50821841
6552	31/12/2020	3	3.4	3.4.4.2	2300053936	1014	84	42	30	6.4	14	5.5	192	77.0	40.10	75.88	1	1	1	1	1	35.77	47.1448441
6553	31/12/2020	3	3.4	3.4.4.2	23000	1027	83	48.7	30	5.1	13.8	4.3	153	59.3	38.78	75.96	1	1	1	1	1	37.17	48.94032854
6554	31/12/2020	3	3.4	3.4.4.2	2300048178	1030	124	55	31	7.2	19.4	5.9	223	114.5	51.28	75.98	1	1	1	1	1	24.70	32.50498564

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6555	31/12/2020	3	3.4	3.4.4.2	23000	1036	135	59.5	30	6.9	21.8	5.8	207	126.4	61.08	76.02	1	1	1	0	0	14.93	19.64612162
6556	31/12/2020	3	3.4	3.4.4.2	23000	1041	106	59.5	30	6.7	19.3	5.2	201	100.4	49.93	76.05	1	1	1	1	1	26.12	34.34398586
6557	31/12/2020	3	3.4	3.4.4.2	23000	1034	48	32.9	20	7.7	11.7	3.3	154	38.6	25.07	76.00	1	1	1	1	1	50.93	67.01284075
6558	31/12/2020	3	3.4	3.4.4.2	2300052787	1028	88	35.8	31	7.1	13.5	5.8	220	78.3	35.57	75.97	1	1	1	1	1	40.39	53.16968986
6559	31/12/2020	3	3.4	3.4.4.2	23000	1024	136	60.5	31	7.2	22.4	6.8	223	152.3	68.24	75.94	1	1	0	0	0	7.70	10.13420192
6560	31/12/2020	3	3.4	3.4.4.2	2300053146	948	48	44.1	21	5.6	11.9	4.8	118	57.1	48.57	75.45	1	1	1	1	1	26.88	35.62707934
6561	31/12/2020	3	3.4	3.4.4.2	2300053203	968	105	48.5	30	6.1	20.3	4.6	183	93.4	51.03	75.58	1	1	1	1	1	24.55	32.48675278
6562	31/12/2020	3	3.4	3.4.4.2	2300053197	964	48	29.7	20	4.06	13	3.3	81	42.9	52.83	75.56	1	1	1	1	1	22.72	30.07465719
6563	31/12/2020	3	3.4	3.4.4.2	23000	989	20	3.4	21	2.1	10.1	1	44	10.1	22.90	75.72	1	1	1	1	1	52.81	69.75194764
6564	31/12/2020	3	3.4	3.4.4.2	2300052204	957	100	64.7	21	6.6	15.4	5.9	139	90.9	65.56	75.51	1	1	0	0	0	9.96	13.18386833
6565	31/12/2020	3	3.4	3.4.4.2	23000	984	115	43.2	31	5.8	22.7	4.7	180	106.7	59.34	75.68	1	1	1	1	0	16.35	21.59707849
6566	31/12/2020	3	3.4	3.4.4.2	2300050211	951	70	38.8	29	5.7	14	4.6	165	64.4	38.96	75.47	1	1	1	1	1	36.51	48.37918546
6567	31/12/2020	3	3.4	3.4.4.2	2300053201	968	70	51.5	21	5.7	13.4	4.6	120	61.6	51.50	75.58	1	1	1	1	1	24.09	31.86744167
6568	31/12/2020	3	3.4	3.4.4.2	23000	975	80	36	31	6.2	17.8	3.9	192	69.4	36.12	75.63	1	1	1	1	1	39.51	52.24046435
6569	31/12/2020	3	3.4	3.4.4.4	2300053141	978	48	42.4	20	4.9	11.6	3.7	98	42.9	43.80	75.65	1	1	1	1	1	31.85	42.10350641
6570	31/12/2020	3	3.4	3.4.4.4	2300053130	988	28	29.9	32	4.7	12.2	3.7	150	45.1	30.01	75.71	1	1	1	1	1	45.70	60.35713246
6571	31/12/2020	3	3.4	3.4.4.4	2300053207	989	43	31.7	30	5.2	12.6	3.9	156	49.1	31.50	75.72	1	1	1	1	1	44.22	58.39694858
6572	31/12/2020	3	3.4	3.4.4.4	23000	965	43	30.3	29	5.5	12	4.3	160	51.6	32.35	75.56	1	1	1	1	1	43.21	57.18602316
6573	31/12/2020	3	3.4	3.4.4.4	2300053405	961	42	45	32	3.4	15	3.05	109	45.8	42.05	75.54	1	1	1	1	1	33.49	44.33196134
6574	31/12/2020	3	3.4	3.4.4.4	2300053155	978	48	31.5	30	3.7	19.4	2.08	111	40.4	36.35	75.65	1	1	1	1	1	39.29	51.94255134
6575	31/12/2020	3	3.4	3.4.4.4	2300053409	974	49	29	30	4.7	17	2.5	141	42.5	30.14	75.62	1	1	1	1	1	45.48	60.14017005
6576	31/12/2020	3	3.4	3.4.4.4	2300053196	968	46	31.2	30	5.8	12	4.5	174	54.0	31.03	75.58	1	1	1	1	1	44.55	58.93888592
6577	31/12/2020	3	3.4	3.4.4.4	2300052772	974	82	42.5	30	5.6	17.5	4.2	168	73.5	43.75	75.62	1	1	1	1	1	31.87	42.14462917
6578	31/12/2020	3	3.4	3.4.4.4	2300053159	985	49	31.7	30	5.6	12.5	4.6	168	57.5	34.23	75.69	1	1	1	1	1	41.46	54.78109331
6579	31/12/2020	3	3.4	3.4.4.4	23000	984	41	29	31	5.5	11.5	3.5	171	40.3	23.61	75.68	1	1	1	1	1	52.08	68.80825156
6580	31/12/2020	3	3.4	3.4.4.4	2300053198	1034	107	48	32	7.2	16.2	6.3	230	102.1	44.30	76.00	1	1	1	1	1	31.71	41.71739891
6581	31/12/2020	3	3.4	3.4.4.4	2300053473	678	100	48.6	29	6.7	16.5	5.4	194	89.1	45.86	73.73	1	1	1	1	1	27.87	37.80020633
6582	31/12/2020	3	3.4	3.4.4.4	2300053408	875	104	57.6	30	7.3	15.3	6.8	219	104.0	47.51	74.99	1	1	1	1	1	27.48	36.64570811
6583	31/12/2020	3	3.4	3.4.4.4	23000	687	26	34.5	30	1.9	21.2	0.8	57	17.0	29.75	73.78	1	1	1	1	1	44.03	59.67300514
6584	31/12/2020	3	3.4	3.4.4.4	2300052735	959	99	87.9	29	6.6	19.7	4.8	191	94.6	49.40	75.52	1	1	1	1	1	26.12	34.58417142

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6585	31/12/2020	3	3.4	3.4.4.4	2300052755	990	104	64.5	31	7.1	15.4	6.4	220	98.6	44.78	75.72	1	1	1	1	1	30.94	40.8630971
6586	31/12/2020	3	3.4	3.4.4.4	2300053725	990	20	30.4	32	2.4	18.4	1.4	77	25.8	33.54	75.72	1	1	1	1	1	42.18	55.70419869
6587	31/12/2020	3	3.4	3.4.4.4	2300052765	1120	134	59.8	30	7.5	21.1	6.5	225	137.2	60.96	76.55	1	1	1	1	0	15.60	20.37574058
6588	31/12/2020	3	3.4	3.4.4.4	2300052717	689	129	60.1	32	6.6	23.4	5.4	211	126.4	59.83	73.80	1	1	1	0	0	13.97	18.92532149
6589	31/12/2020	3	3.4	3.4.4.4	2300053758	1054	137	60.4	30	6.9	23.5	5.7	207	134.0	64.71	76.13	1	1	1	0	0	11.42	15.00225277
6590	31/12/2020	3	3.4	3.4.4.4	23000	1044	107	49.5	32	6.7	19.9	5.3	214	105.5	49.19	76.07	1	1	1	1	1	26.87	35.32976324
6591	31/12/2020	3	3.4	3.4.4.4	2300050590	1036	91	37.4	31	7.1	14.1	5.9	220	83.2	37.80	76.02	1	1	1	1	1	38.22	50.27855021
6592	31/12/2020	3	3.4	3.4.4.4	23000	1070	109	51.7	32	7.1	22.6	5.1	227	115.3	50.73	76.23	1	1	1	1	1	25.50	33.4540575
6593	31/12/2020	3	3.4	3.4.4.1	2300050632	1055	70	42.9	24	6.5	13	5.2	156	67.6	43.33	76.14	1	1	1	1	1	32.80	43.08580034
6594	31/12/2020	3	3.4	3.4.4.1	23000	1065	111	56.2	31	6.7	20.6	5.4	208	111.2	53.56	76.20	1	1	1	1	1	22.64	29.71573401
6595	31/12/2020	3	3.4	3.4.4.1	23000	1100	44	25.4	20	4.2	13	2.9	84	37.7	44.88	76.43	1	1	1	1	1	31.55	41.27528278
6596	31/12/2020	3	3.4	3.4.4.1	23000	1075	99	37.5	31	7.4	14.7	6.2	229	91.1	39.73	76.27	1	1	1	1	1	36.54	47.90636754
6597	31/12/2020	3	3.4	3.4.4.1	23000	889	101	50.3	31	7.08	21.9	5.2	219	113.9	51.89	75.08	1	1	1	1	1	23.19	30.88796273
6598	31/12/2020	3	3.4	3.4.4.1	2300053209	999	105	51.6	32	6.8	22.9	5.8	218	132.8	61.04	75.78	1	1	1	0	0	14.74	19.4524609
6599	31/12/2020	3	3.4	3.4.4.1	23000	1008	79	32.4	31	6.8	13.1	5.3	211	69.4	32.94	75.84	1	1	1	1	1	42.90	56.56955605
6600	31/12/2020	3	3.4	3.4.4.1	23000	1018	45	39.9	22	6.8	12.4	4.3	150	53.3	35.64	75.90	1	1	1	1	1	40.26	53.0419661
6601	31/12/2020	3	3.4	3.4.4.1	2300050529	1025	46	28.8	31	5.7	12.4	4.7	177	58.3	32.98	75.95	1	1	1	1	1	42.96	56.57117407
6602	31/12/2020	3	3.4	3.4.4.1	23000	1068	48	44.1	20	6.3	12.2	3.8	126	46.4	36.79	76.22	1	1	1	1	1	39.43	51.7277991
6603	31/12/2020	3	3.4	3.4.4.1	23000	1057	109	50.2	31	5.1	22.2	5.08	158	112.8	71.33	76.15	1	0	0	0	0	4.82	6.327880585
6604	31/12/2020	3	3.4	3.4.4.1	2300053138	1024	35	31.6	30	7.09	10.6	5.1	213	54.1	25.42	75.94	1	1	1	1	1	50.52	66.53119192
6605	31/12/2020	3	3.4	3.4.4.1	23000	1047	116	53.5	30	5.1	21.9	5.3	153	116.1	75.86	76.09	0	0	0	0	0	0.22	0.294472763
6606	31/12/2020	3	3.4	3.4.4.1	2300050307	1045	74	36.9	29	6.8	13.4	5.08	197	68.1	34.52	76.07	1	1	1	1	1	41.55	54.62409
6607	31/12/2020	3	3.4	3.4.4.1	23000	1089	49	27	30	5.1	12	4.2	153	50.4	32.94	76.36	1	1	1	1	1	43.41	56.85820494
6608	31/12/2020	3	3.4	3.4.4.1	2300053401	1097	92	38.5	32	6.9	14.7	5.8	221	85.3	38.61	76.41	1	1	1	1	1	37.79	49.46244256
6609	31/12/2020	3	3.4	3.4.4.1	23000	1101	93	19.9	30	6.09	19.7	4.1	183	80.8	44.21	76.43	1	1	1	1	1	32.22	42.15923361
6610	31/12/2020	3	3.4	3.4.4.1	2300053312	731	48	41	30	4.9	15.7	4.1	147	64.4	43.79	74.06	1	1	1	1	1	30.28	40.87697241
6611	31/12/2020	3	3.4	3.4.4.1	2300050587	889	117	52.7	30	7.3	22.5	5.6	219	126.0	57.53	75.08	1	1	1	1	0	17.54	23.36491939
6612	31/12/2020	3	3.4	3.4.4.1	2300053157	1121	105	49.5	30	7.01	21.3	5.2	210	110.8	52.67	76.56	1	1	1	1	1	23.89	31.20775533
6613	31/12/2020	3	3.4	3.4.4.1	23000	1120	82	33.9	31	6.6	13.4	5.4	205	72.4	35.37	76.55	1	1	1	1	1	41.19	53.80180145
6614	31/12/2020	3	3.4	3.4.4.1	2300053148	1133	36	43.1	31	4.4	23.8	3.3	136	78.5	57.58	76.64	1	1	1	1	0	19.06	24.86593304

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6615	31/12/2020	3	3.4	3.4.4.1	23000	821	117	54	32	6.3	21.7	5.1	202	110.7	54.90	74.64	1	1	1	1	1	19.74	26.45292183
6616	31/12/2020	3	3.4	3.4.4.1	2300050549	1092	114	51.6	30	6.99	13.3	5.6	210	74.5	35.52	76.37	1	1	1	1	1	40.86	53.49590988
6617	31/12/2020	3	3.4	3.4.4.3	2300053202	1058	79	34.4	30	6.4	13.6	5.3	192	72.1	37.54	76.16	1	1	1	1	1	38.62	50.70503292
6618	31/12/2020	3	3.4	3.4.4.3	23000	1068	84	33.6	31	6.8	12.1	5.5	211	66.6	31.57	76.22	1	1	1	1	1	44.65	58.58080333
6619	31/12/2020	3	3.4	3.4.4.3	2300050583	818	45	32.2	32	5.9	22.6	4.5	189	101.7	53.87	74.62	1	1	1	1	1	20.75	27.81337552
6620	31/12/2020	3	3.4	3.4.4.3	2300052783	679	133	58.2	31	6.8	13	5.7	211	74.1	35.15	73.73	1	1	1	1	1	38.58	52.32464417
6621	31/12/2020	3	3.4	3.4.4.3	23000	682	42	49.5	30	6.2	14.5	5.03	186	72.9	39.21	73.75	1	1	1	1	1	34.54	46.83126747
6622	31/12/2020	3	3.4	3.4.4.3	23000	1151	44	38.6	30	5.2	13.4	4.3	156	57.6	36.94	76.75	1	1	1	1	1	39.82	51.87655704
6623	31/12/2020	3	3.4	3.4.4.3	2300050560	889	81	34.8	31	6.6	15	4.8	205	72.0	35.19	75.08	1	1	1	1	1	39.88	53.12642745
6624	31/12/2020	3	3.4	3.4.4.3	2300053161	676	36	43.5	31	3.8	11.9	3.4	118	40.5	34.35	73.71	1	1	1	1	1	39.37	53.40492272
6625	31/12/2020	3	3.4	3.4.4.3	2300053164	1120	46	45.3	20	5.9	14.4	4.5	118	64.8	54.92	76.55	1	1	1	1	1	21.64	28.26598971
6626	31/12/2020	3	3.4	3.4.4.3	23000	1139	48	40.7	32	5.1	13.8	4.6	163	63.5	38.90	76.68	1	1	1	1	1	37.78	49.27061696
6627	31/12/2020	3	3.4	3.4.4.3	23000	778	105	57.5	28	5.8	16.5	5.3	162	87.5	53.85	74.37	1	1	1	1	1	20.52	27.58908445
6628	31/12/2020	3	3.4	3.4.4.3	23000	810	105	64.3	22	5.8	15.5	5.2	128	80.6	63.17	74.57	1	1	1	0	0	11.40	15.2928199
6629	31/12/2020	3	3.4	3.4.4.3	23000	811	33	30.2	32	5.2	12.5	3.9	166	48.8	29.30	74.58	1	1	1	1	1	45.28	60.71562183
6630	31/12/2020	3	3.4	3.4.4.3	23000	807	80	48.4	23	5.6	14.2	4.5	129	63.9	49.61	74.55	1	1	1	1	1	24.94	33.45235565
6631	31/12/2020	3	3.4	3.4.4.3	2300050531	795	115	70.3	32	5.8	24.7	5.4	186	133.4	71.86	74.47	0	0	0	0	0	2.61	3.504277818
6632	31/12/2020	3	3.4	3.4.4.3	23000	796	45	36	32	5.6	14	4.6	179	64.4	35.94	74.48	1	1	1	1	1	38.54	51.74905076
6633	31/12/2020	3	3.4	3.4.4.3	2300053153	797	86	46.1	32	5.9	15.5	5.4	189	83.7	44.33	74.49	1	1	1	1	1	30.15	40.48257259
6634	31/12/2020	3	3.4	3.4.4.3	23000	809	88	50.5	28	5.6	15.8	5.08	157	80.3	51.19	74.56	1	1	1	1	1	23.37	31.34884111
6635	31/12/2020	3	3.4	3.4.4.3	2300053152	838	45	54.6	32	5.7	14.9	4.6	182	68.5	37.58	74.75	1	1	1	1	1	37.17	49.72955646
6636	31/12/2020	3	3.4	3.4.4.3	2300053150	868	73	38.2	31	6.1	14.6	5.08	189	74.2	39.22	74.94	1	1	1	1	1	35.72	47.6635337
6637	31/12/2020	3	3.4	3.4.4.3	23000	691	89	58	21	4.5	14.8	3.7	95	54.8	57.95	73.81	1	1	1	1	0	15.86	21.48984405
6638	31/12/2020	3	3.4	3.4.4.3	23000	812	121	68.7	22	6.1	16.9	5.5	134	93.0	69.26	74.58	1	0	0	0	0	5.32	7.133688891
6639	31/12/2020	3	3.4	3.4.4.3	2300053125	838	111	68.8	22	6.2	16.6	5.6	136	93.0	68.15	74.75	1	0	0	0	0	6.60	8.82512098
6640	31/12/2020	3	3.4	3.4.4.3	2300053140	845	86	57.2	21	5.6	14.7	4.6	118	67.6	57.50	74.79	1	1	1	1	0	17.29	23.12217558
6641	31/12/2020	5	5.3	5.3.5.1	2300056261	892	82	45.7	30	5.6	16.9	4.09	168	69.1	41.14	75.09	1	1	1	1	1	33.95	45.21131639
6642	31/12/2020	5	5.3	5.3.5.1	2300054704	897	134	56.3	30	7.6	20.5	5.6	228	114.8	50.35	75.13	1	1	1	1	1	24.78	32.97880757
6643	31/12/2020	5	5.3	5.3.5.1	2300054719	912	101	62	32	6.1	15.8	5.6	195	88.5	45.33	75.22	1	1	1	1	1	29.89	39.74184841
6644	31/12/2020	5	5.3	5.3.5.1	2300055475	895	68	35.6	31	6.2	13.7	5.1	192	69.9	36.35	75.11	1	1	1	1	1	38.76	51.60321971

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6645	31/12/2020	5	5.3	5.3.5.1	23000	818	31	39.2	32	2.7	13.9	1.6	86	22.2	25.74	74.62	1	1	1	1	1	48.88	65.50478853
6646	31/12/2020	5	5.3	5.3.5.1	2300054229	889	135	55.1	32	6.3	22.6	4.9	202	110.7	54.93	75.08	1	1	1	1	1	20.15	26.83301158
6647	31/12/2020	5	5.3	5.3.5.1	2300055601	917	94	41.4	32	6.7	15.3	5.8	214	88.7	41.39	75.25	1	1	1	1	1	33.86	45.0002852
6648	31/12/2020	5	5.3	5.3.5.1	2300056243	938	85	38.8	31	7.6	24.4	5.6	236	136.6	58.00	75.39	1	1	1	1	0	17.39	23.07040741
6649	31/12/2020	5	5.3	5.3.5.1	2300054702	932	135	54.3	32	6.6	21.8	5.3	211	115.5	54.71	75.35	1	1	1	1	1	20.64	27.39766612
6650	31/12/2020	5	5.3	5.3.5.1	2300054692	1022	89	37.3	31	6.8	14.4	5.6	211	80.6	38.25	75.93	1	1	1	1	1	37.67	49.61690806
6651	31/12/2020	5	5.3	5.3.5.1	2300056291	1022	73	35.4	31	6.1	13.7	4.9	189	67.1	35.50	75.93	1	1	1	1	1	40.43	53.24478894
6652	31/12/2020	5	5.3	5.3.5.1	2300055811	1009	63	30.4	31	6.08	12.6	4.5	188	56.7	30.08	75.84	1	1	1	1	1	45.76	60.33578654
6653	31/12/2020	5	5.3	5.3.5.1	23000	879	26	64.6	21	3.1	14.9	2.7	65	40.2	61.80	75.01	1	1	1	0	0	13.21	17.61642863
6654	31/12/2020	5	5.3	5.3.5.1	2300056259	1026	88	37.5	31	6.9	14	5.8	214	81.2	37.96	75.95	1	1	1	1	1	37.99	50.01913787
6655	31/12/2020	5	5.3	5.3.5.1	2300055535	1029	76	35.2	31	6.3	13.7	5.1	195	69.9	35.78	75.97	1	1	1	1	1	40.20	52.90907438
6656	31/12/2020	5	5.3	5.3.5.1	2300055602	985	83	36.8	30	6.7	14	5.6	201	78.4	39.00	75.69	1	1	1	1	1	36.69	48.46746582
6657	31/12/2020	5	5.3	5.3.5.1	2300055982	989	82	37.8	31	6.5	14.2	5.4	202	76.7	38.05	75.72	1	1	1	1	1	37.66	49.74009244
6658	31/12/2020	5	5.3	5.3.5.1	2300054710	999	95	40	31	6.8	19.1	4.5	211	86.0	40.77	75.78	1	1	1	1	1	35.01	46.19495909
6659	31/12/2020	5	5.3	5.3.5.1	2300050536	958	89	35.3	30	6.7	13.3	5.5	201	73.2	36.39	75.52	1	1	1	1	1	39.12	51.80828364
6660	31/12/2020	5	5.3	5.3.5.1	2300055799	968	102	41.8	31	7.1	14.9	6.3	220	93.9	42.65	75.58	1	1	1	1	1	32.93	43.57221637
6661	31/12/2020	5	5.3	5.3.5.1	23000	978	47	40.8	23	5.7	12	4.4	131	52.8	40.27	75.65	1	1	1	1	1	35.37	46.75855237
6662	31/12/2020	5	5.3	5.3.5.1	2300055555	988	118	50.7	30	6.8	20	5.4	204	108.0	52.94	75.71	1	1	1	1	1	22.77	30.07299447
6663	31/12/2020	5	5.3	5.3.5.1	23000	965	43	26.6	27	5.06	11.4	3.5	137	39.9	29.21	75.56	1	1	1	1	1	46.36	61.34949522
6664	31/12/2020	5	5.3	5.3.5.1	2300055427	998	46	46.7	23	6.4	8.7	4.7	147	40.9	27.78	75.77	1	1	1	1	1	47.99	63.33989774
6665	31/12/2020	5	5.3	5.3.5.2	2300055976	829	61	35.4	32	5.6	13.7	4.5	179	61.7	34.40	74.69	1	1	1	1	1	40.29	53.94006584
6666	31/12/2020	5	5.3	5.3.5.2	2300054647	926	60	33.7	31	5.5	13.3	4.4	171	58.5	34.32	75.31	1	1	1	1	1	40.99	54.42638842
6667	31/12/2020	5	5.3	5.3.5.2	2300055632	726	72	44.6	31	5.1	15.3	4.7	158	71.9	45.48	74.03	1	1	1	1	1	28.55	38.56220929
6668	31/12/2020	5	5.3	5.3.5.2	2300054312	818	42	37.5	31	4.7	14.7	3.7	146	54.4	37.33	74.62	1	1	1	1	1	37.29	49.97382727
6669	31/12/2020	5	5.3	5.3.5.2	2300054285	944	85	42	31	6.09	14.9	5.3	189	79.0	41.83	75.43	1	1	1	1	1	33.60	44.54344821
6670	31/12/2020	5	5.3	5.3.5.2	2300056267	936	67	42.4	28	5.1	15.1	4.5	143	68.0	47.58	75.38	1	1	1	1	1	27.79	36.87144303
6671	31/12/2020	5	5.3	5.3.5.2	2300054242	949	84	39.6	32	6.8	13.9	5.6	218	77.8	35.77	75.46	1	1	1	1	1	39.69	52.59442294
6672	31/12/2020	5	5.3	5.3.5.2	2300054181	797	77	35.9	30	6.5	13.8	5.3	195	73.1	37.51	74.49	1	1	1	1	1	36.98	49.64518236
6673	31/12/2020	5	5.3	5.3.5.2	2300056283	523	120	50.7	30	4.7	20.6	3.6	141	74.2	52.60	72.73	1	1	1	1	1	20.14	27.68674459
6674	31/12/2020	5	5.3	5.3.5.2	2300056286	614	92	41.7	31	6.4	15.1	5.7	198	86.1	43.38	73.32	1	1	1	1	1	29.93	40.82834151

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6675	31/12/2020	5	5.3	5.3.5.2	2300054712	620	20	20.8	30	7.9	10.2	2.4	237	24.5	10.33	73.35	1	1	1	1	1	63.02	85.91881298
6676	31/12/2020	5	5.3	5.3.5.2	2300056279	989	106	43.1	32	7.1	15.6	6.3	227	98.3	43.26	75.72	1	1	1	1	1	32.46	42.86904911
6677	31/12/2020	5	5.3	5.3.5.2	2300053838	988	104	46.5	31	6.5	19.5	5.02	202	97.9	48.58	75.71	1	1	1	1	1	27.13	35.83257364
6678	31/12/2020	5	5.3	5.3.5.2	2300054311	1023	74	30.3	31	3.4	12.2	5.2	105	63.4	60.19	75.93	1	1	1	1	0	15.74	20.73328489
6679	31/12/2020	5	5.3	5.3.5.2	2300054534	1009	89	45.4	31	6.3	19.2	4.7	195	90.2	46.21	75.84	1	1	1	1	1	29.64	39.07747368
6680	31/12/2020	5	5.3	5.3.5.2	2300053523	1021	122	50.8	30	7.1	19.8	5.7	213	112.9	52.99	75.92	1	1	1	1	1	22.93	30.20859282
6681	31/12/2020	5	5.3	5.3.5.2	2300054290	1035	110	41.9	30	7.6	14.7	6.8	228	100.0	43.84	76.01	1	1	1	1	1	32.17	42.32060878
6682	31/12/2020	5	5.3	5.3.5.2	2300054182	1050	106	47	30	7.03	19.2	5.3	211	101.8	48.25	76.11	1	1	1	1	1	27.86	36.60111474
6683	31/12/2020	5	5.3	5.3.5.2	2300053862	1034	43	39.2	28	3.4	16.4	2.4	95	39.4	41.34	76.00	1	1	1	1	1	34.66	45.6018691
6684	31/12/2020	5	5.3	5.3.5.2	2300056289	1064	109	45.6	29	7.2	19.5	5.2	209	101.4	48.56	76.20	1	1	1	1	1	27.63	36.26506204
6685	31/12/2020	5	5.3	5.3.5.2	2300054545	871	42	31.8	20	6.4	6.3	6.9	128	43.5	33.96	74.96	1	1	1	1	1	41.00	54.69482887
6686	31/12/2020	5	5.3	5.3.5.2	2300055968	1060	120	49.6	30	7.5	20.3	5.6	225	113.7	50.52	76.17	1	1	1	1	1	25.65	33.66884017
6687	31/12/2020	5	5.3	5.3.5.2	2300055928	1056	67	27.6	30	6.6	10.9	5.1	198	55.6	28.08	76.14	1	1	1	1	1	48.07	63.12827
6688	31/12/2020	5	5.3	5.3.5.2	2300056285	1070	108	47.7	28	7.5	18.9	5.6	210	105.8	50.40	76.23	1	1	1	1	1	25.83	33.88776661
6689	31/12/2020	3	3.5	3.5.1.4	2300050933	591	104	45.3	29	7.1	15.3	6.3	206	96.4	46.81	73.17	1	1	1	1	1	26.35	36.01884506
6690	31/12/2020	3	3.5	3.5.1.4	2300050263	1088	105	42.8	30	7.1	15.1	6.4	213	96.6	45.37	76.35	1	1	1	1	1	30.98	40.57450239
6691	31/12/2020	3	3.5	3.5.1.4	2300050464	606	26	69.7	30	2.9	24.4	2.6	87	63.4	72.92	73.26	0	0	0	0	0	0.34	0.470705786
6692	31/12/2020	3	3.5	3.5.1.4	2300050260	1085	103	42.1	31	7.1	15.4	6.2	220	95.5	43.38	76.33	1	1	1	1	1	32.95	43.16745488
6693	31/12/2020	3	3.5	3.5.1.4	2300050267	1102	101	42.3	31	7.8	14.9	7.05	242	105.0	43.44	76.44	1	1	1	1	1	33.00	43.16639189
6694	31/12/2020	3	3.5	3.5.1.4	2300050262	1113	20	20.4	30	2.4	10.4	1.4	72	14.6	20.22	76.51	1	1	1	1	1	56.29	73.56890123
6695	31/12/2020	3	3.5	3.5.1.4	2300050041	1089	137	62.8	30	7.02	23.7	5.8	211	137.5	65.27	76.36	1	1	0	0	0	11.08	14.51752685
6696	31/12/2020	3	3.5	3.5.1.4	2300050061	1064	99	58.8	20	7.7	14.3	6.6	154	94.4	61.29	76.20	1	1	1	0	0	14.91	19.56790906
6697	31/12/2020	3	3.5	3.5.1.4	2300050035	1056	42	18.7	30	5.7	5.9	5.6	171	33.0	19.32	76.14	1	1	1	1	1	56.82	74.62500535
6698	31/12/2020	3	3.5	3.5.1.4	2300050642	1056	126	53.7	30	7.6	22.8	5.6	228	127.7	56.00	76.14	1	1	1	1	1	20.14	26.45552398
6699	01/01/2021	3	3.5	3.5.1.4	2300049867	704	104	45.6	31	4.6	19.7	3.4	143	67.0	46.97	73.89	1	1	1	1	1	26.92	36.43317104
6700	01/01/2021	3	3.5	3.5.1.4	2300050536	699	109	68.5	21	4.9	16	4.5	103	72.0	69.97	73.86	1	0	0	0	0	3.89	5.265063064
6701	01/01/2021	3	3.5	3.5.1.4	2300050836	660	20	30.4	30	2.4	20.4	2.1	72	42.8	59.50	73.61	1	1	1	0	0	14.11	19.16859122
6702	01/01/2021	3	3.5	3.5.1.4	2300049512	656	49	44.3	30	4.3	15.5	3.8	129	58.9	45.66	73.58	1	1	1	1	1	27.93	37.95027923
6703	01/01/2021	3	3.5	3.5.1.4	2300050524	652	116	49.4	30	4.2	20.5	3.1	126	63.6	50.44	73.56	1	1	1	1	1	23.12	31.43375376
6704	01/01/2021	3	3.5	3.5.1.4	2300050618	653	18	34.9	30	4.1	13.6	3.3	123	44.9	36.49	73.57	1	1	1	1	1	37.08	50.40072632

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6705	01/01/2021	3	3.5	3.5.1.4	2300050082	616	17	37.1	30	4.03	14.01	3.2	121	44.8	37.08	73.33	1	1	1	1	1	36.25	49.43039006
6706	01/01/2021	3	3.5	3.5.1.4	2300050034	614	95	47	30	4.2	19	3.2	126	60.8	48.25	73.32	1	1	1	1	1	25.06	34.1832185
6707	01/01/2021	3	3.5	3.5.1.4	2300050640	607	20	20	30	1.4	20	1.4	42	28.0	66.67	73.27	1	0	0	0	0	6.60	9.013322269
6708	01/01/2021	3	3.5	3.5.1.4	2300049439	609	46	22.3	27	4	7.1	3.6	108	25.6	23.67	73.28	1	1	1	1	1	49.62	67.7053711
6709	01/01/2021	3	3.5	3.5.1.4	2300050648	728	57	42.1	31	4.5	15.5	3.7	140	57.4	41.11	74.05	1	1	1	1	1	32.93	44.47835766
6710	01/01/2021	3	3.5	3.5.1.4	2300049018	708	30.6	35.3	30	4.8	13.3	4.05	144	53.9	37.41	73.92	1	1	1	1	1	36.51	49.39438994
6711	01/01/2021	3	3.5	3.5.1.4	2300049716	703	47	43.3	31	4.8	15.1	4.3	149	64.9	43.64	73.89	1	1	1	1	1	30.25	40.9411456
6712	01/01/2021	3	3.5	3.5.1.3	2300057541	703	26	20.6	21	3.6	7.1	3.02	76	21.4	28.36	73.89	1	1	1	1	1	45.52	61.61283469
6713	01/01/2021	3	3.5	3.5.1.3	2300057537	704	136	56.4	30	4.7	22	3.8	141	83.6	59.29	73.89	1	1	1	0	0	14.60	19.75978306
6714	01/01/2021	3	3.5	3.5.1.3	2300057534	700	14	31.7	30	4.4	12.6	3.4	132	42.8	32.45	73.87	1	1	1	1	1	41.41	56.06294445
6715	01/01/2021	3	3.5	3.5.1.3	2300057466	1071	102	59	21	7.6	14.3	6.7	160	95.8	60.03	76.24	1	1	1	1	0	16.21	21.26047565
6716	01/01/2021	3	3.5	3.5.1.3	2300057568	790	81	35.3	32	6.9	14.6	5.3	221	77.4	35.05	74.44	1	1	1	1	1	39.40	52.92269169
6717	01/01/2021	3	3.5	3.5.1.3	2300050929	1051	113	46.3	31	7.4	19.5	5.5	229	107.3	46.75	76.11	1	1	1	1	1	29.36	38.57453246
6718	01/01/2021	3	3.5	3.5.1.3	2300050922	817	21	28.3	20	4.6	6.4	4.2	92	26.9	29.22	74.61	1	1	1	1	1	45.40	60.84236465
6719	01/01/2021	3	3.5	3.5.1.3	2300057569	509	46	67.6	30	3.4	22.8	3.07	102	70.0	68.62	72.64	1	0	0	0	0	4.02	5.533963884
6720	01/01/2021	3	3.5	3.5.1.3	2300057533	1054	104	39.9	31	7.4	14.4	6.5	229	93.6	40.80	76.13	1	1	1	1	1	35.33	46.40583882
6721	01/01/2021	3	3.5	3.5.1.3	2300057575	989	81	34.5	31	6.8	13.4	5.5	211	73.7	34.96	75.72	1	1	1	1	1	40.75	53.82450996
6722	01/01/2021	3	3.5	3.5.1.3	2300056930	1008	124	48.9	32	7.3	21.5	5.3	234	114.0	48.78	75.84	1	1	1	1	1	27.06	35.67805015
6723	01/01/2021	3	3.5	3.5.1.3	2300057586	1022	45	44.9	30	6.01	11.9	4.3	180	51.2	28.38	75.93	1	1	1	1	1	47.55	62.6212655
6724	01/01/2021	3	3.5	3.5.1.3	2300058175	854	134	54.8	33	6.3	21	5.5	208	115.5	55.56	74.85	1	1	1	1	1	19.30	25.77906744
6725	01/01/2021	3	3.5	3.5.1.3	2300057587	914	47	49.8	29	3.04	20.7	2.1	88	43.5	49.31	75.24	1	1	1	1	1	25.93	34.46177577
6726	01/01/2021	3	3.5	3.5.1.3	2300057063	692	102	61.4	32	5.2	16.3	4.8	166	78.2	47.02	73.81	1	1	1	1	1	26.80	36.3010795
6727	01/01/2021	3	3.5	3.5.1.3	2300050466	688	105	62.3	32	6.6	15.5	5.9	211	91.5	43.30	73.79	1	1	1	1	1	30.49	41.31906919
6728	01/01/2021	3	3.5	3.5.1.3	2300051076	893	83	40.4	31	6.4	14.5	5.6	198	81.2	40.93	75.10	1	1	1	1	1	34.17	45.50364128
6729	01/01/2021	3	3.5	3.5.1.3	2300050930	904	81	42.1	32	5.8	15.4	5.8	186	89.3	48.13	75.17	1	1	1	1	1	27.05	35.97981152
6730	01/01/2021	3	3.5	3.5.1.3	2300050770	916	96	66.6	21	5.9	15.7	5.3	124	83.2	67.16	75.25	1	1	0	0	0	8.09	10.75026287
6731	01/01/2021	3	3.5	3.5.1.3	2300050926	946	105	51.2	29	6.9	15.8	6.1	200	96.4	48.17	75.44	1	1	1	1	1	27.27	36.15368285
6732	01/01/2021	3	3.5	3.5.1.3	2300050932	758	20	20.4	20	2.6	10.2	1.4	52	14.3	27.46	74.24	1	1	1	1	1	46.78	63.00838601
6733	01/01/2021	3	3.5	3.5.1.3	2300050264	726	85	41.5	32	6.4	15.3	5.6	205	85.7	41.84	74.03	1	1	1	1	1	32.20	43.48969168
6734	01/01/2021	3	3.5	3.5.1.3	2300050254	728	125	57	30	5.9	23.1	4.6	177	106.3	60.03	74.05	1	1	1	0	0	14.01	18.92263333

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6735	01/01/2021	3	3.5	3.5.1.3	2300050268	919	124	57	30	6.03	22.2	4.7	181	104.3	57.68	75.27	1	1	1	1	0	17.59	23.36905217
6736	01/01/2021	3	3.5	3.5.1.1	2300058176	962	18	20	16	1.6	18.4	2.4	26	44.2	172.50	75.54	1	1	1	1	1	-96.96	-128.3473739
6737	01/01/2021	3	3.5	3.5.1.1	2300057488	977	24	46.1	25	1.9	13.6	1.6	48	21.8	45.81	75.64	1	1	1	1	1	29.83	39.43514927
6738	01/01/2021	3	3.5	3.5.1.1	2300057573	952	119	59.8	30	5.8	21.1	5.06	174	106.8	61.36	75.48	1	1	1	0	0	14.12	18.70595437
6739	01/01/2021	3	3.5	3.5.1.1	2300057570	975	125	53.8	29	7.1	19.6	5.8	206	113.7	55.21	75.63	1	1	1	1	1	20.41	26.99433051
6740	01/01/2021	3	3.5	3.5.1.1	2300057542	980	91	64.5	31	6.2	14.8	5.6	192	82.9	43.12	75.66	1	1	1	1	1	32.54	43.00437736
6741	01/01/2021	3	3.5	3.5.1.1	2300056932	968	107	64.2	21	7.09	15.3	6.3	149	96.4	64.74	75.58	1	1	0	0	0	10.84	14.34501025
6742	01/01/2021	3	3.5	3.5.1.1	2300049792	969	135	56.4	32	6.8	20.5	6.05	218	124.0	57.00	75.59	1	1	1	1	0	18.59	24.59506177
6743	01/01/2021	3	3.5	3.5.1.1	2300057444	539	42	41.7	30	3.5	14.4	3.08	105	44.4	42.24	72.84	1	1	1	1	1	30.60	42.00638149
6744	01/01/2021	3	3.5	3.5.1.1	2300057073	991	108	63.2	28	7.2	15.3	6.4	202	97.9	48.57	75.73	1	1	1	1	1	27.16	35.86101308
6745	01/01/2021	3	3.5	3.5.1.1	2300057481	978	25	46.3	17	4.3	14.7	2.4	73	35.3	48.26	75.65	1	1	1	1	1	27.38	36.19865649
6746	01/01/2021	3	3.5	3.5.1.1	23000	974	102	64.3	21	6.8	15.3	6.1	143	93.3	65.36	75.62	1	1	0	0	0	10.26	13.57116031
6747	01/01/2021	3	3.5	3.5.1.1	2300057081	964	89	43.6	29	7.1	15.5	6.3	206	97.7	47.43	75.56	1	1	1	1	1	28.13	37.23041718
6748	01/01/2021	3	3.5	3.5.1.1	23000	963	107	64.2	20	7.1	15.2	6.3	142	95.8	67.44	75.55	1	1	0	0	0	8.11	10.73814188
6749	01/01/2021	3	3.5	3.5.1.1	2300054750	1038	37	35.8	17	5.6	9	3.9	95	35.1	36.87	76.03	1	1	1	1	1	39.16	51.5058058
6750	01/01/2021	3	3.5	3.5.1.1	2300056948	1032	98.2	20.4	14	2.4	18.1	1.4	34	25.3	75.42	75.99	0	0	0	0	0	0.57	0.755530055
6751	01/01/2021	3	3.5	3.5.1.1	23000	1040	103	56.4	31	7.4	15.7	6.3	229	98.9	43.12	76.04	1	1	1	1	1	32.93	43.29866849
6752	01/01/2021	3	3.5	3.5.1.1	23000	514	46	48.9	29	3.4	15.3	3.06	99	46.8	47.48	72.68	1	1	1	1	1	25.19	34.66478623
6753	01/01/2021	3	3.5	3.5.1.1	2300054223	1001	30	20.9	13	1.4	20.4	1	18	20.4	112.09	75.79	1	1	1	1	1	-36.30	-47.88806277
6754	01/01/2021	3	3.5	3.5.1.1	23000	1029	101	54.9	31	7.9	15.2	6.9	245	104.9	42.83	75.97	1	1	1	1	1	33.15	43.62940478
6755	01/01/2021	3	3.5	3.5.1.1	2300054240	978	134	61	31	6.5	24.9	5.1	202	127.0	63.02	75.65	1	1	1	0	0	12.62	16.68693783
6756	01/01/2021	3	3.5	3.5.1.1	23000	597	107	64.6	20	6.9	15.4	6.2	138	95.5	69.19	73.21	1	0	0	0	0	4.02	5.48909965
6757	01/01/2021	3	3.5	3.5.1.1	2300054938	1023	9	61.7	20	6.8	10.4	6.07	136	63.1	46.42	75.93	1	1	1	1	1	29.52	38.87041892
6758	01/01/2021	3	3.5	3.5.1.1	23000	1048	136	56.6	30	7.5	22	6	225	132.0	58.67	76.09	1	1	1	1	0	17.43	22.90156457
6759	01/01/2021	3	3.5	3.5.1.1	2300054155	1025	105	49.5	27	7.4	15.3	6.4	200	97.9	49.01	75.95	1	1	1	1	1	26.94	35.46861058
6760	01/01/2021	3	3.5	3.5.1.2	2300049790	1164	16	53	17	1.8	13.6	1.2	31	16.3	53.33	76.84	1	1	1	1	1	23.50	30.58773103
6761	01/01/2021	3	3.5	3.5.1.2	2300050847	790	22	40	20	5.3	25.4	2.4	106	61.0	57.51	74.44	1	1	1	1	0	16.93	22.74598484
6762	01/01/2021	3	3.5	3.5.1.2	2300054185	796	20	24	20	4.3	20.1	1	86	20.1	23.37	74.48	1	1	1	1	1	51.11	68.61980733
6763	01/01/2021	3	3.5	3.5.1.2	23000	699	30	30	30	4.4	18.2	2.4	132	43.7	33.09	73.86	1	1	1	1	1	40.77	55.19755172
6764	01/01/2021	3	3.5	3.5.1.2	23000	1024	108	63.4	21	7.8	15	7.1	164	106.5	65.02	75.94	1	1	0	0	0	10.92	14.38154136

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6765	01/01/2021	3	3.5	3.5.1.2	23000	686	129	62.9	30	4.3	22.1	3.8	129	84.0	65.10	73.78	1	1	0	0	0	8.68	11.75934961
6766	01/01/2021	3	3.5	3.5.1.2	23000	676	69	46	29	4.8	15.3	4.07	139	62.3	44.73	73.71	1	1	1	1	1	28.98	39.31154895
6767	01/01/2021	3	3.5	3.5.1.2	23000	671	58	4.4	29	4.8	15	4.3	139	64.5	46.34	73.68	1	1	1	1	1	27.34	37.11189557
6768	01/01/2021	3	3.5	3.5.1.2	23000	665	20	15.4	20	2.4	10.2	1.4	48	14.3	29.75	73.64	1	1	1	1	1	43.89	59.60185764
6769	01/01/2021	3	3.5	3.5.1.2	23000	671	46	26.8	31	4.8	22.5	2.5	149	56.3	37.80	73.68	1	1	1	1	1	35.88	48.69406334
6770	01/01/2021	3	3.5	3.5.1.2	23000	657	83	5.1	31	6.8	15.3	3.9	211	59.7	28.31	73.59	1	1	1	1	1	45.28	61.53533918
6771	01/01/2021	3	3.5	3.5.1.2	23000	653	26	40.7	19	1.7	13.6	0.6	32	8.2	25.26	73.57	1	1	1	1	1	48.30	65.6588198
6772	01/01/2021	3	3.5	3.5.1.2	2300049442	625	90	60.4	24	4.2	15.6	3.8	101	59.3	58.81	73.39	1	1	1	0	0	14.58	19.86274792
6773	01/01/2021	3	3.5	3.5.1.2	23000	608	45	20.5	30	4.2	7.1	4.1	126	29.1	23.10	73.28	1	1	1	1	1	50.17	68.47153739
6774	01/01/2021	3	3.5	3.5.1.2	2300054935	627	46	20.8	31	4.5	7.1	4.1	140	29.1	20.87	73.40	1	1	1	1	1	52.53	71.56985739
6775	01/01/2021	3	3.5	3.5.1.2	23000	628	49	41.6	21	4.2	12.3	3.1	88	38.1	43.23	73.41	1	1	1	1	1	30.17	41.10595364
6776	01/01/2021	3	3.5	3.5.1.2	23000	624	123	61.9	21	4.6	16.1	3.8	97	61.2	63.33	73.38	1	1	0	0	0	10.05	13.69081688
6777	01/01/2021	3	3.5	3.5.1.2	23000	618	20	18.2	31	2.4	10.2	2	74	20.4	27.42	73.34	1	1	1	1	1	45.92	62.61398117
6778	01/01/2021	3	3.5	3.5.1.2	23000	612	42	33.1	31	4.2	25.2	3.3	130	83.2	63.87	73.30	1	1	0	0	0	9.43	12.86694677
6779	01/01/2021	3	3.5	3.5.1.2	23000	602	112	60.6	29	4.4	15.1	3.7	128	55.9	43.79	73.24	1	1	1	1	1	29.45	40.21575114
6780	01/01/2021	3	3.5	3.5.1.2	2300050646	592	129	60.5	20	4.2	16.4	3.3	84	54.1	64.43	73.17	1	1	0	0	0	8.75	11.95251449
6781	01/01/2021	3	3.5	3.5.1.2	23000	589	26	27	31	3.1	25.2	2.2	96	55.4	57.69	73.16	1	1	1	1	0	15.47	21.14081991
6782	01/01/2021	3	3.5	3.5.1.2	2300049791	995	131	62	29	4.06	21.4	3.5	118	74.9	63.61	75.75	1	1	1	0	0	12.14	16.02457382
6783	01/01/2021	3	3.5	3.5.1.2	2300054153	580	24	43.5	24	3.9	13.5	3.3	94	44.6	47.60	73.10	1	1	1	1	1	25.50	34.88720095
6784	01/01/2021	3	3.3	3.3.4.3	2300043337	860	79	48.8	21	4.8	15.9	3.8	101	60.4	59.94	74.89	1	1	1	0	0	14.95	19.96197598
6785	01/01/2021	3	3.3	3.3.4.3	2300043273	853	23	26.3	32	4.3	11.5	3.1	138	35.7	25.91	74.85	1	1	1	1	1	48.94	65.38397889
6786	01/01/2021	3	3.3	3.3.4.3	2300045486	882	49	32.3	31	5.4	12.8	4.2	167	53.8	32.11	75.03	1	1	1	1	1	42.92	57.19798357
6787	01/01/2021	3	3.3	3.3.4.3	2300043253	918	35	26.4	31	4.8	12.3	3.5	149	43.1	28.93	75.26	1	1	1	1	1	46.33	61.55860973
6788	01/01/2021	3	3.3	3.3.4.3	2300043791	852	49	5.59	30	3.9	15.2	3.6	117	54.7	46.77	74.84	1	1	1	1	1	28.07	37.50670672
6789	01/01/2021	3	3.3	3.3.4.3	2300056315	877	70	38.7	31	5.6	14.9	4.6	174	68.5	39.48	75.00	1	1	1	1	1	35.52	47.35706862
6790	01/01/2021	3	3.3	3.3.4.3	2300049879	900	33	26.1	33	5.1	11.3	3.6	168	40.7	24.17	75.15	1	1	1	1	1	50.97	67.83445161
6791	01/01/2021	3	3.3	3.3.4.3	2300043232	901	66	37.3	31	5.5	14.43	4.5	171	64.9	38.09	75.15	1	1	1	1	1	37.07	49.32291718
6792	01/01/2021	3	3.3	3.3.4.3	2300043340	901	70	36.3	31	6.1	14	5.5	189	77.0	40.72	75.15	1	1	1	1	1	34.43	45.81783657
6793	01/01/2021	3	3.3	3.3.4.3	2300044710	889	135	56.3	31	5.9	23	4.8	183	110.4	60.36	75.08	1	1	1	0	0	14.71	19.59990606
6794	01/01/2021	3	3.3	3.3.4.3	2300045391	813	74	13.3	31	5.8	13.3	4.7	180	62.5	34.77	74.59	1	1	1	1	1	39.82	53.3894892

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6795	01/01/2021	3	3.3	3.3.4.3	2300043804	893	124	52.2	32	5.8	21.9	4.4	186	96.4	51.92	75.10	1	1	1	1	1	23.18	30.86914264
6796	01/01/2021	3	3.3	3.3.4.3	2300044631	901	70	40.2	32	5.3	15.3	4.8	170	73.4	43.30	75.15	1	1	1	1	1	31.85	42.38123228
6797	01/01/2021	3	3.3	3.3.4.3	2300045488	889	92	44.6	32	5.9	16.2	5.3	189	85.9	45.48	75.08	1	1	1	1	1	29.60	39.42546591
6798	01/01/2021	3	3.3	3.3.4.3	2300043533	901	133	42.8	31	6.8	22.1	4.6	211	101.7	48.23	75.15	1	1	1	1	1	26.93	35.82931955
6799	01/01/2021	3	3.3	3.3.4.3	2300045487	992	104	47	30	6.6	20.6	3	198	61.8	31.21	75.73	1	1	1	1	1	44.52	58.78760991
6800	01/01/2021	3	3.3	3.3.4.3	2300056054	1019	103	53.6	28	7.2	14.7	6.02	202	88.5	43.90	75.91	1	1	1	1	1	32.01	42.17201791
6801	01/01/2021	3	3.3	3.3.4.3	2300043229	1031	94	42.4	31	6.5	15.3	5.7	202	87.2	43.28	75.98	1	1	1	1	1	32.70	43.04041748
6802	01/01/2021	3	3.3	3.3.4.3	2300043433	871	58	37.8	30	5.1	13.8	4.4	153	60.7	39.69	74.96	1	1	1	1	1	35.27	47.05701342
6803	01/01/2021	3	3.3	3.3.4.3	2300045386	560	40	40.7	30	4.3	15.1	3.7	129	55.9	43.31	72.97	1	1	1	1	1	29.66	40.64673493
6804	01/01/2021	3	3.3	3.3.4.3	2300044232	933	72	38.4	26	6.1	13.6	5.03	159	68.4	43.13	75.36	1	1	1	1	1	32.22	42.76272397
6805	01/01/2021	3	3.3	3.3.4.3	2300044632	945	79	38.9	30	6.2	14.3	5.2	186	74.4	39.98	75.43	1	1	1	1	1	35.46	47.00202213
6806	01/01/2021	3	3.3	3.3.4.3	2300045382	938	134	58.9	31	6.1	23.8	4.8	189	114.2	60.41	75.39	1	1	1	0	0	14.98	19.86586916
6807	01/01/2021	3	3.3	3.3.4.3	2300056298	600	77	39	30	5.4	16.4	4.4	162	72.2	44.54	73.23	1	1	1	1	1	28.68	39.17022659
6808	01/01/2021	3	3.3	3.3.4.1	2300043405	1011	86	38.1	31	6.6	14.1	5.7	205	80.4	39.28	75.86	1	1	1	1	1	36.57	48.21593837
6809	01/01/2021	3	3.3	3.3.4.1	2300043387	957	106	40.1	30	6.9	18.9	5.1	207	96.4	46.57	75.51	1	1	1	1	1	28.95	38.33303661
6810	01/01/2021	3	3.3	3.3.4.1	2300056309	1013	84	38.9	31	6.4	14.2	5.5	198	78.1	39.36	75.87	1	1	1	1	1	36.50	48.11475625
6811	01/01/2021	3	3.3	3.3.4.1	2300056296	970	44	33.4	29	6.04	12.8	4.7	175	60.2	34.35	75.59	1	1	1	1	1	41.25	54.5655197
6812	01/01/2021	3	3.3	3.3.4.1	2300056294	993	97	42.9	31	6.6	15	5.9	205	88.5	43.26	75.74	1	1	1	1	1	32.49	42.8908811
6813	01/01/2021	3	3.3	3.3.4.1	2300055739	943	15	28.5	21	2.9	9.5	1.9	61	18.1	29.64	75.42	1	1	1	1	1	45.78	60.70235948
6814	01/01/2021	3	3.3	3.3.4.1	2300056174	906	100	44.4	32	6.5	16.1	5.9	208	95.0	45.67	75.18	1	1	1	1	1	29.52	39.25831791
6815	01/01/2021	3	3.3	3.3.4.1	2300056178	964	83	39.8	32	6.2	15	5.2	198	78.0	39.31	75.56	1	1	1	1	1	36.24	47.9661122
6816	01/01/2021	3	3.3	3.3.4.1	2300056302	908	112	39.7	32	5.2	20.4	2.4	166	49.0	29.42	75.20	1	1	1	1	1	45.77	60.87211103
6817	01/01/2021	3	3.3	3.3.4.1	2300045204	960	77	35.7	32	6.4	13.9	5.3	205	73.7	35.97	75.53	1	1	1	1	1	39.56	52.37431526
6818	01/01/2021	3	3.3	3.3.4.1	2300044725	999	101	45.5	31	6.3	19.3	4.8	195	92.6	47.43	75.78	1	1	1	1	1	28.34	37.40437292
6819	01/01/2021	3	3.3	3.3.4.1	2300056308	985	86.9	37.3	31	6.8	14.2	5.7	211	80.9	38.40	75.69	1	1	1	1	1	37.29	49.2712585
6820	01/01/2021	3	3.3	3.3.4.1	2300056198	954	66	30.9	31	6.3	12.3	4.7	195	57.8	29.60	75.49	1	1	1	1	1	45.89	60.78952567
6821	01/01/2021	3	3.3	3.3.4.1	2300045377	968	80	35.5	30	6.7	13.6	5.5	201	74.8	37.21	75.58	1	1	1	1	1	38.37	50.76298028
6822	01/01/2021	3	3.3	3.3.4.1	2300056300	975	69	33.2	31	6.2	12.9	5.1	192	65.8	34.23	75.63	1	1	1	1	1	41.40	54.73782987
6823	01/01/2021	3	3.3	3.3.4.1	2300056303	964	16	63	30	3.4	22.9	2.9	102	66.4	65.11	75.56	1	1	0	0	0	10.45	13.82790536
6824	01/01/2021	3	3.3	3.3.4.1	2300056306	985	134	53.2	32	6.9	24.7	4.9	221	121.0	54.81	75.69	1	1	1	1	1	20.88	27.58051051

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6825	01/01/2021	3	3.3	3.3.4.1	2300056305	758	68	40.5	30	5.6	15.6	4.8	168	74.9	44.57	74.24	1	1	1	1	1	29.67	39.96078978
6826	01/01/2021	3	3.3	3.3.4.1	23000	685	122	52.5	32	4.6	21.8	3.5	147	76.3	51.83	73.77	1	1	1	1	1	21.94	29.73534075
6827	01/01/2021	3	3.3	3.3.4.1	2300044736	625	89	54.7	20	3.6	14	3	72	42.0	58.33	73.39	1	1	1	1	0	15.05	20.51163255
6828	01/01/2021	3	3.3	3.3.4.1	2300044680	589	86	38.7	31	6.6	14.9	5.6	205	83.4	40.78	73.16	1	1	1	1	1	32.37	44.25305283
6829	01/01/2021	3	3.3	3.3.4.1	2300044253	614	74	33.2	32	6.3	13.7	5	202	68.5	33.98	73.32	1	1	1	1	1	39.34	53.65491846
6830	01/01/2021	3	3.3	3.3.4.1	2300043794	768	46	23.6	31	4.3	11.8	2.7	133	31.9	23.90	74.30	1	1	1	1	1	50.40	67.83231597
6831	01/01/2021	3	3.3	3.3.4.2	2300044244	745	48	55.1	32	7.3	25.2	5.1	234	128.5	55.02	74.15	1	1	1	1	1	19.14	25.80693788
6832	01/01/2021	3	3.3	3.3.4.2	2300044252	915	83	35.1	24	6.7	14	5.4	161	75.6	47.01	75.24	1	1	1	1	1	28.23	37.51505094
6833	01/01/2021	3	3.3	3.3.4.2	23000	909	8	44	30	3.5	15.2	3.1	105	47.1	44.88	75.20	1	1	1	1	1	30.33	40.32707148
6834	01/01/2021	3	3.3	3.3.4.2	2300043300	946	125	54.7	31	6.6	22.3	5.2	205	116.0	56.68	75.44	1	1	1	1	0	18.76	24.87255922
6835	01/01/2021	3	3.3	3.3.4.2	23000	976	85	38.8	32	6.5	14.7	5.6	208	82.3	39.58	75.63	1	1	1	1	1	36.06	47.67199894
6836	01/01/2021	3	3.3	3.3.4.2	2300034824	1015	21	60.6	31	7.7	15	6.7	239	100.5	42.10	75.88	1	1	1	1	1	33.78	44.51509155
6837	01/01/2021	3	3.3	3.3.4.2	2300055734	1020	12	58.6	30	6.9	22.9	4.8	207	109.9	53.10	75.91	1	1	1	1	1	22.81	30.05051865
6838	01/01/2021	3	3.3	3.3.4.2	23000	945	124	53.4	30	6.6	20.4	5.3	198	108.1	54.61	75.43	1	1	1	1	1	20.83	27.6108113
6839	01/01/2021	3	3.3	3.3.4.2	23000	945	43	28.5	30	6	11.5	3.8	180	43.7	24.28	75.43	1	1	1	1	1	51.16	67.81586847
6840	01/01/2021	3	3.3	3.3.4.2	23000	948	83	39.2	29	6.8	14.1	5.4	197	76.1	38.61	75.45	1	1	1	1	1	36.84	48.8284822
6841	01/01/2021	3	3.3	3.3.4.2	23000	957	134	53.6	30	6.5	23.1	4.9	195	113.2	58.05	75.51	1	1	1	1	0	17.46	23.12867319
6842	01/01/2021	3	3.3	3.3.4.2	23000	942	77	35.9	30	5.8	13.7	5.3	174	72.6	41.73	75.41	1	1	1	1	1	33.68	44.66618614
6843	01/01/2021	3	3.3	3.3.4.2	2300043256	937	46	21.3	31	6.2	6.7	6.3	192	42.2	21.96	75.38	1	1	1	1	1	53.42	70.86669845
6844	01/01/2021	3	3.3	3.3.4.2	2300043343	966	69	34	29	6.3	12.7	5.1	183	64.8	35.45	75.57	1	1	1	1	1	40.12	53.08679298
6845	01/01/2021	3	3.3	3.3.4.2	2300043347	974	91	38.4	30	6.9	14.7	5.8	207	85.3	41.19	75.62	1	1	1	1	1	34.43	45.53210306
6846	01/01/2021	3	3.3	3.3.4.2	2300050856	970	102	48	30	6	19.7	4.5	180	88.7	49.25	75.59	1	1	1	1	1	26.34	34.84932667
6847	01/01/2021	3	3.3	3.3.4.2	2300050859	950	44	33.6	30	4.8	13.3	3.6	144	47.9	33.25	75.47	1	1	1	1	1	42.22	55.9404235
6848	01/01/2021	3	3.3	3.3.4.2	2300043797	950	91	36.6	30	6.9	18.3	4.3	207	78.7	38.01	75.47	1	1	1	1	1	37.45	49.62699394
6849	01/01/2021	3	3.3	3.3.4.2	2300045287	970	67	32.6	31	6.1	12.6	5.1	189	64.3	33.98	75.59	1	1	1	1	1	41.61	55.04667024
6850	01/01/2021	3	3.3	3.3.4.2	2300050857	965	78	50.6	21	7.1	14.7	4.7	149	69.1	46.34	75.56	1	1	1	1	1	29.22	38.67548746
6851	01/01/2021	3	3.3	3.3.4.2	23000	942	29	24	30	7	10.6	3.09	210	32.8	15.60	75.41	1	1	1	1	1	59.82	79.3181937
6852	01/01/2021	3	3.3	3.3.4.2	2300050499	951	106	47.7	30	6.1	20.9	4.3	183	89.9	49.11	75.47	1	1	1	1	1	26.36	34.9307964
6853	01/01/2021	3	3.3	3.3.4.2	2300050855	974	72	34.7	29	6.4	12.8	5.2	186	66.6	35.86	75.62	1	1	1	1	1	39.76	52.57569603
6854	01/01/2021	3	3.3	3.3.4.4	2300056301	964	33	36.2	30	5.8	17.9	3.6	174	64.4	37.03	75.56	1	1	1	1	1	38.52	50.98380165

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6855	01/01/2021	3	3.3	3.3.4.4	2300056745	972	75	46.2	26	6.5	13.1	5.3	169	69.4	41.08	75.61	1	1	1	1	1	34.52	45.66250623
6856	01/01/2021	3	3.3	3.3.4.4	2300034679	969	111	45.1	30	6.09	20.4	4.7	183	95.9	52.48	75.59	1	1	1	1	1	23.11	30.57131785
6857	01/01/2021	3	3.3	3.3.4.4	2300044231	959	49	40.4	21	5.2	11.5	3.9	109	44.9	41.07	75.52	1	1	1	1	1	34.45	45.61775581
6858	01/01/2021	3	3.3	3.3.4.4	2300044198	952	105	43	31	6.7	19.8	4.6	208	91.1	43.85	75.48	1	1	1	1	1	31.63	41.90195234
6859	01/01/2021	3	3.3	3.3.4.4	2300044768	961	71	33.7	32	6.4	13.3	5.1	205	67.8	33.12	75.54	1	1	1	1	1	42.42	56.15343439
6860	01/01/2021	3	3.3	3.3.4.4	2300045368	951	138	61.8	31	6.2	22.8	5.3	192	120.8	62.87	75.47	1	1	1	0	0	12.60	16.6953637
6861	01/01/2021	3	3.3	3.3.4.4	23000	952	95	42.9	31	6.6	15.1	5.8	205	87.6	42.81	75.48	1	1	1	1	1	32.67	43.28808341
6862	01/01/2021	3	3.3	3.3.4.4	23000	929	49	27.6	32	4.8	17.1	2.9	154	49.6	32.29	75.33	1	1	1	1	1	43.05	57.1426118
6863	01/01/2021	3	3.3	3.3.4.4	23000	937	84	37.8	31	6.6	19.1	5.7	205	108.9	53.21	75.38	1	1	1	1	1	22.17	29.4120891
6864	01/01/2021	3	3.3	3.3.4.4	23000	952	72	35	32	6.41	13.2	5.2	205	68.6	33.46	75.48	1	1	1	1	1	42.02	55.66524834
6865	01/01/2021	3	3.3	3.3.4.4	2300050848	947	83	39.5	31	6.05	17.4	4.2	188	73.1	38.97	75.45	1	1	1	1	1	36.48	48.35352968
6866	01/01/2021	3	3.3	3.3.4.4	2300035859	958	58	30.3	31	6.09	12.1	4.7	189	56.9	30.12	75.52	1	1	1	1	1	45.39	60.11052111
6867	01/01/2021	3	3.3	3.3.4.4	2300047747	968	131	51.5	31	6.4	22.5	5.1	198	114.8	57.84	75.58	1	1	1	1	0	17.74	23.47607393
6868	01/01/2021	3	3.3	3.3.4.4	2300050493	956	120	50.7	30	6.6	20.73	5.1	198	105.7	53.40	75.50	1	1	1	1	1	22.11	29.28166498
6869	01/01/2021	3	3.3	3.3.4.4	2300034856	968	105	49.3	30	5.9	22.4	4.1	177	91.8	51.89	75.58	1	1	1	1	1	23.69	31.34932278
6870	01/01/2021	3	3.3	3.3.4.4	2300043259	978	78	38.3	22	6.3	13.6	5.2	139	70.7	51.02	75.65	1	1	1	1	1	24.62	32.5475628
6871	01/01/2021	3	3.3	3.3.4.4	23000	989	89	37.2	30	6.4	13.8	5.3	192	73.1	38.09	75.72	1	1	1	1	1	37.62	49.68837333
6872	01/01/2021	3	3.3	3.3.4.4	2300043415	956	80	37.4	30	6.5	13.9	5.5	195	76.5	39.21	75.50	1	1	1	1	1	36.30	48.07570393
6873	01/01/2021	3	3.3	3.3.4.4	2300050886	848	107	49.5	30	5.9	19.7	4.6	177	90.6	51.20	74.81	1	1	1	1	1	23.62	31.56589998
6874	01/01/2021	3	3.3	3.3.4.4	2300050842	874	69	50.9	20	5.8	12.8	4.7	116	60.2	51.86	74.98	1	1	1	1	1	23.12	30.83176095
6875	01/01/2021	3	3.3	3.3.4.4	23000	986	120	52.4	30	6.03	20	6.9	181	138.0	76.29	75.70	0	0	0	0	0	-0.59	-0.777897581
6876	01/01/2021	3	3.3	3.3.4.4	2300050845	875	82	59	20	6.4	13.6	5.3	128	72.1	56.31	74.99	1	1	1	1	0	18.67	24.90264849
6877	01/01/2021	3	3.4	3.4.3.2	2300034587	948	93	41	30	6.3	18.6	4.3	189	80.0	42.32	75.45	1	1	1	1	1	33.14	43.9156188
6878	01/01/2021	3	3.4	3.4.3.2	2300045371	708	45	39.6	30	4.6	14.5	3.9	138	56.6	40.98	73.92	1	1	1	1	1	32.94	44.5619411
6879	01/01/2021	3	3.4	3.4.3.2	2300045366	714	16.4	32.6	30	4.3	12.5	3.4	129	42.5	32.95	73.96	1	1	1	1	1	41.01	55.45200575
6880	01/01/2021	3	3.4	3.4.3.2	2300050496	768	20	34.7	31	4.3	13.5	3.4	133	45.9	34.43	74.30	1	1	1	1	1	39.87	53.6567264
6881	01/01/2021	3	3.4	3.4.3.2	2300050850	654	21	34.3	31	4.5	13.7	3.5	140	48.0	34.37	73.57	1	1	1	1	1	39.20	53.27985275
6882	01/01/2021	3	3.4	3.4.3.2	2300045429	694	46	36	30	3.3	13.9	2.6	99	36.1	36.51	73.83	1	1	1	1	1	37.32	50.55365405
6883	01/01/2021	3	3.4	3.4.3.2	2300045376	689	40.6	35.8	31	4.6	13.5	3.8	143	51.3	35.97	73.80	1	1	1	1	1	37.82	51.25081366
6884	01/01/2021	3	3.4	3.4.3.2	-	685	15	32.6	31	4.3	12.9	3.4	133	43.9	32.90	73.77	1	1	1	1	1	40.87	55.39755211

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6885	01/01/2021	3	3.4	3.4.3.2	-	672	81	52.1	21	4.4	14.2	3.54	92	50.3	54.40	73.69	1	1	1	1	1	19.28	26.1704981
6886	01/01/2021	3	3.4	3.4.3.2	2300034716	671	83	52.2	21	4.3	14.3	3.3	90	47.2	52.26	73.68	1	1	1	1	1	21.42	29.07321864
6887	01/01/2021	3	3.4	3.4.3.2	2300045499	668	12	28.5	11	1.8	4.9	0.7	20	3.4	17.32	73.66	1	1	1	1	1	56.34	76.48255483
6888	01/01/2021	3	3.4	3.4.3.2	2300043248	680	28	36.4	31	4.8	13.9	3.9	149	54.2	36.43	73.74	1	1	1	1	1	37.31	50.5933825
6889	01/01/2021	3	3.4	3.4.3.2	2300045286	654	53	44.2	31	4.6	15.3	4.2	143	64.3	45.06	73.57	1	1	1	1	1	28.51	38.74930869
6890	01/01/2021	3	3.4	3.4.3.2	2300045446	649	93	40.2	31	4.4	18.5	3.1	136	57.4	42.05	73.54	1	1	1	1	1	31.49	42.82610383
6891	01/01/2021	3	3.4	3.4.3.2	2300045434	648	20	38.4	30	4.5	20.2	2.4	135	48.5	35.91	73.53	1	1	1	1	1	37.62	51.16340495
6892	01/01/2021	3	3.4	3.4.3.2	2300043247	651	46	31.3	31	4.4	12.2	3.5	136	42.7	31.30	73.55	1	1	1	1	1	42.25	57.43852636
6893	01/01/2021	3	3.4	3.4.3.2	2300045362	655	124	49.5	31	4.5	20.6	3.4	140	70.0	50.21	73.58	1	1	1	1	1	23.37	31.76236741
6894	01/01/2021	3	3.4	3.4.3.2	2300045347	649	49	42.2	20	4.03	12	2.9	81	34.8	43.18	73.54	1	1	1	1	1	30.36	41.28853208
6895	01/01/2021	3	3.4	3.4.3.2	2300043251	641	10	34.2	30	4.2	13	3.4	126	44.2	35.08	73.49	1	1	1	1	1	38.41	52.26543906
6896	01/01/2021	3	3.4	3.4.3.2	2300034842	645	12	36.4	30	4.4	13.3	3.6	132	47.9	36.27	73.51	1	1	1	1	1	37.24	50.65874898
6897	01/01/2021	3	3.4	3.4.3.2	-	645	26	27	29	3.3	11.3	2.3	96	26.0	27.16	73.51	1	1	1	1	1	46.36	63.05766964
6898	01/01/2021	3	3.4	3.4.3.2	-	648	42	42.7	22	3.8	12.5	3.02	84	37.8	45.16	73.53	1	1	1	1	1	28.38	38.5916805
6899	01/01/2021	3	3.4	3.4.3.2	2300043246	650	29	25.7	26	2.8	9.4	2.1	73	19.7	27.12	73.55	1	1	1	1	1	46.43	63.13139448
6900	01/01/2021	3	3.4	3.4.3.2	-	644	41	30.1	30	4	12.3	3.1	120	38.1	31.78	73.51	1	1	1	1	1	41.73	56.7731772
6901	01/01/2021	3	3.4	3.4.3.1	2300050851	628	18	31.1	30	4.4	13.7	3.8	132	52.1	39.44	73.41	1	1	1	1	1	33.97	46.27166204
6902	01/01/2021	3	3.4	3.4.3.1	2300045274	624	23	37.7	31	4.4	14.5	3.6	136	52.2	38.27	73.38	1	1	1	1	1	35.11	47.8468202
6903	01/01/2021	3	3.4	3.4.3.1	2300045276	623	51	47.1	27	4.2	15.1	3.9	113	58.9	51.93	73.37	1	1	1	1	1	21.44	29.22318104
6904	01/01/2021	3	3.4	3.4.3.1	2300050593	596	32	68.7	30	3.2	24.9	2.8	96	69.7	72.63	73.20	0	0	0	0	0	0.58	0.786061278
6905	01/01/2021	3	3.4	3.4.3.1	2300044804	610	19	38.3	29	3.9	14.1	3.2	113	45.1	39.89	73.29	1	1	1	1	1	33.40	45.56706344
6906	01/01/2021	3	3.4	3.4.3.1	2300034688	548	36	44	31	4.1	16.3	3.4	127	55.4	43.60	72.89	1	1	1	1	1	29.29	40.18171538
6907	01/01/2021	3	3.4	3.4.3.1	2300044421	533	136	44.5	30	4.02	19.9	2.7	121	53.7	44.55	72.80	1	1	1	1	1	28.24	38.79951591
6908	01/01/2021	3	3.4	3.4.3.1	-	540	42	25.2	30	4.1	11.9	2.7	123	32.1	26.12	72.84	1	1	1	1	1	46.72	64.13888798
6909	01/01/2021	3	3.4	3.4.3.1	-	550	17	42.7	30	4.2	15.3	3.7	126	56.6	44.93	72.91	1	1	1	1	1	27.98	38.37465856
6910	01/01/2021	3	3.4	3.4.3.1	-	532	107	42.6	31	4.01	15.4	3.5	124	53.9	43.36	72.79	1	1	1	1	1	29.43	40.43293441
6911	01/01/2021	3	3.4	3.4.3.1	2300047900	517	38	30.4	31	3.5	15	2.3	109	34.5	31.80	72.69	1	1	1	1	1	40.90	56.25927161
6912	01/01/2021	3	3.4	3.4.3.1	-	507	132	46.5	30	3.5	12.6	3.4	105	42.8	40.80	72.63	1	1	1	1	1	31.83	43.82548451
6913	01/01/2021	3	3.4	3.4.3.1	2300050494	553	6	40.1	32	3.6	14.5	3.07	115	44.5	38.64	72.93	1	1	1	1	1	34.28	47.01215347
6914	01/01/2021	3	3.4	3.4.3.1	2300050975	-	10	-	-	-	-	-	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6915	01/01/2021	3	3.4	3.4.3.1	2300050489	-	10	-	-	-	-	-	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
6916	01/01/2021	3	3.4	3.4.3.1	2300050888	-	10	-	-	-	-	-	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
6917	01/01/2021	3	3.4	3.4.3.1	2300045283	833	20	30.4	30	2.4	20.5	1.4	72	28.7	39.86	74.72	1	1	1	1	1	34.86	46.65068938
6918	01/01/2021	3	3.4	3.4.3.1	2300050852	915	20	30.5	11	2.4	18.5	2.1	26	38.9	147.16	75.24	1	1	1	1	1	-71.92	-95.58104637
6919	01/01/2021	3	3.4	3.4.3.1	2300050854	904	20	24	20	2.5	17.4	1.5	50	26.1	52.20	75.17	1	1	1	1	1	22.97	30.55888128
6920	01/01/2021	3	3.4	3.4.3.1	2300043252	924	40	54.8	11	5.6	7	5.3	62	37.1	60.23	75.30	1	1	1	1	0	15.07	20.01647721
6921	01/01/2021	3	3.4	3.4.3.1	2300045432	947	92	62.2	20	6.2	14.8	5.4	124	79.9	64.45	75.45	1	1	0	0	0	11.00	14.57343068
6922	01/01/2021	3	3.4	3.4.3.1	2300045450	942	66	34.3	30	5.9	13.8	4.6	177	63.5	35.86	75.41	1	1	1	1	1	39.55	52.4438084
6923	01/01/2021	3	3.4	3.4.3.1	2300050858	954	104	62.9	20	7.03	14.6	6.3	141	92.0	65.42	75.49	1	1	0	0	0	10.07	13.3418418
6924	01/01/2021	3	3.4	3.4.3.1	2300050610	973	134	56.1	30	5.1	22.7	5.5	153	124.9	81.60	75.61	1	0	0	0	0	-5.99	-7.919393954
6925	01/01/2021	3	3.3	3.3.1.4	2300054949	859	89	63.6	20	4.8	15.1	4.2	96	63.4	66.06	74.88	1	1	0	0	0	8.82	11.77974884
6926	01/01/2021	3	3.3	3.3.1.4	2300055888	969	128	58.9	31	6.4	22.4	5.5	198	123.2	62.10	75.59	1	1	1	0	0	13.49	17.84793512
6927	01/01/2021	3	3.3	3.3.1.4	2300050673	982	93	57.6	20	6.9	14.6	5.8	138	84.7	61.36	75.67	1	1	1	0	0	14.31	18.90885409
6928	01/01/2021	3	3.3	3.3.1.4	2300050954	956	46	49	31	4.1	14.5	3.5	127	50.8	39.93	75.50	1	1	1	1	1	35.58	47.11673808
6929	01/01/2021	3	3.3	3.3.1.4	2300055702	983	132	61.9	30	6.3	22.1	5.4	189	119.3	63.14	75.68	1	1	1	0	0	12.53	16.56290515
6930	01/01/2021	3	3.3	3.3.1.4	2300055649	584	94	60.2	20	6.1	14.7	5.2	122	76.4	62.66	73.12	1	1	0	0	0	10.47	14.31529943
6931	01/01/2021	3	3.3	3.3.1.4	2300055088	639	138	58.1	30	4.5	23	3.7	135	85.1	63.04	73.48	1	1	0	0	0	10.44	14.20684277
6932	01/01/2021	3	3.3	3.3.1.4	2300054686	934	41	29.9	30	4.8	12.4	3.6	144	44.6	31.00	75.36	1	1	1	1	1	44.36	58.86608389
6933	01/01/2021	3	3.3	3.3.1.4	2300054960	873	48	34.6	27	5.5	12.5	4.1	149	51.3	34.51	74.97	1	1	1	1	1	40.46	53.96783849
6934	01/01/2021	3	3.3	3.3.1.4	2300052587	862	7	23.2	21	1.7	3.9	0.9	36	3.5	9.83	74.90	1	1	1	1	1	65.07	86.87374468
6935	01/01/2021	3	3.3	3.3.1.4	2300055697	756	21	30.6	26	4.1	11.5	2.8	107	32.2	30.21	74.22	1	1	1	1	1	44.02	59.30397688
6936	01/01/2021	3	3.3	3.3.1.4	2300055644	780	134	51.8	30	5.09	22.1	4.1	153	90.6	59.34	74.38	1	1	1	1	0	15.04	20.22026357
6937	01/01/2021	3	3.3	3.3.1.4	2300057656	639	71	53.2	20	3.7	13.7	3.02	74	41.4	55.91	73.48	1	1	1	1	0	17.56	23.90560838
6938	01/01/2021	3	3.3	3.3.1.4	2300055643	617	12	34.6	30	4.3	13.3	3.5	129	46.6	36.09	73.33	1	1	1	1	1	37.25	50.79379596
6939	02/01/2021	3	3.3	3.3.1.4	2300055920	705	71	54.2	21	4.5	14.4	3.6	95	51.8	54.86	73.90	1	1	1	1	1	19.04	25.76640388
6940	02/01/2021	3	3.3	3.3.1.4	2300055147	703	113	45.1	31	4.7	20.5	3.3	146	67.7	46.43	73.89	1	1	1	1	1	27.45	37.1578846
6941	02/01/2021	3	3.3	3.3.1.4	2300055681	531	43	45.3	26	3.5	14.7	2.8	91	41.2	45.23	72.78	1	1	1	1	1	27.55	37.85650602
6942	02/01/2021	3	3.3	3.3.1.4	2300055414	520	104	49.7	30	5.1	20	4.6	153	92.0	60.13	72.71	1	1	1	0	0	12.58	17.30516963
6943	02/01/2021	3	3.3	3.3.1.4	2300055885	944	54	30.1	31	5.4	12.7	4.2	167	53.3	31.86	75.43	1	1	1	1	1	43.56	57.75578265
6944	02/01/2021	3	3.3	3.3.1.4	2300055648	840	92	44.2	31	5.2	18.1	3.9	161	70.6	43.79	74.76	1	1	1	1	1	30.97	41.42703167

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6945	02/01/2021	3	3.3	3.3.1.4	2300054961	844	48	34.8	30	5.2	13.3	4.2	156	55.9	35.81	74.79	1	1	1	1	1	38.98	52.12081641
6946	02/01/2021	3	3.3	3.3.1.4	2300055037	833	88	36.4	31	4.8	12	2.6	149	31.2	20.97	74.72	1	1	1	1	1	53.75	71.93719527
6947	02/01/2021	3	3.3	3.3.1.4	2300055650	514	25	30.5	31	5.08	11.1	3.7	157	41.1	26.08	72.68	1	1	1	1	1	46.60	64.11518837
6948	02/01/2021	3	3.3	3.3.1.4	2300051788	846	14	24.1	31	5.9	23.7	3.4	183	80.6	44.06	74.80	1	1	1	1	1	30.74	41.10076728
6949	02/01/2021	3	3.3	3.3.1.3	2300055923	748	46	22.2	31	4	14.7	2.4	124	35.3	28.45	74.17	1	1	1	1	1	45.72	61.64165372
6950	02/01/2021	3	3.3	3.3.1.3	2300055827	606	23	39.3	30	4.1	18.6	3.2	123	59.5	48.39	73.26	1	1	1	1	1	24.87	33.95121791
6951	02/01/2021	3	3.3	3.3.1.3	2300055900	589	94	37.2	30	4.7	13.3	2.6	141	34.6	24.52	73.16	1	1	1	1	1	48.63	66.47580951
6952	02/01/2021	3	3.3	3.3.1.3	2300055897	753	34	34.2	31	4.1	11.7	3.8	127	44.5	34.98	74.21	1	1	1	1	1	39.22	52.86000112
6953	02/01/2021	3	3.3	3.3.1.3	2300055919	786	45	38.6	20	4.4	13.3	3.05	88	40.6	46.10	74.42	1	1	1	1	1	28.32	38.05587087
6954	02/01/2021	3	3.3	3.3.1.3	2300055707	921	80	38.6	31	6.3	14.5	3.3	195	47.9	24.50	75.28	1	1	1	1	1	50.78	67.45398796
6955	02/01/2021	3	3.3	3.3.1.3	2300055723	930	70	49.7	21	5.8	13.2	4.6	122	60.7	49.85	75.34	1	1	1	1	1	25.49	33.82859016
6956	02/01/2021	3	3.3	3.3.1.3	2300055725	921	48	30.7	31	5.4	12.4	4.2	167	52.1	31.11	75.28	1	1	1	1	1	44.17	58.6730263
6957	02/01/2021	3	3.3	3.3.1.3	2300055918	908	55	47.6	20	4.5	13	3.3	90	42.9	47.67	75.20	1	1	1	1	1	27.53	36.61111495
6958	02/01/2021	3	3.3	3.3.1.3	2300055925	835	119	5	31	5.6	21.7	4.2	174	91.1	52.50	74.73	1	1	1	1	1	22.23	29.74708952
6959	02/01/2021	3	3.3	3.3.1.3	2300055095	850	42	30.9	30	5.1	11.6	3.7	153	42.9	28.05	74.83	1	1	1	1	1	46.77	62.50997303
6960	02/01/2021	3	3.3	3.3.1.3	2300055692	923	91	42.9	31	5.7	14.6	3.9	177	56.9	32.22	75.29	1	1	1	1	1	43.07	57.20183408
6961	02/01/2021	3	3.3	3.3.1.3	2300055926	928	47	29.5	30	5.3	11.8	4.1	159	48.4	30.43	75.33	1	1	1	1	1	44.90	59.60492245
6962	02/01/2021	3	3.3	3.3.1.3	2300055682	894	51	33.2	30	5.3	13.4	4.1	159	54.9	34.55	75.11	1	1	1	1	1	40.55	53.99472341
6963	02/01/2021	3	3.3	3.3.1.3	2300055724	508	15	28.9	30	3.3	14.2	2.8	99	39.8	40.16	72.64	1	1	1	1	1	32.48	44.70930025
6964	02/01/2021	3	3.3	3.3.1.3	2300055903	609	32	37	21	3.7	11.1	2.6	78	28.9	37.14	73.28	1	1	1	1	1	36.14	49.31627657
6965	02/01/2021	3	3.3	3.3.1.3	2300055689	734	24	33	30	4.4	12.7	3.6	132	45.7	34.64	74.08	1	1	1	1	1	39.45	53.24692154
6966	02/01/2021	3	3.3	3.3.1.3	2300055097	692	25	35.5	29	4.1	13	3.3	119	42.9	36.08	73.81	1	1	1	1	1	37.73	51.11991075
6967	02/01/2021	3	3.3	3.3.1.3	2300055905	705	32	28.6	30	3.9	13.6	1.9	117	25.8	22.09	73.90	1	1	1	1	1	51.81	70.11357535
6968	02/01/2021	3	3.3	3.3.1.3	2300055906	701	72	36.1	20	4.4	17.6	2.8	88	49.3	56.00	73.87	1	1	1	1	0	17.87	24.19360952
6969	02/01/2021	3	3.3	3.3.1.3	2300055676	712	67	50.6	30	4.6	13.1	3.7	138	48.5	35.12	73.94	1	1	1	1	1	38.82	52.49951529
6970	02/01/2021	3	3.3	3.3.1.3	2300055647	676	14	26.6	30	4.5	11.3	3.3	135	37.3	27.62	73.71	1	1	1	1	1	46.09	62.5270345
6971	02/01/2021	3	3.3	3.3.1.3	2300050768	822	42	33.1	30	5.2	12.7	4.2	156	53.3	34.19	74.65	1	1	1	1	1	40.45	54.19454325
6972	02/01/2021	3	3.3	3.3.1.3	-	720	23	33.5	30	4.6	13.1	3.3	138	43.2	31.33	73.99	1	1	1	1	1	42.67	57.66401741
6973	02/01/2021	3	3.3	3.3.1.2	2300055931	719	18	32.6	30	4.7	12.9	3.7	141	47.7	33.85	73.99	1	1	1	1	1	40.14	54.24765254
6974	02/01/2021	3	3.3	3.3.1.2	-	609	67	51.4	30	4.4	13.3	3.5	132	46.6	35.27	73.28	1	1	1	1	1	38.02	51.87852191

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
6975	02/01/2021	3	3.3	3.3.1.2	2300055896	1049	97	37.4	30	7.5	14	6.3	225	88.2	39.20	76.10	1	1	1	1	1	36.90	48.48855973
6976	02/01/2021	3	3.3	3.3.1.2	2300055691	808	134	60.3	30	5.3	21.9	4.6	159	100.7	63.36	74.56	1	1	1	0	0	11.20	15.02029238
6977	02/01/2021	3	3.3	3.3.1.2	-	814	68	37.5	30	5.8	14.9	4.5	174	67.1	38.53	74.60	1	1	1	1	1	36.06	48.34215053
6978	02/01/2021	3	3.3	3.3.1.2	2300055722	845	128	44.7	30	5.2	23.2	3.8	156	88.2	56.51	74.79	1	1	1	1	0	18.28	24.44204012
6979	02/01/2021	3	3.3	3.3.1.2	2300055643	858	111	47.8	30	6.7	19.7	5.7	201	112.3	55.87	74.88	1	1	1	1	1	19.01	25.39027682
6980	02/01/2021	3	3.3	3.3.1.2	2300055638	878	63	46.4	20	5.7	12.7	4.4	114	55.9	49.02	75.01	1	1	1	1	1	25.99	34.64780594
6981	02/01/2021	3	3.3	3.3.1.2	2300055799	981	65	30	30	6.4	12.3	4.9	192	60.3	31.39	75.66	1	1	1	1	1	44.27	58.51334974
6982	02/01/2021	3	3.3	3.3.1.2	2300055652	1058	46	39	29	3.5	13.7	2.9	102	39.7	39.14	76.16	1	1	1	1	1	37.01	48.60255216
6983	02/01/2021	3	3.3	3.3.1.2	2300055658	504	80	37.7	31	6.2	14.2	5.3	192	75.3	39.16	72.61	1	1	1	1	1	33.45	46.0731784
6984	02/01/2021	3	3.3	3.3.1.2	2300055664	624	26	18.9	30	3.3	12	2.6	99	31.2	31.52	73.38	1	1	1	1	1	41.86	57.05188974
6985	02/01/2021	3	3.3	3.3.1.2	2300055703	1010	39	22.2	31	4.8	12.1	2.8	149	33.9	22.77	75.85	1	1	1	1	1	53.08	69.98178351
6986	02/01/2021	3	3.3	3.3.1.2	2300055641	797	108	48.2	30	5.4	20.5	4.02	162	82.4	50.87	74.49	1	1	1	1	1	23.62	31.70552317
6987	02/01/2021	3	3.3	3.3.1.2	2300055699	716	129	56.3	30	5.1	22.3	4.5	153	100.4	65.59	73.97	1	1	0	0	0	8.38	11.32938485
6988	02/01/2021	3	3.3	3.3.1.2	2300055698	1089	91	58.4	29	5.7	14.8	3.3	165	48.8	29.55	76.36	1	1	1	1	1	46.81	61.30437127
6989	02/01/2021	3	3.3	3.3.1.2	2300055686	1130	116	53.3	31	7.1	20.8	5.7	220	118.6	53.87	76.62	1	1	1	1	1	22.75	29.69481799
6990	02/01/2021	3	3.3	3.3.1.2	2300054674	1007	68	35.8	30	5.8	13.7	4.6	174	63.0	36.22	75.83	1	1	1	1	1	39.61	52.23788908
6991	02/01/2021	3	3.3	3.3.1.2	-	1018	122	55.4	31	6.7	20.9	5.5	208	115.0	55.34	75.90	1	1	1	1	1	20.56	27.083832
6992	02/01/2021	3	3.3	3.3.1.2	-	1039	89	57.1	21	7.06	14	6.06	148	84.8	57.22	76.04	1	1	1	1	0	18.81	24.74078454
6993	02/01/2021	3	3.3	3.3.1.2	2300055837	1008	79	34.6	25	6.8	13.4	5.5	170	73.7	43.35	75.84	1	1	1	1	1	32.48	42.83420119
6994	02/01/2021	3	3.3	3.3.1.2	2300055654	984	82	41.8	30	5.9	14.7	5.2	177	76.4	43.19	75.68	1	1	1	1	1	32.50	42.93817858
6995	02/01/2021	3	3.3	3.3.1.2	2300055542	1079	111	50.9	30	6.7	22.1	4.8	201	106.1	52.78	76.29	1	1	1	1	1	23.52	30.82315825
6996	02/01/2021	3	3.3	3.3.1.2	-	1030	58	27.6	30	6.04	12.3	4.2	181	51.7	28.51	75.98	1	1	1	1	1	47.47	62.47606705
6997	02/01/2021	3	3.3	3.3.1.1	2300048993	1036	133	55.1	30	7.5	23.3	5.3	225	123.5	54.88	76.02	1	1	1	1	1	21.13	27.7992059
6998	02/01/2021	3	3.3	3.3.1.1	2300055687	1050	79	34.8	30	6.7	13.6	5.3	201	72.1	35.86	76.11	1	1	1	1	1	40.25	52.88059218
6999	02/01/2021	3	3.3	3.3.1.1	2300052531	1051	36	23	30	4.02	11.3	4.7	121	53.1	44.04	76.11	1	1	1	1	1	32.07	42.14064644
7000	02/01/2021	3	3.3	3.3.1.1	2300055704	1047	35	18.4	18	5.1	5.8	4	92	23.2	25.27	76.09	1	1	1	1	1	50.81	66.78486787
7001	02/01/2021	3	3.3	3.3.1.1	2300055813	1023	39	22.3	30	5.1	10.6	3.2	153	33.9	22.17	75.93	1	1	1	1	1	53.76	70.80337107
7002	02/01/2021	3	3.3	3.3.1.1	2300055653	914	62	34.6	30	5.6	12.6	4.6	168	58.0	34.50	75.24	1	1	1	1	1	40.74	54.14404883
7003	02/01/2021	3	3.3	3.3.1.1	2300054061	1000	88	42.2	30	5.8	19.1	3.9	174	74.5	42.81	75.79	1	1	1	1	1	32.98	43.5115393
7004	02/01/2021	3	3.3	3.3.1.1	2300055069	1063	106	44.2	30	7.6	14.5	6.7	228	97.2	42.61	76.19	1	1	1	1	1	33.58	44.07389876

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7005	02/01/2021	3	3.3	3.3.1.1	2300055715	1046	89	35.5	30	6.2	14.6	3.8	186	55.5	29.83	76.08	1	1	1	1	1	46.25	60.79416382
7006	02/01/2021	3	3.3	3.3.1.1	2300055894	522	29	62.5	30	3.9	21.6	3.6	117	77.8	66.46	72.73	1	0	0	0	0	6.27	8.614790612
7007	02/01/2021	3	3.3	3.3.1.1	2300055086	510	9	40.6	32	3.8	15.7	3.1	122	48.7	40.02	72.65	1	1	1	1	1	32.63	44.90754157
7008	02/01/2021	3	3.3	3.3.1.1	-	839	46	59.3	32	3.6	25.5	5	115	127.5	110.68	74.76	1	1	1	1	1	-35.92	-48.05189622
7009	02/01/2021	3	3.3	3.3.1.1	2300055656	953	96	43.3	32	6.1	19.2	4.4	195	84.5	43.28	75.49	1	1	1	1	1	32.21	42.66599476
7010	02/01/2021	3	3.3	3.3.1.1	2300055662	780	47	34.3	32	5.4	13.7	4.3	173	58.9	34.09	74.38	1	1	1	1	1	40.29	54.16462504
7011	02/01/2021	3	3.3	3.3.1.1	2300055651	676	16	60.9	32	5.2	23.6	4.2	166	99.1	59.57	73.71	1	1	1	0	0	14.15	19.18956961
7012	02/01/2021	3	3.3	3.3.1.1	2300055693	574	66	51.5	30	3.6	15.3	3.3	108	50.5	46.75	73.06	1	1	1	1	1	26.31	36.01114706
7013	02/01/2021	3	3.3	3.3.1.1	2300055018	541	20	30	30	4.1	20.4	2.4	123	49.0	39.80	72.85	1	1	1	1	1	33.04	45.35929677
7014	02/01/2021	3	3.3	3.3.1.1	2300056125	544	33	39.2	31	4.7	15	4	146	60.0	41.18	72.87	1	1	1	1	1	31.69	43.48584571
7015	02/01/2021	3	3.3	3.3.1.1	2300056184	711	83	56.7	22	4.2	14.7	3.4	92	50.0	54.09	73.94	1	1	1	1	1	19.85	26.84129997
7016	02/01/2021	3	3.3	3.3.1.1	2300056195	685	43	38.2	32	4.9	14.7	4.1	157	60.3	38.44	73.77	1	1	1	1	1	35.33	47.89548597
7017	02/01/2021	3	3.3	3.3.1.1	2300055898	781	40	39.9	32	4.7	14.8	4	150	59.2	39.36	74.38	1	1	1	1	1	35.02	47.08339097
7018	02/01/2021	3	3.3	3.3.1.1	2300055915	680	45	41.7	31	4.4	15.6	3.7	136	57.7	42.32	73.74	1	1	1	1	1	31.42	42.61206496
7019	02/01/2021	3	3.3	3.3.1.1	2300055688	657	41	40.7	31	6.4	15.1	3.9	198	58.9	29.68	73.59	1	1	1	1	1	43.91	59.66552928
7020	02/01/2021	3	3.3	3.3.1.1	2300055714	962	65	34.6	29	6.04	13	4.8	175	62.4	35.62	75.54	1	1	1	1	1	39.92	52.84187001
7021	02/01/2021	3	3.3	3.3.3.1	2300055093	966	59	31.3	30	6.6	12.4	4.6	198	57.0	28.81	75.57	1	1	1	1	1	46.76	61.87813847
7022	02/01/2021	3	3.3	3.3.3.1	2300055901	967	72	33.4	33	6.4	13.2	5.3	211	70.0	33.13	75.57	1	1	1	1	1	42.45	56.16925218
7023	02/01/2021	3	3.3	3.3.3.1	2300055114	965	65	31.5	31	4.9	12.7	5.01	152	63.6	41.89	75.56	1	1	1	1	1	33.67	44.56548803
7024	02/01/2021	3	3.3	3.3.3.1	2300055922	971	41	30.6	30	6.3	11.7	3.8	189	44.5	23.52	75.60	1	1	1	1	1	52.08	68.88401447
7025	02/01/2021	3	3.3	3.3.3.1	23000	995	72	34.6	31	5.1	13.4	5.1	158	68.3	43.23	75.75	1	1	1	1	1	32.53	42.93924222
7026	02/01/2021	3	3.3	3.3.3.1	2300052280	992	34	27.5	30	3.9	10.7	3.03	117	32.4	27.71	75.73	1	1	1	1	1	48.02	63.41146156
7027	02/01/2021	3	3.3	3.3.3.1	23000	737	32	42.2	30	4.2	14.7	3.4	126	50.0	39.67	74.10	1	1	1	1	1	34.44	46.47075864
7028	02/01/2021	3	3.3	3.3.3.1	2300056269	641	15	38.9	30	4.1	14.2	3.5	123	49.7	40.41	73.49	1	1	1	1	1	33.08	45.01648687
7029	02/01/2021	3	3.3	3.3.3.1	2300052630	992	84	35.7	32	7.2	13.7	5.8	230	79.5	34.49	75.73	1	1	1	1	1	41.25	54.46235123
7030	02/01/2021	3	3.3	3.3.3.1	2300052209	994	137	54.7	31	6.3	22.7	5.6	195	127.1	65.09	75.75	1	1	0	0	0	10.66	14.07040522
7031	02/01/2021	3	3.3	3.3.3.1	2300052213	982	71	37	28	6.2	13.2	5.1	174	67.3	38.78	75.67	1	1	1	1	1	36.89	48.75328153
7032	02/01/2021	3	3.3	3.3.3.1	2300056226	971	105	48.7	31	5.7	20.8	4.5	177	93.6	52.97	75.60	1	1	1	1	1	22.63	29.9327285
7033	02/01/2021	3	3.3	3.3.3.1	23000	947	54	30.6	30	3.9	12.8	2.3	117	29.4	25.16	75.45	1	1	1	1	1	50.28	66.64882651
7034	02/01/2021	3	3.3	3.3.3.1	2300052211	963	94	44.2	31	6.5	14.4	5.7	202	82.1	40.73	75.55	1	1	1	1	1	34.81	46.08216723

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7035	02/01/2021	3	3.3	3.3.3.1	23000	960	129	55.2	31	5.7	22.6	5.1	177	115.3	65.23	75.53	1	1	0	0	0	10.30	13.63802193
7036	02/01/2021	3	3.3	3.3.3.1	23000	961	63	40	30	6.04	12.8	4.6	181	58.9	32.49	75.54	1	1	1	1	1	43.04	56.98169196
7037	02/01/2021	3	3.3	3.3.3.1	23000	958	68	33.5	31	6.3	17.2	3.7	195	63.6	32.59	75.52	1	1	1	1	1	42.93	56.84987594
7038	02/01/2021	3	3.3	3.3.3.1	2300052035	974	54	34.3	31	6.4	12.2	4.2	198	51.2	25.83	75.62	1	1	1	1	1	49.79	65.84666819
7039	02/01/2021	3	3.3	3.3.3.1	2300052123	951	107	46.3	30	6.2	20	4.7	186	94.0	50.54	75.47	1	1	1	1	1	24.93	33.03825715
7040	02/01/2021	3	3.3	3.3.3.1	2300052260	950	15	20.2	30	2.9	18.2	1.4	87	25.5	29.29	75.47	1	1	1	1	1	46.18	61.19132282
7041	02/01/2021	3	3.3	3.3.3.1	23000	944	62	32.6	30	6.1	12.8	4.8	183	61.4	33.57	75.43	1	1	1	1	1	41.85	55.48874617
7042	02/01/2021	3	3.3	3.3.3.1	2300052280	730	48	22.6	32	2.7	13.8	1.1	86	15.2	17.57	74.06	1	1	1	1	1	56.49	76.27610191
7043	02/01/2021	3	3.3	3.3.3.1	23000	640	69	41.8	30	5.5	15.9	4.8	165	76.3	46.25	73.48	1	1	1	1	1	27.23	37.0532301
7044	02/01/2021	3	3.3	3.3.3.1	2300056260	800	47	41.7	21	4.6	11.8	3.4	97	40.1	41.53	74.51	1	1	1	1	1	32.97	44.25671611
7045	02/01/2021	3	3.3	3.3.3.2	2300052237	871	110	67.6	21	6.3	16.1	5.7	132	91.8	69.37	74.96	1	0	0	0	0	5.60	7.4643687
7046	02/01/2021	3	3.3	3.3.3.2	2300056189	868	86	41.8	30	4.2	18.6	3.9	126	72.5	57.57	74.94	1	1	1	1	0	17.37	23.17786669
7047	02/01/2021	3	3.3	3.3.3.2	2300055670	886	13	22.3	30	6.3	5.6	5.1	189	28.6	15.11	75.06	1	1	1	1	1	59.95	79.86699187
7048	02/01/2021	3	3.3	3.3.3.2	23000	894	65	34.1	30	5.6	13.5	4.4	168	59.4	35.36	75.11	1	1	1	1	1	39.75	52.92468025
7049	02/01/2021	3	3.3	3.3.3.2	2300056194	904	50	31.4	31	4.9	12.5	4.05	152	50.6	33.33	75.17	1	1	1	1	1	41.84	55.66431037
7050	02/01/2021	3	3.3	3.3.3.2	2300056182	862	45	36.6	31	6.2	13.9	4.8	192	66.7	34.71	74.90	1	1	1	1	1	40.19	53.65481698
7051	02/01/2021	3	3.3	3.3.3.2	23000	916	65	34.3	31	6.1	13.3	5.03	189	66.9	35.38	75.25	1	1	1	1	1	39.87	52.98560767
7052	02/01/2021	3	3.3	3.3.3.2	23000	934	110	56.5	31	6.5	20	4.8	202	96.0	47.64	75.36	1	1	1	1	1	27.72	36.78290328
7053	02/01/2021	3	3.3	3.3.3.2	2300041893	921	57	46.1	21	5.2	12.5	4.05	109	50.6	46.36	75.28	1	1	1	1	1	28.92	38.4170513
7054	02/01/2021	3	3.3	3.3.3.2	2300043471	882	18	21	31	2.4	20	1.4	74	28.0	37.63	75.03	1	1	1	1	1	37.40	49.841387
7055	02/01/2021	3	3.3	3.3.3.2	2300043357	580	57	56.7	17	4.2	11.3	3.7	71	41.8	58.56	73.10	1	1	1	0	0	14.54	19.89189449
7056	02/01/2021	3	3.3	3.3.3.2	2300056293	534	33	49.3	32	3.6	16.6	3.3	115	54.8	47.55	72.80	1	1	1	1	1	25.25	34.6844341
7057	02/01/2021	3	3.3	3.3.3.2	23000	761	27	39.5	32	4.1	15.5	3.3	131	51.2	38.99	74.26	1	1	1	1	1	35.27	47.49775038
7058	02/01/2021	3	3.3	3.3.3.2	23000	1000	90	49.6	31	6.3	17.9	4.7	195	84.1	43.08	75.79	1	1	1	1	1	32.71	43.15926827
7059	02/01/2021	3	3.3	3.3.3.2	2300043272	659	7	33.5	30	4.4	13.1	3.5	132	45.9	34.73	73.60	1	1	1	1	1	38.87	52.80822068
7060	02/01/2021	3	3.3	3.3.3.2	2300044142	1012	47	25.6	31	5.8	11.8	3.8	180	44.8	24.94	75.86	1	1	1	1	1	50.92	67.12641649
7061	02/01/2021	3	3.3	3.3.3.2	2300056324	989	59	32.2	30	6.09	12.1	4.7	183	56.9	31.13	75.72	1	1	1	1	1	44.59	58.88887961
7062	02/01/2021	3	3.3	3.3.3.2	2300056327	908	51	31.6	31	5.6	12.6	4.3	174	54.2	31.21	75.20	1	1	1	1	1	43.99	58.49622404
7063	02/01/2021	3	3.3	3.3.3.2	2300056314	986	66	44.1	21	6.6	13.9	4.4	139	61.2	44.13	75.70	1	1	1	1	1	31.57	41.70530682
7064	02/01/2021	3	3.3	3.3.3.2	2300031880	989	56	29.8	30	5.7	12	4.4	171	52.8	30.88	75.72	1	1	1	1	1	44.84	59.21950961

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7065	02/01/2021	3	3.3	3.3.3.2	2300056297	1023	86	35.6	31	7.2	13.6	5.9	223	80.2	35.95	75.93	1	1	1	1	1	39.98	52.65599133
7066	02/01/2021	3	3.3	3.3.3.2	2300044730	1040	83	37.4	31	6.06	18.3	4.5	188	82.4	43.84	76.04	1	1	1	1	1	32.21	42.35312696
7067	02/01/2021	3	3.3	3.3.3.2	2300056319	1038	81	55.7	30	6.09	13	5.8	183	75.4	41.27	76.03	1	1	1	1	1	34.76	45.71843283
7068	02/01/2021	3	3.3	3.3.3.2	23000	1027	72	33.4	30	6.5	12.8	5.2	195	66.6	34.13	75.96	1	1	1	1	1	41.83	55.06335891
7069	02/01/2021	3	3.3	3.3.3.4	2300052337	1024	63	31.8	30	6.6	11.8	4.9	198	57.8	29.20	75.94	1	1	1	1	1	46.74	61.54572818
7070	02/01/2021	3	3.3	3.3.3.4	2300052203	972	109	48.9	30	6.4	20.5	4.7	192	96.4	50.18	75.61	1	1	1	1	1	25.42	33.62727735
7071	02/01/2021	3	3.3	3.3.3.4	2300052202	1012	49	34.4	30	6.2	13.1	5.06	186	66.3	35.64	75.86	1	1	1	1	1	40.23	53.02357096
7072	02/01/2021	3	3.3	3.3.3.4	2300052207	773	81	37.4	30	4.6	18.2	2.9	138	52.8	38.25	74.33	1	1	1	1	1	36.09	48.54738285
7073	02/01/2021	3	3.3	3.3.3.4	2300056146	600	42	39.6	31	3.7	14.4	3.07	115	44.2	38.54	73.23	1	1	1	1	1	34.68	47.36530164
7074	02/01/2021	3	3.3	3.3.3.4	2300056120	620	118	50.6	31	4.7	21	5.2	146	109.2	74.95	73.35	0	0	0	0	0	-1.59	-2.173738808
7075	02/01/2021	3	3.3	3.3.3.4	2300052187	630	76	45.5	30	6.7	12.9	5.6	201	72.2	35.94	73.42	1	1	1	1	1	37.48	51.04702048
7076	02/01/2021	3	3.3	3.3.3.4	2300052196	991	126	56.4	31	6.5	23.7	4.9	202	116.1	57.63	75.73	1	1	1	1	0	18.10	23.89545489
7077	02/01/2021	3	3.3	3.3.3.4	2300055767	976	134	56.9	30	6.6	21.2	5.4	198	114.5	57.82	75.63	1	1	1	1	0	17.81	23.55368623
7078	02/01/2021	3	3.3	3.3.3.4	23000	944	88	41.8	30	6.4	15	5.6	192	84.0	43.75	75.43	1	1	1	1	1	31.68	41.99735906
7079	02/01/2021	3	3.3	3.3.3.4	2300044716	972	47	30.2	31	5.9	12.3	4.5	183	55.4	30.26	75.61	1	1	1	1	1	45.34	59.97391969
7080	02/01/2021	3	3.3	3.3.3.4	2300041791	695	122	49.8	30	6.2	20.4	4.7	186	95.9	51.55	73.83	1	1	1	1	1	22.29	30.18340182
7081	02/01/2021	3	3.3	3.3.3.4	2300056317	950	42	39.7	19	4.7	11	3.4	89	37.4	41.88	75.47	1	1	1	1	1	33.58	44.50308882
7082	02/01/2021	3	3.3	3.3.3.4	23000	789	92	43.2	30	5.6	19.3	3.8	168	73.3	43.65	74.44	1	1	1	1	1	30.78	41.35230736
7083	02/01/2021	3	3.3	3.3.3.4	2300041891	963	77	37.6	31	6.2	14.6	5.05	192	73.7	38.36	75.55	1	1	1	1	1	37.19	49.22370825
7084	02/01/2021	3	3.3	3.3.3.4	2300043306	977	48	29	32	5.6	18	2.8	179	50.4	28.13	75.64	1	1	1	1	1	47.51	62.81670254
7085	02/01/2021	3	3.3	3.3.3.4	2300044234	792	82	44.8	31	5.6	16.1	5.02	174	80.8	46.56	74.45	1	1	1	1	1	27.90	37.47018109
7086	02/01/2021	3	3.3	3.3.3.4	2300041784	697	54	34.8	32	5.2	14.6	4.2	166	61.3	36.85	73.85	1	1	1	1	1	37.00	50.09809289
7087	02/01/2021	3	3.3	3.3.3.4	23000	817	44	31.9	32	5.6	13.2	4.5	179	59.4	33.15	74.61	1	1	1	1	1	41.47	55.57540672
7088	02/01/2021	3	3.3	3.3.3.4	2300043335	777	11	28.4	31	4.9	12.1	3.7	152	44.8	29.47	74.36	1	1	1	1	1	44.89	60.36334943
7089	02/01/2021	3	3.3	3.3.3.4	2300043245	619	14	39.8	30	3.8	14.8	3.2	114	47.4	41.54	73.35	1	1	1	1	1	31.80	43.36030129
7090	02/01/2021	3	3.3	3.3.3.4	2300043403	620	17	39	30	3.3	14.7	2.8	99	41.2	41.58	73.35	1	1	1	1	1	31.78	43.32175808
7091	02/01/2021	3	3.3	3.3.3.4	2300056320	751	26	43.5	31	2.9	15.5	2.5	90	38.8	43.10	74.19	1	1	1	1	1	31.09	41.90314874
7092	02/01/2021	3	3.3	3.3.3.4	2300056312	684	30	37.3	30	4	15.6	3.07	120	47.9	39.91	73.76	1	1	1	1	1	33.85	45.89472314
7093	02/01/2021	3	3.3	3.3.2.4	2300052844	530	103	46.8	30	5.4	20.2	4.1	162	82.8	51.12	72.78	1	1	1	1	1	21.65	29.75424333
7094	02/01/2021	3	3.3	3.3.2.4	2300048040	816	63	38.7	32	5.8	14.3	4.1	186	58.6	31.59	74.61	1	1	1	1	1	43.02	57.65967417

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7095	02/01/2021	3	3.3	3.3.2.4	23000	786	101	44.2	31	5.1	20.2	3.6	158	72.7	46.00	74.42	1	1	1	1	1	28.42	38.19076852
7096	02/01/2021	3	3.3	3.3.2.4	2300052842	720	127	54.7	31	4.7	22.1	3.7	146	81.8	56.12	73.99	1	1	1	1	0	17.87	24.15308155
7097	02/01/2021	3	3.3	3.3.2.4	2300043374	590	40	45.8	31	3.9	15.9	3.5	121	55.7	46.03	73.16	1	1	1	1	1	27.13	37.0851307
7098	02/01/2021	3	3.3	3.3.2.4	2300048031	660	61	41.7	30	5.01	15.3	4.3	150	65.8	43.77	73.61	1	1	1	1	1	29.84	40.53463512
7099	02/01/2021	3	3.3	3.3.2.4	2300050665	791	71	41.3	31	5.09	14.9	4.4	158	65.6	41.55	74.45	1	1	1	1	1	32.90	44.19101807
7100	02/01/2021	3	3.3	3.3.2.4	2300043377	773	69	34.9	30	4.8	17.6	3.06	144	53.9	37.40	74.33	1	1	1	1	1	36.93	49.68600841
7101	02/01/2021	3	3.3	3.3.2.4	2300043559	740	49	39.1	31	4.7	14.8	4.01	146	59.3	40.73	74.12	1	1	1	1	1	33.39	45.04598764
7102	02/01/2021	3	3.3	3.3.2.4	2300043244	695	47	39	32	4.8	15.7	3.8	154	59.7	38.84	73.83	1	1	1	1	1	34.99	47.39395694
7103	02/01/2021	3	3.3	3.3.2.4	2300052852	723	42	39.2	31	5.03	15.2	4.1	156	62.3	39.97	74.01	1	1	1	1	1	34.05	46.00064353
7104	02/01/2021	3	3.3	3.3.2.4	2300048045	909	31	37	31	4.8	14.2	4.06	149	57.7	38.74	75.20	1	1	1	1	1	36.46	48.48036044
7105	02/01/2021	3	3.3	3.3.2.4	2300053210	685	31	37.7	32	4.6	14.4	3.8	147	54.7	37.17	73.77	1	1	1	1	1	36.60	49.60835971
7106	02/01/2021	3	3.3	3.3.2.4	2300048038	587	32	36.6	32	4.2	15.7	3.6	134	56.5	42.05	73.14	1	1	1	1	1	31.09	42.50483789
7107	02/01/2021	3	3.3	3.3.2.4	2300053145	583	130	41.6	32	4.4	21.4	3.4	141	72.8	51.68	73.12	1	1	1	1	1	21.44	29.32424058
7108	02/01/2021	3	3.3	3.3.2.4	2300053142	720	67	67.7	30	5.3	15.8	4.6	159	72.7	45.71	73.99	1	1	1	1	1	28.28	38.22378595
7109	02/01/2021	3	3.3	3.3.2.4	2300052853	756	46	42.1	32	5.09	14.1	4.1	163	57.8	35.49	74.22	1	1	1	1	1	38.73	52.18231871
7110	02/01/2021	3	3.3	3.3.2.4	2300044714	747	119	36.6	32	5.2	21	4.6	166	96.6	58.05	74.17	1	1	1	1	0	16.11	21.72658843
7111	02/01/2021	3	3.3	3.3.2.4	2300053087	594	49	45.2	30	4.4	13.6	3.6	132	49.0	37.09	73.19	1	1	1	1	1	36.10	49.32077416
7112	02/01/2021	3	3.3	3.3.2.4	2300048032	567	121	58.6	31	4.3	21.4	3.3	133	70.6	52.98	73.01	1	1	1	1	1	20.04	27.44177268
7113	02/01/2021	3	3.3	3.3.2.4	2300043238	727	116	42.9	32	5.3	20.5	3.6	170	73.8	43.51	74.04	1	1	1	1	1	30.52	41.22790896
7114	02/01/2021	3	3.3	3.3.2.4	2300052837	723	51	42.8	32	4.6	15.5	4.1	147	63.6	43.17	74.01	1	1	1	1	1	30.84	41.66911531
7115	02/01/2021	3	3.3	3.3.2.4	2300052907	668	20	63.5	32	4.9	20.2	4.1	157	82.8	52.82	73.66	1	1	1	1	1	20.84	28.29484511
7116	02/01/2021	3	3.3	3.3.2.1	2300051495	601	133	20.4	32	4.5	21.6	4.3	144	92.9	64.50	73.23	1	1	0	0	0	8.73	11.92423026
7117	02/01/2021	3	3.3	3.3.2.1	2300051416	685	61	64.4	30	3.9	13.8	3.03	117	41.8	35.74	73.77	1	1	1	1	1	38.03	51.55420694
7118	02/01/2021	3	3.3	3.3.2.1	2300052001	563	15	47.2	32	4.07	14.3	3.2	130	45.8	35.14	72.99	1	1	1	1	1	37.85	51.86255619
7119	02/01/2021	3	3.3	3.3.2.1	23000	573	13	36	29	4	14.2	2.9	116	41.2	35.50	73.05	1	1	1	1	1	37.55	51.40527725
7120	02/01/2021	3	3.3	3.3.2.1	23000	576	20	18.2	30	2.1	20.4	1.4	63	28.6	45.33	73.07	1	1	1	1	1	27.74	37.9610724
7121	02/01/2021	3	3.3	3.3.2.1	2300053579	975	89	43.9	31	6.6	23.3	6.07	205	141.4	69.13	75.63	1	0	0	0	0	6.50	8.595442112
7122	02/01/2021	3	3.3	3.3.2.1	2300051487	948	50	30.6	32	5.5	15.7	4.2	176	65.9	37.47	75.45	1	1	1	1	1	37.99	50.34550014
7123	02/01/2021	3	3.3	3.3.2.1	2300051492	591	9	38.4	30	3.5	12.7	2.8	105	35.6	33.87	73.17	1	1	1	1	1	39.30	53.71408058
7124	02/01/2021	3	3.3	3.3.2.1	2300051432	533	96	29.2	30	3.7	14.5	1.9	111	27.6	24.82	72.80	1	1	1	1	1	47.98	65.90552958

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7125	02/01/2021	3	3.3	3.3.2.1	2300051493	972	62	47.5	21	5.6	17.6	4.6	118	81.0	68.84	75.61	1	0	0	0	0	6.76	8.945309926
7126	02/01/2021	3	3.3	3.3.2.1	2300052857	924	89	37.3	31	6.2	12.6	4.05	192	51.0	26.55	75.30	1	1	1	1	1	48.75	64.74022669
7127	02/01/2021	3	3.3	3.3.2.1	2300051486	807	47	33.6	29	5.3	18.5	4.1	154	75.9	49.35	74.55	1	1	1	1	1	25.20	33.80435634
7128	02/01/2021	3	3.3	3.3.2.1	2300046307	920	52	30.9	30	5.5	12.6	4.4	165	55.4	33.60	75.27	1	1	1	1	1	41.67	55.36307357
7129	02/01/2021	3	3.3	3.3.2.1	23000	857	86	41.5	31	6.2	12.3	5.4	192	66.4	34.56	74.87	1	1	1	1	1	40.31	53.84348459
7130	02/01/2021	3	3.3	3.3.2.1	2300048172	942	55	30.6	30	5.7	15.3	4.5	171	68.9	40.26	75.41	1	1	1	1	1	35.15	46.61106587
7131	02/01/2021	3	3.3	3.3.2.1	23000	956	59	30.2	32	5.7	12.4	4.5	182	55.8	30.59	75.50	1	1	1	1	1	44.91	59.48301654
7132	02/01/2021	3	3.3	3.3.2.1	2300048171	935	34	25.6	31	4.7	12.9	3.3	146	42.6	29.22	75.37	1	1	1	1	1	46.15	61.23448275
7133	02/01/2021	3	3.3	3.3.2.1	2300047535	989	63	35.1	31	6.02	11.4	4.8	187	54.7	29.32	75.72	1	1	1	1	1	46.39	61.27400943
7134	02/01/2021	3	3.3	3.3.2.1	2300048174	639	20	20.4	31	1.4	13.7	1	43	13.7	31.57	73.48	1	1	1	1	1	41.91	57.03768288
7135	02/01/2021	3	3.3	3.3.2.1	2300052848	658	82	51.2	32	4.1	15	3.3	131	49.5	37.73	73.60	1	1	1	1	1	35.87	48.73628543
7136	02/01/2021	3	3.3	3.3.2.1	2300044878	511	22	41.6	31	3.8	15.3	3.2	118	49.0	41.56	72.66	1	1	1	1	1	31.09	42.79654726
7137	02/01/2021	3	3.3	3.3.2.1	23000	724	97	31.4	32	5.2	12	4	166	48.0	28.85	74.02	1	1	1	1	1	45.17	61.02903306
7138	02/01/2021	3	3.3	3.3.2.3	2300051998	747	41	28	31	5.08	12.2	3.6	157	43.9	27.89	74.17	1	1	1	1	1	46.28	62.39657666
7139	02/01/2021	3	3.3	3.3.2.3	2300051938	858	44	24.4	30	3.4	13.6	2.8	102	38.1	37.33	74.88	1	1	1	1	1	37.54	50.14058574
7140	02/01/2021	3	3.3	3.3.2.3	2300051108	961	76	36.1	30	6.4	13.8	5.3	192	73.1	38.09	75.54	1	1	1	1	1	37.44	49.56901573
7141	02/01/2021	3	3.3	3.3.2.3	2300043420	960	47	29.1	30	5.3	11.9	3.9	159	46.4	29.19	75.53	1	1	1	1	1	46.34	61.35485338
7142	02/01/2021	3	3.3	3.3.2.3	2300051474	951	66	33.6	31	6.2	12.9	5.07	192	65.4	34.03	75.47	1	1	1	1	1	41.44	54.91250308
7143	02/01/2021	3	3.3	3.3.2.3	2300043438	953	47	30.1	31	5.9	11.2	4	183	44.8	24.49	75.49	1	1	1	1	1	50.99	67.55091176
7144	02/01/2021	3	3.3	3.3.2.3	2300051942	925	74	35.6	30	6.5	13	5.3	195	68.9	35.33	75.31	1	1	1	1	1	39.97	53.08032118
7145	02/01/2021	3	3.3	3.3.2.3	2300051995	927	115	44.2	31	6.6	21.9	4.2	205	92.0	44.96	75.32	1	1	1	1	1	30.36	40.31236327
7146	02/01/2021	3	3.3	3.3.2.3	23000	931	107	46.5	31	5.9	22.4	3.9	183	87.4	47.76	75.34	1	1	1	1	1	27.58	36.60603129
7147	02/01/2021	3	3.3	3.3.2.3	23000	933	48	30.1	31	4.7	12.3	3.4	146	41.8	28.70	75.36	1	1	1	1	1	46.65	61.91098661
7148	02/01/2021	3	3.3	3.3.2.3	2300051488	976	120	22.5	31	6.6	20.4	5.3	205	108.1	52.84	75.63	1	1	1	1	1	22.79	30.12971322
7149	02/01/2021	5	5.1	5.1.4.2	NA	659	102	42	31	7	17	5.48	217	93.2	42.93	73.60	1	1	1	1	1	30.67	41.67285897
7150	02/01/2021	5	5.1	5.1.4.3	NA	951	105	43.3	31	7	17.4	5.48	217	95.4	43.94	75.47	1	1	1	1	1	31.53	41.77869814
7151	02/01/2021	5	5.1	5.1.4.3	2300053575	953	103	64.9	20	6.83	14.7	6.27	137	92.2	67.47	75.49	1	1	0	0	0	8.01	10.61341073
7152	02/01/2021	5	5.1	5.1.4.3	NA	953	95	40.8	31	7	14.3	6.28	217	89.8	41.38	75.49	1	1	1	1	1	34.10	45.17556846
7153	02/01/2021	5	5.1	5.1.4.3	NA	965	89	NA	20	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	75.56	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
7154	02/01/2021	5	5.1	5.1.4.3	2201011862119	990	103	65.5	20	6.93	15.1	6.28	139	94.8	68.42	75.72	1	0	0	0	0	7.30	9.645188428

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7155	02/01/2021	5	5.1	5.1.4.4	22010122167786	1008	120	66.5	32	7.45	18.8	5.94	238	111.7	46.84	75.84	1	1	1	1	1	28.99	38.23310739
7156	02/01/2021	5	5.1	5.1.4.4	NA	1003	137	25.6	32	4.59	20.1	6.31	147	126.8	86.35	75.81	1	1	0	0	0	-10.54	-13.91049915
7157	02/01/2021	5	5.1	5.1.4.4	22011022468992	1003	92	36.3	32	7.39	16.9	5.09	236	86.0	36.38	75.81	1	1	1	1	1	39.43	52.01438422
7158	02/01/2021	5	5.2	5.2.3.1	NA	1004	119	47.5	31	7.38	18.5	5.96	229	110.3	48.19	75.81	1	1	1	1	1	27.62	36.4282349
7159	02/01/2021	5	5.2	5.2.3.1	220110122167781	1000	94	38.6	32	7.21	17.1	5.15	231	88.1	38.17	75.79	1	1	1	1	1	37.62	49.63496839
7160	02/01/2021	5	5.2	5.2.3.1	220110122167636	1001	134	60.1	31	6.77	21	6	210	126.0	60.04	75.79	1	1	1	1	0	15.76	20.78735353
7161	02/01/2021	5	5.2	5.2.3.3	22010022262814	1001	106	40.2	30	7.26	17.8	5.85	218	104.1	47.81	75.79	1	1	1	1	1	27.98	36.91990575
7162	02/01/2021	5	5.2	5.2.3.3	22010102268212	1012	98	66.9	30	7.12	16.2	5.07	214	82.1	38.45	75.86	1	1	1	1	1	37.41	49.31343532
7163	02/01/2021	5	5.2	5.2.3.3	22010122268177	989	119	84.7	30	7.2	18.7	5.85	216	109.4	50.65	75.72	1	1	1	1	1	25.07	33.11043783
7164	02/01/2021	5	5.2	5.2.3.3	22010122468942	1002	130	52.3	30	7.3	19.4	6.2	219	120.3	54.92	75.80	1	1	1	1	1	20.88	27.54189456
7165	02/01/2021	5	5.2	5.2.3.3	22011020282286	997	98	35.6	30	7.32	16.2	5.07	220	82.1	37.40	75.77	1	1	1	1	1	38.37	50.63584664
7166	02/01/2021	5	5.2	5.2.3.3	22011022468955	990	89	34.2	30	7.28	16.3	4.75	218	77.4	35.45	75.72	1	1	1	1	1	40.27	53.18268492
7167	02/01/2021	5	5.2	5.2.3.3	22011020282287	987	87	35.7	30	7.19	15.8	5.07	216	80.1	37.14	75.70	1	1	1	1	1	38.57	50.94277723
7168	02/01/2021	5	5.2	5.2.3.4	NA	976	83	34.1	30	7.32	12.9	6.03	220	77.8	35.42	75.63	1	1	1	1	1	40.21	53.16540114
7169	03/01/2021	5	5.2	5.2.3.4	22011122468946	983	79	34.2	30	7.03	20.9	5.88	211	122.9	58.27	75.68	1	1	1	1	0	17.41	23.00155097
7170	03/01/2021	5	5.2	5.2.3.4	22010122468950	715	108	33.5	31	6.01	18.6	4.3	186	80.0	42.93	73.96	1	1	1	1	1	31.03	41.95877264
7171	03/01/2021	5	5.2	5.2.3.4	2201022468939	816	100	45.7	32	5.64	18.2	4.53	180	82.4	45.68	74.61	1	1	1	1	1	28.93	38.77161827
7172	03/01/2021	5	5.2	5.2.3.4	22010202282482	748	41	51.2	31	5.29	19.2	4.39	164	84.3	51.40	74.17	1	1	1	1	1	22.77	30.70508487
7173	03/01/2021	5	5.2	5.2.3.4	NA	738	93	42.4	31	5.63	17.8	4.27	175	76.0	43.55	74.11	1	1	1	1	1	30.56	41.23676944
7174	03/01/2021	5	5.2	5.2.3.4	NA	707	100	47.9	31	5.26	18.5	4.31	163	79.7	48.90	73.91	1	1	1	1	1	25.01	33.84028015
7175	03/01/2021	5	5.3	5.3.1.1	NA	770	104	59	31	4.2	19.5	3.44	130	67.1	51.52	74.31	1	1	1	1	1	22.79	30.67155943
7176	03/01/2021	5	5.3	5.3.1.1	NA	629	100	47.9	31	4.86	18.7	3.95	151	73.9	49.03	73.41	1	1	1	1	1	24.38	33.21544301
7177	03/01/2021	5	5.3	5.3.1.1	2300047919	717	87	59.4	20	4.63	14	4.11	93	57.5	62.14	73.97	1	1	1	0	0	11.84	16.00081522
7178	03/01/2021	5	5.3	5.3.1.2	2300050658	704	129	56.3	31	5.14	20.8	4.46	159	92.8	58.22	73.89	1	1	1	1	0	15.67	21.20869199
7179	03/01/2021	5	5.3	5.3.1.2	NA	699	127	53.6	31	5.2	20.4	4.35	161	88.7	55.05	73.86	1	1	1	1	1	18.81	25.46720021
7180	03/01/2021	5	5.3	5.3.1.2	2300053392	653	125	55.4	31	4.79	20.6	4.09	148	84.3	56.74	73.57	1	1	1	1	0	16.82	22.87043161
7181	03/01/2021	5	5.3	5.3.1.2	2300050738	865	127	51.8	32	NA	NA	4.85	#VALUE!	#VALUE!	#VALUE!	74.92	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
7182	03/01/2021	5	5.3	5.3.1.3	22011020382988	981	116	49.3	30	6.98	19.9	5.43	209	108.1	51.60	75.66	1	1	1	1	1	24.06	31.79995895
7183	03/01/2021	5	5.3	5.3.1.3	NA	1007	134	64.6	31	7.28	20.5	6.1	226	125.1	55.41	75.83	1	1	1	1	1	20.42	26.92901105
7184	03/01/2021	5	5.3	5.3.1.3	22011012572435	993	123	50.3	31	7.21	22.1	5.63	224	124.4	55.67	75.74	1	1	1	1	1	20.07	26.50267575

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7185	03/01/2021	5	5.3	5.3.1.3	2300050739	994	51	60.7	31	7.3	21.9	6.38	226	139.7	61.74	75.75	1	1	1	0	0	14.01	18.48991191
7186	03/01/2021	5	5.3	5.3.1.3	2300050765	760	116	53.2	32	5.36	19.9	4.63	172	92.1	53.72	74.25	1	1	1	1	1	20.53	27.65261445
7187	03/01/2021	5	5.4	5.4.6.3	2355056563	761	91	45.4	30	5.93	17.3	4.47	178	77.3	43.47	74.26	1	1	1	1	1	30.79	41.46120375
7188	03/01/2021	3	3.4	3.4.2.2	23000	622	125	52.4	30	4.3	21	3.3	129	69.3	53.72	73.37	1	1	1	1	1	19.65	26.77760209
7189	03/01/2021	3	3.4	3.4.2.2	2300052282	621	32	30.3	30	3.8	13.1	3	114	39.3	34.47	73.36	1	1	1	1	1	38.89	53.00777503
7190	03/01/2021	3	3.4	3.4.2.2	2300052725	616	77	36.5	30	5.1	17.6	4.2	153	73.9	48.31	73.33	1	1	1	1	1	25.01	34.11321468
7191	03/01/2021	3	3.4	3.4.2.2	2300053399	614	42	21	30	4.3	7	3.9	129	27.3	21.16	73.32	1	1	1	1	1	52.15	71.13466889
7192	03/01/2021	3	3.4	3.4.2.2	2300053070	600	134	44.4	30	4.1	21.5	3.2	123	68.8	55.93	73.23	1	1	1	1	0	17.29	23.61325301
7193	03/01/2021	3	3.4	3.4.2.2	2300053191	528	128	26.9	29	3.7	21.4	3.3	107	70.6	65.82	72.77	1	0	0	0	0	6.95	9.550897073
7194	03/01/2021	3	3.4	3.4.2.2	23000	596	51	44.5	29	3.7	16.3	3.01	107	49.1	45.73	73.20	1	1	1	1	1	27.48	37.53439886
7195	03/01/2021	3	3.4	3.4.2.2	2300053406	603	136	63.9	29	3.8	22.4	3.2	110	71.7	65.05	73.25	1	1	0	0	0	8.20	11.19503797
7196	03/01/2021	3	3.4	3.4.2.2	23000	605	45	46.5	31	4.3	15.2	3.9	133	59.3	44.47	73.26	1	1	1	1	1	28.79	39.29520629
7197	03/01/2021	3	3.4	3.4.2.2	23000	598	100	63.5	24	4.3	16.6	3.9	103	64.7	62.73	73.21	1	1	0	0	0	10.48	14.31523531
7198	03/01/2021	3	3.4	3.4.2.2	2300053183	602	23	39.7	30	3.9	14.9	3.2	117	47.7	40.75	73.24	1	1	1	1	1	32.49	44.35717577
7199	03/01/2021	3	3.4	3.4.2.2	2300053244	601	12	31.4	30	3.9	12.3	3.1	117	38.1	32.59	73.23	1	1	1	1	1	40.64	55.49818989
7200	03/01/2021	3	3.4	3.4.2.2	2300053073	600	22	38.7	31	3.9	15.2	3.1	121	47.1	38.97	73.23	1	1	1	1	1	34.25	46.77524517
7201	03/01/2021	3	3.4	3.4.2.2	2300052124	589	68	54.9	22	3.8	14.3	3.3	84	47.2	56.45	73.16	1	1	1	1	0	16.71	22.83930633
7202	03/01/2021	3	3.4	3.4.2.2	2300052650	598	94	59.1	20	3.8	15.1	3.1	76	46.8	61.59	73.21	1	1	1	0	0	11.62	15.87295015
7203	03/01/2021	3	3.4	3.4.2.2	2300053240	580	90	56.5	20	3.9	14.6	3.2	78	46.7	59.90	73.10	1	1	1	0	0	13.20	18.05872131
7204	03/01/2021	3	3.4	3.4.2.2	23000	564	14	41.5	29	4.06	14.5	3.5	118	50.8	43.10	73.00	1	1	1	1	1	29.89	40.9506213
7205	03/01/2021	3	3.4	3.4.2.2	23000	515	69	46.9	31	4.1	18.1	3.4	127	61.5	48.42	72.68	1	1	1	1	1	24.26	33.38299984
7206	03/01/2021	3	3.4	3.4.2.2	23000	529	44	48	20	3.3	12.4	2.5	66	31.0	46.97	72.77	1	1	1	1	1	25.80	35.45600623
7207	03/01/2021	3	3.4	3.4.2.2	2300052283	576	17	16.7	30	2.09	13.5	1.2	63	16.2	25.84	73.07	1	1	1	1	1	47.24	64.64147808
7208	03/01/2021	3	3.4	3.4.2.2	23000	954	122	47.8	33	6.7	21.7	4.8	221	104.2	47.11	75.49	1	1	1	1	1	28.38	37.59583183
7209	03/01/2021	3	3.4	3.4.2.2	2300053402	947	47	28.1	32	5.3	11.6	4.06	170	47.1	27.77	75.45	1	1	1	1	1	47.68	63.19410774
7210	03/01/2021	3	3.4	3.4.2.2	23000	933	73	35.6	32	6.2	13.8	5.1	198	70.4	35.47	75.36	1	1	1	1	1	39.88	52.92581157
7211	03/01/2021	3	3.4	3.4.2.2	23000	949	89	45.3	28	6.2	14.8	5.9	174	87.3	50.30	75.46	1	1	1	1	1	25.16	33.34242539
7212	03/01/2021	3	3.4	3.4.2.4	23000	956	118	51.6	32	6.4	20.4	5.1	205	104.0	50.80	75.50	1	1	1	1	1	24.70	32.71811808
7213	03/01/2021	3	3.4	3.4.2.4	23000	958	75	36.9	30	6.1	13.8	5.1	183	70.4	38.46	75.52	1	1	1	1	1	37.06	49.07250746
7214	03/01/2021	3	3.4	3.4.2.4	23000	951	62	33.7	31	5.1	12.9	4.6	158	59.3	37.53	75.47	1	1	1	1	1	37.94	50.26896345

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7215	03/01/2021	3	3.4	3.4.2.4	2300053239	929	57	32.4	31	5.5	12.5	4.5	171	56.3	32.99	75.33	1	1	1	1	1	42.34	56.2053609
7216	03/01/2021	3	3.4	3.4.2.4	2300053206	968	76	33.2	31	6.1	14	5.5	189	77.0	40.72	75.58	1	1	1	1	1	34.86	46.12523195
7217	03/01/2021	3	3.4	3.4.2.4	2300052117	958	80	36.9	30	6.6	13.8	5.5	198	75.9	38.33	75.52	1	1	1	1	1	37.18	49.23893718
7218	03/01/2021	3	3.4	3.4.2.4	2300053245	940	97	42.8	31	6.7	15.1	6.07	208	91.7	44.13	75.40	1	1	1	1	1	31.27	41.47434588
7219	03/01/2021	3	3.4	3.4.2.4	2300052854	940	31	29.8	32	5.02	7.1	4.5	161	32.0	19.89	75.40	1	1	1	1	1	55.51	73.62245932
7220	03/01/2021	3	3.4	3.4.2.4	2300053238	942	63	35.5	30	5.6	13	4.6	168	59.8	35.60	75.41	1	1	1	1	1	39.82	52.80072599
7221	03/01/2021	3	3.4	3.4.2.4	2300052275	978	84	38	30	6.7	14	5.7	201	79.8	39.70	75.65	1	1	1	1	1	35.94	47.51617745
7222	03/01/2021	3	3.4	3.4.2.4	2300053230	972	26	29.3	30	3.7	13.8	1.6	111	22.1	19.89	75.61	1	1	1	1	1	55.71	73.69034017
7223	03/01/2021	3	3.4	3.4.2.4	2300053232	975	90	41.2	21	6.4	13.5	4.4	134	59.4	44.20	75.63	1	1	1	1	1	31.43	41.55921433
7224	03/01/2021	3	3.4	3.4.2.4	2300053246	677	26	29.6	31	4.03	12.6	3.07	125	38.7	30.96	73.72	1	1	1	1	1	42.76	57.99858483
7225	03/01/2021	3	3.4	3.4.2.4	2300053231	753	16	27.8	31	4.6	12.6	3.3	143	41.6	29.16	74.21	1	1	1	1	1	45.05	60.70560382
7226	03/01/2021	3	3.4	3.4.2.4	2300052746	786	11	34	32	3.5	14	2.6	112	36.4	32.50	74.42	1	1	1	1	1	41.92	56.32683118
7227	03/01/2021	3	3.4	3.4.2.4	2300053226	690	13.6	27.4	31	4.6	12.1	3.3	143	39.9	28.00	73.80	1	1	1	1	1	45.80	62.05874837
7228	03/01/2021	3	3.4	3.4.2.4	2300053227	775	69	41	32	5.1	15.3	4.4	163	67.3	41.25	74.35	1	1	1	1	1	33.10	44.5161811
7229	03/01/2021	3	3.4	3.4.2.4	2300053241	704	25	29.2	30	4.7	12.3	3.5	141	43.1	30.53	73.89	1	1	1	1	1	43.36	58.68012752
7230	03/01/2021	3	3.4	3.4.2.4	2300052414	789	49	34.9	31	5.5	14.2	4.3	171	61.1	35.81	74.44	1	1	1	1	1	38.62	51.88818695
7231	03/01/2021	3	3.4	3.4.2.4	2300053400	809	92	44.3	32	5.1	19.2	3.8	163	73.0	44.71	74.56	1	1	1	1	1	29.86	40.04328875
7232	03/01/2021	3	3.4	3.4.2.4	2300053241	820	89	51.2	32	5.6	15	4.8	179	72.0	40.18	74.63	1	1	1	1	1	34.46	46.16586083
7233	03/01/2021	3	3.4	3.4.2.4	2300049410	822	78	36.2	31	5.3	18.2	3.4	164	61.9	37.66	74.65	1	1	1	1	1	36.98	49.54530947
7234	03/01/2021	3	3.4	3.4.2.4	2300052726	824	91	36.2	29	5.3	15.7	4.5	154	70.7	45.97	74.66	1	1	1	1	1	28.69	38.43234111
7235	03/01/2021	3	3.4	3.4.2.4	2300052651	825	115	59.6	22	5.5	20.8	4.3	121	89.4	73.92	74.67	0	0	0	0	0	0.75	1.002658008
7236	03/01/2021	3	3.4	3.4.1.3	2300052909	826	69	51.4	31	5.2	15.7	4.4	161	69.1	42.85	74.67	1	1	1	1	1	31.82	42.61119501
7237	03/01/2021	3	3.4	3.4.1.3	2300053135	837	69	41.3	30	5	14.9	4.9	150	73.0	48.67	74.74	1	1	1	1	1	26.07	34.87890026
7238	03/01/2021	3	3.4	3.4.1.3	2300053076	839	57	39.5	31	4.8	12.9	3.8	149	49.0	32.94	74.76	1	1	1	1	1	41.81	55.9316648
7239	03/01/2021	3	3.4	3.4.1.3	2300051651	948	122	46.8	22	5.6	22.1	3.9	123	86.2	69.96	75.45	1	0	0	0	0	5.49	7.281048936
7240	03/01/2021	3	3.4	3.4.1.3	2300048079	955	20	20.1	32	1.4	20.2	1	45	20.2	45.09	75.50	1	1	1	1	1	30.41	40.27750972
7241	03/01/2021	3	3.4	3.4.1.3	2300048282	825	89	62.8	32	6.2	15.3	5.4	198	82.6	41.64	74.67	1	1	1	1	1	33.02	44.22743262
7242	03/01/2021	3	3.4	3.4.1.3	2300052851	518	18	20.4	32	1.9	18.9	1.4	61	26.5	43.52	72.70	1	1	1	1	1	29.18	40.13890164
7243	03/01/2021	3	3.4	3.4.1.3	2300053200	580	46	40.1	22	4.5	12.3	3.3	99	40.6	41.00	73.10	1	1	1	1	1	32.10	43.91091412
7244	03/01/2021	3	3.4	3.4.1.3	2300053136	995	23	28.5	28	4.3	11.5	3.1	120	35.7	29.61	75.75	1	1	1	1	1	46.14	60.91343751

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7245	03/01/2021	3	3.4	3.4.1.3	2300052408	822	47	35.2	30	5.01	13.4	4.07	150	54.5	36.29	74.65	1	1	1	1	1	38.36	51.38961821
7246	03/01/2021	3	3.4	3.4.1.3	2300048193	838	82	41.7	31	5.2	18.2	3.7	161	67.3	41.77	74.75	1	1	1	1	1	32.98	44.11419313
7247	03/01/2021	3	3.4	3.4.1.3	2300048177	835	47	41.2	22	4.6	12.1	3.5	101	42.4	41.85	74.73	1	1	1	1	1	32.88	44.00130324
7248	03/01/2021	3	3.4	3.4.1.3	2300048255	847	48	34.2	30	5.2	13.1	4.2	156	55.0	35.27	74.81	1	1	1	1	1	39.54	52.85290807
7249	03/01/2021	3	3.4	3.4.1.3	2300048189	854	36	28.3	30	5.2	11.9	3.7	156	44.0	28.22	74.85	1	1	1	1	1	46.63	62.29291161
7250	03/01/2021	3	3.4	3.4.1.3	2300047052	831	69	35.8	31	5.9	13.8	4.9	183	67.6	36.97	74.70	1	1	1	1	1	37.73	50.51024783
7251	03/01/2021	3	3.4	3.4.1.3	2300048131	886	25	35.9	19	3.6	9.4	2.6	68	24.4	35.73	75.06	1	1	1	1	1	39.33	52.39447382
7252	03/01/2021	3	3.4	3.4.1.3	2300047337	881	63	34.8	31	6.05	13.5	4.8	188	64.8	34.55	75.02	1	1	1	1	1	40.47	53.94726721
7253	03/01/2021	3	3.4	3.4.1.3	2300047217	885	35	28.6	30	4.8	11.7	3.6	144	42.1	29.25	75.05	1	1	1	1	1	45.80	61.02598268
7254	03/01/2021	3	3.4	3.4.1.3	2300046968	867	96	44.7	30	5.5	19.7	3.9	165	76.8	46.56	74.93	1	1	1	1	1	28.37	37.86113213
7255	03/01/2021	3	3.4	3.4.1.3	2300048205	871	41	33	30	4.5	22.4	3.5	135	78.4	58.07	74.96	1	1	1	1	0	16.89	22.52699549
7256	03/01/2021	3	3.4	3.4.1.3	2300047354	616	130	61.5	30	6.1	22.4	5.3	183	118.7	64.87	73.33	1	1	0	0	0	8.45	11.52907067
7257	03/01/2021	3	3.4	3.4.1.3	2300048139	880	82	39.9	32	6.3	14.8	5.4	202	79.9	39.64	75.02	1	1	1	1	1	35.38	47.15553981
7258	03/01/2021	3	3.4	3.4.1.3	2300046995	889	113	50.3	31	5.9	20.2	4.7	183	94.9	51.91	75.08	1	1	1	1	1	23.17	30.85883226
7259	03/01/2021	3	3.4	3.4.1.3	2300047314	869	89	62	21	6.2	14.9	5.5	130	82.0	62.94	74.95	1	1	1	0	0	12.01	16.01915436
7260	03/01/2021	3	3.4	3.4.1.1	2300048481	847	22	24.7	30	3.8	11.6	2.6	114	30.2	26.46	74.81	1	1	1	1	1	48.35	64.63404349
7261	03/01/2021	3	3.4	3.4.1.1	2300047569	890	87	42	32	6.2	15.23	5.5	198	83.8	42.22	75.08	1	1	1	1	1	32.86	43.76779775
7262	03/01/2021	3	3.4	3.4.1.1	2300053079	989	65	32.4	30	6.1	12.5	4.8	183	60.0	32.79	75.72	1	1	1	1	1	42.93	56.69731833
7263	03/01/2021	3	3.4	3.4.1.1	2300048150	960	58	32.6	29	5.6	13	4.2	162	54.6	33.62	75.53	1	1	1	1	1	41.91	55.48697252
7264	03/01/2021	3	3.4	3.4.1.1	2300047517	1007	7	5.9	26	5.7	12.4	4.5	148	55.8	37.65	75.83	1	1	1	1	1	38.18	50.34758718
7265	03/01/2021	3	3.4	3.4.1.1	2300043367	1009	77	36.2	32	6.2	14.3	5.1	198	72.9	36.76	75.84	1	1	1	1	1	39.08	51.53305937
7266	03/01/2021	3	3.4	3.4.1.1	2300053081	867	77	50.8	22	6.4	13.6	5.3	141	72.1	51.19	74.93	1	1	1	1	1	23.74	31.68303403
7267	03/01/2021	3	3.4	3.4.1.1	2300048251	529	57	30.3	31	5.6	12.9	4.3	174	55.5	31.95	72.77	1	1	1	1	1	40.82	56.09171026
7268	03/01/2021	3	3.4	3.4.1.1	2300048252	530	54	29.3	30	5.5	12	4.2	165	50.4	30.55	72.78	1	1	1	1	1	42.23	58.02927458
7269	03/01/2021	3	3.4	3.4.1.1	2300046802	983	52	29.1	31	5.4	11.8	4.8	167	56.6	33.84	75.68	1	1	1	1	1	41.84	55.2901991
7270	03/01/2021	3	3.4	3.4.1.1	2300048182	996	63	36	30	5.9	14.4	4.7	177	67.7	38.24	75.76	1	1	1	1	1	37.52	49.52866123
7271	03/01/2021	3	3.4	3.4.1.1	2300052404	992	65	39.4	25	5.9	12.7	4.8	148	61.0	41.33	75.73	1	1	1	1	1	34.41	45.42956004
7272	03/01/2021	3	3.4	3.4.1.1	2300048260	997	86	36.8	30	6.9	14	5.7	207	79.8	38.55	75.77	1	1	1	1	1	37.22	49.11923872
7273	03/01/2021	3	3.4	3.4.1.1	2300048130	989	118	49.2	30	6.9	21.6	5.04	207	108.9	52.59	75.72	1	1	1	1	1	23.12	30.54099241
7274	03/01/2021	3	3.4	3.4.1.1	2300047176	1027	92	38.2	31	6.9	19.5	4.3	214	83.9	39.20	75.96	1	1	1	1	1	36.76	48.39233768

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7275	03/01/2021	3	3.4	3.4.1.1	2300047180	974	78	56	31	6.4	14	5.2	198	72.8	36.69	75.62	1	1	1	1	1	38.93	51.47614059
7276	03/01/2021	3	3.4	3.4.1.1	2300048261	947	126	53	31	6.4	21	5.2	198	109.2	55.04	75.45	1	1	1	1	1	20.41	27.04750555
7277	03/01/2021	3	3.4	3.4.1.1	2300046696	941	77	50.7	21	3.5	13.9	2.7	74	37.5	51.06	75.41	1	1	1	1	1	24.35	32.28708673
7278	03/01/2021	3	3.4	3.4.1.1	-	996	93	39.1	31	6	14.5	5.9	186	85.6	45.99	75.76	1	1	1	1	1	29.77	39.28936007
7279	03/01/2021	3	3.4	3.4.1.1	2300048262	762	26	29.2	20	5	6	5.03	100	30.2	30.18	74.26	1	1	1	1	1	44.08	59.36054121
7280	03/01/2021	3	3.4	3.4.1.1	2300048263	753	16	70.1	30	2.9	23.7	2.6	87	61.6	70.83	74.21	0	0	0	0	0	3.38	4.551721164
7281	03/01/2021	3	3.4	3.4.1.1	2300048148	590	39	34.2	31	4.8	14	3.8	149	53.2	35.75	73.16	1	1	1	1	1	37.41	51.13216127
7282	03/01/2021	3	3.4	3.4.1.1	2300047342	770	116	25.9	30	3.7	11.8	2.4	111	28.3	25.51	74.31	1	1	1	1	1	48.80	65.66795824
7283	03/01/2021	3	3.4	3.4.1.1	2300050588	725	28	32.6	32	5.05	13.5	3.8	162	51.3	31.75	74.03	1	1	1	1	1	42.28	57.11635168
7284	03/01/2021	3	3.2	3.2.5.2	vspl22011012490020	717	11	31.1	31	4.1	12.6	3.2	127	40.3	31.72	73.97	1	1	1	1	1	42.25	57.11640624
7285	03/01/2021	3	3.2	3.2.5.2	vspl22011012480022	544	17	32.7	32	4.4	13.7	3.3	141	45.2	32.11	72.87	1	1	1	1	1	40.76	55.9346335
7286	03/01/2021	3	3.2	3.2.5.2	vspl22011012078088	712	14	28.3	32	3.7	11.9	2.8	118	33.3	28.14	73.94	1	1	1	1	1	45.80	61.94099778
7287	03/01/2021	3	3.2	3.2.5.2	vspl22011012981570	608	64	51.4	25	4.1	14.4	3.6	103	51.8	50.58	73.28	1	1	1	1	1	22.70	30.98042808
7288	03/01/2021	3	3.2	3.2.5.2	vspl22011012981571	701	69	31.9	32	4.3	18	2.4	138	43.2	31.40	73.87	1	1	1	1	1	42.48	57.50057012
7289	03/01/2021	3	3.2	3.2.5.2	vspl22011012480025	729	19	31.2	33	4.8	12.6	3.7	158	46.6	29.43	74.05	1	1	1	1	1	44.62	60.25498682
7290	03/01/2021	3	3.2	3.2.5.2	vspl22011012078087	722	82	53.9	21	5.1	14	4.2	107	58.8	54.90	74.01	1	1	1	1	1	19.10	25.8149781
7291	03/01/2021	3	3.2	3.2.5.2	vspl22011012981560	712	90	40.5	32	4.7	18.8	3.2	150	60.2	40.00	73.94	1	1	1	1	1	33.94	45.9041313
7292	03/01/2021	3	3.2	3.2.5.2	vspl22011012078084	705	61	47.8	21	4.3	13	3.3	90	42.9	47.51	73.90	1	1	1	1	1	26.39	35.71097236
7293	03/01/2021	3	3.2	3.2.5.2	vspl22011012479995	691	25	35.7	21	4.2	13.6	3.5	88	47.6	53.97	73.81	1	1	1	1	1	19.84	26.88060713
7294	03/01/2021	3	3.2	3.2.5.2	vspl22011012981011	687	136	43.6	31	4.4	22.4	3.3	136	73.9	54.19	73.78	1	1	1	1	1	19.59	26.54988915
7295	03/01/2021	3	3.2	3.2.5.2	vspl22011012178545	682	80	58.6	21	4	14.5	3.5	84	50.8	60.42	73.75	1	1	1	0	0	13.33	18.07998467
7296	03/01/2021	3	3.2	3.2.5.2	vspl22011012078076	665	35	38.6	31	4.4	14.3	3.7	136	52.9	38.79	73.64	1	1	1	1	1	34.85	47.325816
7297	03/01/2021	3	3.2	3.2.5.2	vspl22011012981702	667	56	47.9	21	4.1	12.5	3.2	86	40.0	46.46	73.65	1	1	1	1	1	27.20	36.92521406

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7298	03/01/2021	3	3.2	3.2.5.2	vspl22011011275074	666	96	41.4	31	4.4	18.8	3.05	136	57.3	42.04	73.65	1	1	1	1	1	31.61	42.92052079
7299	03/01/2021	3	3.2	3.2.5.2	vspl22011012987541	706	16	20.4	30	2.4	20.2	2.1	72	42.4	58.92	73.90	1	1	1	1	0	14.99	20.27989312
7300	03/01/2021	3	3.2	3.2.5.2	vspl22011012981575	668	56	44.1	28	4.6	15.1	3.9	129	58.9	45.72	73.66	1	1	1	1	1	27.94	37.92926305
7301	03/01/2021	3	3.2	3.2.5.2	vspl220110120	668	47	42.7	31	4	12.5	3.04	124	38.0	30.65	73.66	1	1	1	1	1	43.02	58.39714627
7302	03/01/2021	3	3.2	3.2.5.2	vspl22011012981577	661	34	36.2	31	4.4	14.8	3.3	136	48.8	35.81	73.62	1	1	1	1	1	37.81	51.36076796
7303	03/01/2021	3	3.2	3.2.5.2	vspl22011011275071	657	113	47.8	30	4.02	21	2.8	121	58.8	48.76	73.59	1	1	1	1	1	24.83	33.74685571
7304	03/01/2021	3	3.2	3.2.5.2	vspl22011011275073	652	70	49.8	23	4.1	14.2	3.3	94	46.9	49.69	73.56	1	1	1	1	1	23.87	32.44523995
7305	03/01/2021	3	3.2	3.2.5.2	vspl22011012972708	633	26	39	30	4.2	14.4	3.6	126	51.8	41.14	73.44	1	1	1	1	1	32.29	43.97545502
7306	03/01/2021	3	3.2	3.2.5.2	vspl22011012078090	632	20	35.9	30	4.3	11	3.4	129	37.4	28.99	73.43	1	1	1	1	1	44.44	60.51759199
7307	03/01/2021	3	3.2	3.2.5.2	vspl22011011576536	635	71	39.3	30	3.9	17.4	2.7	117	47.0	40.15	73.45	1	1	1	1	1	33.30	45.3317275
7308	03/01/2021	3	3.2	3.2.5.1	2300051015	632	29	37.4	30	4.2	14.2	3.4	126	48.3	38.32	73.43	1	1	1	1	1	35.11	47.81827201
7309	03/01/2021	3	3.2	3.2.5.1	2300027092	629	97	43	30	4.2	19.2	3	126	57.6	45.71	73.41	1	1	1	1	1	27.70	37.72879802
7310	03/01/2021	3	3.2	3.2.5.1	vspl22011020282643	568	17	36	31	3.3	13.1	2.6	102	34.1	33.29	73.02	1	1	1	1	1	39.73	54.4047035
7311	03/01/2021	3	3.2	3.2.5.1	vspl	605	12	13.3	31	0.6	7.41	0.3	19	2.2	11.95	73.26	1	1	1	1	1	61.31	83.68558669
7312	03/01/2021	3	3.2	3.2.5.1	vspl	610	42	32.4	27	4.1	12.3	3.1	111	38.1	34.44	73.29	1	1	1	1	1	38.85	53.0025318
7313	03/01/2021	3	3.2	3.2.5.1	vspl	626	46	44	20	3.9	12	3.05	78	36.6	46.92	73.39	1	1	1	1	1	26.47	36.06548236
7314	03/01/2021	3	3.2	3.2.5.1	vspl22011012078081	628	88	43.1	31	4.2	18.7	3.1	130	58.0	44.52	73.41	1	1	1	1	1	28.88	39.34515603
7315	03/01/2021	3	3.2	3.2.5.1	vspl22011020282642	632	34	38.7	29	3.7	15	2.9	107	43.5	40.54	73.43	1	1	1	1	1	32.89	44.79082273
7316	03/01/2021	3	3.2	3.2.5.1	-	620	80	55.2	31	3.9	14.2	3.2	121	45.4	37.58	73.35	1	1	1	1	1	35.77	48.76246584
7317	03/01/2021	3	3.2	3.2.5.1	vspl22011020981701	607	108	48.5	31	4	22.2	3.03	124	67.3	54.25	73.27	1	1	1	1	1	19.02	25.96399358
7318	03/01/2021	3	3.2	3.2.5.1	vspl22011012078039	850	48	34.8	32	5	13.9	3.9	160	54.2	33.88	74.83	1	1	1	1	1	40.94	54.71995028
7319	03/01/2021	3	3.2	3.2.5.1	-	836	72	50	22	5.4	13.7	4.2	119	57.5	48.43	74.74	1	1	1	1	1	26.30	35.19310077
7320	03/01/2021	3	3.2	3.2.5.1	2300052856	848	50	33	32	5.3	13.3	4.2	170	55.9	32.94	74.81	1	1	1	1	1	41.88	55.97525469

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7321	03/01/2021	3	3.2	3.2.5.1	-	858	51	36.4	31	4.9	13.1	4.2	152	55.0	36.22	74.88	1	1	1	1	1	38.66	51.62586454
7322	03/01/2021	3	3.2	3.2.5.1	-	873	63	37.5	31	4.5	17.8	3	140	53.4	38.28	74.97	1	1	1	1	1	36.69	48.94232887
7323	03/01/2021	3	3.2	3.2.5.1	-	899	29	29.4	23	5.2	6.6	5.1	120	33.7	28.14	75.14	1	1	1	1	1	47.00	62.54463331
7324	03/01/2021	3	3.2	3.2.5.1	vspl22011012986172	869	61	32.4	31	5.01	17.8	2.8	155	49.8	32.09	74.95	1	1	1	1	1	42.86	57.18254168
7325	03/01/2021	3	3.2	3.2.5.1	-	904	37	28.5	29	5	12	3.4	145	40.8	28.14	75.17	1	1	1	1	1	47.03	62.56840212
7326	03/01/2021	3	3.2	3.2.5.1	2300052645	912	89	42.7	32	5.2	18.3	3.8	166	69.5	41.79	75.22	1	1	1	1	1	33.43	44.44388485
7327	03/01/2021	3	3.2	3.2.5.1	vspl	912	50	32.2	32	6.4	12.6	4.2	205	52.9	25.84	75.22	1	1	1	1	1	49.38	65.64892061
7328	03/01/2021	3	3.2	3.2.5.1	-	903	48	32.2	32	6.3	12.3	4.3	202	52.9	26.24	75.17	1	1	1	1	1	48.93	65.09672156
7329	03/01/2021	3	3.2	3.2.5.1	-	901	60	48.6	21	5.9	13.5	3.8	124	51.3	41.40	75.15	1	1	1	1	1	33.75	44.90613959
7330	03/01/2021	3	3.2	3.2.5.1	vspl22011011275066	991	44	33.3	30	5.3	12.4	3.9	159	48.4	30.42	75.73	1	1	1	1	1	45.31	59.83660775
7331	03/01/2021	3	3.2	3.2.5.1	-	895	57	43.7	21	4.6	12.7	3.8	97	48.3	49.96	75.11	1	1	1	1	1	25.16	33.48963957
7332	03/01/2021	3	3.2	3.2.4.4	2300050935	821	64	39	30	5.4	17.3	3.2	162	55.4	34.17	74.64	1	1	1	1	1	40.47	54.21669832
7333	03/01/2021	3	3.2	3.2.4.4	2300046960	882	58	35.4	32	5.3	13.5	4.4	170	59.4	35.02	75.03	1	1	1	1	1	40.01	53.32105628
7334	03/01/2021	3	3.2	3.2.4.4	2300050968	883	78	40	32	5.3	18.5	3.5	170	64.8	38.18	75.04	1	1	1	1	1	36.86	49.12114786
7335	03/01/2021	3	3.2	3.2.4.4	2300050839	891	62	37.4	27	5.08	14.2	4.3	137	61.1	44.52	75.09	1	1	1	1	1	30.57	40.7134098
7336	03/01/2021	3	3.2	3.2.4.4	2300050941	895	46	31.7	30	5.4	12.7	3.9	162	49.5	30.57	75.11	1	1	1	1	1	44.54	59.29643732
7337	03/01/2021	3	3.2	3.2.4.4	2300050990	896	63	37	31	4.6	13.7	4.6	143	63.0	44.19	75.12	1	1	1	1	1	30.93	41.16971104
7338	03/01/2021	3	3.2	3.2.4.4	2300050985	889	35	28.3	31	4.8	11.3	3.5	149	39.6	26.58	75.08	1	1	1	1	1	48.50	64.59661851
7339	03/01/2021	3	3.2	3.2.4.4	2300052890	930	125	52.9	32	5.9	20.8	4.5	189	93.6	49.58	75.34	1	1	1	1	1	25.76	34.19486688
7340	03/01/2021	3	3.2	3.2.4.4	2300050947	916	54	35.4	31	5.1	13.6	4.1	158	55.8	35.27	75.25	1	1	1	1	1	39.98	53.13014336
7341	03/01/2021	3	3.2	3.2.4.4	2300047210	921	102	44.3	32	5.5	20.4	3.8	176	77.5	44.05	75.28	1	1	1	1	1	31.23	41.49147116
7342	03/01/2021	3	3.2	3.2.4.4	2300047188	694	15	29	31	2.2	9.1	2.2	68	20.0	29.35	73.83	1	1	1	1	1	44.47	60.23866588
7343	03/01/2021	3	3.2	3.2.4.4	2300052955	980	80	40.3	32	6.08	15	5.2	195	78.0	40.09	75.66	1	1	1	1	1	35.57	47.01094329
7344	03/01/2021	3	3.2	3.2.4.4	2300050931	901	57	40.9	25	5.3	13	4.3	133	55.9	42.19	75.15	1	1	1	1	1	32.96	43.86249907
7345	03/01/2021	3	3.2	3.2.4.4	2300050984	912	77	36	32	5.8	18	3.7	186	66.6	35.88	75.22	1	1	1	1	1	39.34	52.29688247
7346	03/01/2021	3	3.2	3.2.4.4	2300050977	909	28	32.9	21	3.7	11	2.3	78	25.3	32.56	75.20	1	1	1	1	1	42.64	56.70269434
7347	03/01/2021	3	3.2	3.2.4.4	2300050928	909	86	37.7	32	5.7	18.1	3.8	182	68.8	37.71	75.20	1	1	1	1	1	37.50	49.85834011
7348	03/01/2021	3	3.2	3.2.4.4	2300051010	893	38	37	21	4.4	11.1	3.1	92	34.4	37.24	75.10	1	1	1	1	1	37.86	50.41322943
7349	03/01/2021	3	3.2	3.2.4.4	2300056500	886	89	67.3	21	5.8	15.8	5.6	122	88.5	72.64	75.06	0	0	0	0	0	2.41	3.214545114

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7350	03/01/2021	3	3.2	3.2.4.4	22011L0120785	897	102	43.8	31	6.9	19.9	6.2	214	123.4	57.68	75.13	1	1	1	1	0	17.45	23.22159413
7351	03/01/2021	3	3.2	3.2.4.4	2300056501	902	46	36.8	22	5.2	11.6	3.6	114	41.8	36.50	75.16	1	1	1	1	1	38.66	51.43150702
7352	03/01/2021	3	3.2	3.2.4.4	2300051045	909	84	35.8	32	5.8	19.6	3.4	186	66.6	35.91	75.20	1	1	1	1	1	39.30	52.2560457
7353	03/01/2021	3	3.2	3.2.4.4	2300051048	912	29	25.1	30	4.5	11.6	2.9	135	33.6	24.92	75.22	1	1	1	1	1	50.30	66.87371579
7354	03/01/2021	3	3.2	3.2.4.4	220110129881671	923	56	28.7	31	5.1	18	2.5	158	45.0	28.46	75.29	1	1	1	1	1	46.83	62.19711992
7355	03/01/2021	3	3.1	3.1.4.3	2300052656	933	38	32.9	31	4.9	13	3.8	152	49.4	32.52	75.36	1	1	1	1	1	42.84	56.8436783
7356	03/01/2021	3	3.1	3.1.4.3	2300052914	554	26	48.8	23	2.6	13.4	2.1	60	28.1	47.06	72.93	1	1	1	1	1	25.87	35.47809703
7357	03/01/2021	3	3.1	3.1.4.3	2300053345	541	76	52.6	20	4.7	13.6	3.8	94	51.7	54.98	72.85	1	1	1	1	0	17.87	24.52995069
7358	03/01/2021	3	3.1	3.1.4.3	2300052690	934	56	33.7	31	5.5	13.5	4.1	171	55.4	32.46	75.36	1	1	1	1	1	42.90	56.92437316
7359	03/01/2021	3	3.1	3.1.4.3	2300044514	936	40	30.3	28	4.7	11.7	3.5	132	41.0	31.12	75.38	1	1	1	1	1	44.26	58.7178198
7360	03/01/2021	3	3.1	3.1.4.3	2300052885	940	33	26.7	30	4.3	11.4	3.68	129	42.0	32.52	75.40	1	1	1	1	1	42.88	56.86993683
7361	03/01/2021	3	3.1	3.1.4.3	2300052668	974	93	43.9	31	6.1	20.3	4.1	189	83.2	44.01	75.62	1	1	1	1	1	31.61	41.79584481
7362	03/01/2021	3	3.1	3.1.4.3	2300053160	987	105	49.4	31	6.8	20.5	4.8	211	98.4	46.68	75.70	1	1	1	1	1	29.02	38.33871813
7363	03/01/2021	3	3.1	3.1.4.3	2300052669	997	34	28.3	21	5.1	6.7	4.8	107	32.2	30.03	75.77	1	1	1	1	1	45.74	60.36785082
7364	03/01/2021	3	3.1	3.1.4.3	2300052910	962	18	19.6	29	4.8	6.2	4.6	139	28.5	20.49	75.54	1	1	1	1	1	55.05	72.87828126
7365	03/01/2021	3	3.1	3.1.4.3	2300051962	954	117	44.8	29	5.9	18.2	5.08	171	92.5	54.04	75.49	1	1	1	1	1	21.46	28.42086256
7366	03/01/2021	3	3.1	3.1.4.3	2300052606	1017	44	29.8	29	5.1	11.5	4.6	148	52.9	35.77	75.89	1	1	1	1	1	40.13	52.87238334
7367	03/01/2021	3	3.1	3.1.4.3	2300043413	944	94	38.7	31	7.2	14.5	6.08	223	88.2	39.50	75.43	1	1	1	1	1	35.93	47.63427726
7368	03/01/2021	3	3.1	3.1.4.3	2300053413	989	80	35.9	30	6.7	13.5	5.5	201	74.3	36.94	75.72	1	1	1	1	1	38.78	51.21177339
7369	03/01/2021	3	3.1	3.1.4.3	2300052644	522	35	44.3	30	4.2	14.9	3.7	126	55.1	43.75	72.73	1	1	1	1	1	28.97	39.8379026
7370	03/01/2021	3	3.1	3.1.4.3	2300052609	544	49	44.4	30	4.4	15.3	4	132	61.2	46.36	72.87	1	1	1	1	1	26.50	36.37276874
7371	03/01/2021	3	3.1	3.1.4.3	2300052605	941	62	36.9	30	5.5	15	4.2	165	63.0	38.18	75.41	1	1	1	1	1	37.23	49.3666247
7372	03/01/2021	3	3.1	3.1.4.3	2300052883	668	58	46.8	20	4.6	12.6	3.5	92	44.1	47.93	73.66	1	1	1	1	1	25.73	34.92533028
7373	03/01/2021	3	3.1	3.1.4.3	2300052614	961	83	38.3	31	4.1	18.1	2.7	127	48.9	38.45	75.54	1	1	1	1	1	37.09	49.09733673
7374	03/01/2021	3	3.1	3.1.4.3	2300050652	951	30	31.9	20	2.4	20.1	3.9	48	78.4	163.31	75.47	1	1	1	1	1	-87.84	-116.3870501
7375	03/01/2021	3	3.1	3.1.4.3	2300052611	992	65	35.4	30	5.7	13.8	4.6	171	63.5	37.12	75.73	1	1	1	1	1	38.61	50.98315831
7376	03/01/2021	3	3.1	3.1.4.3	2300052615	987	64	34.6	30	5.8	12.9	4.7	174	60.6	34.84	75.70	1	1	1	1	1	40.86	53.97154717
7377	03/01/2021	3	3.1	3.1.4.3	2300048965	1036	84	46.1	30	5.2	19.2	4.1	156	78.7	50.46	76.02	1	1	1	1	1	25.55	33.6175635
7378	03/01/2021	3	3.1	3.1.4.3	2300048969	1025	89	40.6	30	6.7	14.3	5.8	201	82.9	41.26	75.95	1	1	1	1	1	34.68	45.66707714
7379	03/01/2021	3	3.1	3.1.4.2	-	1036	71	39.2	29	5.8	17.8	3.8	168	67.6	40.21	76.02	1	1	1	1	1	35.80	47.09821707

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7380	03/01/2021	3	3.1	3.1.4.2	-	1014	80	46.9	20	6.5	14.4	5.3	130	76.3	58.71	75.88	1	1	1	1	0	17.17	22.62638805
7381	03/01/2021	3	3.1	3.1.4.2	-	715	40	25.9	29	4.6	11.4	3.1	133	35.3	26.49	73.96	1	1	1	1	1	47.47	64.18193921
7382	03/01/2021	3	3.1	3.1.4.2	2300052654	702	20	34.8	28	4.3	12.5	3.5	120	43.8	36.34	73.88	1	1	1	1	1	37.54	50.81510622
7383	03/01/2021	3	3.1	3.1.4.2	2300052912	700	44	28.3	29	4.8	12	3.5	139	42.0	30.17	73.87	1	1	1	1	1	43.69	59.15250075
7384	03/01/2021	3	3.1	3.1.4.2	2300050815	990	64	49.9	30	6.82	12.8	4.8	205	61.4	30.03	75.72	1	1	1	1	1	45.69	60.34266724
7385	03/01/2021	3	3.1	3.1.4.2	-	550	92	46.5	29	3.8	18.7	2.8	110	52.4	47.51	72.91	1	1	1	1	1	25.39	34.8289419
7386	03/01/2021	3	3.1	3.1.4.2	2300050419	1061	134	54	31	7.8	22	6.2	242	136.4	56.41	76.18	1	1	1	1	1	19.77	25.94785733
7387	03/01/2021	3	3.1	3.1.4.2	2300052073	1089	97	39.2	31	7.2	14.7	6.1	223	89.7	40.17	76.36	1	1	1	1	1	36.18	47.38469584
7388	03/01/2021	3	3.1	3.1.4.2	-	1064	116	50	31	7.2	20	5.7	223	114.0	51.08	76.20	1	1	1	1	1	25.12	32.96821756
7389	03/01/2021	3	3.1	3.1.4.2	-	1089	77	34.1	30	6.5	13.3	5.2	195	69.2	35.47	76.36	1	1	1	1	1	40.89	53.55066732
7390	03/01/2021	3	3.1	3.1.4.2	2300052915	777	13	31.9	29	3.9	12.4	3.02	113	37.4	33.11	74.36	1	1	1	1	1	41.25	55.47195266
7391	03/01/2021	3	3.1	3.1.4.2	2300053417	1054	89	38.5	30	6.9	14	5.8	207	81.2	39.23	76.13	1	1	1	1	1	36.90	48.47467656
7392	03/01/2021	3	3.1	3.1.4.2	2300050647	1044	61	28.6	30	6.06	11.6	4.6	182	53.4	29.35	76.07	1	1	1	1	1	46.72	61.4146692
7393	03/01/2021	3	3.1	3.1.4.2	2300052911	693	88	48.7	20	6.1	13.1	4.8	122	62.9	51.54	73.82	1	1	1	1	1	22.28	30.18132514
7394	03/01/2021	3	3.1	3.1.4.2	2300052876	1084	57	29.4	30	6.3	16.3	3.5	189	57.1	30.19	76.32	1	1	1	1	1	46.14	60.45104635
7395	03/01/2021	3	3.1	3.1.4.2	-	1008	33	178	30	4.4	6	4.1	132	24.6	18.64	75.84	1	1	1	1	1	57.20	75.42582844
7396	03/01/2021	3	3.1	3.1.4.2	2300050755	1090	70	44.3	24	6.2	13.5	5.7	149	77.0	51.71	76.36	1	1	1	1	1	24.65	32.27821472
7397	03/01/2021	3	3.1	3.1.4.2	-	586	62	33.8	29	5.6	12.6	4.7	162	59.2	36.47	73.14	1	1	1	1	1	36.67	50.14039898
7398	03/01/2021	3	3.1	3.1.4.2	-	998	138	58.9	32	8.1	23.5	6.5	259	152.8	58.93	75.77	1	1	1	1	0	16.84	22.22668812
7399	03/01/2021	3	3.1	3.1.4.2	-	1035	89	36.9	30	2.4	14.8	6.1	72	90.3	125.39	76.01	1	1	1	1	1	-49.38	-64.96367437
7400	03/01/2021	3	3.1	3.1.4.2	2300050643	625	93	57.5	21	4.1	14.8	3.4	86	50.3	58.44	73.39	1	1	1	1	0	14.94	20.36128124
7401	03/01/2021	3	3.1	3.1.4.2	-	1088	100	47.9	32	6.6	20.1	5.1	211	102.5	48.54	76.35	1	1	1	1	1	27.81	36.42771395
7402	03/01/2021	3	3.1	3.1.4.1	2300052496	703	10	46.1	31	6.7	20.7	4.5	208	93.2	44.85	73.89	1	1	1	1	1	29.04	39.29996948
7403	03/01/2021	3	3.1	3.1.4.1	2300050258	1025	80	50	22	6.7	14.5	5.3	147	76.9	52.14	75.95	1	1	1	1	1	23.81	31.34985113
7404	03/01/2021	3	3.1	3.1.4.1	2300053398	1018	19	42.6	12	3.3	7.5	2.4	40	18.0	45.45	75.90	1	1	1	1	1	30.45	40.11353516
7405	04/01/2021	3	3.1	3.1.4.1	2300052662	1014	127	57	31	6.7	23.3	5.2	208	121.2	58.33	75.88	1	1	1	1	0	17.54	23.11871567
7406	04/01/2021	3	3.1	3.1.4.1	2300050250	989	45	25	30	5.5	11.8	3.6	165	42.5	25.75	75.72	1	1	1	1	1	49.97	65.99715971
7407	04/01/2021	3	3.1	3.1.4.1	2300052913	996	47	26.4	30	5.4	11.5	3.9	162	44.9	27.69	75.76	1	1	1	1	1	48.08	63.45691788
7408	04/01/2021	3	3.1	3.1.4.1	2300052893	995	49	24	30	6.2	11.7	3.9	186	45.6	24.53	75.75	1	1	1	1	1	51.22	67.61589082
7409	04/01/2021	3	3.1	3.1.4.1	2300052693	993	59	26.9	31	5.7	11.5	4.1	177	47.2	26.68	75.74	1	1	1	1	1	49.06	64.76997381

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7410	04/01/2021	3	3.1	3.1.4.1	2300052494	997	26	24.2	21	4.6	6	4.09	97	24.5	25.40	75.77	1	1	1	1	1	50.36	66.47116322
7411	04/01/2021	3	3.1	3.1.4.1	-	989	57	8.5	30	6.1	11.5	4.7	183	54.1	29.54	75.72	1	1	1	1	1	46.18	60.99150092
7412	04/01/2021	3	3.1	3.1.4.1	2300052653	1009	60	31.8	29	5.9	12	4.6	171	55.2	32.26	75.84	1	1	1	1	1	43.58	57.46267954
7413	04/01/2021	3	3.1	3.1.4.1	2300050123	1017	65	32.6	30	6.1	17.8	3.5	183	62.3	34.04	75.89	1	1	1	1	1	41.85	55.14354627
7414	04/01/2021	3	3.1	3.1.4.1	2300052612	1003	65	33.2	29	6.1	13.3	4.6	177	61.2	34.58	75.81	1	1	1	1	1	41.22	54.37712581
7415	04/01/2021	3	3.1	3.1.4.1	2300053396	1004	24	20.9	29	3.6	9.6	2.3	104	22.1	21.15	75.81	1	1	1	1	1	54.66	72.10265278
7416	04/01/2021	3	3.1	3.1.4.1	2300048790	993	48	28	29	5.4	11.7	3.9	157	45.6	29.14	75.74	1	1	1	1	1	46.60	61.52961528
7417	04/01/2021	3	3.1	3.1.4.1	2300052963	1003	64	32.1	30	5.9	13	4.6	177	59.8	33.79	75.81	1	1	1	1	1	42.02	55.43140743
7418	04/01/2021	3	3.1	3.1.4.1	2300048963	1008	51	27.1	30	5.6	11.7	4.05	168	47.4	28.21	75.84	1	1	1	1	1	47.63	62.80801883
7419	04/01/2021	3	3.1	3.1.4.1	2300053397	986	89	36.6	30	7.2	15.9	6.6	216	104.9	48.58	75.70	1	1	1	1	1	27.11	35.81817189
7420	04/01/2021	3	3.1	3.1.4.1	2300053411	987	82	40.5	30	6.7	14	5.7	201	79.8	39.70	75.70	1	1	1	1	1	36.00	47.55611082
7421	04/01/2021	3	3.1	3.1.4.1	2300052759	671	62	47.5	21	5.6	13.8	4.3	118	59.3	50.46	73.68	1	1	1	1	1	23.22	31.51613771
7422	04/01/2021	3	3.1	3.1.4.1	2300053404	654	85	53.6	22	6.3	14.8	5.08	139	75.2	54.25	73.57	1	1	1	1	1	19.33	26.26868215
7423	04/01/2021	3	3.1	3.1.4.1	-	909	20	22.4	30	2.4	13.3	1.5	72	20.0	27.71	75.20	1	1	1	1	1	47.50	63.15557589
7424	04/01/2021	3	3.1	3.1.4.1	2300053412	862	97	54.7	23	5.8	15.4	5.06	133	77.9	58.41	74.90	1	1	1	1	0	16.49	22.01387251
7425	04/01/2021	3	3.1	3.1.4.1	2300057692	889	58	46.1	21	5.6	12.2	4.5	118	54.9	46.68	75.08	1	1	1	1	1	28.39	37.81778172
7426	04/01/2021	5	5.3	5.3.6.2	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
7427	04/01/2021	5	5.3	5.3.6.2	NA	926	30	26.4	18	5.1	21	5.6	92	117.6	128.10	75.31	1	1	1	1	1	-52.79	-70.09758707
7428	04/01/2021	5	5.3	5.3.6.2	2300050676	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
7429	04/01/2021	5	5.3	5.3.7.1	2300050033	820	29	30.2	32	6.4	24	4.6	205	110.4	53.91	74.63	1	1	1	1	1	20.73	27.77252995
7430	04/01/2021	5	5.3	5.3.7.1	2300050572	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
7431	04/01/2021	5	5.3	5.3.7.1	2300050307	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
7432	04/01/2021	5	5.3	5.3.7.1	2300040310	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
7433	04/01/2021	5	5.3	5.3.7.2	NA	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
7434	04/01/2021	5	5.3	5.3.7.2	NA	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
7435	04/01/2021	5	5.3	5.3.7.2	NA	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
7436	04/01/2021	5	5.3	5.3.7.2	NA	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
7437	04/01/2021	5	5.3	5.3.7.3	2300053119	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
7438	04/01/2021	5	5.3	5.3.7.3	2300050474	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
7439	04/01/2021	5	5.3	5.3.7.3	NA	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7440	04/01/2021	5	5.3	5.3.7.3	NA	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
7441	04/01/2021	5	5.3	5.3.7.4	2300030114	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
7442	04/01/2021	5	5.3	5.3.7.4	2300042615	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
7443	04/01/2021	5	5.3	5.3.7.4	2300065446	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
7444	04/01/2021	5	5.4	5.4.1.1	2300045354	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
7445	04/01/2021	5	5.4	5.4.1.1	2300041559	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
7446	04/01/2021	5	5.4	5.4.1.1	NA	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
7447	04/01/2021	5	5.4	5.4.1.1	2300051080	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
7448	04/01/2021	5	5.4	5.4.1.2	2300045937	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
7449	04/01/2021	5	5.4	5.4.1.2	2300057480	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
7450	04/01/2021	5	5.4	5.4.1.2	2300051235	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
7451	04/01/2021	5	5.4	5.4.1.3	2300051544	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
7452	04/01/2021	5	5.4	5.4.1.3	2300052255	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
7453	04/01/2021	5	5.4	5.4.1.3	2300051265	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
7454	04/01/2021	5	5.4	5.4.1.4	2300057946	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
7455	04/01/2021	5	5.4	5.4.1.4	2300057870	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
7456	04/01/2021	5	5.4	5.4.1.4	2300050506	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
7457	04/01/2021	5	5.4	5.4.1.4	2300051330	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
7458	04/01/2021	5	5.4	5.4.1.4	2300051241	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
7459	04/01/2021	5	5.4	5.4.2.1	2300046171	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
7460	04/01/2021	5	5.4	5.4.2.1	2300051365	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
7461	04/01/2021	5	5.4	5.4.2.1	2300051335	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
7462	04/01/2021	5	5.4	5.4.2.2	2300051339	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
7463	04/01/2021	5	5.4	5.4.2.2	2300051332	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
7464	04/01/2021	5	5.4	5.4.2.2	2300042991	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
7465	04/01/2021	5	5.4	5.4.2.2	2300052195	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
7466	04/01/2021	5	5.4	5.4.2.2	2300051543	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
7467	04/01/2021	5	5.4	5.4.2.2	2300051447	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
7468	04/01/2021	5	5.4	5.4.2.2	2300046080	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
7469	04/01/2021	5	5.4	5.4.2.2	2300052076	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7470	04/01/2021	5	5.4	5.4.2.3	2300042483	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
7471	04/01/2021	5	5.4	5.4.2.3	2300029394	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
7472	04/01/2021	5	5.4	5.4.2.3	2300032061	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
7473	04/01/2021	5	5.4	5.4.2.3	2300031147	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
7474	04/01/2021	5	5.4	5.4.2.4	2300051238	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
7475	04/01/2021	5	5.4	5.4.2.4	2300051101	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
7476	04/01/2021	5	5.4	5.4.2.4	2300052179	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
7477	04/01/2021	5	5.4	5.4.2.4	2300051208	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
7478	04/01/2021	5	5.4	5.4.2.4	2300054886	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
7479	04/01/2021	5	5.4	5.4.2.4	2300051481	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
7480	04/01/2021	5	5.4	5.4.3.1	NA	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
7481	04/01/2021	5	5.4	5.4.3.2	2300043542	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
7482	04/01/2021	5	5.4	5.4.3.2	2300043632	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
7483	04/01/2021	5	5.4	5.4.3.2	2300043629	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
7484	04/01/2021	5	5.4	5.4.3.2	2300043453	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
7485	04/01/2021	5	5.4	5.4.3.4	2300043008	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
7486	04/01/2021	5	5.4	5.4.3.4	2300043638	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
7487	04/01/2021	5	5.4	5.4.3.4	NA	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
7488	04/01/2021	5	5.4	5.4.4.1	2300040114	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
7489	04/01/2021	5	5.4	5.4.4.1	2300043202	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
7490	04/01/2021	5	5.4	5.4.4.1	2300051800	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
7491	04/01/2021	5	5.4	5.4.4.2	2300051430	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
7492	04/01/2021	5	5.4	5.4.4.2	2300047471	703	26	20.4	31	5	24	4.1	155	98.4	63.48	73.89	1	1	0	0	0	10.40	14.07768949
7493	04/01/2021	5	5.4	5.4.4.2	2300051811	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
7494	04/01/2021	5	5.4	5.4.4.2	2300048223	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
7495	04/01/2021	5	5.4	5.4.4.2	2300043526	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
7496	04/01/2021	5	5.4	5.4.4.3	2300041500	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
7497	04/01/2021	5	5.4	5.4.4.3	2300041227	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
7498	04/01/2021	5	5.4	5.4.4.4	2300048212	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
7499	04/01/2021	5	5.4	5.4.4.4	2300052189	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7500	04/01/2021	5	5.4	5.4.5.1	2300057065	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
7501	04/01/2021	5	5.4	5.4.5.1	2300056975	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
7502	04/01/2021	5	5.4	5.4.5.2	2300057014	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
7503	04/01/2021	5	5.4	5.4.5.2	NA	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
7504	04/01/2021	5	5.4	5.4.5.2	2300056908	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
7505	04/01/2021	5	5.4	5.4.5.3	NA	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
7506	04/01/2021	5	5.4	5.4.5.3	NA	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
7507	04/01/2021	5	5.4	5.4.5.3	2300043373	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
7508	04/01/2021	5	5.4	5.4.5.3	2300043608	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
7509	04/01/2021	5	5.4	5.4.5.3	NA	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
7510	04/01/2021	5	5.4	5.4.5.3	NA	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
7511	04/01/2021	5	5.4	5.4.5.3	NA	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
7512	04/01/2021	5	5.4	5.4.5.3	NA	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
7513	04/01/2021	5	5.4	5.4.5.3	NA	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
7514	04/01/2021	5	5.4	5.4.5.3	NA	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
7515	04/01/2021	5	5.4	5.4.5.3	NA	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
7516	04/01/2021	5	5.4	5.4.5.3	NA	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
7517	04/01/2021	5	5.4	5.4.5.3	NA	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
7518	04/01/2021	5	5.4	5.4.5.3	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
7519	04/01/2021	5	5.4	5.4.5.3	NA	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
7520	04/01/2021	5	5.4	5.4.5.3	NA	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
7521	04/01/2021	5	5.4	5.4.5.3	NA	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
7522	04/01/2021	5	5.4	5.4.5.3	NA	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
7523	04/01/2021	5	5.4	5.4.5.3	NA	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
7524	04/01/2021	5	5.4	5.4.5.3	NA	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
7525	04/01/2021	5	5.4	5.4.5.3	2300042950	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
7526	04/01/2021	5	5.4	5.4.5.3	2300042158	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
7527	04/01/2021	5	5.4	5.4.5.3	2300042538	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
7528	04/01/2021	5	5.4	5.4.5.3	NA	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
7529	04/01/2021	5	5.4	5.4.5.4	NA	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7530	04/01/2021	5	5.5	5.5.2.1	2300043032	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
7531	04/01/2021	5	5.5	5.5.2.1	NA	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
7532	04/01/2021	5	5.5	5.5.2.1	2300043074	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
7533	04/01/2021	5	5.5	5.5.2.1	2300043264	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
7534	04/01/2021	5	5.5	5.5.2.2	NA	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
7535	04/01/2021	5	5.5	5.5.2.2	2300040607	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
7536	04/01/2021	5	5.5	5.5.2.2	2300039941	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
7537	04/01/2021	5	5.5	5.5.2.2	2300042858	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
7538	04/01/2021	5	5.5	5.5.3.1	2300043486	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
7539	04/01/2021	5	5.5	5.5.3.1	2300043284	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
7540	04/01/2021	5	5.5	5.5.3.1	2300043307	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
7541	04/01/2021	5	5.5	5.5.3.2	2300039931	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
7542	04/01/2021	5	5.5	5.5.3.2	NA	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
7543	04/01/2021	5	5.5	5.5.3.3	2300039962	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
7544	04/01/2021	5	5.5	5.5.3.3	2300043310	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
7545	04/01/2021	5	5.5	5.5.3.3	2300043309	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
7546	04/01/2021	5	5.5	5.5.3.3	2300043286	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
7547	04/01/2021	5	5.5	5.5.3.4	2300043031	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
7548	04/01/2021	5	5.5	5.5.3.4	2300043455	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
7549	04/01/2021	5	5.5	5.5.3.4	2300040636	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
7550	04/01/2021	5	5.5	5.5.3.4	2300043386	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
7551	04/01/2021	5	5.5	5.5.5.1	2300045196	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
7552	04/01/2021	3	3.1	3.1.1.1	-	1020	86	39.1	32	7.1	15.3	5.9	227	90.3	39.73	75.91	1	1	1	1	1	36.18	47.66246794
7553	04/01/2021	3	3.1	3.1.1.1	2300052799	651	42	52.7	19	3.02	13.1	2.3	57	30.1	52.51	73.55	1	1	1	1	1	21.04	28.60928369
7554	04/01/2021	3	3.1	3.1.1.1	-	1010	89	34.3	31	6.7	13.4	5.5	208	73.7	35.48	75.85	1	1	1	1	1	40.37	53.21836392
7555	04/01/2021	3	3.1	3.1.1.1	2300052786	1009	60	30.8	30	5.9	12.4	4.5	177	55.8	31.53	75.84	1	1	1	1	1	44.32	58.43364011
7556	04/01/2021	3	3.1	3.1.1.1	-	1006	122	53.5	31	6.7	21.9	5.2	208	113.9	54.83	75.82	1	1	1	1	1	21.00	27.6893976
7557	04/01/2021	3	3.1	3.1.1.1	2300052886	1000	33	37.5	19	4.2	10.8	2.9	80	31.3	39.25	75.79	1	1	1	1	1	36.54	48.21191209
7558	04/01/2021	3	3.1	3.1.1.1	-	889	71	34.2	30	6.3	13.5	4.9	189	66.2	35.00	75.08	1	1	1	1	1	40.08	53.38032596
7559	04/01/2021	3	3.1	3.1.1.1	-	975	62	35.7	27	5.8	12.8	4.6	157	58.9	37.60	75.63	1	1	1	1	1	38.03	50.28300017

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7560	04/01/2021	3	3.1	3.1.1.1	2300047918	844	40	40.5	19	4.3	11.2	3.3	82	37.0	45.24	74.79	1	1	1	1	1	29.55	39.51045616
7561	04/01/2021	3	3.1	3.1.1.1	2300047923	669	90	45.9	30	5.7	19.1	4.3	171	82.1	48.03	73.67	1	1	1	1	1	25.64	34.802763
7562	04/01/2021	3	3.1	3.1.1.1	-	980	67	47.6	21	6.08	12.8	4.8	128	61.4	48.12	75.66	1	1	1	1	1	27.54	36.39760402
7563	04/01/2021	3	3.1	3.1.1.1	2300052789	984	70	32.5	30	6.9	12.4	5.3	207	65.7	31.75	75.68	1	1	1	1	1	43.93	58.05063148
7564	04/01/2021	3	3.1	3.1.1.1	-	990	59	35.3	30	6	13.4	4.8	180	64.3	35.73	75.72	1	1	1	1	1	39.99	52.8098395
7565	04/01/2021	3	3.1	3.1.1.1	2300053464	984	74	38.4	30	5.8	17	3.8	174	64.6	37.13	75.68	1	1	1	1	1	38.56	50.94520242
7566	04/01/2021	3	3.1	3.1.1.1	2300053463	1034	51	26.8	30	5.6	11.3	4.1	168	46.3	27.58	76.00	1	1	1	1	1	48.43	63.71569116
7567	04/01/2021	3	3.1	3.1.1.1	2300053458	1019	60	29.4	30	6.08	11.7	4.7	182	55.0	30.15	75.91	1	1	1	1	1	45.76	60.28325712
7568	04/01/2021	3	3.1	3.1.1.1	2300053455	1034	46	35.5	23	5.3	10.9	3.9	122	42.5	34.87	76.00	1	1	1	1	1	41.13	54.11684894
7569	04/01/2021	3	3.1	3.1.1.1	2300053414	993	63	28.8	30	6.2	11.6	4.8	186	55.7	29.94	75.74	1	1	1	1	1	45.81	60.47661792
7570	04/01/2021	3	3.1	3.1.1.1	2300053451	760	76	47.3	32	5.1	15.5	4.7	163	72.9	44.64	74.25	1	1	1	1	1	29.61	39.88083449
7571	04/01/2021	3	3.1	3.1.1.1	2300053415	722	60	41.2	32	5.1	15.4	4.4	163	67.8	41.52	74.01	1	1	1	1	1	32.49	43.89757719
7572	04/01/2021	3	3.1	3.1.1.1	2300052435	722	57	42.4	32	4.9	15.1	4.3	157	64.9	41.41	74.01	1	1	1	1	1	32.60	44.04644063
7573	04/01/2021	3	3.1	3.1.1.1	2300052482	725	50	39.8	31	5.1	14.3	4.4	158	62.9	39.80	74.03	1	1	1	1	1	34.23	46.23835347
7574	04/01/2021	3	3.1	3.1.1.1	2300052486	726	83	55.8	25	4.9	15	4.4	123	66.0	53.88	74.03	1	1	1	1	1	20.15	27.22436255
7575	04/01/2021	3	3.1	3.1.1.1	2300052741	725	7	30.4	21	4.9	7.3	4.5	103	32.9	31.92	74.03	1	1	1	1	1	42.10	56.87434381
7576	04/01/2021	3	3.1	3.1.1.3	-	720	100	50.2	27	4.2	20.3	3.2	113	65.0	57.28	73.99	1	1	1	1	0	16.71	22.58297887
7577	04/01/2021	3	3.1	3.1.1.3	2300052957	721	20	14.2	31	1.6	18.2	1.1	50	20.0	40.36	74.00	1	1	1	1	1	33.64	45.45583101
7578	04/01/2021	3	3.1	3.1.1.3	2300053418	723	120	47.3	30	4.9	20.6	3.5	147	72.1	49.05	74.01	1	1	1	1	1	24.97	33.73125463
7579	04/01/2021	3	3.1	3.1.1.3	2300052903	725	62	42.6	22	4.8	15.5	4.03	106	62.5	59.15	74.03	1	1	1	1	0	14.87	20.09231605
7580	04/01/2021	3	3.1	3.1.1.3	2300052902	720	42	38.1	30	4.7	14.1	4	141	56.4	40.00	73.99	1	1	1	1	1	33.99	45.94156283
7581	04/01/2021	3	3.1	3.1.1.3	2300047920	720	74	52.8	20	4.4	14	3.5	88	49.0	55.68	73.99	1	1	1	1	0	18.31	24.74819826
7582	04/01/2021	3	3.1	3.1.1.3	2300047921	707	49	40.7	30	4.7	14.9	4	141	59.6	42.27	73.91	1	1	1	1	1	31.64	42.81011226
7583	04/01/2021	3	3.1	3.1.1.3	2300052721	706	48	41.6	31	4.7	15	4.1	146	61.5	42.21	73.90	1	1	1	1	1	31.69	42.88564606
7584	04/01/2021	3	3.1	3.1.1.3	2300052898	684	64	48.9	18	4.6	11.9	3.6	83	42.8	51.74	73.76	1	1	1	1	1	22.02	29.85818149
7585	04/01/2021	3	3.1	3.1.1.3	2300052786	679	44	40.6	21	4.5	16	3.6	95	57.6	60.95	73.73	1	1	1	0	0	12.78	17.33207885
7586	04/01/2021	3	3.1	3.1.1.3	2300052791	677	20	18.2	30	1.4	18.4	1	42	18.4	43.81	73.72	1	1	1	1	1	29.91	40.57211483
7587	04/01/2021	3	3.1	3.1.1.3	2300053422	663	58	43.7	30	4.7	15.9	4.09	141	65.0	46.12	73.63	1	1	1	1	1	27.51	37.36007373
7588	04/01/2021	3	3.1	3.1.1.3	2300053426	624	77	33.4	15	2.4	7.1	1.7	36	12.1	33.53	73.38	1	1	1	1	1	39.85	54.30912982
7589	04/01/2021	3	3.1	3.1.1.3	-	668	121	61.7	31	4.4	21.1	3.4	136	71.7	52.60	73.66	1	1	1	1	1	21.07	28.59835583

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7590	04/01/2021	3	3.1	3.1.1.3	-	672	43	40.9	31	4.3	15.3	3.6	133	55.1	41.32	73.69	1	1	1	1	1	32.37	43.92437983
7591	04/01/2021	3	3.1	3.1.1.3	-	668	45	42.8	31	4.2	15.2	3.7	130	56.2	43.20	73.66	1	1	1	1	1	30.47	41.35978713
7592	04/01/2021	3	3.1	3.1.1.3	-	662	138	60.2	30	4.4	22.2	3.7	132	82.1	62.23	73.62	1	1	1	0	0	11.40	15.47825846
7593	04/01/2021	3	3.1	3.1.1.3	-	658	22	20.3	31	4.1	7.1	3.7	127	26.3	20.67	73.60	1	1	1	1	1	52.93	71.9163708
7594	04/01/2021	3	3.1	3.1.1.3	-	658	13	34.2	30	4.06	13.3	3.2	122	42.6	34.94	73.60	1	1	1	1	1	38.65	52.5219319
7595	04/01/2021	3	3.1	3.1.1.3	2300052487	962	82	40.8	31	6.1	14.7	5.3	189	77.9	41.20	75.54	1	1	1	1	1	34.34	45.46082081
7596	04/01/2021	3	3.1	3.1.1.3	2300052480	997	136	58.5	32	6.9	22	5.8	221	127.6	57.79	75.77	1	1	1	1	0	17.98	23.72667834
7597	04/01/2021	3	3.1	3.1.1.3	2300053110	992	30	26.3	30	5.08	6.1	4.7	152	28.7	18.81	75.73	1	1	1	1	1	56.92	75.16024871
7598	04/01/2021	3	3.1	3.1.1.3	2300053078	916	44	29.9	25	5.7	12	3.2	143	38.4	26.95	75.25	1	1	1	1	1	48.30	64.18878219
7599	04/01/2021	3	3.1	3.1.1.4	2300053133	916	89	60.8	21	6.1	15.8	5.1	128	80.6	62.90	75.25	1	1	1	0	0	12.34	16.40489198
7600	04/01/2021	3	3.1	3.1.1.4	2300053100	900	97	43.9	32	5.8	19.1	4.2	186	80.2	43.22	75.15	1	1	1	1	1	31.92	42.48265675
7601	04/01/2021	3	3.1	3.1.1.4	2300053061	850	63	36.2	21	5.9	13.8	4.9	124	67.6	54.58	74.83	1	1	1	1	1	20.25	27.06242324
7602	04/01/2021	3	3.1	3.1.1.4	2300052814	562	16	36.1	30	4.5	13.9	3.6	135	50.0	37.07	72.98	1	1	1	1	1	35.92	49.21177775
7603	04/01/2021	3	3.1	3.1.1.4	2300052805	740	76	36.4	32	6.2	14.5	5.1	198	74.0	37.27	74.12	1	1	1	1	1	36.85	49.71373481
7604	04/01/2021	3	3.1	3.1.1.4	2300052800	935	127	44.4	32	6.3	22.5	4.9	202	110.3	54.69	75.37	1	1	1	1	1	20.68	27.44128964
7605	04/01/2021	3	3.1	3.1.1.4	2300050442	950	80	46.7	26	6.5	14.6	5.1	169	74.5	44.06	75.47	1	1	1	1	1	31.41	41.61718973
7606	04/01/2021	3	3.1	3.1.1.4	2300050446	954	109	46.7	32	6.8	20.3	4.6	218	93.4	42.91	75.49	1	1	1	1	1	32.58	43.15446627
7607	04/01/2021	3	3.1	3.1.1.4	2300050444	969	73	34.4	31	6.6	13.4	5.3	205	71.0	34.71	75.59	1	1	1	1	1	40.88	54.07761001
7608	04/01/2021	3	3.1	3.1.1.4	2300059973	979	121	40.9	32	6.5	21.2	5.3	208	112.4	54.02	75.65	1	1	1	1	1	21.63	28.59472798
7609	04/01/2021	3	3.1	3.1.1.4	2300051968	1004	83	37.3	32	4.08	14.7	5.3	131	77.9	59.67	75.81	1	1	1	1	0	16.14	21.28683046
7610	04/01/2021	3	3.1	3.1.1.4	2300051989	1015	66	30.4	31	4.5	12.2	5.1	140	62.2	44.60	75.88	1	1	1	1	1	31.28	41.22169877
7611	04/01/2021	3	3.1	3.1.1.4	2300048011	1018	27	29.3	21	6.5	9	2.8	137	25.2	18.46	75.90	1	1	1	1	1	57.44	75.67688197
7612	04/01/2021	3	3.1	3.1.1.4	2300048035	1010	83	35.6	29	6.9	13.8	5.6	200	77.3	38.62	75.85	1	1	1	1	1	37.23	49.08280863
7613	04/01/2021	3	3.1	3.1.1.4	2300048075	995	65	33.4	30	6.7	12.7	4.7	201	59.7	29.70	75.75	1	1	1	1	1	46.06	60.79874672
7614	04/01/2021	3	3.1	3.1.1.4	2300048061	897	83	34.9	32	5.7	20.3	3.2	182	65.0	35.61	75.13	1	1	1	1	1	39.51	52.59476633
7615	04/01/2021	3	3.1	3.1.1.4	2300048473	903	96	41.3	32	6.02	19.9	3.9	193	77.6	40.29	75.17	1	1	1	1	1	34.88	46.4012827
7616	04/01/2021	3	3.1	3.1.1.4	2300048081	662	88	33.9	31	4.6	18.8	2.6	143	48.9	34.28	73.62	1	1	1	1	1	39.35	53.44146126
7617	04/01/2021	3	3.1	3.1.1.4	2300048137	913	70	33.4	31	6.05	13.3	4.6	188	61.2	32.62	75.23	1	1	1	1	1	42.61	56.63833392
7618	04/01/2021	3	3.1	3.1.1.4	2300048978	915	45	32.5	24	5.2	12.5	3.3	125	41.3	33.05	75.24	1	1	1	1	1	42.19	56.07123068
7619	04/01/2021	3	3.1	3.1.1.4	2300057949	902	65	41	32	5.3	15.4	4.6	170	70.8	41.77	75.16	1	1	1	1	1	33.39	44.42584511

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7620	04/01/2021	3	3.1	3.1.1.4	2300048489	914	53	41	21	5.4	12.9	4.09	113	52.8	46.53	75.24	1	1	1	1	1	28.71	38.15898986
7621	04/01/2021	3	3.1	3.1.1.4	2300047647	912	136	51.1	32	6.7	23	4.9	214	112.7	52.57	75.22	1	1	1	1	1	22.66	30.12052395
7622	04/01/2021	3	3.1	3.1.1.4	2300048156	930	50	30.8	30	5.6	12.2	4.3	168	52.5	31.23	75.34	1	1	1	1	1	44.11	58.55187226
7623	04/01/2021	3	3.1	3.1.3.3	2300057959	929	35	27.5	28	5.1	10.6	3.6	143	38.2	26.72	75.33	1	1	1	1	1	48.61	64.52658768
7624	04/01/2021	3	3.1	3.1.3.3	2300057963	951	101	59.4	22	6.7	15.7	5.8	147	91.1	61.78	75.47	1	1	1	0	0	13.69	18.14560521
7625	04/01/2021	3	3.1	3.1.3.3	2300053108	961	47	30.3	31	6.02	12.5	4.5	187	56.3	30.14	75.54	1	1	1	1	1	45.39	60.09676932
7626	04/01/2021	3	3.1	3.1.3.3	2300058023	954	25	42.6	12	4.01	11.9	2.9	48	34.5	71.72	75.49	1	0	0	0	0	3.78	5.000633212
7627	04/01/2021	3	3.1	3.1.3.3	2300052628	935	52	37.6	25	4.8	13.1	3.3	120	43.2	36.03	75.37	1	1	1	1	1	39.35	52.20246783
7628	04/01/2021	3	3.1	3.1.3.3	2300057890	924	124	51.6	31	6.5	21.3	5.04	202	107.4	53.28	75.30	1	1	1	1	1	22.02	29.24739733
7629	04/01/2021	3	3.1	3.1.3.3	2300057907	693	69	43.5	26	5.6	14	4.6	146	64.4	44.23	73.82	1	1	1	1	1	29.59	40.08392002
7630	04/01/2021	3	3.1	3.1.3.3	2300053101	916	41	25.7	30	5.8	11.9	3.9	174	46.4	26.67	75.25	1	1	1	1	1	48.58	64.55417817
7631	04/01/2021	3	3.1	3.1.3.3	2300055184	504	57	52.7	31	3.6	14	3.1	112	43.4	38.89	72.61	1	1	1	1	1	33.72	46.44259472
7632	04/01/2021	3	3.1	3.1.3.3	2300057957	962	95	49.9	32	6.9	15	5.9	221	88.5	40.08	75.54	1	1	1	1	1	35.46	46.94196967
7633	04/01/2021	3	3.1	3.1.3.3	2300050560	1002	63	48.5	32	6.4	10.6	5.6	205	59.4	28.98	75.80	1	1	1	1	1	46.81	61.7614329
7634	04/01/2021	3	3.1	3.1.3.3	2300050617	989	80	57.3	21	6.7	15.5	5.7	141	88.4	62.79	75.72	1	1	1	0	0	12.92	17.06705491
7635	04/01/2021	3	3.1	3.1.3.3	-	986	63	31.4	31	6.02	12.6	4.7	187	59.2	31.73	75.70	1	1	1	1	1	43.96	58.07867582
7636	04/01/2021	3	3.1	3.1.3.3	2300057962	978	20	20.4	30	2.4	20.4	2.9	72	59.2	82.17	75.65	1	0	0	0	0	-6.52	-8.621124231
7637	04/01/2021	3	3.1	3.1.3.3	2300057961	958	93	45.8	22	6.4	15.7	5.2	141	81.6	57.98	75.52	1	1	1	1	0	17.53	23.21887657
7638	04/01/2021	3	3.1	3.1.3.3	2300050559	985	105	63.4	20	5.2	15.4	4.5	104	69.3	66.63	75.69	1	1	0	0	0	9.06	11.96377938
7639	04/01/2021	3	3.1	3.1.3.3	2300050662	976	42	31.3	21	6.04	7.4	5.4	127	40.0	31.50	75.63	1	1	1	1	1	44.13	58.34555385
7640	04/01/2021	3	3.1	3.1.3.3	2300057964	991	26	57.5	18	4.4	15.4	3.1	79	47.7	60.28	75.73	1	1	1	1	0	15.45	20.40267881
7641	04/01/2021	3	3.1	3.1.3.3	2300057956	1040	131	53	31	7.03	21.7	5.5	218	119.4	54.77	76.04	1	1	1	1	1	21.28	27.98020619
7642	04/01/2021	3	3.1	3.1.3.3	2300050670	515	7	39.6	32	5.2	11.4	4.4	166	50.2	30.14	72.68	1	1	1	1	1	42.54	58.52586504
7643	04/01/2021	3	3.1	3.1.3.3	2300050653	772	91	62.5	31	3.7	15.1	3.2	115	48.3	42.13	74.33	1	1	1	1	1	32.20	43.321536
7644	04/01/2021	3	3.1	3.1.3.3	2300057958	970	35	34.1	21	4.9	22.8	4.1	103	93.5	90.85	75.59	1	1	1	1	0	-15.25	-20.17551796
7645	05/01/2021	3	3.1	3.1.3.2	-	973	89	58	21	6.5	14.7	5.5	137	80.9	59.23	75.61	1	1	1	1	0	16.38	21.666099
7646	05/01/2021	3	3.1	3.1.3.2	-	1023	97	40.2	32	6.9	17.4	5.5	221	95.7	43.34	75.93	1	1	1	1	1	32.59	42.92036776
7647	05/01/2021	3	3.1	3.1.3.2	-	1015	102	40.7	32	7.3	17.3	5.6	234	96.9	41.47	75.88	1	1	1	1	1	34.41	45.34592823
7648	05/01/2021	3	3.1	3.1.3.2	2300053096	1015	95	37.9	31	7.3	14	6.3	226	88.2	38.97	75.88	1	1	1	1	1	36.91	48.6376055
7649	05/01/2021	3	3.1	3.1.3.2	2300058015	1028	108	43.3	32	7.3	15.3	6.5	234	99.5	42.57	75.97	1	1	1	1	1	33.39	43.95753059

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7650	05/01/2021	3	3.1	3.1.3.2	2300055705	837	36	60.1	30	4.4	25.7	3.3	132	84.8	64.25	74.74	1	1	0	0	0	10.49	14.03854284
7651	05/01/2021	3	3.1	3.1.3.2	2300057853	872	82	40.1	32	6.1	15.7	5.02	195	78.8	40.38	74.97	1	1	1	1	1	34.59	46.14145917
7652	05/01/2021	3	3.1	3.1.3.2	2300052089	1044	12	39.1	14	2.2	8.5	1.4	31	11.9	38.64	76.07	1	1	1	1	1	37.43	49.2078577
7653	05/01/2021	3	3.1	3.1.3.2	2300057717	883	94	45.7	32	6.5	16.4	5.4	208	88.6	42.58	75.04	1	1	1	1	1	32.46	43.25891281
7654	05/01/2021	3	3.1	3.1.3.2	-	1032	121	50.4	31	7.2	21	5.5	223	115.5	51.75	75.99	1	1	1	1	1	24.24	31.90318851
7655	05/01/2021	3	3.1	3.1.3.2	2300050574	981	114	51.8	31	6.7	21.8	5.08	208	110.7	53.32	75.66	1	1	1	1	1	22.35	29.53197224
7656	05/01/2021	3	3.1	3.1.3.2	2300050460	979	53	41.4	21	5.3	11.4	4.3	111	49.0	44.04	75.65	1	1	1	1	1	31.61	41.78163227
7657	05/01/2021	3	3.1	3.1.3.2	2300050686	986	73	42.5	25	6.2	26.3	4.3	155	113.1	72.96	75.70	0	0	0	0	0	2.74	3.613262556
7658	05/01/2021	3	3.1	3.1.3.2	2300057948	1006	54	42.3	30	5.9	12.5	4.2	177	52.5	29.66	75.82	1	1	1	1	1	46.16	60.88196287
7659	05/01/2021	3	3.1	3.1.3.2	2300057859	818	71	40	33	5.8	15	5.07	191	76.1	39.73	74.62	1	1	1	1	1	34.89	46.75301078
7660	05/01/2021	3	3.1	3.1.3.2	2300057947	835	96	50.5	29	5.9	16.5	5.1	171	84.2	49.18	74.73	1	1	1	1	1	25.55	34.18738786
7661	05/01/2021	3	3.1	3.1.3.2	2300057984	829	85	41.7	33	5.8	17.1	4.5	191	77.0	40.20	74.69	1	1	1	1	1	34.49	46.17365038
7662	05/01/2021	3	3.1	3.1.3.2	2300057885	831	90	49	32	5.9	15.5	5.2	189	80.6	42.69	74.70	1	1	1	1	1	32.01	42.85386407
7663	05/01/2021	3	3.1	3.1.3.2	-	834	46	30.6	33	3.06	16.1	2.6	101	41.9	41.45	74.72	1	1	1	1	1	33.27	44.52388105
7664	05/01/2021	3	3.1	3.1.3.2	2300057944	829	78	41.6	32	5.8	15.9	4.8	186	76.3	41.12	74.69	1	1	1	1	1	33.57	44.94603188
7665	05/01/2021	3	3.1	3.1.3.1	2300053132	548	26	27.5	22	4.8	7.1	4.3	106	30.5	28.91	72.89	1	1	1	1	1	43.98	60.33788495
7666	05/01/2021	3	3.1	3.1.3.1	2300055735	829	81	26.2	32	5.8	15.8	4.2	186	66.4	35.75	74.69	1	1	1	1	1	38.94	52.13074784
7667	05/01/2021	3	3.1	3.1.3.1	2300053104	830	20	20.4	20	5.2	20.2	1.4	104	28.3	27.19	74.70	1	1	1	1	1	47.51	63.59700703
7668	05/01/2021	3	3.1	3.1.3.1	-	785	82	42.7	32	5.1	18	3.8	163	68.4	41.91	74.41	1	1	1	1	1	32.50	43.67455355
7669	05/01/2021	3	3.1	3.1.3.1	2300057903	751	25	30.3	31	4.8	12.9	3.5	149	45.2	30.34	74.19	1	1	1	1	1	43.85	59.10262785
7670	05/01/2021	3	3.1	3.1.3.1	-	763	60	42.2	32	4.9	15.2	4.3	157	65.4	41.68	74.27	1	1	1	1	1	32.59	43.87488559
7671	05/01/2021	3	3.1	3.1.3.1	2300053127	771	91	59.5	21	5.08	19.4	4.2	107	81.5	76.38	74.32	0	0	0	0	0	-2.06	-2.768489884
7672	05/01/2021	3	3.1	3.1.3.1	2300058021	766	34	66.2	13	2.6	10.5	2.2	34	23.1	68.34	74.29	1	0	0	0	0	5.95	8.002870884
7673	05/01/2021	3	3.1	3.1.3.1	2300057846	763	70	46.2	28	4.8	16.3	4.3	134	70.1	52.15	74.27	1	1	1	1	1	22.12	29.7820663
7674	05/01/2021	3	3.1	3.1.3.1	2300057896	756	40	23.7	26	3.4	15.6	2.04	88	31.8	36.00	74.22	1	1	1	1	1	38.22	51.49842909
7675	05/01/2021	3	3.1	3.1.3.1	-	753	47	40.7	19	4.5	11.3	3.2	86	36.2	42.29	74.21	1	1	1	1	1	31.91	43.00615366
7676	05/01/2021	3	3.1	3.1.3.1	-	672	95	66	30	4.5	15.5	4.09	135	63.4	46.96	73.69	1	1	1	1	1	26.73	36.27181631
7677	05/01/2021	3	3.1	3.1.3.1	2300058000	663	37	51.3	21	4.6	8.5	3.8	97	32.3	33.44	73.63	1	1	1	1	1	40.19	54.58751012
7678	05/01/2021	3	3.1	3.1.3.1	2300057969	654	12	37	21	4.7	9	4.01	99	36.1	36.57	73.57	1	1	1	1	1	37.01	50.2996407
7679	05/01/2021	3	3.1	3.1.3.1	2300058002	662	109	69.9	21	4.7	16.3	4.3	99	70.1	71.01	73.62	0	0	0	0	0	2.61	3.544593216

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7680	05/01/2021	3	3.1	3.1.3.1	2300057908	658	47	43.2	31	4.6	15.5	4.1	143	63.6	44.57	73.60	1	1	1	1	1	29.03	39.44712925
7681	05/01/2021	3	3.1	3.1.3.1	-	710	44	32.2	32	4.8	15.3	2.2	154	33.7	21.91	73.93	1	1	1	1	1	52.02	70.35836264
7682	05/01/2021	3	3.1	3.1.3.1	2300055497	689	26	32.5	25	3.6	14.4	1.3	90	18.7	20.80	73.80	1	1	1	1	1	53.00	71.81403769
7683	05/01/2021	3	3.1	3.1.3.1	-	711	42	58.9	31	4.9	7.3	4.5	152	32.9	21.63	73.94	1	1	1	1	1	52.31	70.75044257
7684	05/01/2021	3	3.1	3.1.3.1	2300055738	691	20	18.3	32	2.4	12.4	2.1	77	26.0	33.91	73.81	1	1	1	1	1	39.90	54.06180055
7685	05/01/2021	3	3.1	3.1.3.1	-	680	93	60.9	21	4.8	15.4	4.2	101	64.7	64.17	73.74	1	1	0	0	0	9.57	12.98019113
7686	05/01/2021	3	3.1	3.1.3.1	2300055731	882	85	48.8	25	6.8	14.7	5.2	170	76.4	44.96	75.03	1	1	1	1	1	30.07	40.07166939
7687	05/01/2021	3	3.1	3.1.3.1	-	963	100	46.3	32	3.3	15.9	5.9	106	93.8	88.84	75.55	1	1	1	0	0	-13.29	-17.58592715
7688	05/01/2021	3	3.1	3.1.2.4	2300056032	890	38	53.3	15	3.7	12	3.07	56	36.8	66.38	75.08	1	1	0	0	0	8.70	11.59215474
7689	05/01/2021	3	3.1	3.1.2.4	2300056142	581	45	43.5	31	3.6	16.8	3.07	112	51.6	46.22	73.10	1	1	1	1	1	26.89	36.78211741
7690	05/01/2021	3	3.1	3.1.2.4	2300056158	785	66	33.7	32	5.3	15	4.1	170	61.5	36.26	74.41	1	1	1	1	1	38.15	51.26758171
7691	05/01/2021	3	3.1	3.1.2.4	2300055535	702	52	39	31	4.4	14.8	4.5	136	66.6	48.83	73.88	1	1	1	1	1	25.05	33.90934954
7692	05/01/2021	3	3.1	3.1.2.4	2300056159	749	39	40.1	25	5.7	15.8	3.5	143	55.3	38.81	74.18	1	1	1	1	1	35.37	47.68505419
7693	05/01/2021	3	3.1	3.1.2.4	2300056149	899	20	36.9	17	5.3	12.5	1.2	90	15.0	16.65	75.14	1	1	1	1	1	58.49	77.84368202
7694	05/01/2021	3	3.1	3.1.2.4	2300056079	1019	135	60.3	32	6.8	23.5	5.7	218	134.0	61.56	75.91	1	1	1	0	0	14.35	18.90416189
7695	05/01/2021	3	3.1	3.1.2.4	2300056106	860	46	20.4	30	2.4	23.4	1.4	72	32.8	45.50	74.89	1	1	1	1	1	29.39	39.24422486
7696	05/01/2021	3	3.1	3.1.2.4	2300056107	860	20	18.5	30	6.2	20.2	4.4	186	88.9	47.78	74.89	1	1	1	1	1	27.11	36.19315498
7697	05/01/2021	3	3.1	3.1.2.4	2300056109	829	34	29.5	32	5.2	12.5	4	166	50.0	30.05	74.69	1	1	1	1	1	44.64	59.77047362
7698	05/01/2021	3	3.1	3.1.2.4	2300056108	844	70	38.8	30	5.6	14.9	4.7	168	70.0	41.68	74.79	1	1	1	1	1	33.10	44.26278713
7699	05/01/2021	3	3.1	3.1.2.4	2300056036	831	58	36.2	31	5.2	14.6	4.1	161	59.9	37.13	74.70	1	1	1	1	1	37.57	50.29209118
7700	05/01/2021	3	3.1	3.1.2.4	2300056087	887	48	32.5	31	5.1	12.9	4.05	158	52.2	33.05	75.06	1	1	1	1	1	42.02	55.97614158
7701	05/01/2021	3	3.1	3.1.2.4	2300056083	913	69	34.6	31	5.6	13.4	4.6	174	61.6	35.51	75.23	1	1	1	1	1	39.72	52.80168812
7702	05/01/2021	3	3.1	3.1.2.4	2300056153	914	43	32.7	31	5.3	13	4.3	164	55.9	34.02	75.24	1	1	1	1	1	41.21	54.7778865
7703	05/01/2021	3	3.1	3.1.2.4	2300056155	818	59	45.9	24	4.4	14	3.5	106	49.0	46.40	74.62	1	1	1	1	1	28.22	37.81724878
7704	05/01/2021	3	3.1	3.1.2.4	2300056094	636	68	40.3	29	5.4	15	4.5	157	67.5	43.10	73.46	1	1	1	1	1	30.35	41.32104449
7705	05/01/2021	3	3.1	3.1.2.4	2300055655	892	26	58.2	31	6.2	24.6	4.6	192	113.2	58.88	75.09	1	1	1	1	0	16.22	21.59753984
7706	05/01/2021	3	3.1	3.1.2.4	2300056076	861	92	48.8	30	5.1	17	4.6	153	78.2	51.11	74.90	1	1	1	1	1	23.79	31.75758633
7707	05/01/2021	3	3.1	3.1.2.4	2300056075	935	49	30.4	26	6.2	9.2	5.1	161	46.9	29.11	75.37	1	1	1	1	1	46.26	61.38158451
7708	05/01/2021	3	3.1	3.1.2.4	-	968	100	43.2	32	6.7	15.8	5	214	79.0	36.85	75.58	1	1	1	1	1	38.73	51.24843886

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7709	05/01/2021	3	3.1	3.1.2.4	vspl22011010873583	765	69	54.8	19	5.5	11.7	5	105	58.5	55.98	74.28	1	1	1	1	0	18.30	24.63738019
7710	05/01/2021	3	3.1	3.1.2.4	-	907	26	54.4	32	3.6	23.9	2.5	115	59.8	51.87	75.19	1	1	1	1	1	23.32	31.02039153
7711	05/01/2021	3	3.1	3.1.2.4	vspl22011010873548	522	26	35.6	33	4.6	21.4	2.9	152	62.1	40.88	72.73	1	1	1	1	1	31.84	43.78586649
7712	05/01/2021	3	3.1	3.1.2.2	2300056045	533	33	41.7	31	3.4	17.7	2.6	105	46.0	43.66	72.80	1	1	1	1	1	29.13	40.02209001
7713	05/01/2021	3	3.1	3.1.2.2	2300056143	562	37	35.6	32	4.8	13.6	3.9	154	53.0	34.53	72.98	1	1	1	1	1	38.45	52.6857698
7714	05/01/2021	3	3.1	3.1.2.2	2300056144	745	60	42.6	31	4.9	15.4	4.7	152	72.4	47.65	74.15	1	1	1	1	1	26.50	35.74214529
7715	05/01/2021	3	3.1	3.1.2.2	2300056134	750	52	39.9	32	4.7	15.3	4.03	150	61.7	41.00	74.19	1	1	1	1	1	33.19	44.73798893
7716	05/01/2021	3	3.1	3.1.2.2	2300056152	750	89	60	21	4.5	15.4	3.8	95	58.5	61.93	74.19	1	1	1	0	0	12.26	16.52612902
7717	05/01/2021	3	3.1	3.1.2.2	2300056145	769	26	22.2	32	3.9	11.6	2.4	125	27.8	22.31	74.31	1	1	1	1	1	52.00	69.97925877
7718	05/01/2021	3	3.1	3.1.2.2	2300056248	761	54	40	32	4.8	15.1	4.1	154	61.9	40.31	74.26	1	1	1	1	1	33.95	45.72051758
7719	05/01/2021	3	3.1	3.1.2.2	2300056020	766	23	30.8	30	4.5	12.4	3.4	135	42.2	31.23	74.29	1	1	1	1	1	43.06	57.96163381
7720	05/01/2021	3	3.1	3.1.2.2	2300053010	742	127	60.6	32	4.8	22.3	4.3	154	95.9	62.43	74.13	1	1	1	0	0	11.71	15.79071446
7721	05/01/2021	3	3.1	3.1.2.2	2300056021	770	138	58.7	32	5.3	22.5	4.5	170	101.3	59.70	74.31	1	1	1	0	0	14.61	19.66615651
7722	05/01/2021	3	3.1	3.1.2.2	2300056024	786	74	42.7	31	5.4	16	4.8	167	76.8	45.88	74.42	1	1	1	1	1	28.54	38.34942808
7723	05/01/2021	3	3.1	3.1.2.2	2300056025	540	64	18.9	32	4.8	6.7	4.4	154	29.5	19.19	72.84	1	1	1	1	1	53.65	73.65159066
7724	05/01/2021	3	3.1	3.1.2.2	2300056088	760	41	39.9	31	4.5	15.2	3.7	140	56.2	40.32	74.25	1	1	1	1	1	33.93	45.70314857
7725	05/01/2021	3	3.1	3.1.2.2	2300056150	996	74	37.5	32	5.1	17.7	3.9	163	69.0	42.30	75.76	1	1	1	1	1	33.46	44.16899314
7726	05/01/2021	3	3.1	3.1.2.2	2300056086	1022	12	20.4	31	2.4	20.2	1.4	74	28.3	38.01	75.93	1	1	1	1	1	37.92	49.93763376
7727	05/01/2021	3	3.1	3.1.2.2	2300056092	1036	77	36.5	32	6.4	18.2	4.1	205	74.6	36.44	76.02	1	1	1	1	1	39.58	52.068834
7728	05/01/2021	3	3.1	3.1.2.2	2300056093	1029	58	31.7	32	5.5	12.3	3.4	176	41.8	23.76	75.97	1	1	1	1	1	52.21	68.72336026
7729	05/01/2021	3	3.1	3.1.2.2	2300056156	1033	138	57.6	30	7.6	22.6	5.9	228	133.3	58.48	76.00	1	1	1	1	0	17.51	23.04656469
7730	05/01/2021	3	3.1	3.1.2.2	2300056160	1050	76	32.6	31	6.5	13	5.2	202	67.6	33.55	76.11	1	1	1	1	1	42.56	55.91886698
7731	05/01/2021	3	3.1	3.1.2.2	2300056165	1048	72	34.4	31	6.1	13.5	4.9	189	66.2	34.98	76.09	1	1	1	1	1	41.11	54.02809808
7732	05/01/2021	3	3.1	3.1.2.2	2300056164	1044	101	48.2	32	6.4	21	4.7	205	98.7	48.19	76.07	1	1	1	1	1	27.87	36.64403849
7733	05/01/2021	3	3.1	3.1.2.2	2300056077	981	82	36	32	6.1	13.9	5.4	195	75.1	38.45	75.66	1	1	1	1	1	37.21	49.17970822
7734	05/01/2021	3	3.1	3.1.2.2	-	939	119	53.1	31	4.2	21.2	4.1	130	86.9	66.76	75.40	1	1	0	0	0	8.64	11.4552672
7735	05/01/2021	3	3.1	3.1.2.2	-	851	73	51.6	30	6.4	13.2	5.3	192	70.0	36.44	74.83	1	1	1	1	1	38.39	51.30785596
7736	05/01/2021	3	3.1	3.1.2.1	2300048443	989	73	38.1	30	5.9	14.3	4.9	177	70.1	39.59	75.72	1	1	1	1	1	36.13	47.71543695
7737	05/01/2021	3	3.1	3.1.2.1	-	633	89	60.7	20	4.7	14.8	4.1	94	60.7	64.55	73.44	1	1	0	0	0	8.88	12.09742271

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7738	05/01/2021	3	3.1	3.1.2.1	2300048593	825	71	33.5	31	5.3	14.8	4.1	164	60.7	36.93	74.67	1	1	1	1	1	37.73	50.5364682
7739	05/01/2021	3	3.1	3.1.2.1	2300035660	918	64	38.9	30	5.6	14.3	4.6	168	65.8	39.15	75.26	1	1	1	1	1	36.11	47.97483709
7740	05/01/2021	3	3.1	3.1.2.1	2300041463	909	89	48.5	31	5.4	18.9	4.3	167	81.3	48.55	75.20	1	1	1	1	1	26.66	35.44406505
7741	05/01/2021	3	3.1	3.1.2.1	2300042586	874	89	58	20	6.4	16.4	5.4	128	88.6	69.19	74.98	1	0	0	0	0	5.79	7.724901173
7742	05/01/2021	3	3.1	3.1.2.1	2300042581	1000	117	54.7	31	6.5	22.5	5.1	202	114.8	56.95	75.79	1	1	1	1	0	18.84	24.85697778
7743	05/01/2021	3	3.1	3.1.2.1	2300042567	1104	122	56.1	31	7.5	23.3	5.7	233	132.8	57.12	76.45	1	1	1	1	1	19.33	25.28268781
7744	05/01/2021	3	3.1	3.1.2.1	-	860	35	18.5	30	5.3	6	5.2	159	31.2	19.62	74.89	1	1	1	1	1	55.27	73.79804846
7745	05/01/2021	3	3.1	3.1.2.1	2300042569	983	132	59.1	31	5.7	23.3	4.7	177	109.5	61.98	75.68	1	1	1	0	0	13.70	18.10598299
7746	05/01/2021	3	3.1	3.1.2.1	-	577	93	53.9	22	4.1	15.7	3.2	90	50.2	55.70	73.08	1	1	1	1	0	17.38	23.78302888
7747	05/01/2021	3	3.1	3.1.2.1	2300042481	636	20	20.4	30	2.4	20.4	1.2	72	24.5	34.00	73.46	1	1	1	1	1	39.46	53.71403989
7748	05/01/2021	3	3.1	3.1.2.1	2300043096	749	20	20.5	30	2.4	20.4	1.4	72	28.6	39.67	74.18	1	1	1	1	1	34.51	46.52617881
7749	05/01/2021	3	3.1	3.1.2.1	2300055686	528	126	65.7	32	3.1	23.5	2.7	99	63.5	63.96	72.77	1	1	0	0	0	8.80	12.098512
7750	05/01/2021	3	3.1	3.1.2.1	2300055570	1051	86	35.5	30	6.7	14.3	3.5	201	50.1	24.90	76.11	1	1	1	1	1	51.21	67.28457188
7751	05/01/2021	3	3.1	3.1.2.1	2300056030	1092	72	33.7	32	6.4	13.7	5.1	205	69.9	34.12	76.37	1	1	1	1	1	42.26	55.33053974
7752	05/01/2021	3	3.1	3.1.2.1	2300055598	1068	67	34.5	20	6.7	12.4	5.2	134	64.5	48.12	76.22	1	1	1	1	1	28.10	36.86874126
7753	05/01/2021	3	3.1	3.1.2.1	2300056026	689	26	31.3	31	3.9	12.7	2.9	121	36.8	30.46	73.80	1	1	1	1	1	43.33	58.71949991
7754	05/01/2021	3	3.1	3.1.2.1	2300056027	572	41	28.8	21	3.5	7.2	3.1	74	22.3	30.37	73.05	1	1	1	1	1	42.68	58.42754653
7755	05/01/2021	3	3.1	3.1.2.3	2300035117	617	52	32.3	30	5.5	13.2	2.4	165	31.7	19.20	73.33	1	1	1	1	1	54.13	73.81870544
7756	05/01/2021	3	3.1	3.1.2.3	2300042561	574	20	24.4	30	2.4	20.2	1.4	72	28.3	39.28	73.06	1	1	1	1	1	33.78	46.23871773
7757	05/01/2021	3	3.1	3.1.2.3	2300042563	716	31	32.9	30	4.5	13	3.5	135	45.5	33.70	73.97	1	1	1	1	1	40.26	54.43499697
7758	05/01/2021	3	3.1	3.1.2.3	2300042570	1049	51	36.2	31	5.4	14.5	4.2	167	60.9	36.38	76.10	1	1	1	1	1	39.72	52.19432387
7759	05/01/2021	3	3.1	3.1.2.3	2300042574	1016	16	28.5	30	3.2	7.5	2.3	96	17.3	17.97	75.89	1	1	1	1	1	57.92	76.32213882
7760	05/01/2021	3	3.1	3.1.2.3	2300042476	935	135	60.2	30	3.6	22.9	3.03	108	69.4	64.25	75.37	1	1	0	0	0	11.12	14.75756638
7761	05/01/2021	3	3.1	3.1.2.3	2300042052	1031	123	52.6	33	7.03	23.8	5.2	232	123.8	53.35	75.98	1	1	1	1	1	22.64	29.79200069
7762	05/01/2021	3	3.1	3.1.2.3	2300056123	1089	120	48	32	7.2	22.1	5.1	230	112.7	48.92	76.36	1	1	1	1	1	27.44	35.93230774
7763	05/01/2021	3	3.1	3.1.2.3	2300055875	1093	133	58.1	32	7.3	24.8	5.5	234	136.4	58.39	76.38	1	1	1	1	0	17.99	23.55394919
7764	05/01/2021	3	3.1	3.1.2.3	2300055941	527	20	18.5	30	2.4	20.2	1.4	72	28.3	39.28	72.76	1	1	1	1	1	33.48	46.01645742
7765	05/01/2021	3	3.1	3.1.2.3	2300055606	1103	24	20.5	30	2.5	18.5	1.4	75	25.9	34.53	76.45	1	1	1	1	1	41.91	54.82602788
7766	05/01/2021	3	3.1	3.1.2.3	2300056611	1001	20	30.2	30	2.6	19.2	1.6	78	30.7	39.38	75.79	1	1	1	1	1	36.41	48.03619441
7767	05/01/2021	3	3.1	3.1.2.3	2300056112	884	111	56.7	20	3.9	15.6	3	78	46.8	60.00	75.04	1	1	1	1	0	15.04	20.04647965

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7768	05/01/2021	3	3.1	3.1.2.3	2300056029	880	115	48.7	31	4.9	20.9	3.7	152	77.3	50.91	75.02	1	1	1	1	1	24.11	32.1382969
7769	05/01/2021	3	3.1	3.1.2.3	2300056031	522	36	36.7	29	4.6	13.5	3.7	133	50.0	37.44	72.73	1	1	1	1	1	35.28	48.51447044
7770	05/01/2021	3	3.2	3.2.1.1	-	721	10	26.7	30	5.2	12.3	3.5	156	43.1	27.60	74.00	1	1	1	1	1	46.40	62.70810179
7771	05/01/2021	3	3.2	3.2.1.1	vspl22011112580221	696	43	19.5	30	5.7	11.1	3.1	171	34.4	20.12	73.84	1	1	1	1	1	53.72	72.74824213
7772	05/01/2021	3	3.2	3.2.1.1	-	1061	43	34	30	4.6	11.1	3.1	138	34.4	24.93	76.18	1	1	1	1	1	51.24	67.26705041
7773	05/01/2021	3	3.2	3.2.1.1	-	1040	36	27.9	21	5.6	6.2	0.3	118	1.9	1.58	76.04	1	1	1	1	1	74.46	97.92005385
7774	05/01/2021	3	3.2	3.2.1.1	-	996	54	30.8	28	5.9	12.1	4.3	165	52.0	31.50	75.76	1	1	1	1	1	44.27	58.42794206
7775	05/01/2021	3	3.2	3.2.1.1	-	932	41	34.9	30	5.2	13.4	4.2	156	56.3	36.08	75.35	1	1	1	1	1	39.27	52.12138016
7776	05/01/2021	3	3.2	3.2.1.1	-	811	53	35.9	30	6.1	13.9	4.9	183	68.1	37.22	74.58	1	1	1	1	1	37.36	50.09335496
7777	05/01/2021	3	3.2	3.2.1.1	vspl22011012981547	989	24	14.7	30	3.5	5.4	3	105	16.2	15.43	75.72	1	1	1	1	1	60.29	79.62299522
7778	05/01/2021	3	3.2	3.2.1.1	-	1101	26	52.1	20	3.5	13.6	2.1	70	28.6	40.80	76.43	1	1	1	1	1	35.63	46.61949644
7779	05/01/2021	3	3.2	3.2.1.1	-	751	45	38.9	30	4.2	13.4	3.1	126	41.5	32.97	74.19	1	1	1	1	1	41.22	55.56383947
7780	05/01/2021	3	3.2	3.2.1.1	vspl22011020182276	754	44	36.6	32	4.7	14.3	3.8	150	54.3	36.13	74.21	1	1	1	1	1	38.08	51.31445872
7781	05/01/2021	3	3.2	3.2.1.1	-	756	58	46.5	21	4.5	12.8	3.5	95	44.8	47.41	74.22	1	1	1	1	1	26.82	36.12961855
7782	05/01/2021	3	3.2	3.2.1.1	-	753	41	48.7	30	5.09	12.4	4.08	153	50.6	33.13	74.21	1	1	1	1	1	41.07	55.35133569
7783	05/01/2021	3	3.2	3.2.1.1	-	748	54	40.7	28	4.5	14.9	3.5	126	52.2	41.39	74.17	1	1	1	1	1	32.78	44.199672
7784	05/01/2021	3	3.2	3.2.1.1	-	739	28	33.2	30	4.4	13	3.4	132	44.2	33.48	74.12	1	1	1	1	1	40.63	54.82078202
7785	05/01/2021	3	3.2	3.2.1.1	-	747	89	56.1	21	4.9	14.4	4.07	103	58.6	56.96	74.17	1	1	1	1	0	17.21	23.20516967
7786	05/01/2021	3	3.2	3.2.1.1	-	768	89	43.3	31	4.7	4.97	3.2	146	15.9	10.92	74.30	1	1	1	1	1	63.39	85.30901256
7787	05/01/2021	3	3.2	3.2.1.1	-	746	75	54.3	21	4.7	13.4	3.9	99	52.3	52.95	74.16	1	1	1	1	1	21.21	28.60296295
7788	05/01/2021	3	3.2	3.2.1.1	-	742	49	39.8	30	4.8	14.1	4.2	144	59.2	41.13	74.13	1	1	1	1	1	33.01	44.52672699
7789	05/01/2021	3	3.2	3.2.1.1	vspl2201112382944	734	42	39	27	4.6	13.1	3.8	124	49.8	40.08	74.08	1	1	1	1	1	34.00	45.89826183
7790	05/01/2021	3	3.2	3.2.1.1	-	723	35	36.3	31	4.7	13.6	3.9	146	53.0	36.40	74.01	1	1	1	1	1	37.61	50.81476145
7791	05/01/2021	3	3.2	3.2.1.1	vspl2201112981596	720	20	18.2	30	2.4	20.4	1.2	72	24.5	34.00	73.99	1	1	1	1	1	39.99	54.05032841
7792	05/01/2021	3	3.2	3.2.1.1	-	701	114	52.9	30	4.7	20.6	3.7	141	76.2	54.06	73.87	1	1	1	1	1	19.82	26.82417576
7793	05/01/2021	3	3.2	3.2.1.1	vspl2201112981556	700	7	42.7	31	4.9	15.5	4.3	152	66.7	43.88	73.87	1	1	1	1	1	29.99	40.59844716
7794	05/01/2021	3	3.2	3.2.1.3	-	691	120	49.7	32	4.7	20.7	3.5	150	72.5	48.17	73.81	1	1	1	1	1	25.64	34.73433572

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7795	05/01/2021	3	3.2	3.2.1.3	-	713	92	62.5	21	4.6	15.3	3.9	97	59.7	61.77	73.95	1	1	1	0	0	12.18	16.46943262
7796	05/01/2021	3	3.2	3.2.1.3	vspl22011011375674	715	50	40.9	31	4.5	15.3	3.8	140	58.1	41.68	73.96	1	1	1	1	1	32.28	43.65022666
7797	05/01/2021	3	3.2	3.2.1.3	-	711	52	40.6	29	4.8	14.6	3.9	139	56.9	40.91	73.94	1	1	1	1	1	33.03	44.67519055
7798	05/01/2021	3	3.2	3.2.1.3	-	700	91	56.5	24	4.7	16.1	4.04	113	65.0	57.66	73.87	1	1	1	1	0	16.20	21.93550406
7799	05/01/2021	3	3.2	3.2.1.3	vspl22011011375668	696	46	16.8	31	4.6	15.7	2.5	143	39.3	27.52	73.84	1	1	1	1	1	46.32	62.72427536
7800	05/01/2021	3	3.2	3.2.1.3	-	699	16	54.6	19	2.5	14.8	1.8	48	26.6	56.08	73.86	1	1	1	1	0	17.78	24.06645781
7801	05/01/2021	3	3.2	3.2.1.3	vspl220110112981551	693	46	63.2	31	4.6	25.3	3.7	143	93.6	65.65	73.82	1	1	0	0	0	8.18	11.07546167
7802	05/01/2021	3	3.2	3.2.1.3	vspl220110112981462	693	73	45.7	29	4.6	16.5	3.7	133	61.1	45.76	73.82	1	1	1	1	1	28.06	38.00613145
7803	05/01/2021	3	3.2	3.2.1.3	vspl2201101120182201	670	102	47	21	4.5	15.9	3.7	95	58.8	62.25	73.67	1	1	1	0	0	11.42	15.50076248
7804	05/01/2021	3	3.2	3.2.1.3	-	650	122	43.1	30	4.4	20.7	3.4	132	70.4	53.32	73.55	1	1	1	1	1	20.23	27.50362791
7805	05/01/2021	3	3.2	3.2.1.3	-	672	54	43.9	20	4.3	13.3	4.3	86	57.2	66.50	73.69	1	0	0	0	0	7.19	9.753171531
7806	05/01/2021	3	3.2	3.2.1.3	vspl2201101120182137	670	43	39.8	28	4.6	14.5	3.7	129	53.7	41.65	73.67	1	1	1	1	1	32.02	43.46210779
7807	05/01/2021	3	3.2	3.2.1.3	vspl2201101120382942	669	14	32.7	30	4.1	13.3	3.1	123	41.2	33.52	73.67	1	1	1	1	1	40.15	54.4978726
7808	05/01/2021	3	3.2	3.2.1.3	-	672	46	41.1	32	4.6	15.5	2.5	147	38.8	26.32	73.69	1	1	1	1	1	47.36	64.27483856
7809	05/01/2021	3	3.2	3.2.1.3	-	660	41	20.1	32	3.6	7	2.1	115	14.7	12.76	73.61	1	1	1	1	1	60.85	82.66483268
7810	05/01/2021	3	3.2	3.2.1.3	vspl2201101120382937	650	26	33.7	31	3.3	16.2	3.2	102	51.8	50.67	73.55	1	1	1	1	1	22.87	31.09824218
7811	05/01/2021	3	3.2	3.2.1.3	-	641	65	40.8	32	4.3	16.8	3.3	138	55.4	40.29	73.49	1	1	1	1	1	33.20	45.17407145
7812	05/01/2021	3	3.2	3.2.1.3	vspl2201101120282681	635	48	44.4	31	4.4	16.3	3.7	136	60.3	44.22	73.45	1	1	1	1	1	29.23	39.80184817
7813	05/01/2021	3	3.2	3.2.1.3	-	629	103	61.8	31	4.4	15	3.7	136	55.5	40.69	73.41	1	1	1	1	1	32.72	44.57395077
7814	05/01/2021	3	3.2	3.2.1.3	vspl220110120981594	750	123	52.9	30	5.4	21	4.2	162	88.2	54.44	74.19	1	1	1	1	1	19.74	26.61089094
7815	05/01/2021	3	3.2	3.2.1.3	-	791	37	36.6	21	4.1	11.4	2.7	86	30.8	35.75	74.45	1	1	1	1	1	38.70	51.98133349
7816	05/01/2021	3	3.2	3.2.1.3	-	785	126	56.8	31	5	22.4	4.02	155	90.0	58.10	74.41	1	1	1	1	0	16.31	21.92516615
7817	05/01/2021	3	3.2	3.2.1.3	vspl22011012	795	60	77.1	21	5.01	12.5	3.9	105	48.8	46.34	74.47	1	1	1	1	1	28.14	37.78244806
7818	05/01/2021	3	3.2	3.2.1.2	vspl	815	57	36.2	32	5.6	14	4.6	179	64.4	35.94	74.60	1	1	1	1	1	38.66	51.82769899
7819	05/01/2021	3	3.2	3.2.1.2	vspl	815	136	54.6	31	5.6	22.4	4.3	174	96.3	55.48	74.60	1	1	1	1	1	19.12	25.62683176

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7820	05/01/2021	3	3.2	3.2.1.2	vspl	812	53	43.5	32	4.4	12.7	3.4	141	43.2	30.67	74.58	1	1	1	1	1	43.92	58.88111785
7821	05/01/2021	3	3.2	3.2.1.2	vspl220110114278634	813	96	46.7	31	5.07	19.6	3.7	157	72.5	46.14	74.59	1	1	1	1	1	28.45	38.13967561
7822	05/01/2021	3	3.2	3.2.1.2	vspl	812	44	43.6	20	4.1	11.8	3.1	82	36.6	44.61	74.58	1	1	1	1	1	29.97	40.18760881
7823	05/01/2021	3	3.2	3.2.1.2	vspl22011010382807	810	37	33	26	4.8	11.9	3.8	125	45.2	36.23	74.57	1	1	1	1	1	38.34	51.40944836
7824	05/01/2021	3	3.2	3.2.1.2	vspl	808	45	42.2	22	4.4	11.8	3.3	97	38.9	40.23	74.56	1	1	1	1	1	34.33	46.04508655
7825	05/01/2021	3	3.2	3.2.1.2	vspl2201100382799	814	62	45.7	23	5	13.2	3.8	115	50.2	43.62	74.60	1	1	1	1	1	30.98	41.52819831
7826	05/01/2021	3	3.2	3.2.1.2	vspl	807	61	50.3	30	4.6	12.8	3.7	138	47.4	34.32	74.55	1	1	1	1	1	40.23	53.96583192
7827	05/01/2021	3	3.2	3.2.1.2	vspl2201101038001	794	70	35.5	30	4.8	17.6	3.03	144	53.3	37.03	74.47	1	1	1	1	1	37.43	50.26919985
7828	05/01/2021	3	3.2	3.2.1.2	vspl	806	15	26.2	27	4.02	10.9	2.6	109	28.3	26.11	74.54	1	1	1	1	1	48.43	64.97364015
7829	05/01/2021	3	3.2	3.2.1.2	vspl22011011275255	883	104	45.5	31	4.8	19.7	3.5	149	69.0	46.34	75.04	1	1	1	1	1	28.70	38.24747513
7830	05/01/2021	3	3.2	3.2.1.2	vspl	577	56	51.1	20	3.7	13.1	3.05	74	40.0	53.99	73.08	1	1	1	1	1	19.09	26.11640689
7831	05/01/2021	3	3.2	3.2.1.2	vspl2201102881222	826	36	30.4	30	5.1	12.2	3.9	153	47.6	31.10	74.67	1	1	1	1	1	43.57	58.35403815
7832	05/01/2021	3	3.2	3.2.1.2	vspl	819	21	26	29	4.9	11.5	3.2	142	36.8	25.90	74.63	1	1	1	1	1	48.73	65.29801916
7833	05/01/2021	3	3.2	3.2.1.2	vspl2201101282505	818	32	29.9	29	4.8	11.3	3.08	139	34.8	25.00	74.62	1	1	1	1	1	49.62	66.49360562
7834	05/01/2021	3	3.2	3.2.1.2	vspl	820	17	27	29	4.2	11	2.8	122	30.8	25.29	74.63	1	1	1	1	1	49.35	66.11818163
7835	05/01/2021	3	3.2	3.2.1.2	vspl22011012178843	820	36	33.3	28	4.7	11.9	3.8	132	45.2	34.36	74.63	1	1	1	1	1	40.27	53.9597206
7836	05/01/2021	3	3.2	3.2.1.2	vspl	820	27	30.5	27	4.3	11.2	2.8	116	31.4	27.01	74.63	1	1	1	1	1	47.62	63.80845561
7837	05/01/2021	3	3.2	3.2.1.2	vspl	830	88	45.6	30	5.2	18.3	4.04	156	73.9	47.39	74.70	1	1	1	1	1	27.31	36.55478367
7838	05/01/2021	3	3.2	3.2.1.2	vspl	854	57	50.7	19	5.2	11.9	4.03	99	48.0	48.54	74.85	1	1	1	1	1	26.31	35.15238995
7839	05/01/2021	3	3.2	3.2.1.2	vspl	807	113	47.7	31	5.2	20.3	4.4	161	89.3	55.41	74.55	1	1	1	1	1	19.14	25.6756074
7840	05/01/2021	3	3.2	3.2.1.2	vspl	865	71	39.1	30	5.2	14	4.3	156	60.2	38.59	74.92	1	1	1	1	1	36.33	48.49344173
7841	05/01/2021	3	3.2	3.2.1.2	vspl	864	87	42.4	31	5.3	18.9	3.7	164	69.9	42.56	74.92	1	1	1	1	1	32.35	43.18621772
7842	05/01/2021	3	3.2	3.2.1.4	vspl	861	57	37.3	31	5.07	14	4.1	157	57.4	36.52	74.90	1	1	1	1	1	38.38	51.23802404
7843	05/01/2021	3	3.2	3.2.1.4	vspl	867	102	51.4	31	5.2	20.2	4.1	161	82.8	51.38	74.93	1	1	1	1	1	23.56	31.43750138
7844	05/01/2021	3	3.2	3.2.1.4	vspl2201106773152	879	38	37.3	20	4.2	11.6	2.8	84	32.5	38.67	75.01	1	1	1	1	1	36.34	48.45241714

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7845	05/01/2021	3	3.2	3.2.1.4	vspl22011012881224	882	62	36.4	30	5.4	16.9	3.5	162	59.2	36.51	75.03	1	1	1	1	1	38.52	51.33685676
7846	05/01/2021	3	3.2	3.2.1.4	vspl22011012178638	889	49	40.9	22	4.8	11.1	3.6	106	40.0	37.84	75.08	1	1	1	1	1	37.23	49.59626151
7847	05/01/2021	3	3.2	3.2.1.4	vspl22011012178637	885	80	39.7	30	5.5	18.7	3.7	165	69.2	41.93	75.05	1	1	1	1	1	33.12	44.12613813
7848	05/01/2021	3	3.2	3.2.1.4	vspl22011010383001	887	48	44.4	20	4.5	21.1	3.4	90	71.7	79.71	75.06	1	0	0	0	0	-4.65	-6.192562909
7849	05/01/2021	3	3.2	3.2.1.4	vspl220110170382999	886	90	43.6	30	5.4	19.6	3.6	162	70.6	43.56	75.06	1	1	1	1	1	31.50	41.96956481
7850	05/01/2021	3	3.2	3.2.1.4	vspl220110120382809	883	49	39.6	23	4.8	12.5	3.7	110	46.3	41.89	75.04	1	1	1	1	1	33.14	44.17020366
7851	05/01/2021	3	3.2	3.2.1.4	vspl22011010383003	882	47	32.2	29	5.5	12.1	4.3	160	52.0	32.62	75.03	1	1	1	1	1	42.41	56.52360143
7852	05/01/2021	3	3.2	3.2.1.4	vspl220110132881217	886	62	45.1	23	5.3	13.1	4.2	122	55.0	45.14	75.06	1	1	1	1	1	29.92	39.86474591
7853	05/01/2021	3	3.2	3.2.1.4	vspl220110128812123	822	73	36.3	30	4.9	17.5	3.1	147	54.3	36.90	74.65	1	1	1	1	1	37.74	50.56082524
7854	05/01/2021	3	3.2	3.2.1.4	vspl220110128811225	865	39	34.6	23	4.6	11.2	3.3	106	37.0	34.93	74.92	1	1	1	1	1	39.99	53.37305807
7855	05/01/2021	3	3.2	3.2.1.4	vspl22011012861216	917	56	33	30	5.7	12.9	4.9	171	63.2	36.96	75.25	1	1	1	1	1	38.29	50.8803262
7856	05/01/2021	3	3.2	3.2.1.4	vspl220110120282459	808	31	32.5	28	5.1	12.1	4.05	143	49.0	34.32	74.56	1	1	1	1	1	40.24	53.97194786
7857	05/01/2021	3	3.2	3.2.1.4	vspl22011012881242	896	43	30.8	28	5.2	11.7	4.01	146	46.9	32.22	75.12	1	1	1	1	1	42.90	57.10457574
7858	05/01/2021	3	3.2	3.2.1.4	vspl220110120282454	751	15	31.1	27	3.1	12.1	2.2	84	26.6	31.80	74.19	1	1	1	1	1	42.39	57.13299189
7859	05/01/2021	3	3.2	3.2.1.4	vspl2201101282454	840	14	28.8	27	3.2	10.9	2.1	86	22.9	26.49	74.76	1	1	1	1	1	48.27	64.56347402
7860	05/01/2021	3	3.2	3.2.1.4	vspl	840	20	19.4	30	1.4	20.2	1	42	20.2	48.10	74.76	1	1	1	1	1	26.67	35.66887176
7861	05/01/2021	3	3.2	3.2.1.4	vspl	920	20	26	30	5.2	20.5	5.2	156	106.6	68.33	75.27	1	0	0	0	0	6.94	9.220536529
7862	05/01/2021	3	3.2	3.2.1.4	vspl	930	59	50	30	2.4	23.4	5.2	72	121.7	169.00	75.34	1	1	1	1	1	-93.66	-124.3223871
7863	05/01/2021	3	3.2	3.2.1.4	vspl	920	112	62	30	6.4	20.4	1.4	192	28.6	14.88	75.27	1	1	1	1	1	60.40	80.2388607
7864	05/01/2021	3	3.2	3.2.1.4	vspl220110112880486	1001	98	62	21	7.09	15.1	6.2	149	93.6	62.88	75.79	1	1	1	0	0	12.91	17.03833731
7865	05/01/2021	3	3.2	3.2.1.4	vspl22011018809687	1005	63	32	32	5.6	16.8	3.4	179	57.1	31.88	75.82	1	1	1	1	1	43.94	57.95853227

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7866	05/01/2021	5	5.1	5.1.3.3	VSPL2202881278		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7867	05/01/2021	5	5.1	5.1.3.3	VSPL220101229248		165						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7868	05/01/2021	5	5.1	5.1.3.3	VSPL2201012869254		163						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7869	05/01/2021	5	5.1	5.1.3.4	VSPL220106913		163						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7870	05/01/2021	5	5.1	5.1.3.4	VSPL22010112562494		165						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7871	05/01/2021	5	5.1	5.1.4.3	VSPL22010122		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7872	05/01/2021	5	5.1	5.1.4.4	NA		164						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7873	05/01/2021	5	5.1	5.1.4.4	VSPL2201012167787		164						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7874	05/01/2021	5	5.2	5.2.3.3	VSPL220122268217		164						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7875	05/01/2021	5	5.2	5.2.3.3	VSPL2201022268193		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7876	05/01/2021	5	5.2	5.2.3.3	VSPL22012268220		164						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7877	05/01/2021	5	5.2	5.2.3.3	VSPL220122268221		165						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7878	05/01/2021	5	5.2	5.2.3.4	VSPL2201012468970		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7879	05/01/2021	5	5.4	5.4.2.3	2300043002		165						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7880	05/01/2021	5	5.4	5.4.2.3	2300042988		165						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7881	05/01/2021	5	5.4	5.4.2.3	2300034793		163						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7882	05/01/2021	5	5.4	5.4.2.3	2300044113		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7883	05/01/2021	5	5.4	5.4.1.4	NA		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7884	05/01/2021	5	5.4	5.4.1.4	2300051949		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7885	06/01/2021	5	5.4	5.4.1.2	VSPL22011010672853		162						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7886	06/01/2021	5	5.4	5.4.1.4	2300051947		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7887	06/01/2021	5	5.4	5.4.1.2	2300051327		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7888	06/01/2021	5	5.4	5.4.1.4	2300051137		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7889	06/01/2021	5	5.4	5.4.1.4	2300051331		165						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7890	06/01/2021	5	5.4	5.4.1.4	2300051316		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7891	06/01/2021	5	5.4	5.4.1.2	2300051062		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7892	06/01/2021	5	5.4	5.4.5.2	NA		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7893	06/01/2021	5	5.4	5.4.5.4	NA		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7894	06/01/2021	5	5.4	5.4.5.4	NA		162						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7895	06/01/2021	5	5.4	5.4.5.1	NA		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7896	06/01/2021	5	5.3	5.3.7.2	2300047274		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7897	06/01/2021	5	5.3	5.3.7.4	2300042960		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7898	06/01/2021	5	5.3	5.3.7.2	2300050478		165						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7899	06/01/2021	5	5.3	5.3.7.4	2300042954		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7900	06/01/2021	5	5.3	5.3.7.2	2300041980		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7901	06/01/2021	5	5.3	5.3.7.4	2300043025		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7902	06/01/2021	5	5.3	5.3.7.2	NA		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7903	06/01/2021	5	5.3	5.3.7.1	NA		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7904	06/01/2021	5	5.3	5.3.7.1	NA		162						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7905	06/01/2021	5	5.3	5.3.7.1	2300050473		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7906	06/01/2021	5	5.3	5.3.7.1	2300060170		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7907	06/01/2021	5	5.3	5.3.7.3	2300049722		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7908	06/01/2021	5	5.3	5.3.7.3	2300050478		165						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7909	06/01/2021	5	5.5	5.5.3.4	2300040617		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7910	06/01/2021	5	5.5	5.5.3.4	2300044757		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7911	06/01/2021	5	5.5	5.5.3.3	2300040692		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7912	06/01/2021	5	5.5	5.5.3.3	2300044708		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7913	06/01/2021	5	5.5	5.5.5.1	2300045325	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
7914	06/01/2021	5	5.5	5.5.5.2	2300045193	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
7915	06/01/2021	5	5.5	5.5.5.2	2300045199	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
7916	06/01/2021	5	5.5	5.5.5.2	2300045190	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
7917	06/01/2021	5	5.5	5.5.6.1	2300045197	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
7918	06/01/2021	5	5.5	5.5.6.1	2300045555	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
7919	06/01/2021	5	5.5	5.5.6.2	2300039977	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
7920	06/01/2021	5	5.5	5.5.6.2	2300039549	713	41	33.7	32	4.7	15.9	3.6	150	57.2	38.06	73.95	1	1	1	1	1	35.89	48.53424968

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7921	06/01/2021	5	5.5	5.5.6.2	NA	726	23	26.9	31	3.9	16.8	3.4	121	57.1	47.25	74.03	1	1	1	1	1	26.79	36.18245853
7922	06/01/2021	5	5.5	5.5.6.2	2300043404	892	27	28.4	30	4.5	17.3	3.8	135	65.7	48.70	75.09	1	1	1	1	1	26.40	35.15357082
7923	06/01/2021	5	5.5	5.5.6.3	2300045567	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
7924	06/01/2021	5	5.5	5.5.6.3	2300043496	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
7925	06/01/2021	5	5.5	5.5.6.3	2300039544	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
7926	06/01/2021	5	5.5	5.5.6.3	NA	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
7927	06/01/2021	5	5.5	5.5.6.3	2300043320	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
7928	06/01/2021	5	5.5	5.5.6.3	2300043319	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
7929	06/01/2021	5	5.5	5.5.6.3	NA	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
7930	06/01/2021	5	5.5	5.5.6.4	2300039869	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
7931	06/01/2021	5	5.5	5.5.6.4	2300043479	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
7932	06/01/2021	5	5.5	5.5.6.4	2300043407	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
7933	06/01/2021	5	5.5	5.5.6.4	2300043316	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
7934	06/01/2021	5	5.5	5.5.6.4	2300043475	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
7935	06/01/2021	5	5.6	5.6.1.2	2300044888	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
7936	06/01/2021	5	5.6	5.6.1.2	NA	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
7937	06/01/2021	5	5.6	5.6.1.2	NA	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
7938	06/01/2021	5	5.6	5.6.1.2	2300043605	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
7939	06/01/2021	5	5.6	5.6.1.3	2300053220	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
7940	06/01/2021	5	5.6	5.6.1.3	2300056916	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
7941	06/01/2021	5	5.6	5.6.1.3	NA	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
7942	06/01/2021	5	5.6	5.6.1.4	43073	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
7943	06/01/2021	5	5.6	5.6.1.4	83078	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
7944	06/01/2021	5	5.6	5.6.1.4	NA	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
7945	06/01/2021	5	5.6	5.6.1.4	2300043076	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
7946	06/01/2021	5	5.6	5.6.1.4	2300073589	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
7947	06/01/2021	5	5.6	5.6.1.4	NA	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
7948	06/01/2021	5	5.6	5.6.2.3	2300051940	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
7949	06/01/2021	5	5.6	5.6.3.1	2300056637	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
7950	06/01/2021	5	5.6	5.6.3.1	2300043085	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7951	06/01/2021	5	5.6	5.6.3.1	2300056577	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
7952	06/01/2021	5	5.6	5.6.3.1	2300056282	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
7953	06/01/2021	5	5.6	5.6.3.1	2300056572	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
7954	06/01/2021	5	5.6	5.6.3.2	NA	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
7955	06/01/2021	5	5.6	5.6.3.3	2300044247	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
7956	06/01/2021	5	5.6	5.6.3.3	2300044826	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
7957	06/01/2021	5	5.6	5.6.3.4	NA	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
7958	06/01/2021	5	5.6	5.6.3.4	NA	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
7959	06/01/2021	5	5.6	5.6.3.4	2300043072	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
7960	06/01/2021	5	5.6	5.6.3.4	2300043082	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
7961	06/01/2021	5	5.6	5.6.3.4	NA	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
7962	06/01/2021	5	5.6	5.6.4.1	NA	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
7963	06/01/2021	5	5.6	5.6.4.1	2300056321	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
7964	06/01/2021	5	5.6	5.6.4.1	2300056466	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
7965	06/01/2021	5	5.6	5.6.4.2	NA	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
7966	06/01/2021	5	5.6	5.6.4.2	NA	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
7967	06/01/2021	5	5.6	5.6.4.2	NA	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
7968	06/01/2021	5	5.6	5.6.4.2	NA	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
7969	06/01/2021	5	5.6	5.6.4.3	2300047741	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
7970	06/01/2021	5	5.6	5.6.4.3	NA	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
7971	06/01/2021	5	5.6	5.6.4.4	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
7972	06/01/2021	5	5.6	5.6.4.4	NA	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
7973	06/01/2021	5	5.6	5.6.4.4	NA	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
7974	06/01/2021	5	5.6	5.6.4.4	NA	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
7975	06/01/2021	3	3.2	3.2.6.2	VSPL2202078155		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7976	06/01/2021	3	3.2	3.2.6.2	VSPL220112178524		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7977	06/01/2021	3	3.2	3.2.6.2	VSPL22012178528		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7978	06/01/2021	3	3.2	3.2.6.2	VSPL2201112078170		162						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
7979	06/01/2021	3	3.2	3.2.6.2	VSPL2201110881879		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7980	06/01/2021	3	3.2	3.2.6.2	VSPL2201012065216		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7981	06/01/2021	3	3.2	3.2.6.2	VSPL2201012105777		161						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7982	06/01/2021	3	3.2	3.2.6.2	VSPL2201112580377		165						0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7983	06/01/2021	8	8.3	8.3.2.3	2300035822	1003	48	47	15	6.3	8.6	5.3	95	45.6	48.23	75.81	1	1	1	1	1	27.57	36.37269708
7984	06/01/2021	8	8.3	8.3.2.3	2300035748	989	68	52	18	6.6	11	5.8	119	63.8	53.70	75.72	1	1	1	1	1	22.01	29.07181122
7985	06/01/2021	8	8.3	8.3.2.3	2300035803	954	36	39.9	30	4.6	14.5	3.9	138	56.6	40.98	75.49	1	1	1	1	1	34.51	45.71811848
7986	06/01/2021	8	8.3	8.3.2.3	2300035553	947	89	44.1	30	5.4	18.6	3.8	162	70.7	43.63	75.45	1	1	1	1	1	31.82	42.17166317
7987	06/01/2021	8	8.3	8.3.2.3	2300035223	628	107	50.8	30	6.2	19.5	4.9	186	95.6	51.37	73.41	1	1	1	1	1	22.03	30.01726343
7988	06/01/2021	8	8.3	8.3.2.3	2300035917	936	20	20.4	30	2.4	20.2	1.4	72	28.3	39.28	75.38	1	1	1	1	1	36.10	47.8911466
7989	06/01/2021	8	8.3	8.3.2.3	2300036502	525	46	54.6	30	3.2	21.7	2.4	96	52.1	54.25	72.75	1	1	1	1	1	18.50	25.42545295
7990	06/01/2021	8	8.3	8.3.2.3	2300035340	530	20	18.4	30	2.4	18.5	1	72	18.5	25.69	72.78	1	1	1	1	1	47.08	64.69476429
7991	06/01/2021	8	8.3	8.3.2.3	2300037988	733	102	51	29	5.6	20.5	4.4	162	90.2	55.54	74.08	1	1	1	1	1	18.54	25.02163699
7992	06/01/2021	8	8.3	8.3.2.3	2300038627	1002	81	39.6	31	4.6	16.6	2.9	143	48.1	33.76	75.80	1	1	1	1	1	42.04	55.46266461
7993	06/01/2021	8	8.3	8.3.2.3	2300038623	1037	36	24.4	32	2.8	17	1.3	90	22.1	24.67	76.02	1	1	1	1	1	51.36	67.555551
7994	06/01/2021	8	8.3	8.3.2.3	2300038629	1001	100	51.1	30	6.7	14.5	5.7	201	82.7	41.12	75.79	1	1	1	1	1	34.67	45.74732693
7995	06/01/2021	8	8.3	8.3.2.3	2300039492	1036	100	50.1	30	6.8	14	5.8	204	81.2	39.80	76.02	1	1	1	1	1	36.21	47.63771822
7996	06/01/2021	8	8.3	8.3.2.3	2300039491	1040	90	50.4	30	7.4	20.8	2.4	222	49.9	22.49	76.04	1	1	1	1	1	53.56	70.42885973
7997	06/01/2021	8	8.3	8.3.2.3	2300029486	651	26	59.6	30	3.9	24.2	2.9	117	70.2	59.98	73.55	1	1	1	0	0	13.57	18.44874405
7998	06/01/2021	8	8.3	8.3.2.3	2300038291	959	59	43.8	21	5.1	13.1	3.8	107	49.8	46.48	75.52	1	1	1	1	1	29.04	38.45642249
7999	06/01/2021	8	8.3	8.3.2.3	2300030840	996	26	17.8	30	4.5	5.7	4.4	135	25.1	18.58	75.76	1	1	1	1	1	57.18	75.4782475
8000	06/01/2021	8	8.3	8.3.2.3	2300038295	994	104	45.1	30	6.9	19.2	5.08	207	97.5	47.12	75.75	1	1	1	1	1	28.63	37.79493927
8001	06/01/2021	8	8.3	8.3.2.3	2300028807	987	132	58.2	30	6.7	21.5	5.4	201	116.1	57.76	75.70	1	1	1	1	0	17.94	23.70005597
8002	06/01/2021	8	8.3	8.3.2.3	2300038329	983	60	38.8	25	5.7	12.4	4.6	143	57.0	40.03	75.68	1	1	1	1	1	35.65	47.10682983
8003	06/01/2021	8	8.3	8.3.2.3	2300029485	973	108	49.4	30	6.4	20	4.9	192	98.0	51.04	75.61	1	1	1	1	1	24.57	32.49635425
8004	06/01/2021	8	8.3	8.3.2.3	2300029488	982	49	30.4	28	5.2	11.9	3.9	146	46.4	31.88	75.67	1	1	1	1	1	43.80	57.87675034
8005	06/01/2021	8	8.3	8.3.2.3	2300038130	995	109	48	30	6.8	20.9	4.8	204	100.3	49.18	75.75	1	1	1	1	1	26.58	35.08399479
8006	06/01/2021	8	8.3	8.3.2.1	2300035536	930	20	20.5	30	2.4	18.9	2.1	72	39.7	55.13	75.34	1	1	1	1	1	20.21	26.82975391

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8007	06/01/2021	8	8.3	8.3.2.1	2300035126	737	120	0.653	16.3	7.83	16.3	7.33	128	119.5	93.61	74.10	1	1	1	1	1	-19.51	-26.33031945
8008	06/01/2021	8	8.3	8.3.2.1	2300035334	742	22	0.427	9.5	2.29	9.5	2.30	22	21.9	100.44	74.13	1	1	1	1	1	-26.30	-35.47845441
8009	06/01/2021	8	8.3	8.3.2.1	2300034957	806	28	0.708	10.0	2.77	10.0	2.79	28	27.9	100.72	74.54	1	1	1	1	1	-26.18	-35.11681851
8010	06/01/2021	8	8.3	8.3.2.1	2300035776	759	136	0.541	21.2	7.16	21.2	6.40	152	135.7	89.39	74.24	1	1	1	1	0	-15.14	-20.3948554
8011	06/01/2021	8	8.3	8.3.2.1	2300038259	830	127	0.655	17.0	8.10	17.0	7.49	138	127.3	92.47	74.70	1	1	1	1	0	-17.77	-23.79064473
8012	06/01/2021	8	8.3	8.3.2.1	2300035552	874	42	0.655	11.3	3.69	11.3	3.72	42	42.0	100.81	74.98	1	1	1	1	1	-25.83	-34.45391564
8013	06/01/2021	8	8.3	8.3.2.1	2300035510	920	19	0.318	11.0	1.75	11.0	1.75	19	19.3	100.00	75.27	1	1	1	1	1	-24.73	-32.84799532
8014	06/01/2021	8	8.3	8.3.2.1	-	907	34	0.444	10.8	3.12	10.8	3.14	34	33.9	100.64	75.19	1	1	1	1	1	-25.45	-33.84752608
8015	06/01/2021	8	8.3	8.3.2.1	2300038613	906	114	0.641	16.3	7.57	16.3	6.98	123	113.8	92.21	75.18	1	1	1	1	0	-17.02	-22.63990484
8016	06/01/2021	8	8.3	8.3.2.1	2300029494	898	116	0.642	16.0	7.81	16.0	7.25	125	116.0	92.83	75.13	1	1	1	1	0	-17.70	-23.55350964
8017	06/01/2021	8	8.3	8.3.2.1	2300030226	882	118	0.656	16.3	7.65	16.3	7.24	125	118.0	94.64	75.03	1	1	1	1	1	-19.61	-26.13556416
8018	06/01/2021	8	8.3	8.3.2.1	2300038032	872	116	0.643	16.0	7.77	16.0	7.20	124	115.2	92.66	74.97	1	1	1	1	0	-17.70	-23.60684018
8019	06/01/2021	8	8.3	8.3.2.1	2300030344	874	109	0.426	15.5	7.46	15.5	7.02	116	108.8	94.10	74.98	1	1	1	1	1	-19.12	-25.5033058
8020	06/01/2021	8	8.3	8.3.2.1	2300038383	905	109	0.431	15.8	7.39	15.8	6.91	117	109.2	93.50	75.18	1	1	1	1	0	-18.33	-24.37779155
8021	06/01/2021	8	8.3	8.3.2.1	2300029842	842	111	0.424	15.7	7.59	15.7	7.06	119	110.8	93.02	74.77	1	1	1	1	0	-18.24	-24.39635786
8022	06/01/2021	8	8.3	8.3.2.1	2300038427	837	132	0.620	26.2	5.45	26.2	5.03	143	131.8	92.29	74.74	1	1	1	1	0	-17.55	-23.48156342
8023	06/01/2021	8	8.3	8.3.2.1	2300038885	896	100	0.432	16.1	6.74	16.1	6.23	109	100.3	92.43	75.12	1	1	1	1	0	-17.31	-23.04678146
8024	06/01/2021	8	8.3	8.3.2.1	2300029416	870	128	0.708	25.5	5.37	25.5	5.03	137	128.3	93.67	74.95	1	1	1	1	0	-18.71	-24.96801887
8025	06/01/2021	8	8.3	8.3.2.1	2300029252	893	15	0.361	10.3	1.43	10.3	1.43	15	14.7	100.00	75.10	1	1	1	1	1	-24.90	-33.15366466
8026	06/01/2021	8	8.3	8.3.2.1	2300037732	749	101	0.624	16.4	6.89	16.4	6.19	113	101.5	89.84	74.18	1	1	1	1	0	-15.66	-21.11193419
8027	06/01/2021	8	8.3	8.3.2.1	2300038294	783	27	0.845	10.0	2.66	10.0	2.68	27	26.8	100.75	74.40	1	1	1	1	1	-26.35	-35.42428976
8028	06/01/2021	8	8.3	8.3.2.1	2300038131	768	27	0.327	11.9	2.33	11.9	2.24	28	26.7	96.14	74.30	1	1	1	1	1	-21.84	-29.38867617
8029	06/01/2021	8	8.3	8.3.2.4	2300030321	764	105	0.608	16.2	6.97	16.2	6.46	113	104.7	92.68	74.28	1	1	1	1	0	-18.41	-24.78246804
8030	06/01/2021	8	8.3	8.3.2.4	2300038299	770	104	0.659	16.7	6.75	16.7	6.22	113	103.9	92.15	74.31	1	1	1	1	0	-17.83	-23.99836928
8031	06/01/2021	8	8.3	8.3.2.4	2300038264	776	103	0.403	15.4	7.22	15.4	6.70	111	103.2	92.80	74.35	1	1	1	1	0	-18.45	-24.80805453
8032	06/01/2021	8	8.3	8.3.2.4	2300035767	770	115	0.652	16.9	7.31	16.9	6.80	124	114.9	93.02	74.31	1	1	1	1	1	-18.71	-25.17595045
8033	06/01/2021	8	8.3	8.3.2.4	2300035414	810	105	0.395	15.5	7.25	15.5	6.75	112	104.6	93.10	74.57	1	1	1	1	0	-18.53	-24.85375925
8034	06/01/2021	8	8.3	8.3.2.4	2300035219	783	39	0.780	10.9	3.58	10.9	3.60	39	39.2	100.56	74.40	1	1	1	1	1	-26.16	-35.16457503
8035	06/01/2021	8	8.3	8.3.2.4	2300035443	791	25	0.672	10.5	2.35	10.5	2.35	25	24.7	100.00	74.45	1	1	1	1	1	-25.55	-34.32122114
8036	06/01/2021	8	8.3	8.3.2.4	2300055497	827	110	0.517	21.1	6.04	21.1	5.21	127	109.9	86.26	74.68	1	1	1	0	0	-11.58	-15.50570998

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8037	06/01/2021	8	8.3	8.3.2.4	2300035255	849	11	0.262	9.1	1.18	9.1	1.18	11	10.7	100.00	74.82	1	1	1	1	1	-25.18	-33.65481772
8038	06/01/2021	8	8.3	8.3.2.4	2300036648	790	115	0.676	16.7	7.17	16.7	6.88	120	114.9	95.96	74.44	1	1	1	1	1	-21.51	-28.89950511
8039	06/01/2021	8	8.3	8.3.2.4	2300039459	916	133	0.521	21.3	7.15	21.3	6.26	152	133.3	87.55	75.25	1	1	1	0	0	-12.30	-16.35124142
8040	06/01/2021	8	8.3	8.3.2.4	2300040866	932	116	0.621	16.5	7.55	16.5	7.05	125	116.3	93.38	75.35	1	1	1	1	0	-18.03	-23.9236789
8041	06/01/2021	8	8.3	8.3.2.4	2300040865	939	105	0.697	16.2	6.43	16.2	6.48	104	105.0	100.78	75.40	1	1	1	1	1	-25.38	-33.66510112
8042	06/01/2021	8	8.3	8.3.2.4	2300029062	942	133	0.557	21.8	6.84	21.8	6.13	149	133.6	89.62	75.41	1	1	1	0	0	-14.21	-18.83593544
8043	06/01/2021	8	8.3	8.3.2.4	2300030319	846	112	0.712	25.8	4.63	25.8	4.36	119	112.5	94.17	74.80	1	1	1	1	1	-19.37	-25.8929986
8044	06/01/2021	8	8.3	8.3.2.4	2300029652	679	129	0.508	21.2	7.45	21.2	6.06	158	128.5	81.34	73.73	1	1	0	0	0	-7.61	-10.32214394
8045	06/01/2021	8	8.3	8.3.2.4	2300029654	934	106	0.429	15.5	7.08	15.5	6.84	110	106.0	96.61	75.36	1	1	1	1	1	-21.25	-28.1920841
8046	06/01/2021	8	8.3	8.3.2.4	2300030335	841	108	0.641	16.7	7.02	16.7	6.46	117	107.9	92.02	74.77	1	1	1	1	0	-17.25	-23.07711817
8047	06/01/2021	8	8.3	8.3.2.4	2300030336	958	105	0.636	16.7	6.90	16.7	6.28	115	104.9	91.01	75.52	1	1	1	1	0	-15.50	-20.52154046
8048	06/01/2021	8	8.3	8.3.2.4	2300038129	939	106	0.625	16.2	7.06	16.2	6.52	114	105.6	92.35	75.40	1	1	1	1	0	-16.96	-22.4889447
8049	06/01/2021	8	8.3	8.3.2.4	2300040888	934	86	0.381	13.6	6.29	13.6	6.34	86	86.2	100.79	75.36	1	1	1	1	1	-25.43	-33.74482185
8050	06/01/2021	8	8.3	8.3.2.4	2300041959	819	25	0.859	9.8	2.58	9.8	2.59	25	25.4	100.39	74.63	1	1	1	1	1	-25.76	-34.51805619
8051	06/01/2021	8	8.3	8.3.2.4	2300041422	841	100	0.442	15.7	6.69	15.7	6.39	105	100.3	95.52	74.77	1	1	1	1	1	-20.75	-27.74874822
8052	06/01/2021	8	8.3	8.3.2.4	2300041415	742	116	0.454	19.2	7.35	19.2	6.04	141	116.0	82.18	74.13	1	1	0	0	0	-8.04	-10.8479024
8053	06/01/2021	8	8.3	8.3.2.2	2300029484	819	138	0.578	22.6	6.86	22.6	6.11	155	138.1	89.07	74.63	1	1	1	0	0	-14.44	-19.34867984
8054	06/01/2021	8	8.3	8.3.2.2	2300038029	812	131	0.510	20.9	7.29	20.9	6.29	152	131.5	86.28	74.58	1	1	1	0	0	-11.70	-15.68696653
8055	06/01/2021	8	8.3	8.3.2.2	2300035782	956	99	0.510	15.7	6.73	15.7	6.31	106	99.1	93.76	75.50	1	1	1	1	0	-18.25	-24.17724898
8056	06/01/2021	8	8.3	8.3.2.2	2300036736	930	112	0.642	16.1	7.44	16.1	6.91	120	111.3	92.88	75.34	1	1	1	1	0	-17.54	-23.27954563
8057	06/01/2021	8	8.3	8.3.2.2	2300036008	872	105	0.653	16.2	6.99	16.2	6.47	113	104.8	92.56	74.97	1	1	1	1	0	-17.59	-23.46905716
8058	06/01/2021	8	8.3	8.3.2.2	2300035401	852	113	0.445	16.8	7.37	16.8	6.72	124	112.9	91.18	74.84	1	1	1	1	0	-16.34	-21.83581422
8059	06/01/2021	8	8.3	8.3.2.2	2300035542	933	103	0.639	17.0	6.81	17.0	6.03	116	102.5	88.55	75.36	1	1	1	0	0	-13.19	-17.50205091
8060	06/01/2021	8	8.3	8.3.2.2	2300035321	946	109	0.480	16.0	7.24	16.0	6.83	116	109.3	94.34	75.44	1	1	1	1	1	-18.90	-25.04840453
8061	06/01/2021	8	8.3	8.3.2.2	2300041281	936	107	0.419	15.8	7.18	15.8	6.75	113	106.7	94.01	75.38	1	1	1	1	0	-18.63	-24.72225002
8062	06/01/2021	8	8.3	8.3.2.2	2300040852	717	125	0.654	17.4	7.54	17.4	7.21	131	125.5	95.62	73.97	1	1	1	1	1	-21.65	-29.26475256
8063	06/01/2021	8	8.3	8.3.2.2	2300029061	706	67	0.378	14.0	5.17	14.0	4.77	72	66.8	92.26	73.90	1	1	1	1	0	-18.36	-24.84108672
8064	06/01/2021	8	8.3	8.3.2.2	2300041244	739	11	0.588	8.4	1.27	8.4	1.28	11	10.8	100.79	74.12	1	1	1	1	1	-26.67	-35.98675795
8065	06/01/2021	8	8.3	8.3.2.2	2300037870	744	23	0.728	10.3	2.19	10.3	2.20	23	22.7	100.46	74.15	1	1	1	1	1	-26.31	-35.48195896
8066	06/01/2021	8	8.3	8.3.2.2	2300040867	704	26	0.813	10.0	2.59	10.0	2.60	26	26.0	100.39	73.89	1	1	1	1	1	-26.49	-35.85590295

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8067	06/01/2021	8	8.3	8.3.2.2	2300037794	769	109	0.492	19.5	6.31	19.5	5.58	123	108.8	88.43	74.31	1	1	1	0	0	-14.12	-19.00675275
8068	06/01/2021	8	8.3	8.3.2.2	2300029832	751	45	0.598	10.9	4.12	10.9	4.13	45	45.0	100.24	74.19	1	1	1	1	1	-26.05	-35.11184225
8069	06/01/2021	8	8.3	8.3.2.2	2300030322	785	35	0.763	10.4	3.35	10.4	3.37	35	35.0	100.60	74.41	1	1	1	1	1	-26.19	-35.19287048
8070	06/01/2021	8	8.3	8.3.2.2	2300030397	780	117	0.631	16.8	7.50	16.8	6.97	126	117.1	92.93	74.38	1	1	1	1	0	-18.56	-24.94734106
8071	06/01/2021	8	8.3	8.3.2.2	2300041474	773	69	0.627	12.3	5.62	12.3	5.64	69	69.4	100.36	74.33	1	1	1	1	1	-26.02	-35.00814157
8072	06/01/2021	8	8.3	8.3.2.2	2300037502	846	116	0.640	16.1	7.83	16.1	7.24	126	116.6	92.46	74.80	1	1	1	1	0	-17.66	-23.61548691
8073	06/01/2021	8	8.3	8.3.2.2	2300044420	825	20	0.858	10.8	2.06	9.4	2.07	22	19.5	87.46	74.67	1	1	1	0	0	-12.79	-17.13436762
8074	06/01/2021	8	8.3	8.3.2.2	2300041440	832	92	0.511	33.4	5.28	20.8	4.43	176	92.1	52.25	74.71	1	1	1	1	1	22.46	30.06359808
8075	06/01/2021	8	8.3	8.3.2.2	2300041384	875	107	0.641	22.3	7.28	15.8	6.76	162	106.8	65.79	74.99	1	1	0	0	0	9.19	12.26207624
8076	06/01/2021	8	8.3	8.3.2.2	2300041431	862	132	0.563	33.2	6.87	21.9	6.02	228	131.8	57.80	74.90	1	1	1	1	0	17.10	22.8301364
8077	06/01/2021	2	2.1	2.1.5.2	Vspl2201101298 1732	913	95	0.504	27.1	6.80	15.0	6.34	184	95.1	51.61	75.23	1	1	1	1	1	23.62	31.40130248
8078	06/01/2021	2	2.1	2.1.5.2	vspl2201101298 1445	904	105	0.630	22.7	7.13	15.8	6.60	162	104.3	64.43	75.17	1	1	0	0	0	10.74	14.28993167
8079	06/01/2021	2	2.1	2.1.5.2	-	885	111	0.640	22.4	7.55	15.9	6.99	169	111.1	65.72	75.05	1	1	0	0	0	9.33	12.43538682
8080	06/01/2021	2	2.1	2.1.5.2	-	826	111	0.657	23.1	7.12	16.8	6.61	164	111.0	67.52	74.67	1	0	0	0	0	7.15	9.581216911
8081	06/01/2021	2	2.1	2.1.5.2	-	833	87	0.683	22.1	5.64	16.4	5.33	125	87.4	70.13	74.72	1	0	0	0	0	4.59	6.140315313
8082	06/01/2021	2	2.1	2.1.5.2	vspl2201101137 5874	905	137	0.522	33.8	7.58	24.1	5.70	256	137.4	53.62	75.18	1	1	1	1	1	21.56	28.67936117
8083	06/01/2021	2	2.1	2.1.5.2	-	901	104	0.642	22.5	7.00	16.2	6.44	158	104.3	66.24	75.15	1	1	0	0	0	8.91	11.8591023
8084	06/01/2021	2	2.1	2.1.5.2	-	824	110	0.663	22.6	7.22	16.5	6.69	163	110.4	67.65	74.66	1	0	0	0	0	7.01	9.389450018
8085	06/01/2021	2	2.1	2.1.5.2	-	980	109	0.640	22.9	7.29	16.1	6.79	167	109.3	65.48	75.66	1	1	0	0	0	10.17	13.44786543
8086	06/01/2021	2	2.1	2.1.5.2	vspl2201101087 3873	923	110	0.433	34.1	7.27	16.2	6.79	248	110.0	44.37	75.29	1	1	1	1	1	30.92	41.06948402
8087	06/01/2021	2	2.1	2.1.5.2	-	924	105	0.636	22.9	7.03	16.2	6.48	161	105.0	65.21	75.30	1	1	0	0	0	10.09	13.40226284
8088	06/01/2021	2	2.1	2.1.5.2	-	875	94	0.610	22.4	6.72	14.9	6.32	151	94.2	62.56	74.99	1	1	1	0	0	12.43	16.57314581
8089	06/01/2021	2	2.1	2.1.5.2	-	887	102	0.642	22.4	6.92	15.9	6.41	155	101.9	65.75	75.06	1	1	0	0	0	9.31	12.40561242
8090	06/01/2021	2	2.1	2.1.5.2	vspl2201101077 3206	933	127	0.598	33.9	6.12	25.7	4.93	207	126.7	61.07	75.36	1	1	1	0	0	14.29	18.95911613
8091	06/01/2021	2	2.1	2.1.5.2	vspl2201101067 2690	904	105	0.636	22.6	7.11	16.0	6.57	161	105.1	65.42	75.17	1	1	0	0	0	9.75	12.9730991
8092	06/01/2021	2	2.1	2.1.5.2	-	793	108	0.667	22.9	6.87	16.7	6.46	157	107.9	68.57	74.46	1	0	0	0	0	5.89	7.906974949
8093	06/01/2021	2	2.1	2.1.5.2	-	838	132	0.522	34.5	7.14	24.8	5.31	246	131.7	53.46	74.75	1	1	1	1	1	21.29	28.4808497

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8094	06/01/2021	2	2.1	2.1.5.2	-	757	105	0.414	34.0	7.24	15.1	6.95	246	104.9	42.63	74.23	1	1	1	1	1	31.60	42.56718178
8095	06/01/2021	2	2.1	2.1.5.2	-	1,016	37	0.527	21.8	3.11	12.7	2.89	68	36.7	54.14	75.89	1	1	1	1	1	21.75	28.66391278
8096	06/01/2021	2	2.1	2.1.5.2	vspl22011010672555	845	88	0.652	23.0	5.70	17.1	5.13	131	87.7	66.91	74.79	1	1	0	0	0	7.88	10.53688334
8097	06/01/2021	2	2.1	2.1.5.2	-	919	49	0.612	17.5	4.45	11.0	4.48	78	49.3	63.28	75.27	1	1	1	0	0	11.99	15.92544617
8098	06/01/2021	2	2.1	2.1.5.2	-	828	121	0.554	32.0	6.67	21.7	5.58	213	121.1	56.73	74.69	1	1	1	1	0	17.95	24.04024204
8099	06/01/2021	2	2.1	2.1.5.2	-	824	103	0.629	22.7	7.04	16.3	6.31	160	102.9	64.36	74.66	1	1	0	0	0	10.30	13.79493404
8100	06/01/2021	2	2.1	2.1.5.2	vspl22011010672547	836	62	0.671	23.0	3.91	13.6	4.54	90	61.7	68.66	74.74	1	0	0	0	0	6.08	8.133325942
8101	06/01/2021	3	3.2	3.2.2.2	vspl22011012480780	881	115	0.670	23.5	7.10	17.3	6.66	167	115.2	69.05	75.02	1	0	0	0	0	5.97	7.956825144
8102	06/01/2021	3	3.2	3.2.2.2	-	877	30	0.511	21.3	2.64	13.1	2.26	56	29.6	52.65	75.00	1	1	1	1	1	22.35	29.79922771
8103	06/01/2021	3	3.2	3.2.2.2	-	1,013	117	0.654	23.4	7.42	16.7	7.00	174	116.9	67.33	75.87	1	1	0	0	0	8.54	11.25799356
8104	06/01/2021	3	3.2	3.2.2.2	-	1,020	12	0.818	10.8	1.30	9.0	1.31	14	11.8	83.97	75.91	1	1	0	0	0	-8.06	-10.61775032
8105	06/01/2021	3	3.2	3.2.2.2	vspl2201012780875	730	117	0.447	33.5	7.62	16.7	7.02	255	117.2	45.93	74.06	1	1	1	1	1	28.13	37.98713082
8106	06/01/2021	3	3.2	3.2.2.2	vspl22011012078126	943	117	0.437	33.9	7.69	16.3	7.20	261	117.4	45.02	75.42	1	1	1	1	1	30.40	40.31013113
8107	06/01/2021	3	3.2	3.2.2.2	-	741	108	0.412	33.9	7.51	15.5	6.97	255	108.0	42.44	74.13	1	1	1	1	1	31.69	42.75465004
8108	06/01/2021	3	3.2	3.2.2.2	-	794	132	0.514	33.9	7.34	20.6	6.40	249	131.8	52.98	74.47	1	1	1	1	1	21.48	28.84849693
8109	06/01/2021	3	3.2	3.2.2.2	-	831	106	0.415	34.1	7.25	15.7	6.74	247	105.8	42.80	74.70	1	1	1	1	1	31.90	42.7044383
8110	06/01/2021	3	3.2	3.2.2.2	vspl22011011176770	902	112	0.629	22.8	7.56	15.9	7.04	172	111.9	64.94	75.16	1	1	0	0	0	10.22	13.59610838
8111	06/01/2021	3	3.2	3.2.2.2	-	753	138	0.685	33.1	5.90	25.5	5.40	195	137.7	70.51	74.21	0	0	0	0	0	3.69	4.979000377
8112	06/01/2021	3	3.2	3.2.2.2	-	938	112	0.432	34.1	7.40	16.1	6.98	252	112.4	44.53	75.39	1	1	1	1	1	30.85	40.92740286
8113	06/01/2021	3	3.2	3.2.2.2	-	778	120	0.446	33.5	7.84	15.7	7.65	263	120.1	45.73	74.37	1	1	1	1	1	28.64	38.50632226
8114	06/01/2021	3	3.2	3.2.2.2	vspl22011011174772	871	83	0.413	33.5	5.82	25.8	3.21	195	82.8	42.48	74.96	1	1	1	1	1	32.48	43.33367458
8115	06/01/2021	3	3.2	3.2.2.2	-	703	111	0.584	23.9	7.77	15.7	7.07	186	111.0	59.77	73.89	1	1	1	0	0	14.11	19.1010857
8116	06/01/2021	3	3.2	3.2.2.2	vspl22011012780815	773	20	0.558	18.5	1.94	11.5	1.77	36	20.4	56.71	74.33	1	1	1	1	0	17.62	23.70170747
8117	07/01/2021	3	3.2	3.2.2.2	-	730	120	0.649	32.9	5.50	25.7	4.69	181	120.5	66.61	74.06	1	1	0	0	0	7.45	10.05533694
8118	07/01/2021	3	3.2	3.2.2.2	vspl22011011174749	807	112	0.433	33.7	7.47	16.2	6.93	252	112.3	44.60	74.55	1	1	1	1	1	29.95	40.18013367
8119	07/01/2021	3	3.2	3.2.2.2	-	814	125	0.637	32.9	5.81	23.9	5.21	191	124.5	65.14	74.60	1	1	0	0	0	9.45	12.6726297

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8120	07/01/2021	3	3.2	3.2.2.2	-	756	109	0.634	22.2	7.52	15.9	6.82	167	108.4	64.95	74.22	1	1	0	0	0	9.27	12.48872964
8121	07/01/2021	3	3.2	3.2.2.2	-	794	28	0.840	11.2	2.86	9.6	2.88	32	27.6	86.31	74.47	1	1	1	0	0	-11.85	-15.90770525
8122	07/01/2021	3	3.2	3.2.2.2	vspl220110124797012	786	131	0.508	33.3	7.56	20.1	6.53	252	131.3	52.14	74.42	1	1	1	1	1	22.28	29.93928694
8123	07/01/2021	3	3.2	3.2.2.2	-	812	110	0.440	33.8	7.23	16.5	6.71	244	110.7	45.31	74.58	1	1	1	1	1	29.28	39.25468575
8124	07/01/2021	3	3.2	3.2.2.2	vspl22011011174774	768	122	0.492	33.7	7.20	19.6	6.21	243	121.7	50.16	74.30	1	1	1	1	1	24.14	32.48668292
8125	07/01/2021	3	3.2	3.2.2.1	-	766	123	0.522	33.6	6.89	20.0	6.14	232	122.8	53.04	74.29	1	1	1	1	1	21.24	28.5966048
8126	07/01/2021	3	3.2	3.2.2.1	VSPL22011012880988	799	129	0.507	33.6	7.41	20.3	6.33	249	128.5	51.61	74.50	1	1	1	1	1	22.89	30.72311979
8127	07/01/2021	3	3.2	3.2.2.1	-	818	117	0.429	34.4	7.69	16.5	7.09	265	117.0	44.22	74.62	1	1	1	1	1	30.40	40.73706334
8128	07/01/2021	3	3.2	3.2.2.1	VSPL22011012780878	856	35	0.470	28.3	2.59	19.0	1.87	73	35.5	48.47	74.86	1	1	1	1	1	26.39	35.25091142
8129	07/01/2021	3	3.2	3.2.2.1	-	800	100	0.624	22.7	6.87	16.5	6.07	156	100.2	64.22	74.51	1	1	0	0	0	10.28	13.8016817
8130	07/01/2021	3	3.2	3.2.2.1	VSPL22011012790869	800	99	0.621	22.6	6.85	16.4	6.07	155	99.5	64.30	74.51	1	1	0	0	0	10.20	13.69374335
8131	07/01/2021	3	3.2	3.2.2.1	-	954	22	0.858	11.4	2.15	10.0	2.17	25	21.7	88.54	75.49	1	1	1	0	0	-13.04	-17.27833523
8132	07/01/2021	3	3.2	3.2.2.1	-	947	108	0.620	23.9	7.05	16.3	6.63	168	108.1	64.14	75.45	1	1	0	0	0	11.31	14.98935907
8133	07/01/2021	3	3.2	3.2.2.1	VSPL22011010572415	934	112	0.646	22.9	7.37	16.4	6.85	169	112.3	66.56	75.36	1	1	0	0	0	8.80	11.67781317
8134	07/01/2021	3	3.2	3.2.2.1	-	861	102	0.739	33.0	4.07	26.7	3.82	134	102.0	75.94	74.90	0	0	0	0	0	-1.04	-1.392383386
8135	07/01/2021	3	3.2	3.2.2.1	-	933	52	0.534	28.9	3.26	21.3	2.43	94	51.8	54.94	75.36	1	1	1	1	1	20.42	27.09695287
8136	07/01/2021	3	3.2	3.2.2.1	-	948	106	0.499	34.6	5.94	17.7	5.98	206	105.8	51.50	75.45	1	1	1	1	1	23.95	31.74503576
8137	07/01/2021	3	3.2	3.2.2.1	VSPL22011011174719	843	110	0.695	33.0	4.66	25.8	4.27	154	110.2	71.64	74.78	0	0	0	0	0	3.14	4.202253183
8138	07/01/2021	3	3.2	3.2.2.1	-	1,028	77	0.656	23.3	4.94	19.0	4.07	115	77.3	67.18	75.97	1	1	0	0	0	8.78	11.55964959
8139	07/01/2021	3	3.2	3.2.2.1	-	1,006	94	0.548	24.9	6.70	14.4	6.52	167	93.9	56.28	75.82	1	1	1	1	1	19.55	25.77897365
8140	07/01/2021	3	3.2	3.2.2.1	-	1,051	113	0.430	34.7	7.36	16.0	7.05	255	112.8	44.17	76.11	1	1	1	1	1	31.95	41.97082529
8141	07/01/2021	3	3.2	3.2.2.1	-	1,047	27	0.824	12.3	2.56	10.4	2.58	31	26.8	85.21	76.09	1	1	0	0	0	-9.13	-11.99500391
8142	07/01/2021	3	3.2	3.2.2.1	2300051887	1,009	81	0.571	22.8	6.07	13.3	6.11	138	81.3	58.72	75.84	1	1	1	1	0	17.13	22.58049788
8143	07/01/2021	3	3.2	3.2.2.1	-	749	51	0.522	30.8	3.07	24.1	2.10	95	50.6	53.52	74.18	1	1	1	1	1	20.66	27.84561021
8144	07/01/2021	3	3.2	3.2.2.1	-	857	122	0.687	23.6	7.33	17.4	7.01	173	122.0	70.51	74.87	1	0	0	0	0	4.36	5.824309096
8145	07/01/2021	3	3.2	3.2.2.1	-	956	115	0.634	23.6	7.54	16.5	6.98	178	115.2	64.72	75.50	1	1	0	0	0	10.78	14.27968521

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8146	07/01/2021	3	3.2	3.2.2.1	-	972	116	0.633	23.6	7.57	16.6	6.99	179	116.0	64.95	75.61	1	1	0	0	0	10.66	14.09537941
8147	07/01/2021	3	3.2	3.2.2.1	-	825	124	0.487	34.8	7.14	20.6	6.01	248	123.8	49.83	74.67	1	1	1	1	1	24.84	33.2668922
8148	07/01/2021	8	8.3	8.3.3.3	2300035755	1,001	103	0.616	23.4	6.94	16.0	6.42	162	102.7	63.25	75.79	1	1	1	0	0	12.54	16.54468063
8149	07/01/2021	8	8.3	8.3.3.3	2300035527	889	101	0.451	34.8	6.26	17.3	5.84	218	101.0	46.38	75.08	1	1	1	1	1	28.70	38.22588086
8150	07/01/2021	8	8.3	8.3.3.3	2300035243	1,004	110	0.423	35.4	7.20	17.9	6.18	255	110.6	43.40	75.81	1	1	1	1	1	32.41	42.75071262
8151	07/01/2021	8	8.3	8.3.3.3	2300036458	949	120	0.648	23.4	7.67	16.8	7.10	179	119.3	66.46	75.46	1	1	0	0	0	9.00	11.92717835
8152	07/01/2021	8	8.3	8.3.3.3	2300036782	918	96	0.659	22.7	6.29	16.7	5.76	143	96.2	67.37	75.26	1	1	0	0	0	7.89	10.48592807
8153	07/01/2021	8	8.3	8.3.3.3	2300036520	917	107	0.682	23.1	6.62	16.9	6.32	153	106.8	69.84	75.25	1	0	0	0	0	5.41	7.18896674
8154	07/01/2021	8	8.3	8.3.3.3	2300035101	897	114	0.649	23.3	7.38	16.8	6.80	172	114.2	66.44	75.13	1	1	0	0	0	8.69	11.56767955
8155	07/01/2021	8	8.3	8.3.3.3	2300036452	943	126	0.458	36.2	7.32	17.8	7.07	265	125.8	47.49	75.42	1	1	1	1	1	27.93	37.03106813
8156	07/01/2021	8	8.3	8.3.3.3	2300036664	942	115	0.633	23.6	7.51	16.8	6.87	177	115.4	65.12	75.41	1	1	0	0	0	10.29	13.65096366
8157	07/01/2021	8	8.3	8.3.3.3	2300036530	889	71	0.543	23.5	5.46	13.0	5.50	128	71.5	55.72	75.08	1	1	1	1	1	19.35	25.77559496
8158	07/01/2021	8	8.3	8.3.3.3	2300035422	811	119	0.629	34.5	5.36	27.1	4.41	185	119.5	64.63	74.58	1	1	0	0	0	9.95	13.3392226
8159	07/01/2021	8	8.3	8.3.3.1	2300035242	984	52	0.599	21.5	3.91	15.2	3.38	84	51.4	61.11	75.68	1	1	1	0	0	14.57	19.24985903
8160	07/01/2021	8	8.3	8.3.3.1	2300069336	921	114	0.661	23.6	7.13	17.3	6.61	168	114.4	67.96	75.28	1	0	0	0	0	7.32	9.725703694
8161	07/01/2021	8	8.3	8.3.3.1	2300034905	856	114	0.513	32.9	6.59	22.0	5.17	217	113.7	52.46	74.86	1	1	1	1	1	22.40	29.92605578
8162	07/01/2021	8	8.3	8.3.3.1	2300036728	894	101	0.601	23.2	7.08	15.6	6.47	164	100.9	61.45	75.11	1	1	1	0	0	13.66	18.18672992
8163	07/01/2021	8	8.3	8.3.3.1	2300036775	893	110	0.479	34.8	6.46	20.2	5.43	225	109.7	48.79	75.10	1	1	1	1	1	26.31	35.0330377
8164	07/01/2021	8	8.3	8.3.3.1	2300036525	707	104	0.680	22.8	6.53	17.0	6.11	149	103.9	69.77	73.91	1	0	0	0	0	4.15	5.608214698
8165	07/01/2021	8	8.3	8.3.3.1	2300035509	887	114	0.455	32.5	7.53	16.3	6.98	245	113.8	46.49	75.06	1	1	1	1	1	28.57	38.06445987
8166	07/01/2021	8	8.3	8.3.3.4	2300069816	848	13	0.268	34.5	1.36	11.6	1.10	47	12.8	27.20	74.81	1	1	1	1	1	47.62	63.64916095
8167	07/01/2021	8	8.3	8.3.3.4	2300035177	847	108	0.594	24.9	7.15	16.1	6.71	178	108.0	60.68	74.81	1	1	1	0	0	14.13	18.88485854
8168	07/01/2021	8	8.3	8.3.3.4	2300035499	827	115	0.651	23.9	7.20	17.0	6.74	172	114.6	66.59	74.68	1	1	0	0	0	8.09	10.83773553
8169	07/01/2021	8	8.3	8.3.3.4	2300029668	898	105	0.417	34.7	7.10	16.0	6.54	246	104.6	42.47	75.13	1	1	1	1	1	32.66	43.47012551
8170	07/01/2021	8	8.3	8.3.3.4	2300035545	976	23	0.651	15.1	2.29	10.0	2.30	35	23.0	66.51	75.63	1	1	0	0	0	9.12	12.05573481
8171	07/01/2021	8	8.3	8.3.3.4	2300035548	828	115	0.630	23.2	7.69	16.2	7.13	178	115.5	64.74	74.69	1	1	0	0	0	9.94	13.31266109
8172	07/01/2021	8	8.3	8.3.3.4	2300029337	961	134	0.538	35.0	6.94	29.5	4.55	243	134.2	55.26	75.54	1	1	1	1	1	20.28	26.84405665
8173	07/01/2021	8	8.3	8.3.3.4	2300035157	758	135	0.575	34.1	6.72	22.9	5.88	229	134.7	58.76	74.24	1	1	1	1	0	15.48	20.84696477
8174	07/01/2021	8	8.3	8.3.3.4	2300035125	806	40	0.485	31.4	2.60	21.4	1.89	82	40.4	49.54	74.54	1	1	1	1	1	25.00	33.54042526
8175	07/01/2021	8	8.3	8.3.3.4	2300034912	601	8	0.915	9.2	1.00	8.2	1.04	9	8.5	92.70	73.23	1	1	1	1	1	-19.46	-26.57737856

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8176	07/01/2021	8	8.3	8.3.3.4	2300041058	868	115	0.650	23.3	7.45	16.6	6.90	174	114.5	65.98	74.94	1	1	0	0	0	8.96	11.95101741
8177	07/01/2021	8	8.3	8.3.3.4	2300035541	901	106	0.657	23.0	6.87	16.4	6.42	158	105.3	66.63	75.15	1	1	0	0	0	8.52	11.33515715
8178	07/01/2021	8	8.3	8.3.3.4	2300041159	899	130	0.631	34.6	5.87	24.9	5.24	203	130.5	64.24	75.14	1	1	0	0	0	10.90	14.50365375
8179	07/01/2021	8	8.3	8.3.3.4	2300034510	859	113	0.649	23.3	7.38	16.6	6.84	172	113.5	66.03	74.88	1	1	0	0	0	8.85	11.82099538
8180	07/01/2021	8	8.3	8.3.3.4	2300042559	861	113	0.635	23.2	7.56	16.3	6.96	175	113.4	64.68	74.90	1	1	0	0	0	10.21	13.63731811
8181	07/01/2021	8	8.3	8.3.3.4	2300041060	737	128	0.652	23.2	8.34	16.6	7.73	193	128.3	66.32	74.10	1	1	0	0	0	7.78	10.5049679
8182	07/01/2021	8	8.3	8.3.3.4	2300035540	786	125	0.687	33.6	5.33	25.8	4.85	179	125.1	69.87	74.42	1	0	0	0	0	4.55	6.108494764
8183	07/01/2021	8	8.3	8.3.3.4	2300041070	620	135	0.626	23.9	8.86	16.9	8.00	212	135.2	63.85	73.35	1	1	0	0	0	9.51	12.95952191
8184	07/01/2021	8	8.3	8.3.3.4	2300029172	865	115	0.429	33.9	7.67	16.0	7.17	260	114.7	44.12	74.92	1	1	1	1	1	30.80	41.11092753
8185	07/01/2021	8	8.3	8.3.3.4	2300043839	854	109	0.621	23.1	7.34	16.2	6.69	170	108.4	63.92	74.85	1	1	0	0	0	10.93	14.60508621
8186	07/01/2021	8	8.3	8.3.3.2	2300035339	856	23	0.849	11.3	2.38	9.7	2.39	27	23.2	86.20	74.86	1	1	1	0	0	-11.34	-15.1433568
8187	07/01/2021	8	8.3	8.3.3.2	2300035014	839	107	0.419	33.9	7.41	15.7	6.86	251	107.7	42.88	74.76	1	1	1	1	1	31.88	42.64620887
8188	07/01/2021	8	8.3	8.3.3.2	2300035592	807	122	0.630	23.1	8.21	16.2	7.55	190	122.3	64.49	74.55	1	1	0	0	0	10.06	13.49234871
8189	07/01/2021	8	8.3	8.3.3.2	2300035537	860	116	0.638	22.9	7.79	16.0	7.23	178	115.7	64.85	74.89	1	1	0	0	0	10.04	13.41124219
8190	07/01/2021	8	8.3	8.3.3.2	2300035153	852	114	0.625	22.6	7.88	15.5	7.33	178	113.6	63.80	74.84	1	1	0	0	0	11.04	14.75396246
8191	07/01/2021	8	8.3	8.3.3.2	2300029720	876	55	0.615	21.9	4.00	16.1	3.42	88	55.1	62.86	74.99	1	1	1	0	0	12.14	16.1832874
8192	07/01/2021	8	8.3	8.3.3.2	2300035352	812	28	0.812	12.1	2.76	10.0	2.77	33	27.7	82.94	74.58	1	1	0	0	0	-8.36	-11.21071501
8193	07/01/2021	8	8.3	8.3.3.2	2300035039	790	8	0.392	34.3	0.56	16.3	0.47	19	7.7	39.88	74.44	1	1	1	1	1	34.56	46.42214992
8194	07/01/2021	8	8.3	8.3.3.2	2300034930	883	12	0.737	33.2	0.47	22.2	0.53	16	11.8	75.40	75.04	0	0	0	0	0	-0.37	-0.48848122
8195	07/01/2021	8	8.3	8.3.3.2	2300035034	883	15	0.899	33.2	0.48	27.9	0.52	16	14.5	91.04	75.04	1	1	1	1	0	-16.00	-21.32536479
8196	07/01/2021	8	8.3	8.3.3.2	2300035834	877	9	0.644	33.1	0.41	18.1	0.50	14	9.1	66.69	75.00	1	1	0	0	0	8.31	11.08348879
8197	07/01/2021	8	8.3	8.3.3.2	2300035490	883	7	0.627	32.7	0.33	23.0	0.30	11	6.9	63.94	75.04	1	1	0	0	0	11.10	14.78603408
8198	07/01/2021	8	8.3	8.3.3.2	2300041102	822	9	0.602	34.4	0.41	24.5	0.35	14	8.6	60.80	74.65	1	1	1	0	0	13.85	18.5519606
8199	07/01/2021	8	8.3	8.3.3.2	2300042438	842	16	0.332	34.0	1.42	17.3	0.95	48	16.4	34.04	74.77	1	1	1	1	1	40.73	54.47529011
8200	07/01/2021	8	8.3	8.3.3.2	2300035015	840	33	0.365	34.0	2.57	17.3	1.88	87	32.5	37.22	74.76	1	1	1	1	1	37.54	50.21356824
8201	07/01/2021	8	8.3	8.3.3.2	2300035543	841	57	0.372	34.6	4.37	16.8	3.43	151	57.6	38.11	74.77	1	1	1	1	1	36.66	49.02845721
8202	07/01/2021	8	8.3	8.3.1.1	2300041283	867	109	0.436	34.2	7.09	18.6	5.83	242	108.4	44.72	74.93	1	1	1	1	1	30.21	40.32044101
8203	07/01/2021	8	8.3	8.3.1.1	2300040927	812	26	0.366	34.0	2.07	17.2	1.54	70	26.5	37.64	74.58	1	1	1	1	1	36.95	49.5383762
8204	07/01/2021	8	8.3	8.3.1.1	2300041252	836	127	0.504	34.0	7.25	21.8	5.85	247	127.5	51.74	74.74	1	1	1	1	1	23.00	30.77495261
8205	07/01/2021	8	8.3	8.3.1.1	2300037948	848	105	0.443	33.9	6.80	17.7	5.91	231	104.6	45.38	74.81	1	1	1	1	1	29.43	39.34398073

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8206	07/01/2021	8	8.3	8.3.1.1	2300037950	772	28	0.352	34.1	2.32	17.3	1.64	79	28.4	35.86	74.33	1	1	1	1	1	38.46	51.74946293
8207	07/01/2021	8	8.3	8.3.1.1	2300037868	891	11	0.382	33.9	0.82	15.6	0.70	28	10.9	39.28	75.09	1	1	1	1	1	35.80	47.68379446
8208	07/01/2021	8	8.3	8.3.1.1	2300037957	893	18	0.513	33.4	1.01	20.3	0.88	34	17.9	52.96	75.10	1	1	1	1	1	22.15	29.48784415
8209	07/01/2021	8	8.3	8.3.1.1	NA	889	10	0.395	33.2	0.77	17.6	0.60	26	10.6	41.31	75.08	1	1	1	1	1	33.77	44.9780095
8210	07/01/2021	8	8.3	8.3.1.2	2300040887	904	14	0.497	33.4	0.83	22.8	0.62	28	14.1	50.99	75.17	1	1	1	1	1	24.18	32.1658819
8211	07/01/2021	8	8.3	8.3.1.2	2300040888	906	9	0.392	33.3	0.67	17.9	0.51	22	9.1	40.92	75.18	1	1	1	1	1	34.27	45.57775757
8212	07/01/2021	8	8.3	8.3.1.2	2300041416	823	16	0.407	35.0	1.09	27.3	0.58	38	15.8	41.50	74.65	1	1	1	1	1	33.15	44.40347211
8213	07/01/2021	8	8.3	8.3.1.2	2300040878	897	12	0.348	34.9	0.93	17.1	0.68	32	11.6	35.83	75.13	1	1	1	1	1	39.30	52.31280727
8214	07/01/2021	8	8.3	8.3.1.2	2300041419	846	14	0.353	33.3	1.12	15.0	0.91	37	13.7	36.60	74.80	1	1	1	1	1	38.20	51.07098478
8215	07/01/2021	8	8.3	8.3.1.2	2300040877	901	12	0.442	33.7	0.81	23.9	0.52	27	12.4	45.53	75.15	1	1	1	1	1	29.62	39.418019
8216	07/01/2021	8	8.3	8.3.1.2	2300041494	901	12	0.422	33.7	0.79	17.1	0.68	27	11.6	43.68	75.15	1	1	1	1	1	31.48	41.88273388
8217	07/01/2021	8	8.3	8.3.1.2	2300041496	890	19	0.582	33.9	0.91	18.6	1.00	31	18.6	60.29	75.08	1	1	1	0	0	14.79	19.69621399
8218	07/01/2021	8	8.3	8.3.1.2	2300040901	907	10	0.464	33.8	0.65	15.8	0.67	22	10.6	48.18	75.19	1	1	1	1	1	27.01	35.91784218
8219	07/01/2021	8	8.3	8.3.1.2	2300041447	907	22	0.591	33.8	1.09	20.5	1.10	37	22.6	61.21	75.19	1	1	1	0	0	13.98	18.59733141
8220	07/01/2021	8	8.3	8.3.1.2	2300041638	809	25	0.642	33.9	1.09	19.9	1.23	37	24.5	66.24	74.56	1	1	0	0	0	8.32	11.16070086
8221	07/01/2021	8	8.3	8.3.1.2	2300041774	810	112	0.557	33.3	5.87	21.7	5.14	195	111.5	57.06	74.57	1	1	1	1	0	17.51	23.47975092
8222	07/01/2021	8	8.3	8.3.1.2	2300040965	879	74	0.389	34.3	5.38	17.4	4.23	185	73.6	39.89	75.01	1	1	1	1	1	35.13	46.82778026
8223	07/01/2021	8	8.3	8.3.1.2	2300040643	889	48	0.375	34.0	3.64	17.0	2.79	124	47.4	38.32	75.08	1	1	1	1	1	36.75	48.95255473
8224	07/01/2021	8	8.3	8.3.1.2	2300033982	889	49	0.373	33.9	3.75	16.8	2.89	127	48.6	38.19	75.08	1	1	1	1	1	36.88	49.12817163
8225	07/01/2021	8	8.3	8.3.1.2	2300039932	892	74	0.402	34.0	5.27	17.7	4.19	179	74.2	41.39	75.09	1	1	1	1	1	33.70	44.88270543
8226	07/01/2021	8	8.3	8.3.1.2	2300039948	884	62	0.378	34.3	4.62	17.4	3.52	158	61.2	38.65	75.04	1	1	1	1	1	36.39	48.49585805
8227	07/01/2021	8	8.3	8.3.1.2	2300041211	778	132	0.597	33.8	6.38	23.3	5.65	216	131.6	61.05	74.37	1	1	1	0	0	13.32	17.9086799
8228	07/01/2021	8	8.3	8.3.1.2	2300039979	869	17	0.809	11.2	1.89	9.2	1.90	21	17.5	82.58	74.95	1	1	0	0	0	-7.63	-10.18027987
8229	07/01/2021	8	8.3	8.3.1.2	2300041255	786	117	0.422	34.3	7.87	16.1	7.26	270	116.9	43.30	74.42	1	1	1	1	1	31.12	41.81313113
8230	07/01/2021	8	8.3	8.3.1.2	2300041672	726	60	0.509	22.9	5.05	12.0	5.02	116	60.2	52.09	74.03	1	1	1	1	1	21.94	29.63830807
8231	07/01/2021	8	8.3	8.3.1.2	2300041278	805	120	0.434	34.4	7.85	15.7	7.66	270	120.3	44.53	74.54	1	1	1	1	1	30.00	40.25210802
8232	07/01/2021	8	8.3	8.3.1.2	2300041458	796	15	0.783	11.4	1.67	9.1	1.67	19	15.2	79.82	74.48	1	0	0	0	0	-5.34	-7.17525873
8233	07/01/2021	8	8.3	8.3.1.2	2300041669	726	21	0.545	17.9	2.13	11.3	1.88	38	21.2	55.72	74.03	1	1	1	1	0	18.31	24.73694727
8234	07/01/2021	8	8.3	8.3.1.3	2300035489	855	108	0.607	22.8	7.62	15.3	7.08	174	108.3	62.35	74.86	1	1	1	0	0	12.51	16.70927347
8235	07/01/2021	8	8.3	8.3.1.3	2300035317	770	105	0.450	33.9	6.70	16.1	6.52	227	105.0	46.22	74.31	1	1	1	1	1	28.10	37.80888649

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8236	07/01/2021	8	8.3	8.3.1.3	2300038278	893	8	0.305	34.0	0.77	10.6	0.77	26	8.2	31.18	75.10	1	1	1	1	1	43.92	58.4873869
8237	07/01/2021	8	8.3	8.3.1.3	2300041614	901	107	0.609	23.1	7.41	15.4	6.93	171	106.7	62.35	75.15	1	1	1	0	0	12.80	17.03767526
8238	07/01/2021	8	8.3	8.3.1.3	2300038258	869	27	0.797	12.5	2.64	10.1	2.65	33	26.8	81.11	74.95	1	0	0	0	0	-6.16	-8.217021767
8239	07/01/2021	8	8.3	8.3.1.3	2300041285	868	121	0.631	23.4	7.94	16.5	7.30	186	120.5	64.83	74.94	1	1	0	0	0	10.11	13.49328877
8240	07/01/2021	8	8.3	8.3.1.3	2300041264	892	9	0.436	33.6	0.62	20.7	0.45	21	9.3	44.71	75.09	1	1	1	1	1	30.38	40.45544864
8241	07/01/2021	8	8.3	8.3.1.3	2300041288	754	6	0.581	33.2	0.31	21.3	0.28	10	6.0	57.95	74.21	1	1	1	1	0	16.26	21.91527913
8242	07/01/2021	8	8.3	8.3.1.3	2300035342	851	20	0.489	34.2	1.15	22.4	0.88	39	19.7	50.12	74.83	1	1	1	1	1	24.71	33.0243295
8243	07/01/2021	8	8.3	8.3.1.3	2300041004	908	9	0.348	34.6	0.72	13.3	0.67	25	8.9	35.77	75.20	1	1	1	1	1	39.43	52.43185905
8244	07/01/2021	8	8.3	8.3.1.3	2300040926	886	33	0.605	19.4	2.75	14.5	2.27	53	32.9	61.70	75.06	1	1	1	0	0	13.36	17.80002119
8245	07/01/2021	8	8.3	8.3.1.3	2300037952	881	96	0.628	22.0	6.77	15.3	6.25	149	95.6	64.20	75.02	1	1	0	0	0	10.82	14.4228995
8246	07/01/2021	8	8.3	8.3.1.3	2300041045	895	112	0.446	33.9	7.20	16.1	6.93	244	111.6	45.71	75.11	1	1	1	1	1	29.40	39.14363246
8247	07/01/2021	8	8.3	8.3.1.3	2300033365	882	8	0.396	33.8	0.59	14.5	0.56	20	8.1	40.72	75.03	1	1	1	1	1	34.31	45.73150967
8248	07/01/2021	8	8.3	8.3.1.3	2300041885	856	8	0.431	33.9	0.52	17.4	0.45	18	7.8	44.42	74.86	1	1	1	1	1	30.45	40.66876725
8249	07/01/2021	8	8.3	8.3.1.3	2300037918	845	9	0.363	33.3	0.74	13.2	0.69	25	9.1	36.96	74.79	1	1	1	1	1	37.83	50.5825526
8250	07/01/2021	8	8.3	8.3.1.3	2300040928	844	11	0.432	33.7	0.73	19.8	0.55	25	10.9	44.27	74.79	1	1	1	1	1	30.52	40.81038403
8251	07/01/2021	8	8.3	8.3.1.3	2300040885	841	7	0.332	33.5	0.60	20.5	0.34	20	7.0	34.68	74.77	1	1	1	1	1	40.09	53.62129333
8252	07/01/2021	8	8.3	8.3.1.4	2300040885	854	6	0.425	33.7	0.42	19.6	0.31	14	6.1	42.93	74.85	1	1	1	1	1	31.92	42.64946339
8253	07/01/2021	8	8.3	8.3.1.4	2300040868	809	10	0.497	34.0	0.56	15.3	0.64	19	9.8	51.43	74.56	1	1	1	1	1	23.14	31.02724194
8254	07/01/2021	8	8.3	8.3.1.4	2300041401	849	20	0.621	34.2	0.90	24.0	0.82	31	19.7	63.94	74.82	1	1	0	0	0	10.88	14.54428808
8255	07/01/2021	8	8.3	8.3.1.4	2300040874	851	8	0.373	33.8	0.63	16.7	0.49	21	8.2	38.43	74.83	1	1	1	1	1	36.40	48.64702274
8256	07/01/2021	8	8.3	8.3.1.4	2300041430	834	7	0.346	34.1	0.55	19.0	0.35	19	6.7	35.46	74.72	1	1	1	1	1	39.27	52.5488448
8257	07/01/2021	8	8.3	8.3.1.4	2300041417	843	12	0.461	33.8	0.75	16.7	0.71	25	11.9	46.77	74.78	1	1	1	1	1	28.01	37.45329636
8258	07/01/2021	8	8.3	8.3.1.4	2300041362	849	10	0.472	34.1	0.59	14.8	0.66	20	9.8	48.55	74.82	1	1	1	1	1	26.27	35.10908795
8259	07/01/2021	8	8.3	8.3.1.4	2300041501	872	10	0.414	33.8	0.70	22.5	0.44	24	9.9	41.84	74.97	1	1	1	1	1	33.12	44.18492905
8260	07/01/2021	8	8.3	8.3.1.4	2300041478	878	7	0.338	34.3	0.58	17.4	0.39	20	6.8	34.11	75.01	1	1	1	1	1	40.89	54.52210357
8261	07/01/2021	8	8.3	8.3.1.4	2300040937	881	7	0.411	34.1	0.45	18.9	0.34	15	6.4	41.88	75.02	1	1	1	1	1	33.15	44.18238221
8262	07/01/2021	8	8.3	8.3.1.4	2300038390	837	39	0.567	18.4	3.67	10.7	3.69	68	39.5	58.47	74.74	1	1	1	1	0	16.27	21.77296075
8263	07/01/2021	8	8.3	8.3.1.4	2300038387	797	87	0.402	34.1	6.21	17.4	5.03	212	87.5	41.33	74.49	1	1	1	1	1	33.16	44.51291153
8264	07/01/2021	8	8.3	8.3.1.4	2300041612	798	76	0.389	34.1	5.61	17.0	4.50	191	76.5	39.99	74.49	1	1	1	1	1	34.50	46.31813887
8265	07/01/2021	8	8.3	8.3.1.4	2300041575	823	16	0.291	34.1	1.53	18.2	0.85	52	15.5	29.65	74.65	1	1	1	1	1	45.00	60.28120398

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8266	07/01/2021	8	8.3	8.3.1.4	2300039958	827	99	0.584	23.0	7.16	15.1	6.56	165	99.1	60.15	74.68	1	1	1	0	0	14.53	19.45425597
8267	07/01/2021	8	8.3	8.3.1.4	2300039983	820	98	0.589	22.5	7.17	14.8	6.60	161	97.7	60.55	74.63	1	1	1	0	0	14.09	18.87265582
8268	07/01/2021	8	8.3	8.3.1.4	2300039955	813	7	0.294	33.8	0.73	17.3	0.43	25	7.4	30.15	74.59	1	1	1	1	1	44.44	59.57974499
8269	07/01/2021	8	8.3	8.3.1.4	2300041277	804	109	0.459	33.9	6.85	19.8	5.54	232	109.7	47.24	74.53	1	1	1	1	1	27.29	36.62116663
8270	07/01/2021	8	8.3	8.3.1.4	2300039978	812	82	0.401	34.7	5.78	17.9	4.61	201	82.5	41.14	74.58	1	1	1	1	1	33.44	44.83571933
8271	07/01/2021	8	8.3	8.3.1.4	2300041276	824	20	0.288	34.4	1.98	11.3	1.79	68	20.2	29.70	74.66	1	1	1	1	1	44.96	60.22390146
8272	07/01/2021	8	8.3	8.3.1.4	2300040704	848	55	0.377	34.5	4.10	17.2	3.18	141	54.7	38.67	74.81	1	1	1	1	1	36.15	48.31382618
8273	07/01/2021	8	8.3	8.3.1.4	2300041677	840	103	0.608	22.6	7.29	15.5	6.63	165	102.8	62.37	74.76	1	1	1	0	0	12.39	16.56882727
8274	07/01/2021	8	8.3	8.3.1.4	2300041673	847	128	0.542	33.8	6.81	23.4	5.48	230	128.2	55.71	74.81	1	1	1	1	1	19.10	25.52825567
8275	07/01/2021	8	8.3	8.3.1.4	2300041455	846	70	0.391	34.6	5.08	17.4	4.05	176	70.5	40.09	74.80	1	1	1	1	1	34.71	46.40052447
8276	07/01/2021	8	8.4	8.4.7.1	2300039802	843	18	0.309	34.1	1.65	17.6	1.01	56	17.8	31.59	74.78	1	1	1	1	1	43.19	57.7522788
8277	07/01/2021	8	8.4	8.4.7.1	2300029575	837	110	0.611	22.9	7.64	15.5	7.10	175	110.1	62.90	74.74	1	1	1	0	0	11.84	15.8426905
8278	07/01/2021	8	8.4	8.4.7.1	2300041613	831	13	0.368	34.1	1.02	14.0	0.94	35	13.2	37.84	74.70	1	1	1	1	1	36.87	49.35283313
8279	07/01/2021	8	8.4	8.4.7.1	2300041624	828	28	0.584	34.3	1.38	21.0	1.35	47	28.4	59.89	74.69	1	1	1	0	0	14.79	19.80536622
8280	07/01/2021	8	8.4	8.4.7.1	2300041629	835	10	0.399	33.9	0.76	19.7	0.53	26	10.4	40.53	74.73	1	1	1	1	1	34.20	45.77072192
8281	07/01/2021	8	8.4	8.4.7.1	2300029613	844	11	0.383	33.6	0.85	16.5	0.68	29	11.2	39.29	74.79	1	1	1	1	1	35.50	47.47028346
8282	07/01/2021	8	8.4	8.4.7.1	2300029399	853	10	0.422	33.9	0.67	19.6	0.50	23	9.8	43.15	74.85	1	1	1	1	1	31.70	42.35155177
8283	07/01/2021	8	8.4	8.4.7.1	2300041622	865	11	0.380	33.7	0.86	13.9	0.81	29	11.3	38.85	74.92	1	1	1	1	1	36.07	48.14840683
8284	07/01/2021	8	8.4	8.4.7.1	2300031843	839	69	0.432	34.3	4.57	15.6	4.47	157	69.7	44.49	74.76	1	1	1	1	1	30.27	40.49162792
8285	07/01/2021	8	8.4	8.4.7.3	2300037007	827	45	0.398	33.6	3.25	25.2	1.77	109	44.6	40.85	74.68	1	1	1	1	1	33.83	45.30421773
8286	07/01/2021	8	8.4	8.4.7.3	2300029559	829	22	0.534	34.3	1.19	24.9	0.89	41	22.2	54.29	74.69	1	1	1	1	1	20.40	27.30969191
8287	07/01/2021	8	8.4	8.4.7.3	2300029562	841	29	0.505	34.3	1.65	18.5	1.58	57	29.2	51.65	74.77	1	1	1	1	1	23.12	30.92312788
8288	07/01/2021	8	8.4	8.4.7.3	2300041625	843	9	0.382	34.2	0.64	19.2	0.44	22	8.4	38.60	74.78	1	1	1	1	1	36.18	48.38744066
8289	07/01/2021	8	8.4	8.4.7.3	2300029307	862	39	0.381	34.1	2.94	17.6	2.23	100	39.2	39.15	74.90	1	1	1	1	1	35.75	47.73417996
8290	07/01/2021	8	8.4	8.4.7.3	2300041046	874	91	0.587	22.7	6.64	14.9	6.14	151	91.5	60.70	74.98	1	1	1	0	0	14.28	19.04986381
8291	07/01/2021	8	8.4	8.4.7.3	2300029509	862	137	0.554	33.7	7.12	22.8	6.01	240	137.0	57.11	74.90	1	1	1	1	0	17.79	23.75675505
8292	07/01/2021	8	8.4	8.4.7.3	2300041509	847	95	0.582	22.7	6.97	14.5	6.54	158	94.8	59.94	74.81	1	1	1	0	0	14.87	19.87905964
8293	07/01/2021	8	8.4	8.4.7.3	2300029502	867	137	0.492	34.4	7.83	20.7	6.62	269	137.0	50.88	74.93	1	1	1	1	1	24.06	32.10706591
8294	07/01/2021	3	3.3	3.3.2.3	2300043443	978	126	21.2	31	5.9	6.3	6.3	183	39.7	21.70	75.65	1	1	1	1	1	53.94	71.31294157
8295	07/01/2021	3	3.3	3.3.2.3	2300051483	982	79	35.5	30	6.7	13.6	5.4	201	73.4	36.54	75.67	1	1	1	1	1	39.13	51.7154392

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8296	07/01/2021	3	3.3	3.3.2.3	2300043561	883	89	55.7	22	6.5	14.7	5.5	143	80.9	56.54	75.04	1	1	1	1	0	18.50	24.65275685
8297	07/01/2021	3	3.3	3.3.2.3	2300043431	885	127	58	30	6.4	22	5.3	192	116.6	60.73	75.05	1	1	1	0	0	14.32	19.0817233
8298	07/01/2021	3	3.3	3.3.2.3	2300043421	889	20	20	30	2.4	18.2	2.1	72	38.2	53.08	75.08	1	1	1	1	1	21.99	29.29349438
8299	07/01/2021	3	3.3	3.3.2.3	23000	890	21	28	30	2.1	20.2	2	63	40.4	64.13	75.08	1	1	0	0	0	10.96	14.59073529
8300	07/01/2021	3	3.3	3.3.2.3	2300043580	983	74	36.5	30	6.2	13.5	5.1	186	68.9	37.02	75.68	1	1	1	1	1	38.66	51.08681474
8301	07/01/2021	3	3.3	3.3.2.3	2300051636	997	79	34.6	30	6.8	13	5.6	204	72.8	35.69	75.77	1	1	1	1	1	40.08	52.89985256
8302	07/01/2021	3	3.3	3.3.2.3	2300043565	1003	102	48.3	30	7.2	19.8	4.8	216	95.0	44.00	75.81	1	1	1	1	1	31.81	41.95648847
8303	07/01/2021	3	3.3	3.3.2.3	2300051670	990	96	40.3	30	7.1	14.4	6.2	213	89.3	41.92	75.72	1	1	1	1	1	33.81	44.64555485
8304	07/01/2021	3	3.3	3.3.2.3	2300043611	980	10	20	30	2.4	21	1.4	72	29.4	40.83	75.66	1	1	1	1	1	34.82	46.0290606
8305	07/01/2021	3	3.3	3.3.2.3	2300051668	963	135	60.6	31	6.2	24	4.9	192	117.6	61.19	75.55	1	1	1	0	0	14.36	19.01136702
8306	07/01/2021	3	3.3	3.3.2.3	2300048046	967	73	33.2	30	6.8	12.7	5.5	204	69.9	34.24	75.57	1	1	1	1	1	41.33	54.69363322
8307	07/01/2021	3	3.3	3.3.2.2	-	959	96	41	30	7.04	14.7	6.1	211	89.7	42.46	75.52	1	1	1	1	1	33.07	43.78262376
8308	07/01/2021	3	3.3	3.3.2.2	2300048173	712	56	44.4	30	4.7	15	4.3	141	64.5	45.74	73.94	1	1	1	1	1	28.20	38.13504378
8309	07/01/2021	3	3.3	3.3.2.2	23000	940	76	38.5	30	5.5	14.3	4.5	165	64.4	39.00	75.40	1	1	1	1	1	36.40	48.27723403
8310	07/01/2021	3	3.3	3.3.2.2	2300046306	930	40	20.6	30	6.5	6.8	6.1	195	41.5	21.27	75.34	1	1	1	1	1	54.07	71.76485323
8311	07/01/2021	3	3.3	3.3.2.2	2300052849	974	47	28	29	6.4	12.2	4.5	186	54.9	29.58	75.62	1	1	1	1	1	46.04	60.88349928
8312	07/01/2021	3	3.3	3.3.2.2	2300048021	1005	87	38.4	30	6.7	14.5	5.6	201	81.2	40.40	75.82	1	1	1	1	1	35.42	46.71712529
8313	07/01/2021	3	3.3	3.3.2.2	2300048029	989	85	38.4	30	6.7	14.1	5.7	201	80.4	39.99	75.72	1	1	1	1	1	35.73	47.19044077
8314	07/01/2021	3	3.3	3.3.2.2	2300048199	1008	91	39.7	30	6.9	14.4	5.9	207	85.0	41.04	75.84	1	1	1	1	1	34.79	45.87949151
8315	07/01/2021	3	3.3	3.3.2.2	2300048047	1004	86	37	30	6.9	13.7	5.8	207	79.5	38.39	75.81	1	1	1	1	1	37.43	49.36596322
8316	07/01/2021	3	3.3	3.3.2.2	23000	995	89	59	30	7.4	14.3	6.3	222	90.1	40.58	75.75	1	1	1	1	1	35.17	46.43044449
8317	07/01/2021	3	3.3	3.3.2.2	2300052307	958	27	20.2	29	5.5	6.5	5.7	160	37.1	23.23	75.52	1	1	1	1	1	52.29	69.24033184
8318	07/01/2021	3	3.3	3.3.2.2	2300046074	661	10	18.5	20	2.4	2.4	1.9	48	4.6	9.50	73.62	1	1	1	1	1	64.12	87.09526682
8319	07/01/2021	3	3.3	3.3.2.2	2300048121	938	79	37.2	31	6.6	14.2	5.3	205	75.3	36.78	75.39	1	1	1	1	1	38.61	51.20790681
8320	07/01/2021	3	3.3	3.3.2.2	2300047285	642	125	60.4	29	4.8	20.1	4.3	139	86.4	62.09	73.49	1	1	1	0	0	11.40	15.51712877
8321	07/01/2021	3	3.3	3.3.2.2	2300047578	629	90	44.8	27	4.04	14.2	3.5	109	49.7	45.56	73.41	1	1	1	1	1	27.85	37.93502713
8322	07/01/2021	3	3.3	3.3.2.2	2300047277	641	41	43.7	30	4.2	15	3.8	126	57.0	45.24	73.49	1	1	1	1	1	28.25	38.44185581
8323	07/01/2021	3	3.3	3.3.2.2	2300047571	641	129	56.1	30	4.3	21.4	3.5	129	74.9	58.06	73.49	1	1	1	1	0	15.43	20.99159118
8324	07/01/2021	3	3.3	3.3.2.2	2300046251	639	86	58.5	20	4.1	14.7	3.4	82	50.0	60.95	73.48	1	1	1	0	0	12.52	17.04563214
8325	07/01/2021	3	3.3	3.3.2.2	2300052375	627	40	42.8	31	4.5	15.3	4.03	140	61.7	44.20	73.40	1	1	1	1	1	29.20	39.78103184

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8326	07/01/2021	3	3.3	3.3.2.2	2300052847	622	88	48.6	22	4.2	15	3.1	92	46.5	50.32	73.37	1	1	1	1	1	23.04	31.40674621
8327	07/01/2021	3	3.3	3.3.2.2	2300047572	629	14	26.8	30	3.9	6.9	3.6	117	24.8	21.23	73.41	1	1	1	1	1	52.18	71.07981677
8328	07/01/2021	3	3.3	3.3.2.2	2300048204	630	96	63.3	20	4.2	15.3	3.7	84	56.6	67.39	73.42	1	0	0	0	0	6.03	8.20662897
8329	07/01/2021	3	3.3	3.3.2.2	2300043339	632	117	50.2	30	4.2	20.7	3.2	126	66.2	52.57	73.43	1	1	1	1	1	20.86	28.40684213
8330	07/01/2021	3	3.3	3.3.2.2	2300046177	630	80	54.4	30	4.4	14.1	3.7	132	52.2	39.52	73.42	1	1	1	1	1	33.90	46.16752394
8331	07/01/2021	5	5.1	5.1.1.1	220102479779	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
8332	07/01/2021	5	5.1	5.1.1.1	22011013884	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
8333	07/01/2021	5	5.1	5.1.1.1	220110873878	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
8334	07/01/2021	5	5.1	5.1.1.1	NA	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
8335	07/01/2021	5	5.1	5.1.1.3	220101288102	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
8336	07/01/2021	5	5.1	5.1.1.3	22011012881096	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
8337	07/01/2021	5	5.1	5.1.1.3	12011012479757	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
8338	07/01/2021	5	5.1	5.1.1.3	22011012479723	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
8339	07/01/2021	5	5.1	5.1.1.3	22011012887063	812	24	26.3	30	3.1	16.2		93	0.0	0.00	74.58	1	1	1	1	1	74.58	100
8340	07/01/2021	5	5.1	5.1.1.3	NA	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
8341	07/01/2021	5	5.1	5.1.1.3	22011012479743	701	107	66.2	20	4.96	14.7	4.54	99	66.7	67.28	73.87	1	0	0	0	0	6.60	8.929167487
8342	07/01/2021	5	5.1	5.1.1.3	22011012780727	840	106	47.2	32	5.85	19.1	4.58	187	87.5	46.73	74.76	1	1	1	1	1	28.03	37.49538421
8343	07/01/2021	5	5.1	5.1.1.4	22011012479793	825	129	54.6	31	5.84	21	4.82	181	101.2	55.91	74.67	1	1	1	1	1	18.76	25.11947062
8344	07/01/2021	5	5.1	5.1.1.4	22011012881115	821	134	57.7	31	5.8	21.3	4.97	180	105.9	58.88	74.64	1	1	1	1	0	15.76	21.11901108
8345	07/01/2021	5	5.1	5.1.1.4	22011012375076	823	135	58.8	31	5.78	21.4	5.02	179	107.4	59.96	74.65	1	1	1	0	0	14.70	19.68816854
8346	07/01/2021	5	5.1	5.1.1.4	22011010873706	831	104	50.1	31	5.01	19.02	4.11	155	78.2	50.33	74.70	1	1	1	1	1	24.37	32.62376594
8347	07/01/2021	5	5.1	5.1.1.4	22011012790769	605	89	48.2	30	4.27	18.8	3.42	128	64.3	50.19	73.26	1	1	1	1	1	23.07	31.4859299
8348	07/01/2021	5	5.1	5.1.2.1	22011012780798	827	93	62.3	23	5.13	16.5	4.43	118	73.1	61.95	74.68	1	1	1	0	0	12.73	17.04450893
8349	07/01/2021	5	5.1	5.1.2.1	22011012881103	1021	115	55.8	30	6.3	23.5	4.7	189	110.5	58.44	75.92	1	1	1	1	0	17.48	23.02575666
8350	07/01/2021	5	5.1	5.1.2.1	22011012174560	1020	94	64	20	6.62	15	5.92	132	88.8	67.07	75.91	1	1	0	0	0	8.84	11.65070158
8351	07/01/2021	5	5.1	5.1.2.1	22011010773445	887	98	66.5	21	5.9	15.7	5.32	124	83.5	67.41	75.06	1	1	0	0	0	7.65	10.19196009
8352	07/01/2021	5	5.1	5.1.2.1	NA	887	86	43.6	32	5.98	15.5	5.3	191	82.2	42.93	75.06	1	1	1	1	1	32.13	42.80847923
8353	08/01/2021	5	5.1	5.1.2.1	NA	886	91	63.2	21	5.84	14.8	5.28	123	78.1	63.72	75.06	1	1	1	0	0	11.34	15.10624063
8354	08/01/2021	5	5.1	5.1.2.1	22011012480063	881	100	65.7	21	6.19	14.2	5.64	130	80.1	61.61	75.02	1	1	1	0	0	13.41	17.87885922
8355	08/01/2021	5	5.1	5.1.2.1	22011012580296	919	97	62.6	21	6.12	15.5	5.52	129	85.6	66.57	75.27	1	1	0	0	0	8.69	11.5511907

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8356	08/01/2021	5	5.1	5.1.2.2	22011012182240	1033	102	62.8	30	7.38	15.7	6.62	221	103.9	46.94	76.00	1	1	1	1	1	29.05	38.22931269
8357	08/01/2021	5	5.1	5.1.2.2	22011012479835	1034	123	56	30	6.85	23.7	5.1	206	120.9	58.82	76.00	1	1	1	1	0	17.19	22.61219436
8358	08/01/2021	5	5.1	5.1.2.2	22011012780848	1048	135	62.8	30	6.82	23.8	5.57	205	132.6	64.79	76.09	1	1	0	0	0	11.30	14.85077987
8359	08/01/2021	5	5.1	5.1.2.2	22011202826589	1039	136	64	30	6.67	22.7	5.7	200	129.4	64.66	76.04	1	1	0	0	0	11.37	14.95737698
8360	08/01/2021	5	5.1	5.1.2.2	22011011174616	955	134	63.5	31	6.32	23.8	5.19	196	123.5	63.05	75.50	1	1	1	0	0	12.45	16.49161288
8361	08/01/2021	5	5.1	5.1.2.2	22011012479763	962	76	50.2	30	6.6	12.6	5.56	198	70.1	35.38	75.54	1	1	1	1	1	40.16	53.16321584
8362	08/01/2021	5	5.1	5.1.2.2	22011012780841	961	119	52.5	31	6.54	19.5	5.62	203	109.6	54.05	75.54	1	1	1	1	1	21.48	28.43919755
8363	08/01/2021	5	5.1	5.1.2.3	22011012580350	980	88	42.4	31	6.1	17.9	4.58	189	82.0	43.35	75.66	1	1	1	1	1	32.30	42.69769083
8364	08/01/2021	5	5.1	5.1.2.3	22011012375666	985	96	46	30	6.67	14.1	5.99	200	84.5	42.21	75.69	1	1	1	1	1	33.48	44.23517532
8365	08/01/2021	5	5.1	5.1.2.3	NA	738	96	62.1	20	5.3	14.6	4.7	106	68.6	64.74	74.11	1	1	0	0	0	9.37	12.64802608
8366	08/01/2021	5	5.1	5.1.2.3	22011012479790	728	104	67.5	30	5.09	15.7	4.65	153	73.0	47.81	74.05	1	1	1	1	1	26.24	35.43210059
8367	08/01/2021	5	5.1	5.1.2.3	22011012479792	677	106	66.4	20	4.91	15.7	4.43	98	69.6	70.83	73.72	0	0	0	0	0	2.89	3.924283113
8368	08/01/2021	5	5.1	5.1.2.3	22011012479777	706	95	67.5	30	4.29	23.6	4.6	129	108.6	84.35	73.90	1	1	0	0	0	-10.45	-14.1355648
8369	08/01/2021	5	5.1	5.1.2.4	22011012811188	822	106	62.1	22	5.96	15.7	5.35	131	84.0	64.06	74.65	1	1	0	0	0	10.59	14.1830058
8370	08/01/2021	5	5.1	5.1.2.4	22011011275044	889	101	66.7	21	5.83	15.7	5.22	122	82.0	66.94	75.08	1	1	0	0	0	8.14	10.8372419
8371	08/01/2021	5	5.1	5.1.2.4	22011020282658	888	104	68.8	31	5.59	23.7	5.1	173	120.9	69.75	75.07	1	0	0	0	0	5.32	7.08555594
8372	08/01/2021	5	5.1	5.1.2.4	NA	790	106	66.8	20	5.65	15.3	5.14	113	78.6	69.59	74.44	1	0	0	0	0	4.85	6.511525395
8373	08/01/2021	5	5.1	5.1.2.4	NA	862	126	54.4	32	5.76	24.1	4.61	184	111.1	60.28	74.90	1	1	1	0	0	14.63	19.52750742
8374	08/01/2021	5	5.1	5.1.2.4	22011012881167	886	106	65.2	21	6.42	15.4	5.8	135	89.3	66.25	75.06	1	1	0	0	0	8.81	11.73131402
8375	08/01/2021	5	5.1	5.1.2.4	22011012780813	903	89	45.1	28	6.38	15	5.47	179	82.1	45.93	75.17	1	1	1	1	1	29.23	38.89411225
8376	08/01/2021	5	5.1	5.1.2.4	22011012881247	916	100	64.7	21	6.29	15.4	5.58	132	85.9	65.06	75.25	1	1	0	0	0	10.19	13.54547887
8377	08/01/2021	5	5.1	5.1.2.4	22011012780824	924	103	44.8	32	6.65	16.8	6.1	213	102.5	48.16	75.30	1	1	1	1	1	27.14	36.04495278
8378	08/01/2021	5	5.1	5.1.2.4	22011011375877	916	96	43.8	31	6.51	15.4	5.87	202	90.4	44.79	75.25	1	1	1	1	1	30.45	40.47233196
8379	08/01/2021	5	5.1	5.1.2.4	22011012479844	945	114	47.8	31	6.7	19.5	5.2	208	101.4	48.82	75.43	1	1	1	1	1	26.61	35.28062404
8380	08/01/2021	5	5.1	5.1.3.1	22011012881289	755	73	44.6	32	5.36	16	4.88	172	78.1	45.52	74.22	1	1	1	1	1	28.70	38.66395206
8381	08/01/2021	5	5.1	5.1.3.1	22011012480059	750	106	68.6	32	5.3	16	4.91	170	78.6	46.32	74.19	1	1	1	1	1	27.87	37.56132597
8382	08/01/2021	5	5.1	5.1.3.1	22011012580322	805	103	65.6	21	5.65	15.7	5.06	119	79.4	66.95	74.54	1	1	0	0	0	7.58	10.17345596
8383	08/01/2021	5	5.1	5.1.3.1	22011012881178	980	104	63.2	30	7.03	16.3	6.24	211	101.7	48.23	75.66	1	1	1	1	1	27.43	36.25578787
8384	08/01/2021	5	5.1	5.1.3.1	2300053640	1014	106	43.4	31	7.11	14.9	6.58	220	98.0	44.48	75.88	1	1	1	1	1	31.39	41.37555705
8385	08/01/2021	5	5.1	5.1.3.1	2300053580	1004	103	64.9	20	6.91	15.2	6.22	138	94.5	68.41	75.81	1	0	0	0	0	7.40	9.761832552

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8386	08/01/2021	5	5.1	5.1.3.3	NA	1003	116	48.8	30	7	19.5	5.56	210	108.4	51.63	75.81	1	1	1	1	1	24.18	31.89310044
8387	08/01/2021	5	5.1	5.1.3.3	NA	787	138	57.3	31	5.49	21.8	4.53	170	98.8	58.03	74.42	1	1	1	1	0	16.40	22.03231276
8388	08/01/2021	5	5.1	5.1.3.3	NA	757	132	61.3	30	5.05	21.6	4.5	152	97.2	64.16	74.23	1	1	0	0	0	10.07	13.5690093
8389	08/01/2021	5	5.1	5.1.4.2	vspl-246902	743	126	55.1	31	5.3	20.6	4.48	164	92.3	56.17	74.14	1	1	1	1	0	17.97	24.23858804
8390	08/01/2021	5	5.1	5.1.4.2	220102167784	745	129	56.1	31	5.26	21	4.47	163	93.9	57.57	74.15	1	1	1	1	0	16.59	22.36728097
8391	08/01/2021	5	5.1	5.1.4.2	NA	963	100	61.4	21	6.97	14.5	6.19	146	89.8	61.32	75.55	1	1	1	0	0	14.23	18.83352066
8392	08/01/2021	2	2.3	2.3.1.1	220873300	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
8393	08/01/2021	2	2.3	2.3.1.1	NA	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
8394	08/01/2021	2	2.3	2.3.1.1	NA	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
8395	08/01/2021	2	2.3	2.3.1.2	2201100014329	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
8396	08/01/2021	2	2.3	2.3.1.2	22011010744322	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
8397	08/01/2021	2	2.3	2.3.1.2	220110114341	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
8398	08/01/2021	2	2.3	2.3.1.3	2201101074342	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
8399	08/01/2021	2	2.3	2.3.1.3	221020182138	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
8400	08/01/2021	2	2.3	2.3.1.3	2201010873611	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
8401	08/01/2021	2	2.3	2.3.1.3	NA	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
8402	08/01/2021	2	2.3	2.3.1.3	2201022981661	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
8403	08/01/2021	2	2.3	2.3.1.3	2201010873799	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
8404	08/01/2021	2	2.3	2.3.1.3	2201010873782	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
8405	08/01/2021	2	2.3	2.3.1.4	2201111174808	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
8406	08/01/2021	2	2.3	2.3.1.4	22010102246909	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
8407	08/01/2021	2	2.3	2.3.1.4	2201101074303	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
8408	08/01/2021	2	2.3	2.3.2.1	220110174538	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
8409	08/01/2021	2	2.3	2.3.2.1	NA	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
8410	08/01/2021	2	2.3	2.3.2.1	NA	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
8411	08/01/2021	2	2.3	2.3.2.1	22011074142	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
8412	08/01/2021	2	2.3	2.3.2.1	220110174140	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
8413	08/01/2021	2	2.3	2.3.2.1	2201022368239	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
8414	08/01/2021	2	2.3	2.3.2.2	NA	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
8415	08/01/2021	2	2.3	2.3.2.2	2201011375792	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8416	08/01/2021	2	2.3	2.3.2.2	NA	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
8417	08/01/2021	2	2.3	2.3.2.2	22011275337	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
8418	08/01/2021	2	2.3	2.3.2.2	22011275398	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
8419	08/01/2021	2	2.3	2.3.2.2	NA	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
8420	08/01/2021	2	2.3	2.3.2.3	220110173403	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
8421	08/01/2021	2	2.3	2.3.2.3	2201111074145	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
8422	08/01/2021	2	2.3	2.3.2.3	220110873864	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
8423	08/01/2021	2	2.3	2.3.2.3	2201012468980	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
8424	08/01/2021	2	2.3	2.3.2.3	NA	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
8425	08/01/2021	2	2.3	2.3.2.3	22011011074133	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
8426	08/01/2021	2	2.3	2.3.2.4	2201100773455	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
8427	08/01/2021	2	2.3	2.3.2.4	220110103402	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
8428	08/01/2021	2	2.3	2.3.2.4	2201101073392	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
8429	08/01/2021	2	2.3	2.3.2.4	220110873807	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
8430	08/01/2021	2	2.3	2.3.2.4	220110873897	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
8431	08/01/2021	2	2.3	2.3.2.4	220111275901	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
8432	08/01/2021	2	2.3	2.3.3.1	220122469018	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
8433	08/01/2021	2	2.3	2.3.3.1	220112368737	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
8434	08/01/2021	2	2.3	2.3.3.1	220102468999	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
8435	08/01/2021	2	2.3	2.3.3.2	2201022468912	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
8436	08/01/2021	2	2.3	2.3.3.2	NA	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
8437	08/01/2021	2	2.3	2.3.3.2	220101269019	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
8438	08/01/2021	2	2.3	2.3.3.2	220102468998	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
8439	08/01/2021	2	2.3	2.3.3.2	220122468918	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
8440	08/01/2021	2	2.3	2.3.3.3	2201022368236	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
8441	08/01/2021	2	2.3	2.3.3.3	NA	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
8442	08/01/2021	2	2.3	2.3.3.3	NA	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
8443	08/01/2021	2	2.3	2.3.3.4	2201012489036	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
8444	08/01/2021	2	2.3	2.3.3.4	220112246894	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
8445	08/01/2021	2	2.3	2.3.3.4	2201101074254	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8446	08/01/2021	2	2.3	2.3.3.4	2201100572175	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
8447	08/01/2021	2	2.3	2.3.3.4	22010122970121	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
8448	08/01/2021	2	2.3	2.3.3.4	2201012970123	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
8449	08/01/2021	2	2.3	2.3.3.4	NA	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
8450	08/01/2021	2	2.3	2.3.4.1	2201102970131	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
8451	08/01/2021	2	2.3	2.3.4.1	220110672719	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
8452	08/01/2021	2	2.3	2.3.4.2	NA	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
8453	08/01/2021	2	2.3	2.3.4.2	22022469008	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
8454	08/01/2021	2	2.3	2.3.4.2	220110574061	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
8455	08/01/2021	2	2.3	2.3.4.2	22011074233	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
8456	08/01/2021	2	2.3	2.3.4.2	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
8457	08/01/2021	2	2.3	2.3.4.2	22010773299	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
8458	08/01/2021	2	2.3	2.3.4.2	220110572181	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
8459	08/01/2021	2	2.3	2.3.4.3	NA	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
8460	08/01/2021	2	2.3	2.3.4.3	2201022468976	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
8461	08/01/2021	2	2.3	2.3.4.3	NA	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
8462	08/01/2021	2	2.3	2.3.4.4	220122468974	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
8463	08/01/2021	2	2.3	2.3.4.4	220102869309	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
8464	08/01/2021	2	2.3	2.3.4.4	NA	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
8465	08/01/2021	2	2.3	2.3.5.1	2201112780815	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
8466	08/01/2021	2	2.3	2.3.5.1	NA	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
8467	08/01/2021	2	2.3	2.3.5.1	220120282321	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
8468	08/01/2021	2	2.3	2.3.5.1	22011580391	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
8469	08/01/2021	2	2.3	2.3.5.2	2201112078142	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
8470	08/01/2021	2	2.3	2.3.5.2	NA	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
8471	08/01/2021	2	2.3	2.3.5.2	220112780680	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
8472	08/01/2021	2	2.3	2.3.5.2	2201100382897	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
8473	08/01/2021	2	2.3	2.3.5.2	2201102780798	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
8474	08/01/2021	2	2.3	2.3.5.2	2201102780687	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
8475	08/01/2021	2	2.3	2.3.5.2	NA	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8476	08/01/2021	2	2.3	2.3.5.3	2201012981404	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
8477	08/01/2021	2	2.3	2.3.5.3	2201112488060	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
8478	08/01/2021	2	2.3	2.3.5.3	220112580394	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
8479	08/01/2021	2	2.3	2.3.5.3	NA	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
8480	08/01/2021	2	2.3	2.3.5.3	2201012580395	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
8481	08/01/2021	2	2.3	2.3.5.3	2201102580388	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
8482	08/01/2021	2	2.3	2.3.5.3	220112580389	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
8483	08/01/2021	2	2.3	2.3.5.3	2201012780520	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
8484	08/01/2021	2	2.3	2.3.5.3	NA	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
8485	08/01/2021	2	2.3	2.3.5.3	NA	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
8486	08/01/2021	2	2.3	2.3.5.4	2201020382750	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
8487	08/01/2021	2	2.3	2.3.5.4	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
8488	08/01/2021	2	2.3	2.3.5.4	220120282544	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
8489	08/01/2021	2	2.3	2.3.5.4	220020281323	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
8490	08/01/2021	2	2.3	2.3.6.1	220110174238	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
8491	08/01/2021	2	2.3	2.3.6.1	22010869256	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
8492	08/01/2021	2	2.3	2.3.6.1	220101269940	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
8493	08/01/2021	2	2.3	2.3.6.1	220102969949	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
8494	08/01/2021	2	2.3	2.3.6.2	220110073887	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
8495	08/01/2021	2	2.3	2.3.6.2	22010773284	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
8496	08/01/2021	2	2.3	2.3.6.2	2201873902	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
8497	08/01/2021	2	2.3	2.3.6.3	2201022969893	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
8498	08/01/2021	2	2.3	2.3.6.3	2201122969888	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
8499	08/01/2021	2	2.3	2.3.6.3	2201012969693	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
8500	08/01/2021	2	2.3	2.3.6.3	2201112488058	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
8501	08/01/2021	2	2.3	2.3.6.3	22012178806	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
8502	08/01/2021	2	2.3	2.3.6.3	2201012580283	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
8503	08/01/2021	2	2.3	2.3.6.4	22012297805	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
8504	08/01/2021	2	2.3	2.3.6.4	220110773354	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
8505	08/01/2021	2	2.3	2.3.6.4	220012178814	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8506	08/01/2021	2	2.3	2.3.6.4	2201112178804	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
8507	08/01/2021	2	2.4	2.4.1.1	NA	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
8508	08/01/2021	2	2.4	2.4.1.1	NA	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
8509	08/01/2021	2	2.4	2.4.1.1	2201101114544	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
8510	08/01/2021	2	2.4	2.4.1.1	NA	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
8511	08/01/2021	2	2.4	2.4.1.2	2201112880232	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
8512	08/01/2021	2	2.4	2.4.1.2	2201012981407	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
8513	08/01/2021	2	2.4	2.4.1.2	NA	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
8514	08/01/2021	2	2.4	2.4.1.2	220012981675	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
8515	08/01/2021	2	2.4	2.4.1.3	2201112981120	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
8516	08/01/2021	2	2.4	2.4.1.3	220010572140	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
8517	08/01/2021	2	2.4	2.4.1.3	2201011576629	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
8518	08/01/2021	2	2.4	2.4.1.3	NA	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
8519	08/01/2021	2	2.4	2.4.1.3	NA	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
8520	08/01/2021	2	2.4	2.4.1.3	NA	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
8521	08/01/2021	2	2.4	2.4.1.3	220111476467	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
8522	08/01/2021	2	2.4	2.4.1.4	2201110873614	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
8523	08/01/2021	2	2.4	2.4.1.4	NA	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
8524	08/01/2021	2	2.4	2.4.1.4	NA	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
8525	08/01/2021	2	2.4	2.4.1.4	NA	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
8526	08/01/2021	2	2.4	2.4.1.4	NA	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
8527	08/01/2021	2	2.4	2.4.1.4	22011128804	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
8528	08/01/2021	2	2.4	2.4.1.4	NA	887	98	66.5	21	5.9	15.7	5.32	124	83.5	67.41	75.06	1	1	0	0	0	7.65	10.19196009
8529	08/01/2021	2	2.4	2.4.1.4	2201100672535	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
8530	08/01/2021	2	2.4	2.4.1.4	22011012580241	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
8531	08/01/2021	2	2.4	2.4.1.4	22011012580242	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
8532	08/01/2021	2	2.4	2.4.2.1	22011010282547	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
8533	08/01/2021	2	2.4	2.4.2.1	22011010282384	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
8534	08/01/2021	2	2.4	2.4.2.1	NA	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
8535	08/01/2021	2	2.4	2.4.2.1	22012010871062	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8536	08/01/2021	2	2.4	2.4.2.1	22011010282483	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
8537	08/01/2021	2	2.4	2.4.2.1	NA	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
8538	08/01/2021	2	2.4	2.4.2.2	NA	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
8539	08/01/2021	2	2.4	2.4.2.2	22011010762738	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
8540	08/01/2021	2	2.4	2.4.2.2	22011010672794	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
8541	08/01/2021	2	2.4	2.4.2.2	22011010672793	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
8542	08/01/2021	2	2.4	2.4.2.3	NA	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
8543	08/01/2021	2	2.4	2.4.2.3	22011010382846	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
8544	08/01/2021	2	2.4	2.4.2.3	NA	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
8545	08/01/2021	2	2.4	2.4.2.3	22011010298111	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
8546	08/01/2021	2	2.4	2.4.2.3	NA	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
8547	08/01/2021	2	2.4	2.4.2.4	220110102297004	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
8548	08/01/2021	2	2.4	2.4.2.4	NA	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
8549	08/01/2021	2	2.4	2.4.2.4	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
8550	08/01/2021	2	2.4	2.4.2.4	220110102078034	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
8551	08/01/2021	2	2.4	2.4.2.4	22011012981647	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
8552	08/01/2021	2	2.4	2.4.3.1	22011010580218	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
8553	08/01/2021	2	2.4	2.4.3.1	220110112580294	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
8554	08/01/2021	2	2.4	2.4.3.1	22011012580813	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
8555	08/01/2021	2	2.4	2.4.3.1	NA	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
8556	08/01/2021	2	2.4	2.4.3.1	22011012580353	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
8557	08/01/2021	2	2.4	2.4.3.2	22012780781	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
8558	08/01/2021	2	2.4	2.4.3.2	220110012275247	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
8559	08/01/2021	2	2.4	2.4.3.2	NA	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
8560	08/01/2021	2	2.4	2.4.3.2	NA	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
8561	08/01/2021	2	2.4	2.4.3.2	NA	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
8562	08/01/2021	2	2.4	2.4.3.2	22011012580821	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
8563	08/01/2021	2	2.4	2.4.3.2	NA	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
8564	08/01/2021	2	2.4	2.4.3.3	22011012490370	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
8565	08/01/2021	2	2.4	2.4.3.3	22011012773382	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8566	08/01/2021	2	2.4	2.4.3.3	NA	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
8567	08/01/2021	2	2.4	2.4.3.3	22011012235455	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
8568	08/01/2021	2	2.4	2.4.3.3	NA	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
8569	08/01/2021	2	2.4	2.4.3.3	NA	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
8570	08/01/2021	2	2.4	2.4.3.3	22011012580331	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
8571	08/01/2021	2	2.4	2.4.3.3	NA	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
8572	08/01/2021	2	2.4	2.4.3.4	NA	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
8573	08/01/2021	2	2.4	2.4.3.4	22011012780780	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
8574	08/01/2021	2	2.4	2.4.3.4	22011012780784	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
8575	08/01/2021	2	2.4	2.4.3.4	22011012580203	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
8576	08/01/2021	2	2.4	2.4.3.4	NA	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
8577	08/01/2021	2	2.4	2.4.3.4	NA	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
8578	08/01/2021	2	2.4	2.4.4.1	22011011074124	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
8579	08/01/2021	2	2.4	2.4.4.1	220110120182263	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
8580	08/01/2021	2	2.4	2.4.4.1	NA	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
8581	08/01/2021	2	2.4	2.4.4.1	22011002981447	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
8582	08/01/2021	2	2.4	2.4.4.1	22011012981586	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
8583	08/01/2021	2	2.4	2.4.4.1	NA	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
8584	08/01/2021	2	2.4	2.4.4.3	NA	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
8585	08/01/2021	2	2.4	2.4.4.3	220110120788091	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
8586	08/01/2021	2	2.4	2.4.4.3	NA	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
8587	08/01/2021	2	2.4	2.4.4.3	22011012152551	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
8588	08/01/2021	2	2.4	2.4.4.3	22011012981583	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
8589	09/01/2021	2	2.4	2.4.4.4	NA	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
8590	09/01/2021	2	2.4	2.4.4.4	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
8591	09/01/2021	2	2.4	2.4.5.1	NA	926	30	26.4	18	5.1	21	5.6	92	117.6	128.10	75.31	1	1	1	1	1	-52.79	-70.09758707
8592	09/01/2021	2	2.4	2.4.5.1	NA	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
8593	09/01/2021	2	2.4	2.4.5.1	NA	820	29	30.2	32	6.4	24	4.6	205	110.4	53.91	74.63	1	1	1	1	1	20.73	27.77252995
8594	09/01/2021	2	2.4	2.4.5.1	220110122858230	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
8595	09/01/2021	2	2.4	2.4.5.1	2201101230705	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8596	09/01/2021	2	2.4	2.4.5.1	NA	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
8597	09/01/2021	2	2.4	2.4.5.2	NA	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
8598	09/01/2021	2	2.4	2.4.5.2	NA	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
8599	09/01/2021	2	2.4	2.4.5.2	NA	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
8600	09/01/2021	2	2.4	2.4.5.2	22011001174693	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
8601	09/01/2021	2	2.4	2.4.5.2	NA	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
8602	09/01/2021	2	2.4	2.4.5.2	2300036244	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
8603	09/01/2021	2	2.4	2.4.5.3	NA	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
8604	09/01/2021	2	2.4	2.4.5.3	NA	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
8605	09/01/2021	2	2.4	2.4.5.3	NA	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
8606	09/01/2021	2	2.4	2.4.5.3	NA	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
8607	09/01/2021	2	2.4	2.4.5.3	NA	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
8608	09/01/2021	2	2.4	2.4.5.3	NA	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
8609	09/01/2021	2	2.4	2.4.5.4	2201100672700	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
8610	09/01/2021	2	2.4	2.4.5.4	22011006772853	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
8611	09/01/2021	2	2.4	2.4.5.4	NA	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
8612	09/01/2021	2	2.4	2.4.5.4	NA	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
8613	09/01/2021	2	2.4	2.4.5.4	2300025844	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
8614	09/01/2021	2	2.4	2.4.6.4	NA	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
8615	09/01/2021	2	2.5	2.5.3.1	NA	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
8616	09/01/2021	2	2.5	2.5.3.1	22011010182153	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
8617	09/01/2021	2	2.5	2.5.3.1	NA	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
8618	09/01/2021	2	2.5	2.5.3.1	22011012780864	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
8619	09/01/2021	2	2.5	2.5.3.1	NA	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
8620	09/01/2021	2	2.5	2.5.3.1	220110282882	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
8621	09/01/2021	2	2.5	2.5.3.1	22011012780862	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
8622	09/01/2021	2	2.5	2.5.3.1	22011011280886	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
8623	09/01/2021	2	2.5	2.5.3.1	NA	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
8624	09/01/2021	2	2.5	2.5.3.1	NA	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
8625	09/01/2021	2	2.5	2.5.3.1	22011012780770	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8626	09/01/2021	2	2.5	2.5.3.2	22011011780785	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1364557026
8627	09/01/2021	2	2.5	2.5.3.2	220110012780859	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
8628	09/01/2021	2	2.5	2.5.3.2	22011027282460	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
8629	09/01/2021	2	2.5	2.5.3.2	22011012580258	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
8630	09/01/2021	2	2.5	2.5.3.2	2201110172812	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
8631	09/01/2021	2	2.5	2.5.3.2	22011010762741	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
8632	09/01/2021	2	2.5	2.5.3.2	NA	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
8633	09/01/2021	2	2.5	2.5.3.2	NA	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
8634	09/01/2021	2	2.5	2.5.3.3	NA	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
8635	09/01/2021	2	2.5	2.5.3.3	NA	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
8636	09/01/2021	2	2.5	2.5.3.3	22011020182171	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
8637	09/01/2021	2	2.5	2.5.3.3	22011020182173	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
8638	09/01/2021	2	2.5	2.5.3.3	NA	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
8639	09/01/2021	2	2.5	2.5.3.3	220110120780865	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
8640	09/01/2021	2	2.5	2.5.3.3	2201101028249	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
8641	09/01/2021	2	2.5	2.5.3.3	22011012981424	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
8642	09/01/2021	2	2.5	2.5.3.4	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
8643	09/01/2021	2	2.5	2.5.3.4	NA	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
8644	09/01/2021	2	2.5	2.5.3.4	2201101072739	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
8645	09/01/2021	2	2.5	2.5.3.4	22011012530435	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
8646	09/01/2021	2	2.5	2.5.3.4	NA	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
8647	09/01/2021	2	2.5	2.5.4.1	NA	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
8648	09/01/2021	2	2.5	2.5.4.1	22011120069985	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
8649	09/01/2021	2	2.5	2.5.4.1	NA	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
8650	09/01/2021	2	2.5	2.5.4.1	22011000371727	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
8651	09/01/2021	2	2.5	2.5.4.1	2201100070335	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
8652	09/01/2021	2	2.5	2.5.4.1	220110020385989	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
8653	09/01/2021	2	2.5	2.5.4.1	2201101073166	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
8654	09/01/2021	2	2.5	2.5.4.1	NA	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
8655	09/01/2021	2	2.5	2.5.4.2	22011012572137	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8656	09/01/2021	2	2.5	2.5.4.2	NA	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
8657	09/01/2021	2	2.5	2.5.4.2	NA	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
8658	09/01/2021	2	2.5	2.5.4.2	22011000773342	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
8659	09/01/2021	2	2.5	2.5.4.2	NA	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
8660	09/01/2021	2	2.5	2.5.4.3	22011020382986	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
8661	09/01/2021	2	2.5	2.5.4.3	NA	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
8662	09/01/2021	2	2.5	2.5.4.3	2201101072813	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
8663	09/01/2021	2	2.5	2.5.4.3	2201122059991	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
8664	09/01/2021	2	2.5	2.5.4.3	NA	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
8665	09/01/2021	2	2.5	2.5.4.3	NA	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
8666	09/01/2021	2	2.5	2.5.4.4	2201112209934	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
8667	09/01/2021	2	2.5	2.5.4.4	2201102296996	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
8668	09/01/2021	2	2.5	2.5.4.4	2201112205994	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
8669	09/01/2021	2	2.5	2.5.4.4	220110090989	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
8670	09/01/2021	2	2.5	2.5.4.4	22011022969655	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
8671	09/01/2021	2	2.5	2.5.5.1	220112224815	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
8672	09/01/2021	2	2.5	2.5.5.1	NA	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
8673	09/01/2021	2	2.5	2.5.5.1	2201101211088	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
8674	09/01/2021	2	2.5	2.5.5.2	22011012881146	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
8675	09/01/2021	2	2.5	2.5.5.3	22011010783801	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
8676	09/01/2021	2	2.5	2.5.5.3	NA	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
8677	09/01/2021	2	2.5	2.5.5.4	22011010248046	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
8678	09/01/2021	2	2.5	2.5.5.4	NA	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
8679	09/01/2021	2	2.5	2.5.5.4	22011010279495	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
8680	09/01/2021	2	2.5	2.5.6.1	2201120069060	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
8681	09/01/2021	2	2.5	2.5.6.1	22011012981798	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
8682	09/01/2021	2	2.5	2.5.6.1	22011012203898	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
8683	09/01/2021	2	2.5	2.5.6.1	NA	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
8684	09/01/2021	2	2.5	2.5.6.1	NA	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
8685	09/01/2021	2	2.5	2.5.6.2	22011012746001	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8686	09/01/2021	2	2.5	2.5.6.2	NA	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
8687	09/01/2021	2	2.5	2.5.6.2	22011012074122	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
8688	09/01/2021	2	2.5	2.5.6.2	NA	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
8689	09/01/2021	2	2.5	2.5.6.2	22011012981497	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
8690	09/01/2021	2	2.5	2.5.6.2	NA	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
8691	09/01/2021	2	2.5	2.5.6.2	2201101174591	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
8692	09/01/2021	2	2.5	2.5.6.3	22011012275980	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
8693	09/01/2021	2	2.5	2.5.6.3	22022111469898	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
8694	09/01/2021	2	2.5	2.5.6.3	NA	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
8695	09/01/2021	2	2.5	2.5.6.3	22011011740055	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
8696	09/01/2021	2	2.5	2.5.6.3	22011012074197	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
8697	09/01/2021	2	2.5	2.5.6.4	22011012077422	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
8698	09/01/2021	2	2.5	2.5.6.4	22011012074201	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
8699	09/01/2021	2	2.5	2.5.6.4	22011010271127	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
8700	09/01/2021	2	2.5	2.5.6.4	22011012174593	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
8701	09/01/2021	2	2.5	2.5.6.4	NA	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
8702	09/01/2021	2	2.5	2.5.6.4	22011012074203	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
8703	09/01/2021	2	2.5	2.5.6.4	22011012981528	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
8704	09/01/2021	2	2.5	2.5.6.4	NA	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
8705	09/01/2021	2	2.5	2.5.7.1	220110122176584	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
8706	09/01/2021	2	2.5	2.5.7.1	220110122167573	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
8707	09/01/2021	2	2.5	2.5.7.1	220110122167570	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
8708	09/01/2021	2	2.5	2.5.7.3	22011012072353	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
8709	09/01/2021	9	9.1	9.1.1.1	NA	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
8710	09/01/2021	9	9.1	9.1.1.1	2300052456	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
8711	09/01/2021	9	9.1	9.1.1.1	NA	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
8712	09/01/2021	9	9.1	9.1.1.1	2300051567	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
8713	09/01/2021	9	9.1	9.1.1.2	2300052569	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
8714	09/01/2021	9	9.1	9.1.1.2	NA	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
8715	09/01/2021	9	9.1	9.1.1.2	NA	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8716	09/01/2021	9	9.1	9.1.1.3	2300041994	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
8717	09/01/2021	9	9.1	9.1.1.3	2300041987	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
8718	09/01/2021	9	9.1	9.1.1.3	2300041989	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
8719	09/01/2021	9	9.1	9.1.1.3	2300037831	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
8720	09/01/2021	9	9.1	9.1.1.3	2300041353	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
8721	09/01/2021	9	9.1	9.1.1.4	230009162	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
8722	09/01/2021	9	9.1	9.1.1.4	NA	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
8723	09/01/2021	9	9.1	9.1.1.4	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
8724	09/01/2021	9	9.1	9.1.2.1	NA	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
8725	09/01/2021	9	9.1	9.1.2.1	NA	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
8726	09/01/2021	9	9.1	9.1.2.1	NA	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
8727	09/01/2021	9	9.1	9.1.2.1	NA	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
8728	09/01/2021	9	9.1	9.1.2.1	2300036117	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
8729	09/01/2021	9	9.1	9.1.2.1	2300035971	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
8730	09/01/2021	9	9.1	9.1.2.2	2300036121	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
8731	09/01/2021	9	9.1	9.1.2.2	2300029470	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
8732	09/01/2021	9	9.1	9.1.2.2	2300032344	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
8733	09/01/2021	9	9.1	9.1.2.3	NA	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
8734	09/01/2021	9	9.1	9.1.2.3	NA	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
8735	09/01/2021	9	9.1	9.1.2.3	2300042332	786	37	24.4	32	5.4	14	3.8	173	53.2	30.79	74.42	1	1	1	1	1	43.63	58.62869336
8736	09/01/2021	9	9.1	9.1.2.3	2300029476	792	23	20.3	30	5.2	20.8	3.9	156	81.1	52.00	74.45	1	1	1	1	1	22.45	30.15896893
8737	09/01/2021	9	9.1	9.1.2.4	2300044026	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
8738	09/01/2021	9	9.1	9.1.2.4	2300039483	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
8739	09/01/2021	9	9.1	9.1.2.4	NA	703	26	20.4	31	5	24	4.1	155	98.4	63.48	73.89	1	1	0	0	0	10.40	14.07768949
8740	09/01/2021	9	9.1	9.1.2.4	2300035964	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
8741	09/01/2021	9	9.1	9.1.3.1	2300047088	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
8742	09/01/2021	9	9.1	9.1.3.1	2300047082	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
8743	09/01/2021	9	9.1	9.1.3.1	2300042024	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
8744	09/01/2021	9	9.1	9.1.3.1	2300044028	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
8745	09/01/2021	9	9.1	9.1.3.1	2300044554	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8746	09/01/2021	9	9.1	9.1.3.1	2300042466	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
8747	09/01/2021	9	9.1	9.1.3.2	NA	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
8748	09/01/2021	9	9.1	9.1.3.2	NA	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
8749	09/01/2021	9	9.1	9.1.3.2	2300052512	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
8750	09/01/2021	9	9.1	9.1.3.2	NA	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
8751	09/01/2021	9	9.1	9.1.3.2	2300051690	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
8752	09/01/2021	9	9.1	9.1.3.2	NA	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
8753	09/01/2021	9	9.1	9.1.3.3	2300044029	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
8754	09/01/2021	9	9.1	9.1.3.3	2300042405	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
8755	09/01/2021	9	9.1	9.1.3.3	2300042025	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
8756	09/01/2021	9	9.1	9.1.3.3	2300042293	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
8757	09/01/2021	9	9.1	9.1.3.3	2300042274	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
8758	09/01/2021	9	9.1	9.1.3.3	2300042247	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
8759	09/01/2021	9	9.1	9.1.3.4	NA	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
8760	09/01/2021	9	9.1	9.1.3.4	NA	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
8761	09/01/2021	9	9.1	9.1.3.4	2300047896	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
8762	09/01/2021	9	9.1	9.1.4.1	2300053669	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
8763	09/01/2021	9	9.1	9.1.4.1	NA	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
8764	09/01/2021	9	9.1	9.1.4.1	2300051437	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
8765	09/01/2021	9	9.1	9.1.4.1	2300051436	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
8766	09/01/2021	9	9.1	9.1.4.1	2300051429	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
8767	09/01/2021	9	9.1	9.1.4.1	2300036721	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
8768	09/01/2021	9	9.1	9.1.4.1	NA	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
8769	09/01/2021	9	9.1	9.1.4.1	2300051435	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
8770	09/01/2021	9	9.1	9.1.4.2	NA	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
8771	09/01/2021	9	9.1	9.1.4.2	2300036558	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
8772	09/01/2021	9	9.1	9.1.4.2	2300036465	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
8773	09/01/2021	9	9.1	9.1.4.2	2300029493	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
8774	09/01/2021	9	9.1	9.1.4.3	NA	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
8775	09/01/2021	9	9.1	9.1.4.3	NA	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8776	09/01/2021	9	9.1	9.1.4.3	NA	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
8777	09/01/2021	9	9.1	9.1.4.3	2300051682	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
8778	09/01/2021	9	9.1	9.1.4.3	2300041998	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
8779	09/01/2021	9	9.1	9.1.4.3	NA	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
8780	09/01/2021	9	9.1	9.1.4.3	NA	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
8781	09/01/2021	9	9.1	9.1.4.4	2300051606	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
8782	09/01/2021	9	9.1	9.1.4.4	2300042649	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
8783	09/01/2021	9	9.1	9.1.4.4	NA	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
8784	09/01/2021	9	9.1	9.1.4.4	2300051438	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
8785	09/01/2021	9	9.1	9.1.4.4	2300051430	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
8786	09/01/2021	9	9.1	9.1.4.4	2300036810	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
8787	09/01/2021	9	9.1	9.1.4.4	2300047905	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
8788	09/01/2021	9	9.1	9.1.4.4	2300051687	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
8789	09/01/2021	9	9.1	9.1.4.4	2300047890	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
8790	09/01/2021	9	9.1	9.1.5.3	2300055100	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
8791	09/01/2021	9	9.1	9.1.5.3	2300055044	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
8792	09/01/2021	9	9.1	9.1.5.3	NA	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
8793	09/01/2021	9	9.1	9.1.5.3	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
8794	09/01/2021	9	9.1	9.1.5.4	NA	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
8795	09/01/2021	9	9.1	9.1.5.4	2300054901	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
8796	09/01/2021	9	9.1	9.1.6.3	NA	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
8797	09/01/2021	9	9.1	9.1.6.3	2300054046	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
8798	09/01/2021	9	9.1	9.1.6.3	NA	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
8799	09/01/2021	9	9.2	9.2.1.1	2300037489	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
8800	09/01/2021	9	9.2	9.2.1.1	2300039915	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
8801	09/01/2021	9	9.2	9.2.1.1	2300036488	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
8802	09/01/2021	9	9.2	9.2.1.1	2300029474	848	158	65.4	30	6.5	23.4	6.8	195	159.1	81.60	74.81	1	0	0	0	0	-6.79	-9.071661151
8803	09/01/2021	9	9.2	9.2.1.2	2300029453	801	159	64.9	30	6.8	22.3	7.1	204	158.3	77.61	74.51	0	0	0	0	0	-3.10	-4.160844501
8804	09/01/2021	9	9.2	9.2.1.2	2300036468	758	94	34.8	30	4	19.9	4.7	120	93.5	77.94	74.24	0	0	0	0	0	-3.70	-4.990040932
8805	09/01/2021	9	9.2	9.2.1.3	2300051431	692	32	24.6	30	4.9	15.6	2.0	147	31.2	21.22	73.81	1	1	1	1	1	52.59	71.24629506

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8806	09/01/2021	9	9.2	9.2.1.3	2300041992	713	41	33.7	32	4.7	15.9	2.6	150	41.3	27.49	73.95	1	1	1	1	1	46.46	62.83029143
8807	09/01/2021	9	9.2	9.2.1.4	NA	726	23	26.9	31	3.9	16.8	1.4	121	23.5	19.45	74.03	1	1	1	1	1	54.58	73.72218881
8808	09/01/2021	9	9.2	9.2.1.4	2300029472	892	27	28.4	30	4.5	17.3	1.6	135	27.7	20.50	75.09	1	1	1	1	1	54.59	72.69624035
8809	09/01/2021	9	9.2	9.2.2.1	2300041113	719	67	44	30	3.9	24.2	2.8	117	67.8	57.91	73.99	1	1	1	1	0	16.07	21.72400522
8810	09/01/2021	9	9.2	9.2.2.1	2300042721	758	32	31	31	2.2	22.7	1.4	68	31.8	46.60	74.24	1	1	1	1	1	27.64	37.23060613
8811	09/01/2021	9	9.2	9.2.2.1	NA	848	158	65.4	30	6.5	23.4	6.8	195	159.1	81.60	74.81	1	0	0	0	0	-6.79	-9.071661151
8812	09/01/2021	9	9.2	9.2.2.3	2300042553	801	159	64.9	30	6.8	22.3	7.1	204	158.3	77.61	74.51	0	0	0	0	0	-3.10	-4.160844501
8813	10/01/2021	9	9.2	9.2.2.3	2300042681	812	24	26.3	30	3.1	16.2	1.5	93	24.3	26.13	74.58	1	1	1	1	1	48.45	64.96641014
8814	10/01/2021	9	9.2	9.2.5.1	2300054523	758	94	34.8	30	4	19.9	4.7	120	93.5	77.94	74.24	0	0	0	0	0	-3.70	-4.990040932
8815	10/01/2021	9	9.2	9.2.5.1	2300046558	832	18	32.5	31	4.4	13.8	1.3	136	17.9	13.15	74.71	1	1	1	1	1	61.56	82.39546
8816	10/01/2021	2	2.1	2.1.3.2	vspl	702	73	0.341	35.0	5.98	12.4	5.90	209	73.2	34.95	73.88	1	1	1	1	1	38.92	52.68654796
8817	10/01/2021	2	2.1	2.1.3.2	vspl2201102018220	714	13	0.476	34.4	0.75	17.5	0.72	26	12.6	48.84	73.96	1	1	1	1	1	25.12	33.9641497
8818	10/01/2021	2	2.1	2.1.3.2	vspl	708	9	0.316	34.3	0.79	14.7	0.59	27	8.7	32.01	73.92	1	1	1	1	1	41.91	56.69853123
8819	10/01/2021	2	2.1	2.1.3.2	vspl220110572155	714	7	0.323	33.8	0.59	17.1	0.38	20	6.5	32.58	73.96	1	1	1	1	1	41.37	55.94046288
8820	10/01/2021	2	2.1	2.1.3.2	vspl	720	10	0.406	33.8	0.69	15.3	0.63	23	9.6	41.33	73.99	1	1	1	1	1	32.66	44.14401896
8821	10/01/2021	2	2.1	2.1.3.2	vspl220110572157	730	8	0.357	34.3	0.65	21.6	0.38	22	8.2	36.82	74.06	1	1	1	1	1	37.24	50.2883828
8822	10/01/2021	2	2.1	2.1.3.2	vspl	748	13	0.512	34.2	0.75	20.5	0.65	26	13.3	51.95	74.17	1	1	1	1	1	22.22	29.96214571
8823	10/01/2021	2	2.1	2.1.3.2	vspl2201110572143	746	15	0.465	34.2	0.95	24.2	0.64	32	15.5	47.67	74.16	1	1	1	1	1	26.49	35.72034088
8824	10/01/2021	2	2.1	2.1.3.2	vspl	748	13	0.474	32.7	0.80	21.1	0.60	26	12.7	48.39	74.17	1	1	1	1	1	25.78	34.7547424
8825	10/01/2021	2	2.1	2.1.3.2	vspl2201120182212	748	12	0.522	34.3	0.65	21.0	0.57	22	12.0	53.69	74.17	1	1	1	1	1	20.48	27.61648685
8826	10/01/2021	2	2.1	2.1.3.2	vspl	734	9	0.418	34.3	0.62	17.9	0.51	21	9.1	42.93	74.08	1	1	1	1	1	31.16	42.05508644
8827	10/01/2021	2	2.1	2.1.3.2	vspl220110572150	716	8	0.333	34.1	0.69	17.5	0.46	24	8.1	34.21	73.97	1	1	1	1	1	39.76	53.74633123
8828	10/01/2021	2	2.1	2.1.3.2	vspl	708	6	0.301	34.3	0.57	16.5	0.36	20	5.9	30.38	73.92	1	1	1	1	1	43.54	58.89714756
8829	10/01/2021	2	2.1	2.1.3.2	vspl	754	49	0.354	35.2	3.84	12.8	3.82	135	48.9	36.17	74.21	1	1	1	1	1	38.04	51.25527219
8830	10/01/2021	2	2.1	2.1.3.2	vspl	752	32	0.326	34.8	2.75	15.8	2.03	96	32.1	33.52	74.20	1	1	1	1	1	40.68	54.83060169
8831	10/01/2021	2	2.1	2.1.3.2	vspl2201101281614	764	66	0.387	34.5	4.83	16.0	4.12	167	65.9	39.56	74.28	1	1	1	1	1	34.72	46.73955336

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8832	10/01/2021	2	2.1	2.1.3.2	vspl	755	76	0.363	34.6	5.88	15.2	4.96	203	75.4	37.06	74.22	1	1	1	1	1	37.16	50.06988198
8833	10/01/2021	2	2.1	2.1.3.2	vspl22011020182204	766	59	0.360	34.0	4.71	12.5	4.72	160	59.0	36.84	74.29	1	1	1	1	1	37.45	50.40576647
8834	10/01/2021	2	2.1	2.1.3.2	vspl	767	32	0.341	34.7	2.61	16.2	1.95	91	31.6	34.88	74.29	1	1	1	1	1	39.41	53.05155354
8835	10/01/2021	2	2.1	2.1.3.2	vspl	759	51	0.366	34.8	3.87	16.8	3.00	135	50.4	37.42	74.24	1	1	1	1	1	36.82	49.59410792
8836	10/01/2021	2	2.1	2.1.3.2	vspl	737	55	0.371	34.2	4.25	14.9	3.70	145	55.1	37.93	74.10	1	1	1	1	1	36.17	48.81551498
8837	10/01/2021	2	2.1	2.1.3.2	vspl	739	29	0.359	34.4	2.29	17.1	1.70	79	29.1	36.90	74.12	1	1	1	1	1	37.21	50.21007431
8838	10/01/2021	2	2.1	2.1.3.2	vspl	734	28	0.338	34.3	2.32	16.0	1.73	80	27.7	34.78	74.08	1	1	1	1	1	39.30	53.04715606
8839	10/01/2021	2	2.1	2.1.3.2	vspl2201102082320	738	36	0.346	34.4	2.94	21.9	1.64	101	35.9	35.51	74.11	1	1	1	1	1	38.60	52.08074419
8840	10/01/2021	2	2.1	2.1.3.1	vspl	732	33	0.334	34.4	2.80	15.9	2.08	96	33.1	34.34	74.07	1	1	1	1	1	39.74	53.64496107
8841	10/01/2021	2	2.1	2.1.3.1	vspl22010122167296	723	28	0.343	34.2	2.32	13.9	1.99	79	27.7	34.86	74.01	1	1	1	1	1	39.15	52.89742995
8842	10/01/2021	2	2.1	2.1.3.1	vspl	735	19	0.349	34.5	1.51	17.5	1.07	52	18.7	35.94	74.09	1	1	1	1	1	38.15	51.48609994
8843	10/01/2021	2	2.1	2.1.3.1	vspl2201012167300	751	34	0.337	34.5	2.89	16.0	2.15	100	34.4	34.50	74.19	1	1	1	1	1	39.69	53.49688074
8844	10/01/2021	2	2.1	2.1.3.1	vspl	761	44	0.316	34.9	3.86	14.4	3.03	135	43.6	32.39	74.26	1	1	1	1	1	41.87	56.38272811
8845	10/01/2021	2	2.1	2.1.3.1	vspl220112167516	774	93	0.405	34.6	6.46	17.9	5.19	224	92.9	41.56	74.34	1	1	1	1	1	32.78	44.08973482
8846	10/01/2021	2	2.1	2.1.3.1	vspl	753	38	0.330	34.9	3.19	13.6	2.76	111	37.5	33.72	74.21	1	1	1	1	1	40.49	54.56426682
8847	10/01/2021	2	2.1	2.1.3.1	vspl220101226323	724	94	0.376	34.5	7.03	14.3	6.55	243	93.7	38.62	74.02	1	1	1	1	1	35.40	47.82575376
8848	10/01/2021	2	2.1	2.1.3.1	vspl	760	30	0.348	34.2	2.43	14.2	2.10	83	29.8	35.88	74.25	1	1	1	1	1	38.37	51.6742279
8849	10/01/2021	2	2.1	2.1.3.1	vspl220123167058	777	25	0.425	34.0	1.71	29.9	0.85	58	25.4	43.71	74.36	1	1	1	1	1	30.65	41.21280831
8850	10/01/2021	2	2.1	2.1.3.1	vspl	776	19	0.352	34.2	1.51	17.4	1.07	52	18.6	36.05	74.35	1	1	1	1	1	38.30	51.51192072
8851	10/01/2021	2	2.1	2.1.3.1	vspl	764	22	0.390	34.1	1.60	17.7	1.24	55	21.9	40.23	74.28	1	1	1	1	1	34.05	45.84052808
8852	10/01/2021	2	2.1	2.1.3.1	vspl	775	13	0.301	34.0	1.28	16.5	0.81	44	13.4	30.71	74.35	1	1	1	1	1	43.64	58.69311277
8853	10/01/2021	2	2.1	2.1.3.1	vspl220101267770	796	14	0.355	34.4	1.15	15.2	0.95	40	14.4	36.50	74.48	1	1	1	1	1	37.98	50.99178216
8854	10/01/2021	2	2.1	2.1.3.1	vspl	799	21	0.415	34.3	1.42	19.0	1.09	49	20.7	42.52	74.50	1	1	1	1	1	31.98	42.92529263
8855	10/01/2021	2	2.1	2.1.3.1	vspl220102216773	798	23	0.402	34.1	1.63	15.4	1.50	56	23.1	41.56	74.49	1	1	1	1	1	32.93	44.21038481
8856	10/01/2021	2	2.1	2.1.3.1	vspl	800	22	0.426	34.4	1.44	15.5	1.40	50	21.7	43.81	74.51	1	1	1	1	1	30.70	41.20403115
8857	10/01/2021	2	2.1	2.1.3.1	vspl	802	21	0.403	34.2	1.49	18.9	1.11	51	21.0	41.17	74.52	1	1	1	1	1	33.35	44.75327278

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8858	10/01/2021	2	2.1	2.1.3.1	vspl	799	29	0.419	34.4	1.93	25.5	1.12	66	28.6	43.02	74.50	1	1	1	1	1	31.48	42.25844032
8859	10/01/2021	2	2.1	2.1.3.1	vspl22010167779	799	20	0.344	34.7	1.65	15.2	1.33	57	20.2	35.31	74.50	1	1	1	1	1	39.19	52.6055084
8860	10/01/2021	2	2.1	2.1.3.1	vspl	789	19	0.396	34.0	1.39	16.1	1.20	47	19.3	40.88	74.44	1	1	1	1	1	33.56	45.07972397
8861	10/01/2021	2	2.1	2.1.3.1	vspl	781	12	0.338	34.5	1.01	17.2	0.70	35	12.0	34.55	74.38	1	1	1	1	1	39.83	53.54802819
8862	10/01/2021	2	2.1	2.1.3.1	vspl	712	18	0.373	34.4	1.35	18.1	0.98	46	17.7	38.20	73.94	1	1	1	1	1	35.75	48.34450264
8863	10/01/2021	2	2.1	2.1.3.1	vspl2201012981457	772	24	0.395	34.5	1.70	16.9	1.40	59	23.7	40.34	74.33	1	1	1	1	1	33.99	45.72481801
8864	10/01/2021	2	2.2	2.1.3.3	22011022167276	774	65	0.568	34.3	3.26	29.1	2.24	112	65.2	58.29	74.34	1	1	1	1	0	16.04	21.58320877
8865	10/01/2021	2	2.2	2.1.3.3	22010122675077	771	23	0.388	34.5	1.69	28.2	0.82	58	23.1	39.66	74.32	1	1	1	1	1	34.66	46.6359082
8866	10/01/2021	2	2.2	2.1.3.3	-	752	31	0.316	34.3	2.80	11.5	2.69	96	30.9	32.21	74.20	1	1	1	1	1	41.99	56.58887034
8867	10/01/2021	2	2.2	2.1.3.3	-	752	94	0.392	34.6	6.72	14.3	6.57	233	94.0	40.41	74.20	1	1	1	1	1	33.79	45.54231775
8868	10/01/2021	2	2.2	2.1.3.3	22010122617581	792	37	0.361	34.2	2.90	15.6	2.34	99	36.5	36.81	74.45	1	1	1	1	1	37.65	50.56623935
8869	10/01/2021	2	2.2	2.1.3.3	-	796	41	0.330	34.4	3.55	11.0	3.76	122	41.4	33.87	74.48	1	1	1	1	1	40.61	54.5271961
8870	10/01/2021	2	2.2	2.1.3.3	-	807	69	0.387	34.4	5.06	15.6	4.45	174	69.4	39.88	74.55	1	1	1	1	1	34.67	46.50374976
8871	10/01/2021	2	2.2	2.1.3.3	-	801	25	0.359	34.4	1.96	19.1	1.30	67	24.8	36.83	74.51	1	1	1	1	1	37.69	50.57648222
8872	10/01/2021	2	2.2	2.1.3.3	-	788	101	0.418	34.7	6.76	18.2	5.54	235	100.8	42.98	74.43	1	1	1	1	1	31.45	42.24871779
8873	10/01/2021	2	2.2	2.1.3.3	2201012217657	784	43	0.415	34.6	2.89	20.2	2.11	100	42.6	42.62	74.40	1	1	1	1	1	31.78	42.71170014
8874	10/01/2021	2	2.2	2.1.3.3	-	786	117	0.610	34.4	5.43	20.5	5.70	187	116.9	62.56	74.42	1	1	1	0	0	11.86	15.93759943
8875	10/01/2021	2	2.2	2.1.3.3	22010122167766	791	48	0.351	34.4	3.87	14.5	3.30	133	47.9	35.94	74.45	1	1	1	1	1	38.51	51.72112229
8876	10/01/2021	2	2.2	2.1.3.3	-	811	12	0.330	34.2	1.03	17.1	0.70	35	12.0	33.98	74.58	1	1	1	1	1	40.60	54.43520668
8877	10/01/2021	2	2.2	2.1.3.3	-	810	37	0.366	34.5	2.88	14.7	2.53	99	37.2	37.43	74.57	1	1	1	1	1	37.14	49.80480682
8878	10/01/2021	2	2.2	2.1.3.3	-	812	23	0.350	33.6	1.91	14.3	1.61	64	23.0	35.87	74.58	1	1	1	1	1	38.71	51.89938987
8879	10/01/2021	2	2.2	2.1.3.3	22010122167757	816	28	0.361	34.4	2.21	17.3	1.63	76	28.2	37.09	74.61	1	1	1	1	1	37.52	50.2841047
8880	10/01/2021	2	2.2	2.1.3.3	-	815	28	0.359	34.6	2.23	16.2	1.75	77	28.4	36.74	74.60	1	1	1	1	1	37.86	50.74825403
8881	10/01/2021	2	2.2	2.1.3.3	-	811	28	0.437	34.6	1.81	17.1	1.64	63	28.0	44.78	74.58	1	1	1	1	1	29.80	39.95402933
8882	10/01/2021	2	2.2	2.1.3.3	-	807	19	0.352	34.5	1.54	16.9	1.13	53	19.1	35.94	74.55	1	1	1	1	1	38.61	51.78601549
8883	10/01/2021	2	2.2	2.1.3.3	22011020282610	802	33	0.365	34.5	2.52	24.6	1.32	87	32.5	37.35	74.52	1	1	1	1	1	37.17	49.87855886
8884	10/01/2021	2	2.2	2.1.3.3	-	786	75	0.387	34.5	5.48	17.1	4.39	189	75.1	39.71	74.42	1	1	1	1	1	34.71	46.64288732
8885	10/01/2021	2	2.2	2.1.3.3	22011010572141	780	93	0.429	34.6	6.06	15.2	6.08	210	92.4	44.08	74.38	1	1	1	1	1	30.30	40.74105053
8886	10/01/2021	2	2.2	2.1.3.3	-	800	27	0.341	34.3	2.29	15.1	1.82	79	27.5	34.99	74.51	1	1	1	1	1	39.52	53.04006525

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8887	10/01/2021	2	2.2	2.1.3.3	-	883	122	0.455	33.9	7.67	27.7	4.40	260	121.9	46.87	75.04	1	1	1	1	1	28.16	37.53154522
8888	10/01/2021	2	2.1	2.1.3.4	22011012981456	771	126	0.623	32.9	5.99	22.7	5.56	197	126.2	64.04	74.32	1	1	0	0	0	10.28	13.82726243
8889	10/01/2021	2	2.1	2.1.3.4	22011010572141	699	133	0.424	34.8	8.84	16.3	8.19	308	133.5	43.40	73.86	1	1	1	1	1	30.46	41.24659431
8890	10/01/2021	2	2.1	2.1.3.4	-	916	123	0.502	33.8	6.99	20.0	6.12	236	122.4	51.81	75.25	1	1	1	1	1	23.44	31.15216756
8891	10/01/2021	2	2.1	2.1.3.4	22011020182195	891	94	0.403	33.6	6.75	15.0	6.27	227	94.1	41.47	75.09	1	1	1	1	1	33.62	44.77408765
8892	10/01/2021	2	2.1	2.1.3.4	-	946	23	0.866	12.2	2.13	10.8	2.14	26	23.1	88.94	75.44	1	1	1	0	0	-13.50	-17.89465402
8893	10/01/2021	2	2.1	2.1.3.4	22011010572149	887	108	0.429	34.0	7.22	16.1	6.72	245	108.2	44.07	75.06	1	1	1	1	1	30.99	41.28429579
8894	10/01/2021	2	2.1	2.1.3.4	-	762	26	0.785	12.6	2.61	10.0	2.62	33	26.2	79.67	74.26	1	0	0	0	0	-5.41	-7.280038093
8895	10/01/2021	2	2.1	2.1.3.4	-	699	108	0.445	34.4	6.91	16.9	6.39	238	108.0	45.43	73.86	1	1	1	1	1	28.43	38.49022739
8896	10/01/2021	2	2.1	2.1.3.4	-	812	126	0.689	33.7	5.31	25.7	4.91	179	126.2	70.52	74.58	1	0	0	0	0	4.07	5.452182156
8897	10/01/2021	2	2.1	2.1.3.4	22011020182199	717	105	0.619	22.7	7.26	15.9	6.62	165	105.3	63.87	73.97	1	1	0	0	0	10.11	13.66063779
8898	10/01/2021	2	2.1	2.1.3.4	-	751	119	0.640	24.3	7.43	16.8	7.08	181	118.9	65.88	74.19	1	1	0	0	0	8.31	11.20509804
8899	10/01/2021	2	2.1	2.1.3.4	-	753	116	0.637	23.0	7.72	16.3	7.14	178	116.4	65.55	74.21	1	1	0	0	0	8.66	11.67038451
8900	10/01/2021	2	2.1	2.1.3.4	22011010572151	845	18	0.867	11.3	1.75	10.0	1.76	20	17.6	89.00	74.79	1	1	1	0	0	-14.21	-18.99519243
8901	10/01/2021	2	2.1	2.1.3.4	-	769	90	0.388	33.7	6.66	13.6	6.60	224	89.8	39.99	74.31	1	1	1	1	1	34.32	46.17977869
8902	10/01/2021	2	2.1	2.1.3.4	-	862	99	0.426	34.1	6.63	16.9	5.87	226	99.2	43.88	74.90	1	1	1	1	1	31.02	41.41872149
8903	10/01/2021	2	2.1	2.1.3.4	2201120182191	878	101	0.435	34.1	6.55	15.7	6.42	223	100.8	45.13	75.01	1	1	1	1	1	29.88	39.83448645
8904	10/01/2021	2	2.1	2.1.3.4	-	870	104	0.439	34.0	6.72	17.5	5.94	228	104.0	45.50	74.95	1	1	1	1	1	29.46	39.30100658
8905	10/01/2021	2	2.1	2.1.3.4	-	905	37	0.379	34.4	2.77	18.1	2.06	95	37.3	39.13	75.18	1	1	1	1	1	36.05	47.95046957
8906	10/01/2021	2	2.1	2.1.3.4	22011020282461	867	92	0.618	23.7	6.06	16.5	5.57	144	91.9	63.99	74.93	1	1	0	0	0	10.94	14.60457256
8907	10/01/2021	2	2.1	2.1.3.4	-	918	26	0.377	34.3	1.97	17.8	1.48	68	26.3	38.99	75.26	1	1	1	1	1	36.27	48.19755803
8908	10/01/2021	2	2.1	2.1.3.4	-	859	129	0.522	34.3	6.98	23.1	5.60	239	129.4	54.03	74.88	1	1	1	1	1	20.85	27.84544552
8909	10/01/2021	2	2.1	2.1.3.4	-	873	31	0.464	22.6	2.84	10.8	2.86	64	30.9	48.12	74.97	1	1	1	1	1	26.85	35.81153921
8910	10/01/2021	2	2.1	2.1.3.4	-	871	126	0.479	34.2	7.44	17.9	7.06	254	126.4	49.67	74.96	1	1	1	1	1	25.29	33.74375866
8911	10/01/2021	2	2.1	2.1.3.4	22011020782504	873	19	0.498	34.8	1.07	20.5	0.92	37	18.9	50.65	74.97	1	1	1	1	1	24.32	32.44264792
8912	10/01/2021	2	2.1	2.1.1.3	22010120865069	840	8	0.366	34.6	0.60	16.4	0.47	21	7.7	37.13	74.76	1	1	1	1	1	37.63	50.33694335
8913	10/01/2021	2	2.1	2.1.1.3	-	711	18	0.415	33.9	1.27	14.3	1.28	43	18.3	42.52	73.94	1	1	1	1	1	31.42	42.49782299
8914	10/01/2021	2	2.1	2.1.1.3	-	759	12	0.381	33.8	0.93	15.7	0.78	31	12.2	38.96	74.24	1	1	1	1	1	35.29	47.52703751
8915	10/01/2021	2	2.1	2.1.1.3	22010120865067	889	9	0.417	34.0	0.62	15.5	0.58	21	9.0	42.65	75.08	1	1	1	1	1	32.43	43.19451483
8916	10/01/2021	2	2.1	2.1.1.3	-	897	12	0.502	34.1	0.69	20.1	0.60	24	12.1	51.26	75.13	1	1	1	1	1	23.87	31.7741512

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8917	10/01/2021	2	2.1	2.1.1.3	-	880	17	0.499	33.9	0.98	26.0	0.65	33	16.9	50.87	75.02	1	1	1	1	1	24.15	32.18973382
8918	10/01/2021	2	2.1	2.1.1.3	-	841	12	0.560	33.7	0.62	23.7	0.50	21	11.9	56.71	74.77	1	1	1	1	0	18.05	24.14596759
8919	10/01/2021	2	2.1	2.1.1.3	22010122167389	876	9	0.383	33.8	0.64	16.3	0.52	22	8.5	39.18	74.99	1	1	1	1	1	35.81	47.7511157
8920	10/01/2021	2	2.1	2.1.1.3	-	892	11	0.501	34.1	0.63	18.6	0.59	21	11.0	51.08	75.09	1	1	1	1	1	24.01	31.97631383
8921	10/01/2021	2	2.1	2.1.1.3	22010122067147	904	15	0.431	33.9	1.02	21.3	0.72	35	15.3	44.35	75.17	1	1	1	1	1	30.82	40.99912726
8922	10/01/2021	2	2.1	2.1.1.3	-	904	17	0.590	33.9	0.83	19.4	0.87	28	16.9	59.99	75.17	1	1	1	1	0	15.19	20.20247935
8923	10/01/2021	2	2.1	2.1.1.3	22010122167351	895	12	0.408	34.0	0.87	18.3	0.68	30	12.4	42.07	75.11	1	1	1	1	1	33.05	43.99317635
8924	10/01/2021	2	2.1	2.1.1.3	-	902	13	0.523	33.8	0.70	16.1	0.80	24	12.9	54.44	75.16	1	1	1	1	1	20.72	27.56953301
8925	10/01/2021	2	2.1	2.1.1.3	-	899	12	0.528	33.8	0.64	17.7	0.66	22	11.7	54.00	75.14	1	1	1	1	1	21.14	28.12933739
8926	10/01/2021	2	2.1	2.1.1.3	-	893	19	0.490	34.1	1.09	18.4	1.02	37	18.8	50.49	75.10	1	1	1	1	1	24.61	32.76580004
8927	10/01/2021	2	2.1	2.1.1.3	22010122167244	864	20	0.461	34.0	1.22	16.7	1.18	41	19.7	47.51	74.92	1	1	1	1	1	27.41	36.5856612
8928	10/01/2021	2	2.1	2.1.1.3	-	883	16	0.498	34.0	0.95	20.0	0.83	32	16.6	51.39	75.04	1	1	1	1	1	23.64	31.50971937
8929	10/01/2021	2	2.1	2.1.1.3	-	895	13	0.407	34.0	0.88	24.3	0.52	30	12.6	42.23	75.11	1	1	1	1	1	32.88	43.77530111
8930	10/01/2021	2	2.1	2.1.1.3	-	883	15	0.481	34.2	0.88	18.3	0.81	30	14.8	49.25	75.04	1	1	1	1	1	25.78	34.36269964
8931	10/01/2021	2	2.1	2.1.1.3	22010122067149	880	14	0.640	33.9	0.63	19.0	0.74	21	14.1	65.83	75.02	1	1	0	0	0	9.18	12.24343987
8932	10/01/2021	2	2.1	2.1.1.3	-	742	13	0.360	34.1	1.03	21.6	0.60	35	13.0	36.90	74.13	1	1	1	1	1	37.24	50.22729115
8933	10/01/2021	2	2.1	2.1.1.3	22010120855705	817	20	0.482	34.4	1.18	18.2	1.11	41	20.2	49.77	74.61	1	1	1	1	1	24.85	33.29952332
8934	10/01/2021	2	2.1	2.1.1.3	-	877	16	0.353	34.8	1.25	13.1	1.20	44	15.7	36.14	75.00	1	1	1	1	1	38.86	51.815321
8935	10/01/2021	2	2.1	2.1.1.3	22010120865191	909	15	0.524	33.6	0.82	21.8	0.68	28	14.8	53.80	75.20	1	1	1	1	1	21.40	28.45592949
8936	10/01/2021	1	1.4	1.4.6.1	vspl	906	21	0.825	33.8	0.72	22.1	0.93	24	20.6	84.46	75.18	1	1	0	0	0	-9.27	-12.33065397
8937	10/01/2021	1	1.4	1.4.6.1	vspl	926	18	0.529	33.8	0.96	23.9	0.74	32	17.7	54.51	75.31	1	1	1	1	1	20.81	27.62722923
8938	10/01/2021	1	1.4	1.4.6.1	vspl	949	20	0.570	33.6	0.99	27.1	0.72	33	19.5	58.66	75.46	1	1	1	1	0	16.80	22.26567772
8939	10/01/2021	1	1.4	1.4.6.1	22011011977470	938	12	0.457	33.6	0.75	15.3	0.77	25	11.8	46.75	75.39	1	1	1	1	1	28.64	37.98846519
8940	10/01/2021	1	1.4	1.4.6.1	22011012580235	945	11	0.417	33.8	0.73	19.2	0.55	25	10.6	42.80	75.43	1	1	1	1	1	32.64	43.26419512
8941	10/01/2021	1	1.4	1.4.6.1	2201101275399	832	20	0.805	33.5	0.73	20.6	0.99	24	20.4	83.39	74.71	1	1	0	0	0	-8.68	-11.62240126
8942	10/01/2021	1	1.4	1.4.6.1	22011212580442	767	12	0.525	32.6	0.70	18.1	0.69	23	12.5	54.73	74.29	1	1	1	1	1	19.57	26.33628666
8943	10/01/2021	1	1.4	1.4.6.1	22011250277	743	15	0.363	33.6	1.18	14.7	1.00	40	14.7	37.08	74.14	1	1	1	1	1	37.06	49.99235083
8944	10/01/2021	1	1.4	1.4.6.1	vspl	709	17	0.556	33.7	0.90	19.3	0.90	30	17.4	57.27	73.92	1	1	1	1	0	16.65	22.52808349
8945	10/01/2021	1	1.4	1.4.6.1	22011012580270	886	10	0.378	34.5	0.76	15.4	0.66	26	10.2	38.76	75.06	1	1	1	1	1	36.29	48.35310239
8946	10/01/2021	1	1.4	1.4.6.1	vspl	873	12	0.491	35.3	0.68	20.6	0.59	24	12.2	50.63	74.97	1	1	1	1	1	24.34	32.46489706

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8947	10/01/2021	1	1.4	1.4.6.1	22011012580225	718	17	0.524	33.4	0.96	19.9	0.87	32	17.3	54.00	73.98	1	1	1	1	1	19.99	27.0150596
8948	10/01/2021	1	1.4	1.4.6.1	vspl	693	11	0.351	33.6	0.87	17.8	0.60	29	10.7	36.54	73.82	1	1	1	1	1	37.29	50.50838543
8949	10/01/2021	1	1.4	1.4.6.1	220110120282635	783	13	0.459	33.5	0.81	21.1	0.61	27	12.9	47.43	74.40	1	1	1	1	1	26.96	36.24329363
8950	10/01/2021	1	1.4	1.4.6.1	vspl	748	7	0.326	32.9	0.60	16.7	0.40	20	6.7	33.84	74.17	1	1	1	1	1	40.33	54.3771619
8951	10/01/2021	1	1.4	1.4.6.1	220110120282560	944	18	0.489	33.8	1.04	16.8	1.05	35	17.6	50.18	75.43	1	1	1	1	1	25.25	33.4698884
8952	10/01/2021	1	1.4	1.4.6.1	vspl	945	19	0.507	33.9	1.08	17.8	1.07	37	19.0	52.02	75.43	1	1	1	1	1	23.41	31.03746953
8953	10/01/2021	1	1.4	1.4.6.1	220110102824967	935	11	0.486	33.8	0.65	15.6	0.71	22	11.1	50.41	75.37	1	1	1	1	1	24.96	33.11105057
8954	10/01/2021	1	1.4	1.4.6.1	vspl	950	17	0.549	33.8	0.87	21.8	0.76	29	16.6	56.34	75.47	1	1	1	1	1	19.12	25.34089116
8955	10/01/2021	1	1.4	1.4.6.1	22011010282469	915	12	0.445	33.8	0.76	22.4	0.53	26	11.9	46.22	75.24	1	1	1	1	1	29.03	38.57668317
8956	10/01/2021	1	1.4	1.4.6.1	vspl	911	11	0.515	33.9	0.61	18.7	0.59	21	11.0	53.35	75.22	1	1	1	1	1	21.86	29.06647514
8957	10/01/2021	1	1.4	1.4.6.1	22011010282524	903	18	0.558	34.7	0.93	22.1	0.84	32	18.6	57.53	75.17	1	1	1	1	0	17.64	23.46813107
8958	10/01/2021	1	1.4	1.4.6.1	vspl	692	15	0.792	34.1	0.54	22.7	0.66	18	15.0	81.36	73.81	1	1	0	0	0	-7.55	-10.22451753
8959	10/01/2021	1	1.4	1.4.6.1	2201101152168	924	7	0.496	34.0	0.38	17.8	0.37	13	6.6	50.98	75.30	1	1	1	1	1	24.32	32.30344889
8960	10/01/2021	1	1.4	1.4.6.3	-	868	12	0.387	33.9	0.92	23.9	0.52	31	12.4	39.85	74.94	1	1	1	1	1	35.09	46.82676586
8961	10/01/2021	1	1.4	1.4.6.3	vspl	749	11	0.755	33.7	0.43	22.2	0.51	14	11.3	78.13	74.18	1	0	0	0	0	-3.95	-5.327143691
8962	10/01/2021	1	1.4	1.4.6.3	22011012580249	954	9	0.694	35.5	0.37	21.6	0.43	13	9.3	70.71	75.49	1	0	0	0	0	4.78	6.331514236
8963	10/01/2021	1	1.4	1.4.6.3	22011012580274	921	6	0.480	35.1	0.37	26.6	0.24	13	6.4	49.16	75.28	1	1	1	1	1	26.12	34.70166317
8964	10/01/2021	1	1.4	1.4.6.3	22011012580276	924	9	0.756	35.0	0.34	22.1	0.42	12	9.3	78.00	75.30	0	0	0	0	0	-2.70	-3.586207629
8965	10/01/2021	1	1.4	1.4.6.3	22011012580237	930	12	0.674	34.5	0.50	22.2	0.54	17	12.0	69.50	75.34	1	0	0	0	0	5.84	7.754848584
8966	10/01/2021	1	1.4	1.4.6.3	2201101280265	931	9	0.397	34.5	0.66	18.1	0.52	23	9.4	41.34	75.34	1	1	1	1	1	34.01	45.13847077
8967	10/01/2021	1	1.4	1.4.6.3	220110125802771	929	14	0.860	34.4	0.46	22.3	0.62	16	13.8	87.37	75.33	1	1	1	0	0	-12.04	-15.98533644
8968	10/01/2021	1	1.4	1.4.6.3	220110125802662	930	6	0.511	34.5	0.35	22.0	0.29	12	6.4	52.84	75.34	1	1	1	1	1	22.50	29.86747866
8969	10/01/2021	1	1.4	1.4.6.3	22011012580269	932	15	0.479	34.4	0.87	20.0	0.74	30	14.8	49.45	75.35	1	1	1	1	1	25.90	34.37094473
8970	10/01/2021	1	1.4	1.4.6.3	220110102082433	935	10	0.473	34.8	0.58	18.4	0.54	20	9.9	49.23	75.37	1	1	1	1	1	26.14	34.68606795
8971	10/01/2021	1	1.4	1.4.6.3	2201120282428	927	9	0.737	35.0	0.33	22.8	0.38	12	8.7	75.01	75.32	0	0	0	0	0	0.31	0.406024773
8972	10/01/2021	1	1.4	1.4.6.3	22011020282613	915	8	0.576	34.3	0.38	21.0	0.37	13	7.8	59.61	75.24	1	1	1	1	0	15.63	20.77121952
8973	10/01/2021	1	1.4	1.4.6.3	220110202825555	956	19	0.352	35.5	1.50	22.8	0.85	53	19.4	36.39	75.50	1	1	1	1	1	39.11	51.79835056
8974	10/01/2021	1	1.4	1.4.6.3	2201100282463	769	15	0.443	35.8	0.91	22.2	0.68	33	15.1	46.34	74.31	1	1	1	1	1	27.97	37.64026893
8975	10/01/2021	1	1.4	1.4.6.3	220110028262468	933	12	0.809	33.9	0.42	26.5	0.45	14	11.9	83.75	75.36	1	1	0	0	0	-8.40	-11.14364763
8976	10/01/2021	1	1.4	1.4.6.3	2201102028470	936	14	0.901	33.9	0.43	26.1	0.52	15	13.6	93.11	75.38	1	1	1	1	0	-17.73	-23.52085968

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
8977	10/01/2021	1	1.4	1.4.6.3	22011020182151	942	20	0.534	34.4	1.05	21.6	0.92	36	19.9	55.02	75.41	1	1	1	1	1	20.40	27.04799151
8978	10/01/2021	1	1.4	1.4.6.3	22011020282295	915	15	0.801	34.3	0.51	22.0	0.66	17	14.5	83.00	75.24	1	1	0	0	0	-7.76	-10.31688475
8979	10/01/2021	1	1.4	1.4.6.3	22011020282299	831	21	0.507	34.2	1.19	20.3	1.05	41	21.3	52.37	74.70	1	1	1	1	1	22.33	29.8922406
8980	10/01/2021	1	1.4	1.4.6.3	22011020282294	926	18	0.480	34.2	1.08	23.6	0.77	37	18.2	49.20	75.31	1	1	1	1	1	26.11	34.673953
8981	10/01/2021	1	1.4	1.4.6.3	22011020282293	923	23	0.466	34.1	1.41	19.1	1.21	48	23.1	48.07	75.29	1	1	1	1	1	27.23	36.16049798
8982	10/01/2021	1	1.4	1.4.6.3	22011020282523	934	29	0.459	34.0	1.84	16.8	1.75	63	29.4	46.99	75.36	1	1	1	1	1	28.37	37.64246279
8983	10/01/2021	1	1.4	1.4.6.3	2201102028521	933	13	0.407	33.8	0.95	30.3	0.44	32	13.3	41.52	75.36	1	1	1	1	1	33.84	44.902709
8984	10/01/2021	1	1.4	1.4.5.1	-	929	21	0.408	33.7	1.45	21.6	0.95	49	20.5	41.99	75.33	1	1	1	1	1	33.34	44.25546955
8985	10/01/2021	1	1.4	1.4.5.1	vspl2201122167 730	924	20	0.412	33.8	1.40	20.6	0.98	47	20.2	42.66	75.30	1	1	1	1	1	32.64	43.34269785
8986	10/01/2021	1	1.4	1.4.5.1	-	931	21	0.410	33.8	1.49	16.0	1.33	50	21.3	42.25	75.34	1	1	1	1	1	33.09	43.91875115
8987	10/01/2021	1	1.4	1.4.5.1	vspl2201012216 777	935	21	0.489	33.7	1.22	18.9	1.10	41	20.8	50.57	75.37	1	1	1	1	1	24.80	32.90869453
8988	10/01/2021	1	1.4	1.4.5.1	-	920	19	0.443	33.7	1.24	13.2	1.44	42	19.0	45.49	75.27	1	1	1	1	1	29.79	39.57177431
8989	10/01/2021	1	1.4	1.4.5.1	vspl2201012167 6169	902	19	0.475	33.8	1.17	27.3	0.71	40	19.4	49.01	75.16	1	1	1	1	1	26.14	34.78633679
8990	10/01/2021	1	1.4	1.4.5.1	-	956	19	0.523	35.2	0.98	22.7	0.82	34	18.6	53.96	75.50	1	1	1	1	1	21.54	28.53412595
8991	10/01/2021	1	1.4	1.4.5.1	vspl2201012780 800	952	24	0.603	35.1	1.08	24.0	0.98	38	23.5	62.04	75.48	1	1	1	0	0	13.43	17.7981752
8992	10/01/2021	1	1.4	1.4.5.1	-	953	11	0.320	35.4	0.98	19.0	0.60	35	11.4	32.86	75.49	1	1	1	1	1	42.62	56.46749049
8993	10/01/2021	1	1.4	1.4.5.1	vspl2201012676 98	928	10	0.333	33.7	0.82	17.1	0.56	28	9.6	34.65	75.33	1	1	1	1	1	40.67	53.99552376
8994	10/01/2021	1	1.4	1.4.5.1	-	931	30	0.452	33.9	1.93	26.2	1.16	65	30.4	46.45	75.34	1	1	1	1	1	28.89	38.34741444
8995	10/01/2021	1	1.4	1.4.5.1	-	933	17	0.391	33.7	1.28	17.8	0.98	43	17.4	40.44	75.36	1	1	1	1	1	34.92	46.33619606
8996	10/01/2021	1	1.4	1.4.5.1	-	927	23	0.553	33.9	1.21	20.2	1.16	41	23.4	57.12	75.32	1	1	1	1	0	18.19	24.15605789
8997	10/01/2021	1	1.4	1.4.5.1	-	928	21	0.465	33.8	1.27	25.1	0.82	43	20.6	47.95	75.33	1	1	1	1	1	27.38	36.34583007
8998	10/01/2021	1	1.4	1.4.5.1	-	932	19	0.574	33.9	0.93	21.0	0.88	32	18.5	58.62	75.35	1	1	1	1	0	16.73	22.20862417
8999	10/01/2021	1	1.4	1.4.5.1	-	934	15	0.409	34.1	1.07	18.1	0.85	36	15.4	42.17	75.36	1	1	1	1	1	33.20	44.05030697
9000	10/01/2021	1	1.4	1.4.5.1	vspl2201011247 7465	924	22	0.384	34.1	1.62	17.5	1.25	55	21.9	39.60	75.30	1	1	1	1	1	35.70	47.41207935
9001	10/01/2021	1	1.4	1.4.5.1	-	926	22	0.461	34.0	1.35	16.8	1.29	46	21.7	47.22	75.31	1	1	1	1	1	28.10	37.30688934
9002	10/01/2021	1	1.4	1.4.5.1	vspl2201012178 775	782	110	0.601	22.9	7.75	15.3	7.17	177	109.7	61.81	74.39	1	1	1	0	0	12.58	16.90896427

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9003	10/01/2021	1	1.4	14.5.1	-	753	62	0.406	34.1	4.37	17.8	3.49	149	62.1	41.69	74.21	1	1	1	1	1	32.52	43.82083585
9004	10/01/2021	1	1.4	14.5.1	vspl22010112881041	743	59	0.400	34.6	4.15	18.1	3.26	144	59.0	41.09	74.14	1	1	1	1	1	33.05	44.57414918
9005	10/01/2021	1	1.4	14.5.3	vspl220122167733	857	20	0.344	34.6	1.66	17.5	1.15	57	20.1	35.04	74.87	1	1	1	1	1	39.83	53.20071386
9006	10/01/2021	1	1.4	14.5.3	vspl2201022116683	803	125	0.508	33.2	7.21	20.5	6.08	239	124.6	52.07	74.53	1	1	1	1	1	22.46	30.13157687
9007	10/01/2021	1	1.4	14.5.3	vspl2201022167736	797	19	0.342	34.3	1.59	17.8	1.08	55	19.2	35.25	74.49	1	1	1	1	1	39.24	52.6768989
9008	10/01/2021	1	1.4	14.5.3	-	708	109	0.410	33.9	7.62	15.3	7.12	258	108.9	42.17	73.92	1	1	1	1	1	31.75	42.94795087
9009	10/01/2021	1	1.4	14.5.3	vspl2201022167662	680	45	0.405	33.6	3.18	18.8	2.37	107	44.6	41.70	73.74	1	1	1	1	1	32.04	43.44793812
9010	10/01/2021	1	1.4	14.5.3	-	702	51	0.443	34.0	3.29	21.9	2.32	112	50.8	45.42	73.88	1	1	1	1	1	28.46	38.51949133
9011	10/01/2021	1	1.4	14.5.3	-	821	110	0.426	34.7	7.22	17.2	6.39	251	109.9	43.87	74.64	1	1	1	1	1	30.77	41.22553636
9012	10/01/2021	1	1.4	14.5.3	-	787	130	0.477	34.4	7.67	19.8	6.56	264	129.9	49.23	74.42	1	1	1	1	1	25.19	33.85314233
9013	10/01/2021	1	1.4	14.5.3	-	721	19	0.441	34.1	1.26	19.6	0.99	43	19.4	45.16	74.00	1	1	1	1	1	28.84	38.97155918
9014	10/01/2021	1	1.4	14.5.3	-	858	22	0.368	34.1	1.72	17.6	1.25	59	22.0	37.51	74.88	1	1	1	1	1	37.37	49.90547544
9015	10/01/2021	1	1.4	14.5.3	vspl2201022167709	766	44	0.388	33.8	3.29	17.6	2.51	111	44.2	39.73	74.29	1	1	1	1	1	34.56	46.52475459
9016	10/01/2021	1	1.4	14.5.3	-	815	31	0.373	33.9	2.41	17.5	1.78	82	31.2	38.13	74.60	1	1	1	1	1	36.47	48.89177011
9017	10/01/2021	1	1.4	14.5.3	vspl2201102881048	861	51	0.406	34.0	3.64	17.4	2.97	124	51.7	41.76	74.90	1	1	1	1	1	33.14	44.24748622
9018	10/01/2021	1	1.4	14.5.3	-	975	31	0.349	34.0	2.56	16.1	1.93	87	31.1	35.70	75.63	1	1	1	1	1	39.93	52.79443801
9019	10/01/2021	1	1.4	14.5.3	-	1006	25	0.359	33.8	1.99	16.6	1.49	67	24.7	36.77	75.82	1	1	1	1	1	39.05	51.50291925
9020	10/01/2021	1	1.4	14.5.3	-	982	19	0.373	33.7	1.51	17.2	1.13	51	19.4	38.19	75.67	1	1	1	1	1	37.48	49.52553588
9021	10/01/2021	1	1.4	14.5.3	-	793	16	0.365	33.7	1.29	17.5	0.93	43	16.3	37.44	74.46	1	1	1	1	1	37.02	49.72276853
9022	10/01/2021	1	1.4	14.5.3	-	948	22	0.369	34.1	1.73	17.4	1.28	59	22.3	37.75	75.45	1	1	1	1	1	37.70	49.9641741
9023	10/01/2021	1	1.4	14.5.3	vspl22011012479811	907	19	0.351	34.0	1.55	18.0	1.05	53	18.9	35.86	75.19	1	1	1	1	1	39.33	52.30350308
9024	10/01/2021	1	1.4	14.5.3	vspl22011012580142	868	33	0.375	34.1	2.51	16.5	2.00	86	33.0	38.56	74.94	1	1	1	1	1	36.39	48.55239095
9025	10/01/2021	1	1.4	14.5.4	vspl22011012580140	952	15	0.361	34.1	1.16	17.7	0.82	40	14.5	36.69	75.48	1	1	1	1	1	38.79	51.38729768
9026	10/01/2021	1	1.4	14.5.4	vspl22011012580141	667	28	0.363	33.2	2.27	16.6	1.68	75	27.9	37.00	73.65	1	1	1	1	1	36.65	49.75968262

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9027	10/01/2021	1	1.4	14.5.4	vspl22011012481504	997	18	0.371	33.4	1.43	17.1	1.06	48	18.1	37.95	75.77	1	1	1	1	1	37.82	49.91121166
9028	10/01/2021	1	1.4	14.5.4	vspl220110122780801	967	116	0.448	34.4	7.35	28.1	4.14	253	116.3	46.01	75.57	1	1	1	1	1	29.56	39.11870624
9029	10/01/2021	1	1.4	14.5.4	vspl220110112713441	904	107	0.438	34.0	6.95	26.9	3.96	236	106.5	45.08	75.17	1	1	1	1	1	30.09	40.03056597
9030	10/01/2021	1	1.4	14.5.4	vspl22011010773442	735	108	0.415	33.3	7.58	15.4	6.99	252	107.6	42.65	74.09	1	1	1	1	1	31.44	42.43945959
9031	10/01/2021	1	1.4	14.5.4	vspl	810	10	0.388	33.6	0.75	15.8	0.63	25	10.0	39.50	74.57	1	1	1	1	1	35.07	47.02963658
9032	10/01/2021	1	1.4	14.5.4	vspl22011012881014	778	7	0.377	33.1	0.52	18.0	0.37	17	6.7	38.69	74.37	1	1	1	1	1	35.67	47.96768587
9033	10/01/2021	1	1.4	14.5.4	vspl	763	15	0.320	34.0	1.37	10.7	1.43	47	15.3	32.85	74.27	1	1	1	1	1	41.42	55.7705453
9034	10/01/2021	1	1.4	14.5.4	vspl2201101280094	756	16	0.326	34.1	1.37	15.3	1.02	47	15.6	33.41	74.22	1	1	1	1	1	40.82	54.99404716
9035	10/01/2021	1	1.4	14.5.4	vspl	729	22	0.348	33.9	1.80	16.4	1.33	61	21.8	35.75	74.05	1	1	1	1	1	38.31	51.72871732
9036	10/01/2021	1	1.4	14.5.4	vspl22011012780752	738	11	0.383	33.9	0.80	19.4	0.55	27	10.7	39.34	74.11	1	1	1	1	1	34.77	46.91123664
9037	10/01/2021	1	1.4	14.5.4	vspl	734	31	0.342	34.2	2.56	12.3	2.49	88	30.6	34.98	74.08	1	1	1	1	1	39.10	52.7810518
9038	10/01/2021	1	1.4	14.5.4	vspl	726	17	0.334	34.2	1.44	16.9	1.00	49	16.9	34.32	74.03	1	1	1	1	1	39.72	53.64716751
9039	10/01/2021	1	1.4	14.5.4	vspl	761	18	0.353	34.2	1.43	17.1	1.03	49	17.6	36.01	74.26	1	1	1	1	1	38.24	51.50049556
9040	10/01/2021	1	1.4	14.5.4	vspl	723	42	0.466	34.1	2.55	15.1	2.76	87	41.7	47.93	74.01	1	1	1	1	1	26.08	35.24366094
9041	10/01/2021	1	1.4	14.5.4	vspl	759	12	0.349	32.8	1.05	16.8	0.73	34	12.3	35.61	74.24	1	1	1	1	1	38.63	52.03659831
9042	10/01/2021	1	1.4	14.5.4	vspl	817	14	0.326	34.3	1.21	15.8	0.88	42	13.9	33.50	74.61	1	1	1	1	1	41.11	55.10114256
9043	10/01/2021	1	1.4	14.5.4	vspl	780	113	0.416	33.7	7.84	15.5	7.30	264	113.2	42.83	74.38	1	1	1	1	1	31.55	42.42100258
9044	10/01/2021	1	1.4	14.5.4	vspl	844	125	0.638	24.8	7.59	17.2	7.23	188	124.4	66.07	74.79	1	1	0	0	0	8.72	11.66278749
9045	11/01/2021	1	1.4	14.5.4	vspl	869	118	0.453	34.9	7.17	19.5	6.05	250	118.0	47.15	74.95	1	1	1	1	1	27.80	37.09463696
9046	11/01/2021	1	1.4	14.5.4	vspl	854	116	0.624	23.3	7.66	16.6	6.96	178	115.5	64.73	74.85	1	1	0	0	0	10.12	13.5168402
9047	11/01/2021	1	1.4	14.5.4	vspl	846	38	0.641	19.0	3.06	14.2	2.71	58	38.5	66.19	74.80	1	1	0	0	0	8.61	11.5131597
9048	11/01/2021	1	1.4	14.5.2	-	741	89	0.627	22.4	6.15	16.1	5.53	138	89.0	64.63	74.13	1	1	0	0	0	9.50	12.81470389
9049	11/01/2021	1	1.4	14.5.2	vspl22011012580194	848	137	0.499	34.2	7.73	20.6	6.63	264	136.6	51.66	74.81	1	1	1	1	1	23.15	30.94471572
9050	11/01/2021	1	1.4	14.5.2	vspl	855	18	0.291	33.9	1.75	10.1	1.76	59	17.8	29.96	74.86	1	1	1	1	1	44.89	59.97253606
9051	11/01/2021	1	1.4	14.5.2	vspl22011012580511	883	137	0.507	34.1	7.60	20.7	6.59	259	136.4	52.64	75.04	1	1	1	1	1	22.40	29.85266621
9052	11/01/2021	1	1.4	14.5.2	vspl	704	113	0.629	23.9	7.33	15.4	7.35	175	113.2	64.61	73.89	1	1	0	0	0	9.28	12.55980575

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9053	11/01/2021	1	1.4	1.4.5.2	vspl22011012873684	688	109	0.615	23.9	7.23	16.4	6.63	173	108.7	62.92	73.79	1	1	0	0	0	10.86	14.72369459
9054	11/01/2021	1	1.4	1.4.5.2	vspl	702	117	0.436	33.1	7.89	16.1	7.25	261	116.7	44.69	73.88	1	1	1	1	1	29.18	39.50227367
9055	11/01/2021	1	1.4	1.4.5.2	vspl	711	98	0.635	20.7	7.27	13.8	7.11	150	98.1	65.20	73.94	1	1	0	0	0	8.74	11.81684557
9056	11/01/2021	1	1.4	1.4.5.2	vspl220110110773431	733	115	0.637	22.8	7.70	16.1	7.13	176	114.8	65.39	74.08	1	1	0	0	0	8.69	11.73159574
9057	11/01/2021	1	1.4	1.4.5.2	vspl	742	101	0.617	22.5	7.07	15.4	6.55	159	100.9	63.41	74.13	1	1	0	0	0	10.72	14.46616025
9058	11/01/2021	1	1.4	1.4.5.2	vspl	732	107	0.640	22.8	7.13	16.3	6.52	163	106.3	65.37	74.07	1	1	0	0	0	8.70	11.74002745
9059	11/01/2021	1	1.4	1.4.5.2	vspl	733	114	0.657	22.8	7.41	16.2	7.05	169	114.2	67.60	74.08	1	0	0	0	0	6.48	8.742930528
9060	11/01/2021	1	1.4	1.4.5.2	vspl	736	115	0.619	22.8	7.92	15.8	7.26	181	114.7	63.52	74.10	1	1	0	0	0	10.57	14.2692603
9061	11/01/2021	1	1.4	1.4.5.2	vspl22011012780753	800	25	0.359	33.9	2.00	18.1	1.37	68	24.8	36.57	74.51	1	1	1	1	1	37.93	50.91167649
9062	11/01/2021	1	1.4	1.4.5.2	vspl	883	20	0.342	34.9	1.65	15.0	1.35	58	20.3	35.17	75.04	1	1	1	1	1	39.87	53.13603432
9063	11/01/2021	1	1.4	1.4.5.2	vspl22011012780742	866	34	0.351	34.9	2.71	18.9	1.79	95	33.8	35.77	74.93	1	1	1	1	1	39.16	52.26096252
9064	11/01/2021	1	1.4	1.4.5.2	vspl	1,004	16	0.323	36.1	1.30	17.2	0.91	47	15.7	33.35	75.81	1	1	1	1	1	42.46	56.00699556
9065	11/01/2021	1	1.4	1.4.5.2	vspl22011012780750	981	30	0.393	35.4	2.11	21.1	1.42	75	30.0	40.11	75.66	1	1	1	1	1	35.55	46.98564404
9066	11/01/2021	1	1.4	1.4.5.2	vspl	997	15	0.343	35.1	1.26	16.9	0.91	44	15.4	34.77	75.77	1	1	1	1	1	40.99	54.10435369
9067	11/01/2021	1	1.4	1.4.5.2	vspl	886	13	0.342	34.5	1.06	17.4	0.73	37	12.7	34.73	75.06	1	1	1	1	1	40.32	53.72361581
9068	11/01/2021	2	2.1	2.1.2.3	vspl22011011074260	957	11	0.350	34.4	0.89	17.9	0.61	31	10.9	35.66	75.51	1	1	1	1	1	39.85	52.76919526
9069	11/01/2021	2	2.1	2.1.2.3	vspl22011011375720	837	17	0.321	35.7	1.45	16.6	1.03	52	17.1	33.03	74.74	1	1	1	1	1	41.71	55.80839947
9070	11/01/2021	2	2.1	2.1.2.3	-	699	14	0.322	34.9	1.20	17.3	0.80	42	13.8	33.05	73.86	1	1	1	1	1	40.81	55.25727139
9071	11/01/2021	2	2.1	2.1.2.3	-	893	37	0.457	34.7	2.28	19.0	1.95	79	37.1	46.83	75.10	1	1	1	1	1	28.27	37.64417721
9072	11/01/2021	2	2.1	2.1.2.3	22011011074269	760	41	0.356	34.6	3.22	16.3	2.50	111	40.8	36.58	74.25	1	1	1	1	1	37.67	50.73945815
9073	11/01/2021	2	2.1	2.1.2.3	-	795	7	0.300	33.9	0.72	17.1	0.44	24	7.5	30.83	74.47	1	1	1	1	1	43.65	58.60842884
9074	11/01/2021	2	2.1	2.1.2.3	-	899	24	0.369	34.2	1.88	17.7	1.37	64	24.2	37.71	75.14	1	1	1	1	1	37.42	49.80724901
9075	11/01/2021	2	2.1	2.1.2.3	-	907	113	0.441	34.4	7.23	16.9	6.65	249	112.4	45.19	75.19	1	1	1	1	1	30.00	39.90381482
9076	11/01/2021	2	2.1	2.1.2.3	22011011275372	887	111	0.608	23.0	7.70	15.4	7.21	177	111.0	62.70	75.06	1	1	1	0	0	12.37	16.47573475
9077	11/01/2021	2	2.1	2.1.2.3	-	881	13	0.406	34.1	0.94	19.8	0.67	32	13.3	41.39	75.02	1	1	1	1	1	33.64	44.83606609
9078	11/01/2021	2	2.1	2.1.2.3	-	884	12	0.294	33.7	1.13	12.2	0.95	38	11.6	30.44	75.04	1	1	1	1	1	44.61	59.44341006

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9079	11/01/2021	2	2.1	2.1.2.3	-	917	15	0.336	33.9	1.27	16.5	0.90	43	14.9	34.49	75.25	1	1	1	1	1	40.76	54.16588727
9080	11/01/2021	2	2.1	2.1.2.3	22011011275339	879	38	0.418	33.6	2.61	26.1	1.45	88	37.8	43.15	75.01	1	1	1	1	1	31.86	42.46921555
9081	11/01/2021	2	2.1	2.1.2.3	-	921	20	0.421	33.8	1.37	20.0	1.00	46	20.0	43.19	75.28	1	1	1	1	1	32.09	42.62657056
9082	11/01/2021	2	2.1	2.1.2.3	-	970	15	0.352	34.4	1.19	16.8	0.88	41	14.8	36.11	75.59	1	1	1	1	1	39.48	52.22516194
9083	11/01/2021	2	2.1	2.1.2.3	-	822	18	0.339	33.7	1.50	17.4	1.02	51	17.7	35.11	74.65	1	1	1	1	1	39.54	52.96544221
9084	11/01/2021	2	2.1	2.1.2.3	vspl22011	931	17	0.421	34.0	1.18	18.4	0.94	40	17.3	43.11	75.34	1	1	1	1	1	32.23	42.78185506
9085	11/01/2021	2	2.1	2.1.2.3	-	879	43	0.477	34.2	2.58	18.0	2.40	88	43.2	48.96	75.01	1	1	1	1	1	26.05	34.73061723
9086	11/01/2021	2	2.1	2.1.2.3	22011011074131	875	11	0.334	34.0	0.96	17.0	0.66	33	11.2	34.38	74.99	1	1	1	1	1	40.61	54.15810951
9087	11/01/2021	2	2.1	2.1.2.3	-	1,041	12	0.422	34.5	0.83	15.0	0.83	29	12.5	43.48	76.05	1	1	1	1	1	32.57	42.82817144
9088	11/01/2021	2	2.1	2.1.2.3	-	906	128	0.481	34.0	7.57	19.8	6.48	257	128.3	49.85	75.18	1	1	1	1	1	25.33	33.69631573
9089	11/01/2021	2	2.1	2.1.2.3	-	953	6	0.334	33.4	0.55	17.6	0.36	18	6.3	34.49	75.49	1	1	1	1	1	40.99	54.30757557
9090	11/01/2021	2	2.1	2.1.2.3	-	942	8	0.349	33.0	0.67	21.7	0.37	22	8.0	36.31	75.41	1	1	1	1	1	39.10	51.84780027
9091	11/01/2021	2	2.1	2.1.2.3	22011010672588	934	50	0.515	31.9	2.91	23.7	2.09	93	49.5	53.36	75.36	1	1	1	1	1	22.00	29.19738073
9092	11/01/2021	2	2.1	2.1.2.4	vspl	939	13	0.434	32.3	0.91	13.6	0.97	29	13.2	44.88	75.40	1	1	1	1	1	30.51	40.47207748
9093	11/01/2021	2	2.1	2.1.2.4	22011010873686	981	7	0.295	33.2	0.69	9.7	0.72	23	7.0	30.49	75.66	1	1	1	1	1	45.18	59.70738411
9094	11/01/2021	2	2.1	2.1.2.4	-	972	12	0.436	33.5	0.80	17.0	0.71	27	12.1	45.04	75.61	1	1	1	1	1	30.57	40.43219203
9095	11/01/2021	2	2.1	2.1.2.4	-	1,031	19	0.500	31.8	1.17	19.2	1.00	37	19.2	51.60	75.98	1	1	1	1	1	24.38	32.08529658
9096	11/01/2021	2	2.1	2.1.2.4	-	1,004	11	0.466	33.7	0.70	20.6	0.55	24	11.3	48.03	75.81	1	1	1	1	1	27.78	36.64712818
9097	11/01/2021	2	2.1	2.1.2.4	22010122167547	949	49	0.555	34.0	2.50	18.1	2.69	85	48.7	57.28	75.46	1	1	1	1	0	18.18	24.09027285
9098	11/01/2021	2	2.1	2.1.2.4	-	815	34	0.509	33.2	1.93	15.5	2.17	64	33.6	52.49	74.60	1	1	1	1	1	22.11	29.63680219
9099	11/01/2021	2	2.1	2.1.2.4	22010122167544	738	60	0.392	32.7	4.51	16.2	3.69	147	59.8	40.53	74.11	1	1	1	1	1	33.58	45.30533571
9100	11/01/2021	2	2.1	2.1.2.4	-	938	6	0.353	33.4	0.50	15.1	0.40	17	6.0	36.17	75.39	1	1	1	1	1	39.22	52.02540328
9101	11/01/2021	2	2.1	2.1.2.4	-	938	6	0.365	33.5	0.51	16.9	0.38	17	6.4	37.59	75.39	1	1	1	1	1	37.80	50.14069927
9102	11/01/2021	2	2.1	2.1.2.4	-	640	10	0.278	34.4	1.03	17.2	0.59	35	10.1	28.64	73.48	1	1	1	1	1	44.84	61.02341159
9103	11/01/2021	2	2.1	2.1.2.4	22010122167560	1,052	9	0.333	34.8	0.76	17.8	0.51	26	9.1	34.32	76.12	1	1	1	1	1	41.79	54.90738629
9104	11/01/2021	2	2.1	2.1.2.4	-	885	12	0.329	34.0	1.06	17.6	0.70	36	12.3	34.18	75.05	1	1	1	1	1	40.87	54.45137944
9105	11/01/2021	2	2.1	2.1.2.4	-	1,074	16	0.365	34.0	1.23	17.7	0.90	42	15.9	38.09	76.26	1	1	1	1	1	38.17	50.04980082
9106	11/01/2021	2	2.1	2.1.2.4	-	1,059	113	0.464	34.3	6.84	20.0	5.66	235	113.2	48.25	76.16	1	1	1	1	1	27.91	36.64969041
9107	11/01/2021	2	2.1	2.1.2.4	22010122167556	819	16	0.344	34.9	1.26	18.0	0.87	44	15.7	35.61	74.63	1	1	1	1	1	39.02	52.28045319
9108	11/01/2021	2	2.1	2.1.2.4	-	814	65	0.442	34.7	4.10	30.9	2.12	142	65.5	46.04	74.60	1	1	1	1	1	28.55	38.27404792

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9109	11/01/2021	2	2.1	2.1.2.4	22010122167563	962	55	0.397	34.6	3.83	18.1	3.02	133	54.7	41.25	75.54	1	1	1	1	1	34.29	45.39686638
9110	11/01/2021	2	2.1	2.1.2.4	-	950	55	0.386	34.4	3.95	17.9	3.06	136	54.8	40.31	75.47	1	1	1	1	1	35.16	46.58446433
9111	11/01/2021	2	2.1	2.1.2.4	-	981	28	0.485	23.2	2.37	11.7	2.37	55	27.7	50.43	75.66	1	1	1	1	1	25.23	33.34905916
9112	11/01/2021	2	2.1	2.1.2.4	-	1,077	111	0.427	34.7	7.16	15.9	6.96	248	110.7	44.54	76.28	1	1	1	1	1	31.74	41.607104
9113	11/01/2021	2	2.1	2.1.2.4	220101873570	1,096	117	0.468	34.1	6.99	19.9	5.87	238	116.8	49.01	76.40	1	1	1	1	1	27.39	35.85482555
9114	11/01/2021	2	2.1	2.1.2.4	-	1,060	66	0.403	34.0	4.58	17.5	3.76	156	65.8	42.26	76.17	1	1	1	1	1	33.91	44.52497036
9115	11/01/2021	2	2.1	2.1.2.4	2201101873578	1,050	118	0.477	33.9	6.96	19.9	5.91	236	117.6	49.85	76.11	1	1	1	1	1	26.26	34.50430987
9116	11/01/2021	2	2.1	2.1.4.2	22011011576580	1,049	112	0.463	34.1	6.78	19.3	5.81	231	112.1	48.50	76.10	1	1	1	1	1	27.60	36.26661364
9117	11/01/2021	2	2.1	2.1.4.2	22011012176810	1,056	10	0.339	33.8	0.84	18.8	0.53	28	10.0	35.09	76.14	1	1	1	1	1	41.05	53.91073699
9118	11/01/2021	2	2.1	2.1.4.2	22011011776958	1,035	10	0.331	33.7	0.84	17.7	0.55	28	9.7	34.39	76.01	1	1	1	1	1	41.62	54.75651644
9119	11/01/2021	2	2.1	2.1.4.2	-	1,050	92	0.418	34.1	6.16	26.8	3.42	210	91.7	43.63	76.11	1	1	1	1	1	32.47	42.66670364
9120	11/01/2021	2	2.1	2.1.4.2	-	1,055	88	0.433	34.1	5.68	18.3	4.80	194	87.8	45.35	76.14	1	1	1	1	1	30.79	40.43541122
9121	11/01/2021	2	2.1	2.1.4.2	-	1,073	88	0.430	34.1	5.74	18.7	4.72	196	88.3	45.09	76.25	1	1	1	1	1	31.16	40.86300397
9122	11/01/2021	2	2.1	2.1.4.2	22011012178613	715	16	0.355	33.2	1.29	18.1	0.86	43	15.6	36.35	73.96	1	1	1	1	1	37.62	50.85938519
9123	11/01/2021	2	2.1	2.1.4.2	-	834	69	0.453	33.5	4.42	17.3	3.97	148	68.7	46.38	74.72	1	1	1	1	1	28.34	37.92571204
9124	11/01/2021	2	2.1	2.1.4.2	-	698	97	0.494	32.5	5.89	25.9	3.73	191	96.6	50.47	73.85	1	1	1	1	1	23.39	31.66540538
9125	11/01/2021	2	2.1	2.1.4.2	22011020282371	886	66	0.602	20.5	5.22	12.6	5.25	107	66.2	61.82	75.06	1	1	1	0	0	13.24	17.63973139
9126	11/01/2021	2	2.1	2.1.4.2	-	748	36	0.358	33.7	2.95	16.0	2.29	99	36.6	36.86	74.17	1	1	1	1	1	37.32	50.31142611
9127	11/01/2021	2	2.1	2.1.4.2	-	834	11	0.318	33.3	1.06	20.5	0.56	35	11.5	32.52	74.72	1	1	1	1	1	42.20	56.4754788
9128	11/01/2021	2	2.1	2.1.4.2	22011012881211	859	55	0.585	33.4	2.76	27.9	1.97	92	55.0	59.62	74.88	1	1	1	1	0	15.26	20.37890137
9129	11/01/2021	2	2.1	2.1.4.2	-	1,067	124	0.482	34.2	7.31	20.3	6.13	250	124.4	49.78	76.21	1	1	1	1	1	26.44	34.69089757
9130	11/01/2021	2	2.1	2.1.4.2	-	722	129	0.661	32.6	5.83	23.9	5.40	190	129.1	67.91	74.01	1	0	0	0	0	6.10	8.244125248
9131	11/01/2021	2	2.1	2.1.4.2	22011012780849	890	87	42	32	6.2	15.23	5.5	198	83.8	42.22	75.08	1	1	1	1	1	32.86	43.76779775
9132	11/01/2021	2	2.1	2.1.4.2	-	989	65	32.4	30	6.1	12.5	4.8	183	60.0	32.79	75.72	1	1	1	1	1	42.93	56.69731833
9133	11/01/2021	2	2.1	2.1.4.2	-	960	58	32.6	29	5.6	13	4.2	162	54.6	33.62	75.53	1	1	1	1	1	41.91	55.48697252
9134	11/01/2021	2	2.1	2.1.4.2	-	1007	7	5.9	26	5.7	12.4	4.5	148	55.8	37.65	75.83	1	1	1	1	1	38.18	50.34758718
9135	11/01/2021	2	2.1	2.1.4.2	-	1009	77	36.2	32	6.2	14.3	5.1	198	72.9	36.76	75.84	1	1	1	1	1	39.08	51.53305937
9136	11/01/2021	2	2.1	2.1.4.2	-	867	77	50.8	22	6.4	13.6	5.3	141	72.1	51.19	74.93	1	1	1	1	1	23.74	31.68303403
9137	11/01/2021	2	2.1	2.1.4.2	22011020282373	529	57	30.3	31	5.6	12.9	4.3	174	55.5	31.95	72.77	1	1	1	1	1	40.82	56.09171026
9138	11/01/2021	2	2.1	2.1.4.1	vspl	530	54	29.3	30	5.5	12	4.2	165	50.4	30.55	72.78	1	1	1	1	1	42.23	58.02927458

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9139	11/01/2021	2	2.1	2.1.4.1	vspl	983	52	29.1	31	5.4	11.8	4.8	167	56.6	33.84	75.68	1	1	1	1	1	41.84	55.2901991
9140	11/01/2021	2	2.1	2.1.4.1	vspl	996	63	36	30	5.9	14.4	4.7	177	67.7	38.24	75.76	1	1	1	1	1	37.52	49.52866123
9141	11/01/2021	2	2.1	2.1.4.1	220110112274124	992	65	39.4	25	5.9	12.7	4.8	148	61.0	41.33	75.73	1	1	1	1	1	34.41	45.42956004
9142	11/01/2021	2	2.1	2.1.4.1	vspl	997	86	36.8	30	6.9	14	5.7	207	79.8	38.55	75.77	1	1	1	1	1	37.22	49.11923872
9143	11/01/2021	2	2.1	2.1.4.1	220112178619	989	118	49.2	30	6.9	21.6	5.04	207	108.9	52.59	75.72	1	1	1	1	1	23.12	30.54099241
9144	11/01/2021	2	2.1	2.1.4.1	vspl	1027	92	38.2	31	6.9	19.5	4.3	214	83.9	39.20	75.96	1	1	1	1	1	36.76	48.39233768
9145	11/01/2021	2	2.1	2.1.4.1	vspl2201111776870	974	78	56	31	6.4	14	5.2	198	72.8	36.69	75.62	1	1	1	1	1	38.93	51.47614059
9146	11/01/2021	2	2.1	2.1.4.1	vspl	947	126	53	31	6.4	21	5.2	198	109.2	55.04	75.45	1	1	1	1	1	20.41	27.04750555
9147	11/01/2021	2	2.1	2.1.4.1	22011121786112	941	77	50.7	21	3.5	13.9	2.7	74	37.5	51.06	75.41	1	1	1	1	1	24.35	32.28708673
9148	11/01/2021	2	2.1	2.1.4.1	vspl	996	93	39.1	31	6	14.5	5.9	186	85.6	45.99	75.76	1	1	1	1	1	29.77	39.28936007
9149	11/01/2021	2	2.1	2.1.4.1	vspl2201120282365	762	26	29.2	20	5	6	5.03	100	30.2	30.18	74.26	1	1	1	1	1	44.08	59.36054121
9150	11/01/2021	2	2.1	2.1.4.1	vspl	753	16	70.1	30	2.9	23.7	2.6	87	61.6	70.83	74.21	0	0	0	0	0	3.38	4.551721164
9151	11/01/2021	2	2.1	2.1.4.1	2201120282366	590	39	34.2	31	4.8	14	3.8	149	53.2	35.75	73.16	1	1	1	1	1	37.41	51.13216127
9152	11/01/2021	2	2.1	2.1.4.1	vspl	770	116	25.9	30	3.7	11.8	2.4	111	28.3	25.51	74.31	1	1	1	1	1	48.80	65.66795824
9153	11/01/2021	2	2.1	2.1.4.1	22011012881141	725	28	32.6	32	5.05	13.5	3.8	162	51.3	31.75	74.03	1	1	1	1	1	42.28	57.11635168
9154	11/01/2021	2	2.1	2.1.4.1	vspl	717	11	31.1	31	4.1	12.6	3.2	127	40.3	31.72	73.97	1	1	1	1	1	42.25	57.11640624
9155	11/01/2021	2	2.1	2.1.4.1	vspl	544	17	32.7	32	4.4	13.7	3.3	141	45.2	32.11	72.87	1	1	1	1	1	40.76	55.9346335
9156	11/01/2021	2	2.1	2.1.4.1	220101282369	712	14	28.3	32	3.7	11.9	2.8	118	33.3	28.14	73.94	1	1	1	1	1	45.80	61.94099778
9157	11/01/2021	2	2.1	2.1.4.1	vspl	608	64	51.4	25	4.1	14.4	3.6	103	51.8	50.58	73.28	1	1	1	1	1	22.70	30.98042808
9158	11/01/2021	2	2.1	2.1.4.1	22011281230	701	69	31.9	32	4.3	18	2.4	138	43.2	31.40	73.87	1	1	1	1	1	42.48	57.50057012
9159	11/01/2021	2	2.1	2.1.4.1	vspl	775	102	30.5	30	4.1	16	2.1	123	33.6	27.32	74.35	1	1	1	1	1	47.03	63.25683538
9160	11/01/2021	2	2.1	2.1.4.1	2201112881231	729	19	31.2	33	4.8	12.6	3.7	158	46.6	29.43	74.05	1	1	1	1	1	44.62	60.25498682
9161	11/01/2021	2	2.1	2.1.2.1	vspl	722	82	53.9	21	5.1	14	4.2	107	58.8	54.90	74.01	1	1	1	1	1	19.10	25.8149781
9162	11/01/2021	2	2.1	2.1.2.1	22011011074266	712	90	40.5	32	4.7	18.8	3.2	150	60.2	40.00	73.94	1	1	1	1	1	33.94	45.9041313
9163	11/01/2021	2	2.1	2.1.2.1	vspl	705	61	47.8	21	4.3	13	3.3	90	42.9	47.51	73.90	1	1	1	1	1	26.39	35.71097236
9164	11/01/2021	2	2.1	2.1.2.1	vspl	691	25	35.7	21	4.2	13.6	3.5	88	47.6	53.97	73.81	1	1	1	1	1	19.84	26.88060713
9165	11/01/2021	2	2.1	2.1.2.1	22011011174518	687	136	43.6	31	4.4	22.4	3.3	136	73.9	54.19	73.78	1	1	1	1	1	19.59	26.54988915
9166	11/01/2021	2	2.1	2.1.2.1	vspl	682	80	58.6	21	4	14.5	3.5	84	50.8	60.42	73.75	1	1	1	0	0	13.33	18.07998467
9167	11/01/2021	2	2.1	2.1.2.1	22011011275320	665	35	38.6	31	4.4	14.3	3.7	136	52.9	38.79	73.64	1	1	1	1	1	34.85	47.325816

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9168	11/01/2021	2	2.1	2.1.2.1	vspl	674	85	34.7	31	4.5	13.5	3.5	140	47.3	33.87	73.70	1	1	1	1	1	39.83	54.04185675
9169	11/01/2021	2	2.1	2.1.2.1	22011011174522	667	56	47.9	21	4.1	12.5	3.2	86	40.0	46.46	73.65	1	1	1	1	1	27.20	36.92521406
9170	11/01/2021	2	2.1	2.1.2.1	vspl	666	96	41.4	31	4.4	18.8	3.05	136	57.3	42.04	73.65	1	1	1	1	1	31.61	42.92052079
9171	11/01/2021	2	2.1	2.1.2.1	22011011275361	560	104	71.3	30	4.6	24.9	4.2	138	104.6	75.78	72.97	0	0	0	0	0	-2.81	-3.854472654
9172	11/01/2021	2	2.1	2.1.2.1	vspl	672	121	70.7	32	4.8	25	4.4	154	110.0	71.61	73.69	0	0	0	0	0	2.07	2.812195219
9173	11/01/2021	2	2.1	2.1.2.1	22011011275370	706	16	20.4	30	2.4	20.2	2.1	72	42.4	58.92	73.90	1	1	1	1	0	14.99	20.27989312
9174	11/01/2021	2	2.1	2.1.2.1	vspl	668	56	44.1	28	4.6	15.1	3.9	129	58.9	45.72	73.66	1	1	1	1	1	27.94	37.92926305
9175	11/01/2021	2	2.1	2.1.2.1	22011011375819	668	47	42.7	31	4	12.5	3.04	124	38.0	30.65	73.66	1	1	1	1	1	43.02	58.39714627
9176	11/01/2021	2	2.1	2.1.2.1	vspl	661	34	36.2	31	4.4	14.8	3.3	136	48.8	35.81	73.62	1	1	1	1	1	37.81	51.36076796
9177	11/01/2021	2	2.1	2.1.2.1	2201101375817	657	113	47.8	30	4.02	21	2.8	121	58.8	48.76	73.59	1	1	1	1	1	24.83	33.74685571
9178	11/01/2021	2	2.1	2.1.2.1	vspl	652	70	49.8	23	4.1	14.2	3.3	94	46.9	49.69	73.56	1	1	1	1	1	23.87	32.44523995
9179	11/01/2021	2	2.1	2.1.2.1	220110111074147	633	26	39	30	4.2	14.4	3.6	126	51.8	41.14	73.44	1	1	1	1	1	32.29	43.97545502
9180	11/01/2021	2	2.1	2.1.2.1	vspl	632	20	35.9	30	4.3	11	3.4	129	37.4	28.99	73.43	1	1	1	1	1	44.44	60.51759199
9181	11/01/2021	2	2.1	2.1.2.1	22011011672545	635	71	39.3	30	3.9	17.4	2.7	117	47.0	40.15	73.45	1	1	1	1	1	33.30	45.3317275
9182	11/01/2021	2	2.1	2.1.2.1	vspl	632	29	37.4	30	4.2	14.2	3.4	126	48.3	38.32	73.43	1	1	1	1	1	35.11	47.81827201
9183	11/01/2021	2	2.1	2.1.2.1	22011010652580	629	97	43	30	4.2	19.2	3	126	57.6	45.71	73.41	1	1	1	1	1	27.70	37.72879802
9184	11/01/2021	1	1.4	1.4.4.3	22010122167701	568	17	36	31	3.3	13.1	2.6	102	34.1	33.29	73.02	1	1	1	1	1	39.73	54.4047035
9185	11/01/2021	1	1.4	1.4.4.3	22010122162733	605	12	13.3	31	0.6	7.41	0.3	19	2.2	11.95	73.26	1	1	1	1	1	61.31	83.68558669
9186	11/01/2021	1	1.4	1.4.4.3	-	610	42	32.4	27	4.1	12.3	3.1	111	38.1	34.44	73.29	1	1	1	1	1	38.85	53.0025318
9187	11/01/2021	1	1.4	1.4.4.3	-	626	46	44	20	3.9	12	3.05	78	36.6	46.92	73.39	1	1	1	1	1	26.47	36.06548236
9188	11/01/2021	1	1.4	1.4.4.3	-	628	88	43.1	31	4.2	18.7	3.1	130	58.0	44.52	73.41	1	1	1	1	1	28.88	39.34515603
9189	11/01/2021	1	1.4	1.4.4.3	-	632	34	38.7	29	3.7	15	2.9	107	43.5	40.54	73.43	1	1	1	1	1	32.89	44.79082273
9190	11/01/2021	1	1.4	1.4.4.3	-	620	80	55.2	31	3.9	14.2	3.2	121	45.4	37.58	73.35	1	1	1	1	1	35.77	48.76246584
9191	11/01/2021	1	1.4	1.4.4.3	22010122167718	607	108	48.5	31	4	22.2	3.03	124	67.3	54.25	73.27	1	1	1	1	1	19.02	25.96399358
9192	11/01/2021	1	1.4	1.4.4.3	-	850	48	34.8	32	5	13.9	3.9	160	54.2	33.88	74.83	1	1	1	1	1	40.94	54.71995028
9193	11/01/2021	1	1.4	1.4.4.3	22010122167704	836	72	50	22	5.4	13.7	4.2	119	57.5	48.43	74.74	1	1	1	1	1	26.30	35.19310077
9194	11/01/2021	1	1.4	1.4.4.3	-	848	50	33	32	5.3	13.3	4.2	170	55.9	32.94	74.81	1	1	1	1	1	41.88	55.97525469
9195	11/01/2021	1	1.4	1.4.4.3	-	858	51	36.4	31	4.9	13.1	4.2	152	55.0	36.22	74.88	1	1	1	1	1	38.66	51.62586454
9196	11/01/2021	1	1.4	1.4.4.3	-	873	63	37.5	31	4.5	17.8	3	140	53.4	38.28	74.97	1	1	1	1	1	36.69	48.94232887
9197	11/01/2021	1	1.4	1.4.4.3	22010122268175	899	29	29.4	23	5.2	6.6	5.1	120	33.7	28.14	75.14	1	1	1	1	1	47.00	62.54463331

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9198	11/01/2021	1	1.4	1.4.4.3	-	953	129	52.3	32	6.9	20.2	5.1	221	103.0	46.66	75.49	1	1	1	1	1	28.83	38.18972634
9199	11/01/2021	1	1.4	1.4.4.3	-	947	72	31.7	31	6.5	16.2	4.1	202	66.4	32.96	75.45	1	1	1	1	1	42.48	56.30990426
9200	11/01/2021	1	1.4	1.4.4.3	-	961	92	39.4	31	6.7	16.9	5.05	208	85.3	41.09	75.54	1	1	1	1	1	34.45	45.60170306
9201	11/01/2021	1	1.4	1.4.4.3	22010122268149	974	43	28.5	31	3.9	11.9	2.2	121	26.2	21.65	75.62	1	1	1	1	1	53.97	71.3642234
9202	11/01/2021	1	1.4	1.4.4.3	-	967	94	38.8	31	7	16.9	5.1	217	86.2	39.72	75.57	1	1	1	1	1	35.86	47.44426183
9203	11/01/2021	1	1.4	1.4.4.3	-	966	41	22	31	3.7	12.4	1.6	115	19.8	17.30	75.57	1	1	1	1	1	58.27	77.11040951
9204	11/01/2021	1	1.4	1.4.4.3	-	969	111	45.2	31	6.9	18.3	5.5	214	100.7	47.05	75.59	1	1	1	1	1	28.53	37.74812475
9205	11/01/2021	1	1.4	1.4.4.3	22010122268164	974	33	26.2	32	3.3	16.2	1.8	106	29.2	27.61	75.62	1	1	1	1	1	48.01	63.48349322
9206	11/01/2021	1	1.4	1.4.4.2	vspl	975	48	30.5	31	4.5	16.4	2.7	140	44.3	31.74	75.63	1	1	1	1	1	43.88	58.02774775
9207	11/01/2021	1	1.4	1.4.4.2	vspl	891	21	22.1	32	4.3	11.1	2.9	138	32.2	23.39	75.09	1	1	1	1	1	51.69	68.84486106
9208	11/01/2021	1	1.4	1.4.4.2	vspl	981	44	28.1	31	4.5	15.9	2.5	140	39.8	28.49	75.66	1	1	1	1	1	47.17	62.34077895
9209	11/01/2021	1	1.4	1.4.4.2	2201122167745	974	28	28.2	31	2.9	15.3	1.6	90	24.5	27.23	75.62	1	1	1	1	1	48.39	63.99047887
9210	11/01/2021	1	1.4	1.4.4.2	vspl	970	42	28.5	31	3.1	22.7	1.6	96	36.3	37.79	75.59	1	1	1	1	1	37.80	50.00401537
9211	11/01/2021	1	1.4	1.4.4.2	22010122167750	988	118	49.2	31	7.01	18.5	5.8	217	107.3	49.38	75.71	1	1	1	1	1	26.33	34.78141785
9212	11/01/2021	1	1.4	1.4.4.2	vspl	984	85	35.7	31	7.04	13.4	6.02	218	80.7	36.96	75.68	1	1	1	1	1	38.72	51.16118084
9213	11/01/2021	1	1.4	1.4.4.2	22010122167735	981	102	41.1	31	7.1	17.6	5.3	220	93.3	42.38	75.66	1	1	1	1	1	33.28	43.98853883
9214	11/01/2021	1	1.4	1.4.4.2	vspl	993	17	25.6	32	1.8	16.3	0.9	58	14.7	25.47	75.74	1	1	1	1	1	50.27	66.3739814
9215	11/01/2021	1	1.4	1.4.4.2	22010122268146	955	21	28.6	31	2.2	15.5	1.3	68	20.2	29.55	75.50	1	1	1	1	1	45.95	60.86591096
9216	11/01/2021	1	1.4	1.4.4.2	vspl	894	13	27.2	32	1.4	15.7	6.7	45	105.2	234.80	75.11	1	1	1	1	1	-159.69	-212.616975
9217	11/01/2021	1	1.4	1.4.4.2	2201012216810	955	118	48.9	31	6.7	18.8	5.5	208	103.4	49.78	75.50	1	1	1	1	1	25.71	34.06005277
9218	11/01/2021	1	1.4	1.4.4.2	vspl	948	46	36.7	30	6.6	24.5	2.1	198	51.5	25.98	75.45	1	1	1	1	1	49.47	65.56163491
9219	11/01/2021	1	1.4	1.4.4.2	2201012263375	944	26	23.1	31	0.9	16.7	0.3	28	5.0	17.96	75.43	1	1	1	1	1	57.47	76.19307886
9220	11/01/2021	1	1.4	1.4.4.2	vspl	938	138	23.8	31	6.8	23.1	5.07	211	117.1	55.56	75.39	1	1	1	1	1	19.83	26.30463097
9221	11/01/2021	1	1.4	1.4.4.2	22010122167369	938	20	22.9	31	2.6	18.2	1.6	81	29.1	36.13	75.39	1	1	1	1	1	39.26	52.07664724
9222	11/01/2021	1	1.4	1.4.4.2	vspl	934	17	35.8	30	3.7	23.4	2.3	111	53.8	48.49	75.36	1	1	1	1	1	26.88	35.66325589
9223	11/01/2021	1	1.4	1.4.4.2	2201012216355	951	120	56.1	31	6.2	22.1	2.4	192	53.0	27.60	75.47	1	1	1	1	1	47.88	63.43530363
9224	11/01/2021	1	1.4	1.4.4.2	vspl	933	73	35.6	32	6.2	13.8	5.1	198	70.4	35.47	75.36	1	1	1	1	1	39.88	52.92581157
9225	11/01/2021	1	1.4	1.4.4.2	vspl	949	89	45.3	28	6.2	14.8	5.9	174	87.3	50.30	75.46	1	1	1	1	1	25.16	33.34242539
9226	11/01/2021	1	1.4	1.4.4.2	vspl	956	118	51.6	32	6.4	20.4	5.1	205	104.0	50.80	75.50	1	1	1	1	1	24.70	32.71811808
9227	11/01/2021	1	1.4	1.4.4.2	vspl	958	75	36.9	30	6.1	13.8	5.1	183	70.4	38.46	75.52	1	1	1	1	1	37.06	49.07250746

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9228	11/01/2021	1	1.4	1.4.4.2	vspl	951	62	33.7	31	5.1	12.9	4.6	158	59.3	37.53	75.47	1	1	1	1	1	37.94	50.26896345
9229	11/01/2021	1	1.4	1.4.4.4	-	929	57	32.4	31	5.5	12.5	4.5	171	56.3	32.99	75.33	1	1	1	1	1	42.34	56.2053609
9230	11/01/2021	1	1.4	1.4.4.4	-	968	76	33.2	31	6.1	14	5.5	189	77.0	40.72	75.58	1	1	1	1	1	34.86	46.12523195
9231	11/01/2021	1	1.4	1.4.4.4	-	958	80	36.9	30	6.6	13.8	5.5	198	75.9	38.33	75.52	1	1	1	1	1	37.18	49.23893718
9232	11/01/2021	1	1.4	1.4.4.4	-	940	97	42.8	31	6.7	15.1	6.07	208	91.7	44.13	75.40	1	1	1	1	1	31.27	41.47434588
9233	11/01/2021	1	1.4	1.4.4.4	-	940	31	29.8	32	5.02	7.1	4.5	161	32.0	19.89	75.40	1	1	1	1	1	55.51	73.62245932
9234	11/01/2021	1	1.4	1.4.4.4	22010122468392	942	63	35.5	30	5.6	13	4.6	168	59.8	35.60	75.41	1	1	1	1	1	39.82	52.80072599
9235	11/01/2021	1	1.4	1.4.4.4	-	978	84	38	30	6.7	14	5.7	201	79.8	39.70	75.65	1	1	1	1	1	35.94	47.51617745
9236	11/01/2021	1	1.4	1.4.4.4	-	972	26	29.3	30	3.7	13.8	1.6	111	22.1	19.89	75.61	1	1	1	1	1	55.71	73.69034017
9237	11/01/2021	1	1.4	1.4.4.4	-	975	90	41.2	21	6.4	13.5	4.4	134	59.4	44.20	75.63	1	1	1	1	1	31.43	41.55921433
9238	11/01/2021	1	1.4	1.4.4.4	22010122468391	677	26	29.6	31	4.03	12.6	3.07	125	38.7	30.96	73.72	1	1	1	1	1	42.76	57.99858483
9239	11/01/2021	1	1.4	1.4.4.4	-	753	16	27.8	31	4.6	12.6	3.3	143	41.6	29.16	74.21	1	1	1	1	1	45.05	60.70560382
9240	11/01/2021	1	1.4	1.4.4.4	-	786	11	34	32	3.5	14	2.6	112	36.4	32.50	74.42	1	1	1	1	1	41.92	56.32683118
9241	11/01/2021	1	1.4	1.4.4.4	-	690	13.6	27.4	31	4.6	12.1	3.3	143	39.9	28.00	73.80	1	1	1	1	1	45.80	62.05874837
9242	11/01/2021	1	1.4	1.4.4.4	22010122167350	775	69	41	32	5.1	15.3	4.4	163	67.3	41.25	74.35	1	1	1	1	1	33.10	44.5161811
9243	11/01/2021	1	1.4	1.4.4.4	-	704	25	29.2	30	4.7	12.3	3.5	141	43.1	30.53	73.89	1	1	1	1	1	43.36	58.68012752
9244	11/01/2021	1	1.4	1.4.4.4	-	789	49	34.9	31	5.5	14.2	4.3	171	61.1	35.81	74.44	1	1	1	1	1	38.62	51.88818695
9245	11/01/2021	1	1.4	1.4.4.4	-	809	92	44.3	32	5.1	19.2	3.8	163	73.0	44.71	74.56	1	1	1	1	1	29.86	40.04328875
9246	11/01/2021	1	1.4	1.4.4.4	22010122167393	820	89	51.2	32	5.6	15	4.8	179	72.0	40.18	74.63	1	1	1	1	1	34.46	46.16586083
9247	11/01/2021	1	1.4	1.4.4.4	-	822	78	36.2	31	5.3	18.2	3.4	164	61.9	37.66	74.65	1	1	1	1	1	36.98	49.54530947
9248	11/01/2021	1	1.4	1.4.4.4	-	824	91	36.2	29	5.3	15.7	4.5	154	70.7	45.97	74.66	1	1	1	1	1	28.69	38.43234111
9249	11/01/2021	1	1.4	1.4.4.4	-	825	115	59.6	22	5.5	20.8	4.3	121	89.4	73.92	74.67	0	0	0	0	0	0.75	1.002658008
9250	11/01/2021	1	1.4	1.4.4.4	22010122268185	826	69	51.4	31	5.2	15.7	4.4	161	69.1	42.85	74.67	1	1	1	1	1	31.82	42.61119501
9251	11/01/2021	1	1.5	1.5.1.3	22010122268174	837	69	41.3	30	5	14.9	4.9	150	73.0	48.67	74.74	1	1	1	1	1	26.07	34.87890026
9252	11/01/2021	1	1.5	1.5.1.3	-	839	57	39.5	31	4.8	12.9	3.8	149	49.0	32.94	74.76	1	1	1	1	1	41.81	55.9316648
9253	11/01/2021	1	1.5	1.5.1.3	-	948	122	46.8	22	5.6	22.1	3.9	123	86.2	69.96	75.45	1	0	0	0	0	5.49	7.281048936
9254	11/01/2021	1	1.5	1.5.1.3	-	955	20	20.1	32	1.4	20.2	1	45	20.2	45.09	75.50	1	1	1	1	1	30.41	40.27750972
9255	11/01/2021	1	1.5	1.5.1.3	22010122167566	824	91	36.2	29	5.3	15.7	4.5	154	70.7	45.97	74.66	1	1	1	1	1	28.69	38.43234111
9256	11/01/2021	1	1.5	1.5.1.3	-	825	115	59.6	22	5.5	20.8	4.3	121	89.4	73.92	74.67	0	0	0	0	0	0.75	1.002658008
9257	11/01/2021	1	1.5	1.5.1.3	-	826	69	51.4	31	5.2	15.7	4.4	161	69.1	42.85	74.67	1	1	1	1	1	31.82	42.61119501

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9258	11/01/2021	1	1.5	1.5.1.3	22010122167565	837	69	41.3	30	5	14.9	4.9	150	73.0	48.67	74.74	1	1	1	1	1	26.07	34.87890026
9259	11/01/2021	1	1.5	1.5.1.3	-	686	129	62.9	30	4.3	22.1	3.8	129	84.0	65.10	73.78	1	1	0	0	0	8.68	11.75934961
9260	11/01/2021	1	1.5	1.5.1.3	-	676	69	46	29	4.8	15.3	4.07	139	62.3	44.73	73.71	1	1	1	1	1	28.98	39.31154895
9261	11/01/2021	1	1.5	1.5.1.3	-	671	58	4.4	29	4.8	15	4.3	139	64.5	46.34	73.68	1	1	1	1	1	27.34	37.11189557
9262	11/01/2021	1	1.5	1.5.1.3	-	665	20	15.4	20	2.4	10.2	1.4	48	14.3	29.75	73.64	1	1	1	1	1	43.89	59.60185764
9263	11/01/2021	1	1.5	1.5.1.3	-	666	147	62.1	31	4.7	22.7	4.09	146	92.8	63.72	73.65	1	1	0	0	0	9.93	13.47805034
9264	11/01/2021	1	1.5	1.5.1.3	-	674	159	64.2	31	4.9	23.1	4.3	152	99.3	65.39	73.70	1	1	0	0	0	8.31	11.27264589
9265	11/01/2021	1	1.5	1.5.1.3	22011011275160	671	46	26.8	31	4.8	22.5	2.5	149	56.3	37.80	73.68	1	1	1	1	1	35.88	48.69406334
9266	11/01/2021	1	1.5	1.5.1.3	-	666	166	64.2	31	5.1	23.3	4.3	158	100.2	63.37	73.65	1	1	0	0	0	10.28	13.95429636
9267	11/01/2021	1	1.5	1.5.1.3	-	659	160	67.4	31	4.6	23.9	4.1	143	98.0	68.72	73.60	1	0	0	0	0	4.89	6.639498554
9268	11/01/2021	1	1.5	1.5.1.3	22011011275180	657	83	5.1	31	6.8	15.3	3.9	211	59.7	28.31	73.59	1	1	1	1	1	45.28	61.53533918
9269	11/01/2021	1	1.5	1.5.1.3	-	654	151	62.7	31	4.8	22.6	4.2	149	94.9	63.79	73.57	1	1	0	0	0	9.78	13.2949092
9270	11/01/2021	1	1.5	1.5.1.3	-	653	26	40.7	19	1.7	13.6	0.6	32	8.2	25.26	73.57	1	1	1	1	1	48.30	65.6588198
9271	11/01/2021	1	1.5	1.5.1.4	-	628	154	67.5	31	4.4	23.4	4.82	136	112.8	82.69	73.41	1	1	0	0	0	-9.28	-12.64753663
9272	11/01/2021	1	1.5	1.5.1.4	-	625	90	60.4	24	4.2	15.6	3.8	101	59.3	58.81	73.39	1	1	1	0	0	14.58	19.86274792
9273	11/01/2021	1	1.5	1.5.1.4	22011011174822	585	154	65.1	31	4.3	23.2	3.8	133	88.2	66.14	73.13	1	0	0	0	0	6.99	9.563060121
9274	11/01/2021	1	1.5	1.5.1.4	-	608	45	20.5	30	4.2	7.1	4.1	126	29.1	23.10	73.28	1	1	1	1	1	50.17	68.47153739
9275	11/01/2021	1	1.5	1.5.1.4	22011011275327	624	157	65.8	31	4.4	23.4	3.9	136	91.3	66.91	73.38	1	0	0	0	0	6.47	8.821854633
9276	11/01/2021	1	1.5	1.5.1.4	-	627	46	20.8	31	4.5	7.1	4.1	140	29.1	20.87	73.40	1	1	1	1	1	52.53	71.56985739
9277	12/01/2021	1	1.5	1.5.1.4	-	628	49	41.6	21	4.2	12.3	3.1	88	38.1	43.23	73.41	1	1	1	1	1	30.17	41.10595364
9278	12/01/2021	1	1.5	1.5.1.4	-	624	123	61.9	21	4.6	16.1	3.8	97	61.2	63.33	73.38	1	1	0	0	0	10.05	13.69081688
9279	12/01/2021	1	1.5	1.5.1.4	22011011174526	618	20	18.2	31	2.4	10.2	2	74	20.4	27.42	73.34	1	1	1	1	1	45.92	62.61398117
9280	12/01/2021	1	1.5	1.5.1.4	-	612	42	33.1	31	4.2	25.2	3.3	130	83.2	63.87	73.30	1	1	0	0	0	9.43	12.86694677
9281	12/01/2021	1	1.5	1.5.1.4	-	789	165	66.5	31	4.5	23.6	6.1	140	144.0	103.20	74.44	1	1	1	1	1	-28.76	-38.63948516
9282	12/01/2021	1	1.5	1.5.1.4	22011011174718	602	112	60.6	29	4.4	15.1	3.7	128	55.9	43.79	73.24	1	1	1	1	1	29.45	40.21575114
9283	12/01/2021	1	1.5	1.5.1.4	-	591	165	65.6	30	4.4	23.1	3.9	132	90.1	68.25	73.17	1	0	0	0	0	4.92	6.722027542
9284	12/01/2021	1	1.5	1.5.1.4	-	592	129	60.5	20	4.2	16.4	3.3	84	54.1	64.43	73.17	1	1	0	0	0	8.75	11.95251449
9285	12/01/2021	1	1.5	1.5.1.4	22010122268786	589	26	27	31	3.1	25.2	2.2	96	55.4	57.69	73.16	1	1	1	1	0	15.47	21.14081991
9286	12/01/2021	1	1.5	1.5.1.4	-	995	131	62	29	4.06	21.4	3.5	118	74.9	63.61	75.75	1	1	1	0	0	12.14	16.02457382
9287	12/01/2021	1	1.5	1.5.1.4	-	580	24	43.5	24	3.9	13.5	3.3	94	44.6	47.60	73.10	1	1	1	1	1	25.50	34.88720095

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9288	12/01/2021	1	1.5	1.5.1.4	22010122268201	577	159	59.5	30	4.3	22.3	3.6	129	80.3	62.23	73.08	1	1	0	0	0	10.85	14.8418445
9289	12/01/2021	1	1.4	1.4.3.2	vspl	833	164	67.8	32	5.9	23.9	5.4	189	129.1	68.36	74.72	1	0	0	0	0	6.36	8.510957521
9290	12/01/2021	1	1.4	1.4.3.2	22011011275125	847	152	64.3	32	5.9	23.7	5.3	189	125.6	66.53	74.81	1	1	0	0	0	8.28	11.06327187
9291	12/01/2021	1	1.4	1.4.3.2	vspl	860	79	48.8	21	4.8	15.9	3.8	101	60.4	59.94	74.89	1	1	1	0	0	14.95	19.96197598
9292	12/01/2021	1	1.4	1.4.3.2	220110110282625	853	23	26.3	32	4.3	11.5	3.1	138	35.7	25.91	74.85	1	1	1	1	1	48.94	65.38397889
9293	12/01/2021	1	1.4	1.4.3.2	vspl	882	49	32.3	31	5.4	12.8	4.2	167	53.8	32.11	75.03	1	1	1	1	1	42.92	57.19798357
9294	12/01/2021	1	1.4	1.4.3.2	22011011281194	918	35	26.4	31	4.8	12.3	3.5	149	43.1	28.93	75.26	1	1	1	1	1	46.33	61.55860973
9295	12/01/2021	1	1.4	1.4.3.2	vspl	852	49	5.59	30	3.9	15.2	3.6	117	54.7	46.77	74.84	1	1	1	1	1	28.07	37.50670672
9296	12/01/2021	1	1.4	1.4.3.2	220110112580279	652	168	42.1	30	5.7	20.6	3.2	171	65.9	38.55	73.56	1	1	1	1	1	35.01	47.59334355
9297	12/01/2021	1	1.4	1.4.3.2	vspl	869	168	65.6	32	6.3	24.4	5.5	202	134.2	66.57	74.95	1	1	0	0	0	8.38	11.1813316
9298	12/01/2021	1	1.4	1.4.3.2	22011011275131	870	146	61.8	30	6.1	22.5	5.4	183	121.5	66.39	74.95	1	1	0	0	0	8.56	11.42108143
9299	12/01/2021	1	1.4	1.4.3.2	vspl	877	70	38.7	31	5.6	14.9	4.6	174	68.5	39.48	75.00	1	1	1	1	1	35.52	47.35706862
9300	12/01/2021	1	1.4	1.4.3.2	2201101182244	900	33	26.1	33	5.1	11.3	3.6	168	40.7	24.17	75.15	1	1	1	1	1	50.97	67.83445161
9301	12/01/2021	1	1.4	1.4.3.2	vspl	901	66	37.3	31	5.5	14.43	4.5	171	64.9	38.09	75.15	1	1	1	1	1	37.07	49.32291718
9302	12/01/2021	1	1.4	1.4.3.2	vspl	901	70	36.3	31	6.1	14	5.5	189	77.0	40.72	75.15	1	1	1	1	1	34.43	45.81783657
9303	12/01/2021	1	1.4	1.4.3.2	vspl	889	145	50.5	31	6.4	23	4.5	198	103.5	52.17	75.08	1	1	1	1	1	22.91	30.51359069
9304	12/01/2021	1	1.4	1.4.3.2	220110203896	889	135	56.3	31	5.9	23	4.8	183	110.4	60.36	75.08	1	1	1	0	0	14.71	19.59990606
9305	12/01/2021	1	1.4	1.4.3.2	vspl	813	74	13.3	31	5.8	13.3	4.7	180	62.5	34.77	74.59	1	1	1	1	1	39.82	53.3894892
9306	12/01/2021	1	1.4	1.4.3.2	vspl	893	124	52.2	32	5.8	21.9	4.4	186	96.4	51.92	75.10	1	1	1	1	1	23.18	30.86914264
9307	12/01/2021	1	1.4	1.4.3.2	vspl	901	70	40.2	32	5.3	15.3	4.8	170	73.4	43.30	75.15	1	1	1	1	1	31.85	42.38123228
9308	12/01/2021	1	1.4	1.4.3.2	vspl	889	142	48.1	31	5.2	25.7	4	161	102.8	63.77	75.08	1	1	1	0	0	11.30	15.05667333
9309	12/01/2021	1	1.4	1.4.3.2	vspl	889	92	44.6	32	5.9	16.2	5.3	189	85.9	45.48	75.08	1	1	1	1	1	29.60	39.42546591
9310	12/01/2021	1	1.4	1.4.3.2	vspl	901	133	42.8	31	6.8	22.1	4.6	211	101.7	48.23	75.15	1	1	1	1	1	26.93	35.82931955
9311	12/01/2021	1	1.4	1.4.3.2	vspl	990	144	56.8	30	7.2	24.6	5.4	216	132.8	61.50	75.72	1	1	1	0	0	14.22	18.78185996
9312	12/01/2021	1	1.4	1.4.3.2	220110873611	992	104	47	30	6.6	20.6	3	198	61.8	31.21	75.73	1	1	1	1	1	44.52	58.78760991
9313	12/01/2021	1	1.4	1.4.3.4	22011011275124	985	164	63.7	32	7.1	23.7	6.3	227	149.3	65.72	75.69	1	1	0	0	0	9.97	13.17554554
9314	12/01/2021	1	1.4	1.4.3.4	-	907	150	63.3	31	6.2	24.5	5.2	192	127.4	66.29	75.19	1	1	0	0	0	8.91	11.84410903
9315	12/01/2021	1	1.4	1.4.3.4	22011011275128	1019	103	53.6	28	7.2	14.7	6.02	202	88.5	43.90	75.91	1	1	1	1	1	32.01	42.17201791
9316	12/01/2021	1	1.4	1.4.3.4	-	1031	94	42.4	31	6.5	15.3	5.7	202	87.2	43.28	75.98	1	1	1	1	1	32.70	43.04041748
9317	12/01/2021	1	1.4	1.4.3.4	-	871	58	37.8	30	5.1	13.8	4.4	153	60.7	39.69	74.96	1	1	1	1	1	35.27	47.05701342

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9318	12/01/2021	1	1.4	1.4.3.4	22011012580273	560	40	40.7	30	4.3	15.1	3.7	129	55.9	43.31	72.97	1	1	1	1	1	29.66	40.64673493
9319	12/01/2021	1	1.4	1.4.3.4	-	909	170	62.7	32	6.4	23.4	5.6	205	131.0	63.98	75.20	1	1	0	0	0	11.22	14.918468
9320	12/01/2021	1	1.4	1.4.3.4	-	933	72	38.4	26	6.1	13.6	5.03	159	68.4	43.13	75.36	1	1	1	1	1	32.22	42.76272397
9321	12/01/2021	1	1.4	1.4.3.4	22011012981394	950	162	65.9	32	6.7	23.5	6.1	214	143.4	66.86	75.47	1	1	0	0	0	8.60	11.402476
9322	12/01/2021	1	1.4	1.4.3.4	-	945	79	38.9	30	6.2	14.3	5.2	186	74.4	39.98	75.43	1	1	1	1	1	35.46	47.00202213
9323	12/01/2021	1	1.4	1.4.3.4	-	938	134	58.9	31	6.1	23.8	4.8	189	114.2	60.41	75.39	1	1	1	0	0	14.98	19.86586916
9324	12/01/2021	1	1.4	1.4.3.4	-	600	77	39	30	5.4	16.4	4.4	162	72.2	44.54	73.23	1	1	1	1	1	28.68	39.17022659
9325	12/01/2021	1	1.4	1.4.3.4	22011020382943	1011	86	38.1	31	6.6	14.1	5.7	205	80.4	39.28	75.86	1	1	1	1	1	36.57	48.21593837
9326	12/01/2021	1	1.4	1.4.3.4	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9327	12/01/2021	1	1.4	1.4.3.4	-	629	84	65.4	30	4.3	21.4	2.4	129	51.4	39.81	73.41	1	1	1	1	1	33.60	45.76612758
9328	12/01/2021	1	1.4	1.4.3.4	-	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
9329	12/01/2021	1	1.4	1.4.3.4	22011010873605	691	41	20.4	31	6.5	26.8	2.5	202	67.0	33.25	73.81	1	1	1	1	1	40.56	54.95008651
9330	12/01/2021	1	1.4	1.4.3.4	-	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
9331	12/01/2021	1	1.4	1.4.3.4	-	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
9332	12/01/2021	1	1.4	1.4.3.4	22011010873619	731	21	20.2	30	6.2	27.4	3.5	186	95.9	51.56	74.06	1	1	1	1	1	22.51	30.38606971
9333	12/01/2021	1	1.4	1.4.3.1	-	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
9334	12/01/2021	1	1.4	1.4.3.1	-	798	32	20.2	32	5	26.2	3.7	160	96.9	60.59	74.49	1	1	1	0	0	13.91	18.66707297
9335	12/01/2021	1	1.4	1.4.3.1	22011011375882	786	37	24.4	32	5.4	14	3.8	173	53.2	30.79	74.42	1	1	1	1	1	43.63	58.62869336
9336	12/01/2021	1	1.4	1.4.3.1	-	792	23	20.3	30	5.2	20.8	3.9	156	81.1	52.00	74.45	1	1	1	1	1	22.45	30.15896893
9337	12/01/2021	1	1.4	1.4.3.1	-	756	17	20.4	30	5.9	21.4	3	177	64.2	36.27	74.22	1	1	1	1	1	37.95	51.13306886
9338	12/01/2021	1	1.4	1.4.3.1	22011011576724	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
9339	12/01/2021	1	1.4	1.4.3.1	-	703	26	20.4	31	5	24	4.1	155	98.4	63.48	73.89	1	1	0	0	0	10.40	14.07768949
9340	12/01/2021	1	1.4	1.4.3.1	-	705	12	20.2	32	4.5	20.8	4.1	144	85.3	59.22	73.90	1	1	1	0	0	14.68	19.85950605
9341	12/01/2021	1	1.4	1.4.3.1	-	709	17	17.8	30	4.1	25	3.7	123	92.5	75.20	73.92	0	0	0	0	0	-1.28	-1.731046692
9342	12/01/2021	1	1.4	1.4.3.1	-	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
9343	12/01/2021	1	1.4	1.4.3.1	-	801	13	23.4	20	5.8	22	4.9	116	107.8	92.93	74.51	1	1	1	1	0	-18.42	-24.71888502
9344	12/01/2021	1	1.4	1.4.3.1	22011012881105	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
9345	12/01/2021	1	1.4	1.4.3.1	-	810	27	22.4	19	4.9	12	5	93	60.0	64.45	74.57	1	1	0	0	0	10.12	13.57539042
9346	12/01/2021	1	1.4	1.4.3.1	-	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
9347	12/01/2021	1	1.4	1.4.3.1	-	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9348	12/01/2021	1	1.4	1.4.3.1	-	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
9349	12/01/2021	1	1.4	1.4.3.1	22011011275117	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
9350	12/01/2021	1	1.4	1.4.3.1	22011011275118	954	24	21.3	20	5.6	22.5	4.9	112	110.3	98.44	75.49	1	1	1	1	1	-22.95	-30.39530226
9351	12/01/2021	1	1.4	1.4.3.1	-	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
9352	12/01/2021	1	1.4	1.4.3.1	-	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
9353	12/01/2021	1	1.4	1.4.3.1	-	946	35	39.7	30	6.1	22.6	5.3	183	119.8	65.45	75.44	1	1	0	0	0	9.99	13.23806354
9354	12/01/2021	1	1.4	1.4.3.1	-	940	27	21.4	22	4.1	13.5	3.6	90	48.6	53.88	75.40	1	1	1	1	1	21.52	28.54265659
9355	12/01/2021	1	1.4	1.4.3.1	22011011174836	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
9356	12/01/2021	1	1.4	1.4.3.3	22011012881002	941	48	34.2	21	5.7	12.9	5.1	120	65.8	54.96	75.41	1	1	1	1	1	20.45	27.11368228
9357	12/01/2021	1	1.4	1.4.3.3	-	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
9358	12/01/2021	1	1.4	1.4.3.3	-	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
9359	12/01/2021	1	1.4	1.4.3.3	-	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
9360	12/01/2021	1	1.4	1.4.3.3	22011012479866	826	83	46.3	31	5.9	21	5	183	105.0	57.41	74.67	1	1	1	1	0	17.26	23.11962666
9361	12/01/2021	1	1.4	1.4.3.3	-	732	78	56.1	30	5.4	19	5.2	162	98.8	60.99	74.07	1	1	1	0	0	13.08	17.66302737
9362	12/01/2021	1	1.4	1.4.3.3	-	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
9363	12/01/2021	1	1.4	1.4.3.3	-	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
9364	12/01/2021	1	1.4	1.4.3.3	22011012881093	911	25	59.6	30	6.3	20	5.3	189	106.0	56.08	75.22	1	1	1	1	1	19.13	25.4356017
9365	12/01/2021	1	1.4	1.4.3.3	-	926	30	26.4	18	5.1	21	5.6	92	117.6	128.10	75.31	1	1	1	1	1	-52.79	-70.09758707
9366	12/01/2021	1	1.4	1.4.3.3	-	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
9367	12/01/2021	1	1.4	1.4.3.3	-	820	29	30.2	32	6.4	24	4.6	205	110.4	53.91	74.63	1	1	1	1	1	20.73	27.77252995
9368	12/01/2021	1	1.4	1.4.3.3	22011011777014	855	29	48.4	30	5	20	5.4	150	108.0	72.00	74.86	0	0	0	0	0	2.86	3.817895215
9369	12/01/2021	1	1.4	1.4.3.3	-	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
9370	12/01/2021	1	1.4	1.4.3.3	-	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
9371	12/01/2021	1	1.4	1.4.3.3	2201101087381	850	26	60.2	30	6.4	20.4	5.6	192	114.2	59.50	74.83	1	1	1	1	0	15.33	20.48218534
9372	12/01/2021	1	1.4	1.4.3.3	-	788	79	20.2	32	6.2	23.4	5.6	198	131.0	66.05	74.43	1	1	0	0	0	8.38	11.26011418
9373	12/01/2021	1	1.4	1.4.3.3	-	825	24	30.4	32	4	26	5.6	128	145.6	113.75	74.67	1	1	1	1	1	-39.08	-52.34511022
9374	12/01/2021	1	1.4	1.4.3.3	-	865	71	55.4	32	4.9	20.2	2.4	157	48.5	30.92	74.92	1	1	1	1	1	44.00	58.7325921
9375	12/01/2021	1	1.4	1.4.3.3	-	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
9376	12/01/2021	1	1.4	1.4.3.3	22011011275111	758	76	55.7	32	2.3	23.4	2.4	74	56.2	76.30	74.24	0	0	0	0	0	-2.07	-2.784517501
9377	12/01/2021	1	1.3	1.3.5.3	22011010783616	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9378	12/01/2021	1	1.3	13.5.3	-	796	30	23.6	30	4.6	20.2	3.8	138	76.8	55.62	74.48	1	1	1	1	1	18.86	25.31835435
9379	12/01/2021	1	1.3	13.5.3	22011010873612	803	32	24.8	30	3.9	17.6	2.9	117	51.0	43.62	74.53	1	1	1	1	1	30.90	41.46418712
9380	12/01/2021	1	1.3	13.5.3	-	821	30	22.9	30	5.1	15.3	4.3	153	65.8	43.00	74.64	1	1	1	1	1	31.64	42.39044807
9381	12/01/2021	1	1.3	13.5.3	-	797	17	23.8	31	4.7	17.8	4	146	71.2	48.87	74.49	1	1	1	1	1	25.62	34.39436782
9382	12/01/2021	1	1.3	13.5.3	22011011174548	826	22	21.6	29	4.9	16.3	3.9	142	63.6	44.74	74.67	1	1	1	1	1	29.94	40.09017878
9383	12/01/2021	1	1.3	13.5.3	-	833	13	68.4	32	6.6	23.6	5.8	211	136.9	64.81	74.72	1	1	0	0	0	9.91	13.25878638
9384	12/01/2021	1	1.3	13.5.3	-	856	33	23.9	31	4.4	14.2	3.9	136	55.4	40.60	74.86	1	1	1	1	1	34.26	45.76704946
9385	12/01/2021	1	1.3	13.5.3	-	823	37	23.7	31	3.7	11.9	5.8	115	69.0	60.17	74.65	1	1	1	0	0	14.48	19.39479096
9386	12/01/2021	1	1.3	13.5.3	22011012580261	725	26	32.7	31	3.9	13.8	5.9	121	81.4	67.34	74.03	1	0	0	0	0	6.68	9.025324681
9387	12/01/2021	1	1.3	13.5.3	-	928	12	34.2	27	4.4	17.5	4.1	119	71.8	60.40	75.33	1	1	1	0	0	14.93	19.82016258
9388	12/01/2021	1	1.3	13.5.3	-	542	19	18.7	20	4.6	12.2	3.8	92	46.4	50.39	72.85	1	1	1	1	1	22.46	30.83324043
9389	12/01/2021	1	1.3	13.5.3	-	638	12	33.5	21	3.9	13.4	2.7	82	36.2	44.18	73.47	1	1	1	1	1	29.29	39.87164121
9390	12/01/2021	1	1.3	13.5.3	22011020282375	692	32	24.6	30	4.9	15.6	3	147	46.8	31.84	73.81	1	1	1	1	1	41.98	56.86944259
9391	12/01/2021	1	1.3	13.5.3	-	713	41	33.7	32	4.7	15.9	3.6	150	57.2	38.06	73.95	1	1	1	1	1	35.89	48.53424968
9392	12/01/2021	1	1.3	13.5.3	-	726	23	26.9	31	3.9	16.8	3.4	121	57.1	47.25	74.03	1	1	1	1	1	26.79	36.18245853
9393	12/01/2021	1	1.3	13.5.3	-	892	27	28.4	30	4.5	17.3	3.8	135	65.7	48.70	75.09	1	1	1	1	1	26.40	35.15357082
9394	12/01/2021	1	1.3	13.5.3	22011020182261	891	12	32.6	30	3.7	12.8	3.7	111	47.4	42.67	75.09	1	1	1	1	1	32.42	43.17808521
9395	12/01/2021	1	1.3	13.5.3	-	726	15	33.7	30	3.6	14.5	3.4	108	49.3	45.65	74.03	1	1	1	1	1	28.38	38.34031026
9396	12/01/2021	1	1.3	13.5.3	22011020282571	832	18	32.5	31	4.4	13.8	3.3	136	45.5	33.39	74.71	1	1	1	1	1	41.32	55.31155231
9397	12/01/2021	1	1.3	13.5.3	-	834	21	34.7	32	4.7	11.7	3.7	150	43.3	28.78	74.72	1	1	1	1	1	45.94	61.4803828
9398	12/01/2021	1	1.3	13.5.3	-	719	67	44	30	3.9	24.2		117	0.0	0.00	73.99	1	1	1	1	1	73.99	100
9399	12/01/2021	1	1.3	13.5.3	-	758	32	31	31	2.2	22.7		68	0.0	0.00	74.24	1	1	1	1	1	74.24	100
9400	12/01/2021	1	1.3	13.5.3	22011020182225	812	24	26.3	30	3.1	16.2		93	0.0	0.00	74.58	1	1	1	1	1	74.58	100
9401	12/01/2021	1	1.3	13.5.1	vspl	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
9402	12/01/2021	1	1.3	13.5.1	vspl	796	36	32.3	32	3.1	12.9		99	0.0	0.00	74.48	1	1	1	1	1	74.48	100
9403	12/01/2021	1	1.3	13.5.1	vspl	814	23	30.4	31	3	14.2		93	0.0	0.00	74.60	1	1	1	1	1	74.60	100
9404	12/01/2021	1	1.3	13.5.1	vspl	795	17	19.4	30	2.1	13.5		63	0.0	0.00	74.47	1	1	1	1	1	74.47	100
9405	12/01/2021	1	1.3	13.5.1	vspl	803	12	17.2	31	2.4	15.6		74	0.0	0.00	74.53	1	1	1	1	1	74.53	100
9406	12/01/2021	1	1.3	13.5.1	22011012580266	726	11	19.3	31	2.1	5.9		65	0.0	0.00	74.03	1	1	1	1	1	74.03	100
9407	12/01/2021	1	1.3	13.5.1	vspl	821	38	26.4	29	2.4	13.8		70	0.0	0.00	74.64	1	1	1	1	1	74.64	100

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9408	12/01/2021	1	1.3	1.3.5.1	22011011074384	722	32	28.9	31	3	12.7		93	0.0	0.00	74.01	1	1	1	1	1	74.01	100
9409	12/01/2021	1	1.3	1.3.5.1	vspl	719	42	31.3	28	2.9	13.4		81	0.0	0.00	73.99	1	1	1	1	1	73.99	100
9410	12/01/2021	1	1.3	1.3.5.1	22011012580253	778	32	26.4	20	2.4	19.3		48	0.0	0.00	74.37	1	1	1	1	1	74.37	100
9411	12/01/2021	1	1.3	1.3.5.1	vspl	776	22	22.4	30	1.9	9.9		57	0.0	0.00	74.35	1	1	1	1	1	74.35	100
9412	12/01/2021	1	1.3	1.3.5.1	22011012580234	772	26	28.1	32	1.7	12.5		54	0.0	0.00	74.33	1	1	1	1	1	74.33	100
9413	12/01/2021	1	1.3	1.3.5.1	vspl	761	101	68.2	21	5.07	16.3	4.59	106	74.8	70.27	74.26	1	0	0	0	0	3.99	5.367754521
9414	12/01/2021	1	1.3	1.3.5.1	2201101258059	863	129	56.7	32	6.06	21	5.28	194	110.9	57.18	74.91	1	1	1	1	0	17.73	23.66996601
9415	12/01/2021	1	1.3	1.3.5.1	vspl	871	73	39.8	32	5.91	14.3	5.3	189	75.8	40.08	74.96	1	1	1	1	1	34.89	46.5383261
9416	12/01/2021	1	1.3	1.3.5.1	2201101288234	920	135	59.3	31	6.28	21.9	5.41	195	118.5	60.86	75.27	1	1	1	0	0	14.42	19.15092645
9417	12/01/2021	1	1.3	1.3.5.1	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9418	12/01/2021	1	1.3	1.3.5.1	vspl	966	98	63.6	30	6.99	14.6	6.3	210	92.0	43.86	75.57	1	1	1	1	1	31.71	41.95634558
9419	12/01/2021	1	1.3	1.3.5.1	vspl	891	99	62.7	19	6.07	14.3	6.34	115	90.7	78.61	75.09	0	0	0	0	0	-3.52	-4.691193996
9420	12/01/2021	1	1.3	1.3.5.1	2201101202855	967	137	57.6	30	6.81	23.1	5.1	204	117.8	57.67	75.57	1	1	1	1	0	17.91	23.6978487
9421	12/01/2021	1	1.3	1.3.5.1	vspl	994	100	61.4	20	7.03	14.3	6.39	141	91.4	64.99	75.75	1	1	0	0	0	10.76	14.20090681
9422	12/01/2021	1	1.3	1.3.5.1	vspl	991	94	57.1	20	7.24	13.8	6.26	145	86.4	59.66	75.73	1	1	1	1	0	16.07	21.21816783
9423	12/01/2021	1	1.3	1.3.5.1	vspl	998	104	60.2	30	7.15	23.7	6.8	215	161.2	75.13	75.77	0	0	0	0	0	0.64	0.845065098
9424	12/01/2021	1	1.3	1.3.5.1	22011012281729	981	102	62.9	20	7.16	14.2	6.53	143	92.7	64.75	75.66	1	1	0	0	0	10.91	14.4210576
9425	12/01/2021	1	1.3	1.3.5.2	vspl	950	107	68.2	21	6.1	15.1	5.68	128	85.8	66.95	75.47	1	1	0	0	0	8.51	11.27932813
9426	12/01/2021	1	1.3	1.3.5.2	vspl	1046	133	63.8	30	7.37	22.6	6.51	221	147.1	66.54	76.08	1	1	0	0	0	9.54	12.53628945
9427	12/01/2021	1	1.3	1.3.5.2	vspl	1050	132	61.2	30	6.89	22.7	5.76	207	130.8	63.26	76.11	1	1	1	0	0	12.85	16.88317078
9428	12/01/2021	1	1.3	1.3.5.2	22011020182234	987	101	42.6	30	7.01	16.9	5.51	210	93.1	44.28	75.70	1	1	1	1	1	31.42	41.50926378
9429	12/01/2021	1	1.3	1.3.5.2	vspl	1032	41	43.9	32	7.08	15.7	6.4	227	100.5	44.35	75.99	1	1	1	1	1	31.64	41.63730019
9430	12/01/2021	1	1.3	1.3.5.2	220112018234	828	80	65.4	19	3.79	14.8	3.44	72	50.9	70.70	74.69	1	0	0	0	0	3.98	5.334267717
9431	12/01/2021	1	1.3	1.3.5.2	vspl	1033	111	52.8	31	6.61	23	4.74	205	109.0	53.20	76.00	1	1	1	1	1	22.79	29.99236078
9432	12/01/2021	1	1.3	1.3.5.2	vspl	1053	113	47.4	31	7.43	19.9	5.45	230	108.5	47.09	76.13	1	1	1	1	1	29.04	38.14559631
9433	12/01/2021	1	1.3	1.3.5.2	vspl	889	101	66.2	28	6.47	14.4	5.92	181	85.2	47.06	75.08	1	1	1	1	1	28.02	37.32085336
9434	12/01/2021	1	1.3	1.3.5.2	vspl	912	89	62.3	30	6.6	14.2	5.95	198	84.5	42.67	75.22	1	1	1	1	1	32.55	43.27289443
9435	12/01/2021	1	1.3	1.3.5.2	vspl	1074	128	53	30	7.53	21.2	5.85	226	124.0	54.90	76.26	1	1	1	1	1	21.36	28.00854134
9436	12/01/2021	1	1.3	1.3.5.2	2201101202429	973	121	52.7	30	6.7	20.4	5.32	201	108.5	53.99	75.61	1	1	1	1	1	21.62	28.59179369
9437	12/01/2021	1	1.3	1.3.5.2	vspl	786	121	55.7	32	5.37	21.1	4.61	172	97.3	56.61	74.42	1	1	1	1	0	17.81	23.93402084

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9438	12/01/2021	1	1.3	13.5.2	vspl	766	98	63.5	30	5.51	14.8	5.02	165	74.3	44.95	74.29	1	1	1	1	1	29.34	39.49774326
9439	12/01/2021	1	1.3	13.5.2	vspl	806	111	67.1	23	5.83	16.6	5.4	134	89.6	66.85	74.54	1	1	0	0	0	7.69	10.32106675
9440	12/01/2021	1	1.3	13.5.2	vspl	839	110	65.9	30	6.02	16.5	5.37	181	88.6	49.06	74.76	1	1	1	1	1	25.69	34.3708541
9441	12/01/2021	1	1.3	13.5.2	22011010773272	819	104	63.7	22	6.13	15.9	5.57	135	88.6	65.67	74.63	1	1	0	0	0	8.96	12.00263069
9442	12/01/2021	1	1.3	13.5.2	vspl	577	106	67.1	21	6.22	16	5.56	131	89.0	68.11	73.08	1	0	0	0	0	4.97	6.80476936
9443	12/01/2021	1	1.3	13.5.2	2201101280182	741	92	43.4	32	6.34	15.2	5.88	203	89.4	44.05	74.13	1	1	1	1	1	30.07	40.57118761
9444	12/01/2021	1	1.3	13.5.2	vspl	990	105	64.2	22	6.5	16.1	5.19	143	83.6	58.43	75.72	1	1	1	1	0	17.29	22.83237747
9445	12/01/2021	1	1.3	13.5.2	vspl	1013	138	57.1	31	7.26	20.8	6.31	225	131.2	58.32	75.87	1	1	1	1	0	17.55	23.13495691
9446	12/01/2021	1	1.3	13.5.2	vspl	1119	111	62.4	21	7.91	15.4	7.11	166	109.5	65.92	76.55	1	1	0	0	0	10.63	13.88814109
9447	12/01/2021	1	1.3	13.5.4	-	1114	106	63.8	21	7.75	15.4	7.08	163	109.0	66.99	76.52	1	1	0	0	0	9.52	12.44458857
9448	12/01/2021	1	1.3	13.5.4	vspl22011012982728	1109	89	54.8	20	7.88	13.3	6.8	158	90.4	57.39	76.48	1	1	1	1	0	19.10	24.9698147
9449	12/01/2021	1	1.3	13.5.4	-	1027	100	32.1	21	7.38	15.2	6.72	155	102.1	65.91	75.96	1	1	0	0	0	10.05	13.23209545
9450	12/01/2021	1	1.3	13.5.4	-	765	90	54.6	20	6.44	13.9	5.3	129	73.7	57.20	74.28	1	1	1	1	0	17.08	22.99991254
9451	12/01/2021	1	1.3	13.5.4	-	1026	124	60.9	31	7.64	24.2	6.1	237	147.6	62.33	75.95	1	1	1	0	0	13.62	17.93676239
9452	12/01/2021	1	1.3	13.5.4	-	1201	120	48.7	30	8.29	18.2	6.91	249	125.8	50.57	77.07	1	1	1	1	1	26.50	34.38928551
9453	12/01/2021	1	1.3	13.5.4	-	1015	102	60.9	20	8.93	14.2	7.9	179	112.2	62.81	75.88	1	1	1	0	0	13.07	17.22575805
9454	12/01/2021	1	1.3	13.5.4	vspl22011020182239	528	101	66.1	19	4.46	15	3.99	85	59.9	70.63	72.77	0	0	0	0	0	2.14	2.937389452
9455	12/01/2021	1	1.3	13.5.4	-	820	128	NA	30	5.56	20.9	5.92	167	123.7	74.18	74.63	0	0	0	0	0	0.46	0.611707756
9456	12/01/2021	1	1.3	13.5.4	-	1057	95	59.5	21	7.06	14.9	6.2	148	92.4	62.31	76.15	1	1	1	0	0	13.84	18.1762288
9457	12/01/2021	1	1.3	13.5.4	vspl22011012580272	1055	97	61.7	30	7.03	15	6.29	211	94.4	44.74	76.14	1	1	1	1	1	31.40	41.24242546
9458	12/01/2021	1	1.3	13.5.4	-	1082	137	57.9	30	7.58	31.1	6.54	227	203.4	89.44	76.31	1	1	1	0	0	-13.13	-17.20919158
9459	12/01/2021	1	1.3	13.5.4	-	1061	125	54.7	30	7.67	23.7	5.48	230	129.9	56.44	76.18	1	1	1	1	1	19.73	25.9044986
9460	12/01/2021	1	1.3	13.5.4	-	1055	101	62.6	20	7.62	14.2	6.91	152	98.1	64.38	76.14	1	1	1	0	0	11.75	15.43708209
9461	12/01/2021	1	1.3	13.5.4	-	1053	100	60.1	30	7.76	14.2	6.86	233	97.4	41.84	76.13	1	1	1	1	1	34.28	45.0331262
9462	12/01/2021	1	1.3	13.5.4	vspl22011011773277	1054	108	67.9	30	7.4	23.3	6.63	222	154.5	69.59	76.13	1	0	0	0	0	6.55	8.59887992
9463	12/01/2021	1	1.3	13.5.4	-	1046	135	59.4	30	7.18	21.9	6.3	215	138.0	64.05	76.08	1	1	1	0	0	12.03	15.80890112
9464	12/01/2021	1	1.3	13.5.4	-	831	134	54.7	32	6.22	20.9	5.31	199	111.0	55.76	74.70	1	1	1	1	1	18.95	25.36298499
9465	12/01/2021	1	1.3	13.5.4	-	980	138	62.4	30	7.22	24.9	5.74	217	142.9	65.99	75.66	1	1	0	0	0	9.67	12.78364537

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9466	12/01/2021	1	1.3	1.3.5.4	vspl22011012780852	885	129	53.2	31	7.07	20.8	5.7	219	118.6	54.09	75.05	1	1	1	1	1	20.96	27.92139273
9467	12/01/2021	1	1.3	1.3.6.1	-	925	117	48.9	31	6.93	20.4	5.28	215	107.7	50.14	75.31	1	1	1	1	1	25.17	33.4206453
9468	12/01/2021	1	1.3	1.3.6.1	-	895	131	53.6	31	7.4	22.1	5.71	229	126.2	55.01	75.11	1	1	1	1	1	20.10	26.76577693
9469	12/01/2021	1	1.3	1.3.6.1	vspl220101250149	982	131	52.8	31	7.21	20.8	5.82	224	121.1	54.16	75.67	1	1	1	1	1	21.51	28.42505291
9470	12/01/2021	1	1.3	1.3.6.1	vspl22011211074161	1012	129	53	32	7.29	20.7	5.93	233	122.8	52.62	75.86	1	1	1	1	1	23.24	30.63847002
9471	12/01/2021	1	1.3	1.3.6.1	-	1025	122	50.9	32	7.27	20.5	5.56	233	114.0	48.99	75.95	1	1	1	1	1	26.95	35.48817047
9472	12/01/2021	1	1.3	1.3.6.1	vspl22011375844	1026	125	53.8	30	7.08	20.1	5.67	212	114.0	53.66	75.95	1	1	1	1	1	22.30	29.35472788
9473	12/01/2021	1	1.3	1.3.6.1	-	946	123	54.9	30	7.07	21.2	5.75	212	121.9	57.47	75.44	1	1	1	1	0	17.97	23.81682739
9474	12/01/2021	1	1.3	1.3.6.1	-	1030	123	40.1	31	7.23	20.5	5.71	224	117.1	52.23	75.98	1	1	1	1	1	23.75	31.26117235
9475	12/01/2021	1	1.3	1.3.6.1	-	1051	137	53.8	32	3.39	23.5	5.89	108	138.4	127.59	76.11	1	1	1	1	1	-51.48	-67.640159
9476	12/01/2021	1	1.3	1.3.6.1	-	1045	137	54.8	33	7.46	21.3	6.35	246	135.3	54.94	76.07	1	1	1	1	1	21.13	27.77886503
9477	12/01/2021	1	1.3	1.3.6.1	-	1049	135	57.9	32	7.33	24	5.7	235	136.8	58.32	76.10	1	1	1	1	0	17.78	23.3610104
9478	12/01/2021	1	1.3	1.3.6.1	-	1048	138	59.4	32	7.15	24.6	5.74	229	141.2	61.72	76.09	1	1	1	0	0	14.38	18.8954664
9479	12/01/2021	1	1.3	1.3.6.1	-	1053	90	36.5	31	7.26	13.9	6.02	225	83.7	37.18	76.13	1	1	1	1	1	38.94	51.15900192
9480	12/01/2021	1	1.3	1.3.6.1	-	1056	93	43.9	31	6.81	19.6	4.81	211	94.3	44.66	76.14	1	1	1	1	1	31.49	41.35184246
9481	12/01/2021	1	1.5	1.5.4.1	vspl	1062	85	39.4	31	6.72	17.4	4.81	208	83.7	40.18	76.18	1	1	1	1	1	36.01	47.2640921
9482	12/01/2021	1	1.5	1.5.4.1	vspl	1064	113	55.4	31	6.89	23.4	5.12	214	119.8	56.09	76.20	1	1	1	1	1	20.10	26.38352648
9483	12/01/2021	1	1.5	1.5.4.1	vspl	1064	86	58.4	20	5.78	17.9	5.1	116	91.3	78.97	76.20	0	0	0	0	0	-2.77	-3.641927139
9484	12/01/2021	1	1.5	1.5.4.1	220112970145	1069	99	61.7	31	7.49	15	6.65	232	99.8	42.96	76.23	1	1	1	1	1	33.27	43.64179578
9485	12/01/2021	1	1.5	1.5.4.1	vspl	1074	138	61.7	31	7.06	22.2	6.23	219	138.3	63.19	76.26	1	1	1	0	0	13.07	17.13328875
9486	12/01/2021	1	1.5	1.5.4.1	vspl	1061	98	61.1	21	7.46	14.6	6.65	157	97.1	61.97	76.18	1	1	1	0	0	14.20	18.64281108
9487	12/01/2021	1	1.5	1.5.4.1	vspl	1035	104	62.6	21	7.21	14.5	6.56	151	95.1	62.82	76.01	1	1	1	0	0	13.19	17.34929743
9488	12/01/2021	1	1.5	1.5.4.1	220102187909	748	136	58	30	6.83	24.3	5.19	205	126.1	61.55	74.17	1	1	1	0	0	12.62	17.01785491
9489	12/01/2021	1	1.5	1.5.4.1	vspl	1008	99	60.7	21	7.45	15	6.75	156	101.3	64.72	75.84	1	1	0	0	0	11.12	14.66303868
9490	12/01/2021	1	1.5	1.5.4.1	vspl	1107	124	NA	31	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	76.47	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
9491	12/01/2021	1	1.5	1.5.4.1	vspl	1095	79	56.3	30	6.84	24.5	5.55	205	136.0	66.26	76.39	1	1	0	0	0	10.13	13.25939225
9492	12/01/2021	1	1.5	1.5.4.1	220102970144	1045	89	40.5	30	7.33	14.3	6.44	220	92.1	41.88	76.07	1	1	1	1	1	34.19	44.94960706
9493	12/01/2021	1	1.5	1.5.4.1	vspl	1060	103	63.9	30	7.47	14.9	6.8	224	101.3	45.21	76.17	1	1	1	1	1	30.96	40.64335178

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9494	12/01/2021	1	1.5	1.5.4.1	2201012286404	988	89	44.2	33	5.66	19	4.02	187	76.4	40.89	75.71	1	1	1	1	1	34.82	45.98671069
9495	12/01/2021	1	1.5	1.5.4.1	vspl	961	129	54.3	32	6.68	21.7	5.48	214	118.9	55.63	75.54	1	1	1	1	1	19.91	26.35257469
9496	12/01/2021	1	1.5	1.5.4.1	2201012218418	1002	96	61.4	21	6.82	5.15	6.05	143	31.2	21.75	75.80	1	1	1	1	1	54.04	71.29902806
9497	12/01/2021	1	1.5	1.5.4.1	vspl	990	77	33	32	6.87	13.1	5.59	220	73.2	33.31	75.72	1	1	1	1	1	42.41	56.00996455
9498	12/01/2021	1	1.5	1.5.4.1	22010122869336	995	89	33.6	32	6.93	13	5.72	222	74.4	33.53	75.75	1	1	1	1	1	42.22	55.73600598
9499	12/01/2021	1	1.5	1.5.4.1	vspl	989	89	38.1	32	6.78	17	4.89	217	83.1	38.32	75.72	1	1	1	1	1	37.40	49.3950803
9500	12/01/2021	1	1.5	1.5.4.1	2201012286227	1032	91	37.9	32	7.01	14.1	6.06	224	85.4	38.09	75.99	1	1	1	1	1	37.90	49.87403761
9501	12/01/2021	1	1.5	1.5.4.1	vspl	1052	67	69.2	32	7.17	24.2	7.77	229	188.0	81.95	76.12	1	0	0	0	0	-5.83	-7.665191625
9502	12/01/2021	1	1.5	1.5.4.1	220102297115	1038	104	64.3	20	7.15	14.8	6.8	143	100.6	70.38	76.03	1	0	0	0	0	5.65	7.433430343
9503	12/01/2021	1	1.5	1.5.4.1	vspl	1035	101	63.8	20	7.28	14.6	6.65	146	97.1	66.68	76.01	1	1	0	0	0	9.33	12.27115865
9504	12/01/2021	1	1.5	1.5.4.1	22010122970149	767	103	63.3	21	5.32	15.6	4.79	112	74.7	66.89	74.29	1	0	0	0	0	7.41	9.973416959
9505	12/01/2021	1	1.5	1.5.4.2	22010122889264	761	83	52.6	31	5.1	15.5	4.67	158	72.4	45.78	74.26	1	1	1	1	1	28.47	38.34293916
9506	12/01/2021	1	1.5	1.5.4.2	22010122669344	760	105	66.6	20	5.4	15.4	4.81	108	74.1	68.59	74.25	1	0	0	0	0	5.66	7.626886145
9507	12/01/2021	1	1.5	1.5.4.2	-	744	106	68.3	20	5.29	15.6	4.85	106	75.7	71.51	74.15	0	0	0	0	0	2.64	3.554144255
9508	12/01/2021	1	1.5	1.5.4.2	-	667	137	69.3	31	4.37	24.6	3.95	135	97.2	71.73	73.65	0	0	0	0	0	1.93	2.615908437
9509	12/01/2021	1	1.5	1.5.4.2	-	824	101	64.1	23	5.68	16.4	5.07	131	83.1	63.65	74.66	1	1	0	0	0	11.01	14.75086582
9510	12/01/2021	1	1.5	1.5.4.2	22011022187916	828	104	66.9	23	5.5	16.6	5.08	127	84.3	66.66	74.69	1	1	0	0	0	8.02	10.74208733
9511	13/01/2021	1	1.5	1.5.4.2	-	832	110	66.9	32	5.9	24.5	5.25	189	128.6	68.13	74.71	1	0	0	0	0	6.58	8.811512787
9512	13/01/2021	1	1.5	1.5.4.2	-	834	104	63.9	32	5.63	25.1	4.64	180	116.5	64.64	74.72	1	1	0	0	0	10.08	13.48816142
9513	13/01/2021	1	1.5	1.5.4.2	-	854	101	63.6	23	5.75	16.3	5.08	132	82.8	62.61	74.85	1	1	1	0	0	12.24	16.35219524
9514	13/01/2021	1	1.5	1.5.4.2	22010122869349	1023	103	64.6	22	6.92	15.6	6.31	152	98.4	64.66	75.93	1	1	0	0	0	11.27	14.8482692
9515	13/01/2021	1	1.5	1.5.4.2	-	1046	120	54.7	32	6.93	24.1	5.04	222	121.5	54.77	76.08	1	1	1	1	1	21.31	28.00678325
9516	13/01/2021	1	1.5	1.5.4.2	-	1043	100	66.5	21	6.78	15.3	6.38	142	97.6	68.56	76.06	1	0	0	0	0	7.50	9.863654075
9517	13/01/2021	1	1.5	1.5.4.2	-	1040	91	58.8	22	6.64	14.5	6.4	146	92.8	63.53	76.04	1	1	1	0	0	12.52	16.45822754
9518	13/01/2021	1	1.5	1.5.4.2	22010122869344	1030	96	60	31	7.57	14.9	6.2	235	92.4	39.37	75.98	1	1	1	1	1	36.61	48.18774106
9519	13/01/2021	1	1.5	1.5.4.2	-	1027	99	64.3	21	6.8	14.7	6.46	143	95.0	66.50	75.96	1	1	0	0	0	9.46	12.45254006
9520	13/01/2021	1	1.5	1.5.4.2	-	1034	101	NA	21	6.99	15.5	6.33	147	98.1	66.84	76.00	1	1	0	0	0	9.16	12.05629178
9521	13/01/2021	1	1.5	1.5.4.2	-	1029	101	62.2	21	7.02	15.2	6.3	147	95.8	64.96	75.97	1	1	0	0	0	11.01	14.49796377
9522	13/01/2021	1	1.5	1.5.4.2	22010122869342	1025	94	60.4	21	6.73	14.8	6	141	88.8	62.83	75.95	1	1	1	0	0	13.11	17.26796598
9523	13/01/2021	1	1.5	1.5.4.2	-	1045	94	59	21	7.05	14.4	6.24	148	89.9	60.69	76.07	1	1	1	1	0	15.38	20.2184595

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9524	13/01/2021	1	1.5	1.5.4.2	-	1025	135	62.8	30	6.47	21.7	5.88	194	127.6	65.74	75.95	1	1	0	0	0	10.21	13.44211829
9525	13/01/2021	1	1.5	1.5.4.2	22011022187923	1037	101	61.6	21	7.14	15.1	6.35	150	95.9	63.95	76.02	1	1	1	0	0	12.07	15.88192898
9526	13/01/2021	1	1.5	1.5.4.2	-	1038	104	63.2	21	7.1	15.1	6.49	149	98.0	65.73	76.03	1	1	0	0	0	10.30	13.55028221
9527	13/01/2021	1	1.5	1.5.4.2	220110122970116	1046	102	62.5	21	7.08	15.1	6.46	149	97.5	65.61	76.08	1	1	0	0	0	10.47	13.76488922
9528	13/01/2021	1	1.3	1.3.6.2	vspl	1052	97	41.7	30	6.99	14.5	6.12	210	88.7	42.32	76.12	1	1	1	1	1	33.80	44.40585431
9529	13/01/2021	1	1.3	1.3.6.2	vspl	1053	96	44.8	30	6.39	14.8	5.96	192	88.2	46.01	76.13	1	1	1	1	1	30.11	39.55541285
9530	13/01/2021	1	1.3	1.3.6.2	vspl	1036	124	53	20	7.3	20.1	5.96	146	119.8	82.05	76.02	1	0	0	0	0	-6.04	-7.93993769
9531	13/01/2021	1	1.3	1.3.6.2	2201102082267	1025	120	60.1	30	6.37	20.2	5.94	191	120.0	62.79	75.95	1	1	1	0	0	13.16	17.32537714
9532	13/01/2021	1	1.3	1.3.6.2	vspl	1047	80	31	20	7.26	12.5	5.82	145	72.8	50.10	76.09	1	1	1	1	1	25.98	34.1498055
9533	13/01/2021	1	1.3	1.3.6.2	2201101202930550	1047	116	49.7	30	7.18	19	5.9	215	112.1	52.04	76.09	1	1	1	1	1	24.04	31.60086738
9534	13/01/2021	1	1.3	1.3.6.2	vspl	1058	109	46.3	30	7.42	18.7	5.73	223	107.2	48.14	76.16	1	1	1	1	1	28.02	36.79373901
9535	13/01/2021	1	1.3	1.3.6.2	220110120182252	1057	82	39.1	30	6.72	17.3	4.63	202	80.1	39.73	76.15	1	1	1	1	1	36.42	47.82504343
9536	13/01/2021	1	1.3	1.3.6.2	vspl	1040	90	36.6	30	7.32	13.3	6.25	220	83.1	37.85	76.04	1	1	1	1	1	38.19	50.22104312
9537	13/01/2021	1	1.3	1.3.6.2	22011020182278	1039	82	33.8	30	7.23	13	5.84	217	75.9	35.00	76.04	1	1	1	1	1	41.03	53.96589859
9538	13/01/2021	1	1.3	1.3.6.2	vspl	1039	75	35.8	30	6.46	16.8	4.28	194	71.9	37.10	76.04	1	1	1	1	1	38.93	51.20421594
9539	13/01/2021	1	1.3	1.3.6.2	22011022082588	1030	109	46.1	20	7.33	18.2	5.77	147	105.0	71.63	75.98	1	0	0	0	0	4.34	5.718740942
9540	13/01/2021	1	1.3	1.3.6.2	vspl	1029	93	41.3	30	6.9	16.2	5.43	207	88.0	42.50	75.97	1	1	1	1	1	33.48	44.0637657
9541	13/01/2021	1	1.3	1.3.6.2	vspl	1015	85	39	30	6.76	17.1	4.75	203	81.2	40.05	75.88	1	1	1	1	1	35.83	47.21834539
9542	13/01/2021	1	1.3	1.3.6.2	vspl	701	107	66.2	20	4.96	14.7	4.54	99	66.7	67.28	73.87	1	0	0	0	0	6.60	8.929167487
9543	13/01/2021	1	1.3	1.3.6.2	22011020290563	840	106	47.2	32	5.85	19.1	4.58	187	87.5	46.73	74.76	1	1	1	1	1	28.03	37.49538421
9544	13/01/2021	1	1.3	1.3.6.2	vspl	825	129	54.6	31	5.84	21	4.82	181	101.2	55.91	74.67	1	1	1	1	1	18.76	25.11947062
9545	13/01/2021	1	1.3	1.3.6.2	22011020282597	821	134	57.7	31	5.8	21.3	4.97	180	105.9	58.88	74.64	1	1	1	1	0	15.76	21.11901108
9546	13/01/2021	1	1.3	1.3.6.2	vspl	823	135	58.8	31	5.78	21.4	5.02	179	107.4	59.96	74.65	1	1	1	0	0	14.70	19.68816854
9547	13/01/2021	1	1.3	1.3.6.2	2201102038306	831	104	50.1	31	5.01	19.02	4.11	155	78.2	50.33	74.70	1	1	1	1	1	24.37	32.62376594
9548	13/01/2021	1	1.3	1.3.6.2	vspl	605	89	48.2	30	4.27	18.8	3.42	128	64.3	50.19	73.26	1	1	1	1	1	23.07	31.4859299
9549	13/01/2021	1	1.3	1.3.6.2	22011020382949	827	93	62.3	23	5.13	16.5	4.43	118	73.1	61.95	74.68	1	1	1	0	0	12.73	17.04450893
9550	13/01/2021	1	1.3	1.3.6.2	vspl	1021	115	55.8	30	6.3	23.5	4.7	189	110.5	58.44	75.92	1	1	1	1	0	17.48	23.02575666
9551	13/01/2021	1	1.3	1.3.6.2	2201102028633	1020	94	64	20	6.62	15	5.92	132	88.8	67.07	75.91	1	1	0	0	0	8.84	11.65070158
9552	13/01/2021	1	1.3	1.3.6.4	vspl	887	98	66.5	21	5.9	15.7	5.32	124	83.5	67.41	75.06	1	1	0	0	0	7.65	10.19196009
9553	13/01/2021	1	1.3	1.3.6.4	22011011777037	887	86	43.6	32	5.98	15.5	5.3	191	82.2	42.93	75.06	1	1	1	1	1	32.13	42.80847923

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9554	13/01/2021	1	1.3	1.3.6.4	22011020282939	886	91	63.2	21	5.84	14.8	5.28	123	78.1	63.72	75.06	1	1	1	0	0	11.34	15.10624063
9555	13/01/2021	1	1.3	1.3.6.4	22011012981591	881	100	65.7	21	6.19	14.2	5.64	130	80.1	61.61	75.02	1	1	1	0	0	13.41	17.87885922
9556	13/01/2021	1	1.3	1.3.6.4	-	919	97	62.6	21	6.12	15.5	5.52	129	85.6	66.57	75.27	1	1	0	0	0	8.69	11.5511907
9557	13/01/2021	1	1.3	1.3.6.4	-	1033	102	62.8	30	7.38	15.7	6.62	221	103.9	46.94	76.00	1	1	1	1	1	29.05	38.22931269
9558	13/01/2021	1	1.3	1.3.6.4	-	1034	123	56	30	6.85	23.7	5.1	206	120.9	58.82	76.00	1	1	1	1	0	17.19	22.61219436
9559	13/01/2021	1	1.3	1.3.6.4	22011020182264	1048	135	62.8	30	6.82	23.8	5.57	205	132.6	64.79	76.09	1	1	0	0	0	11.30	14.85077987
9560	13/01/2021	1	1.3	1.3.6.4	-	1039	136	64	30	6.67	22.7	5.7	200	129.4	64.66	76.04	1	1	0	0	0	11.37	14.95737698
9561	13/01/2021	1	1.3	1.3.6.4	-	955	134	63.5	31	6.32	23.8	5.19	196	123.5	63.05	75.50	1	1	1	0	0	12.45	16.49161288
9562	13/01/2021	1	1.3	1.3.6.4	-	962	76	50.2	30	6.6	12.6	5.56	198	70.1	35.38	75.54	1	1	1	1	1	40.16	53.16321584
9563	13/01/2021	1	1.3	1.3.6.4	22011020782605	961	119	52.5	31	6.54	19.5	5.62	203	109.6	54.05	75.54	1	1	1	1	1	21.48	28.43919755
9564	13/01/2021	1	1.3	1.3.6.4	-	980	88	42.4	31	6.1	17.9	4.58	189	82.0	43.35	75.66	1	1	1	1	1	32.30	42.69769083
9565	13/01/2021	1	1.3	1.3.6.4	-	985	96	46	30	6.67	14.1	5.99	200	84.5	42.21	75.69	1	1	1	1	1	33.48	44.23517532
9566	13/01/2021	1	1.3	1.3.6.4	-	738	96	62.1	20	5.3	14.6	4.7	106	68.6	64.74	74.11	1	1	0	0	0	9.37	12.64802608
9567	13/01/2021	1	1.3	1.3.6.4	22011020282562	728	104	67.5	30	5.09	15.7	4.65	153	73.0	47.81	74.05	1	1	1	1	1	26.24	35.43210059
9568	13/01/2021	1	1.3	1.3.6.4	-	677	106	66.4	20	4.91	15.7	4.43	98	69.6	70.83	73.72	0	0	0	0	0	2.89	3.924283113
9569	13/01/2021	1	1.3	1.3.6.4	-	706	95	67.5	30	4.29	23.6	4.6	129	108.6	84.35	73.90	1	1	0	0	0	-10.45	-14.1355648
9570	13/01/2021	1	1.3	1.3.6.4	-	822	106	62.1	22	5.96	15.7	5.35	131	84.0	64.06	74.65	1	1	0	0	0	10.59	14.1830058
9571	13/01/2021	1	1.3	1.3.6.4	22011020282670	889	101	66.7	21	5.83	15.7	5.22	122	82.0	66.94	75.08	1	1	0	0	0	8.14	10.8372419
9572	13/01/2021	1	1.3	1.3.6.4	-	888	104	68.8	31	5.59	23.7	5.1	173	120.9	69.75	75.07	1	0	0	0	0	5.32	7.08555594
9573	13/01/2021	1	1.3	1.3.6.4	-	790	106	66.8	20	5.65	15.3	5.14	113	78.6	69.59	74.44	1	0	0	0	0	4.85	6.511525395
9574	13/01/2021	1	1.3	1.3.6.4	-	862	126	54.4	32	5.76	24.1	4.61	184	111.1	60.28	74.90	1	1	1	0	0	14.63	19.52750742
9575	13/01/2021	1	1.3	1.3.6.4	22010020382952	886	106	65.2	21	6.42	15.4	5.8	135	89.3	66.25	75.06	1	1	0	0	0	8.81	11.73131402
9576	13/01/2021	1	1.3	1.3.4.4	-	903	89	45.1	28	6.38	15	5.47	179	82.1	45.93	75.17	1	1	1	1	1	29.23	38.89411225
9577	13/01/2021	1	1.3	1.3.4.4	2201101174810	916	100	64.7	21	6.29	15.4	5.58	132	85.9	65.06	75.25	1	1	0	0	0	10.19	13.54547887
9578	13/01/2021	1	1.3	1.3.4.4	-	924	103	44.8	32	6.65	16.8	6.1	213	102.5	48.16	75.30	1	1	1	1	1	27.14	36.04495278
9579	13/01/2021	1	1.3	1.3.4.4	-	916	96	43.8	31	6.51	15.4	5.87	202	90.4	44.79	75.25	1	1	1	1	1	30.45	40.47233196
9580	13/01/2021	1	1.3	1.3.4.4	22011011279096	945	114	47.8	31	6.7	19.5	5.2	208	101.4	48.82	75.43	1	1	1	1	1	26.61	35.28062404
9581	13/01/2021	1	1.3	1.3.4.4	-	755	73	44.6	32	5.36	16	4.88	172	78.1	45.52	74.22	1	1	1	1	1	28.70	38.66395206
9582	13/01/2021	1	1.3	1.3.4.4	-	750	106	68.6	32	5.3	16	4.91	170	78.6	46.32	74.19	1	1	1	1	1	27.87	37.56132597
9583	13/01/2021	1	1.3	1.3.4.4	-	805	103	65.6	21	5.65	15.7	5.06	119	79.4	66.95	74.54	1	1	0	0	0	7.58	10.17345596

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9584	13/01/2021	1	1.3	1.3.4.4	22011011576778	980	104	63.2	30	7.03	16.3	6.24	211	101.7	48.23	75.66	1	1	1	1	1	27.43	36.25578787
9585	13/01/2021	1	1.3	1.3.4.4	-	1014	106	43.4	31	7.11	14.9	6.58	220	98.0	44.48	75.88	1	1	1	1	1	31.39	41.37555705
9586	13/01/2021	1	1.3	1.3.4.4	-	1004	103	64.9	20	6.91	15.2	6.22	138	94.5	68.41	75.81	1	0	0	0	0	7.40	9.761832552
9587	13/01/2021	1	1.3	1.3.4.4	-	1003	116	48.8	30	7	19.5	5.56	210	108.4	51.63	75.81	1	1	1	1	1	24.18	31.89310044
9588	13/01/2021	1	1.3	1.3.4.4	22011011275033	787	138	57.3	31	5.49	21.8	4.53	170	98.8	58.03	74.42	1	1	1	1	0	16.40	22.03231276
9589	13/01/2021	1	1.3	1.3.4.4	-	757	132	61.3	30	5.05	21.6	4.5	152	97.2	64.16	74.23	1	1	0	0	0	10.07	13.5690093
9590	13/01/2021	1	1.3	1.3.4.4	-	743	126	55.1	31	5.3	20.6	4.48	164	92.3	56.17	74.14	1	1	1	1	0	17.97	24.23858804
9591	13/01/2021	1	1.3	1.3.4.4	-	745	129	56.1	31	5.26	21	4.47	163	93.9	57.57	74.15	1	1	1	1	0	16.59	22.36728097
9592	13/01/2021	1	1.3	1.3.4.4	2201011074171	963	100	61.4	21	6.97	14.5	6.19	146	89.8	61.32	75.55	1	1	1	0	0	14.23	18.83352066
9593	13/01/2021	1	1.3	1.3.4.4	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9594	13/01/2021	1	1.3	1.3.4.4	-	951	105	43.3	31	7	17.4	5.48	217	95.4	43.94	75.47	1	1	1	1	1	31.53	41.77869814
9595	13/01/2021	1	1.3	1.3.4.4	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9596	13/01/2021	1	1.3	1.3.4.4	-	953	95	40.8	31	7	14.3	6.28	217	89.8	41.38	75.49	1	1	1	1	1	34.10	45.17556846
9597	13/01/2021	1	1.3	1.3.4.4	22010122869335	965	89	NA	20	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	75.56	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
9598	13/01/2021	1	1.3	1.3.4.4	-	990	103	65.5	20	6.93	15.1	6.28	139	94.8	68.42	75.72	1	0	0	0	0	7.30	9.645188428
9599	13/01/2021	1	1.3	1.3.4.4	22010122869343	1008	120	66.5	32	7.45	18.8	5.94	238	111.7	46.84	75.84	1	1	1	1	1	28.99	38.23310739
9600	13/01/2021	1	1.3	1.3.4.2	vspl	1003	137	25.6	32	4.59	20.1	6.31	147	126.8	86.35	75.81	1	1	0	0	0	-10.54	-13.91049915
9601	13/01/2021	1	1.3	1.3.4.2	vspl	1003	92	36.3	32	7.39	16.9	5.09	236	86.0	36.38	75.81	1	1	1	1	1	39.43	52.01438422
9602	13/01/2021	1	1.3	1.3.4.2	vspl	1004	119	47.5	31	7.38	18.5	5.96	229	110.3	48.19	75.81	1	1	1	1	1	27.62	36.4282349
9603	13/01/2021	1	1.3	1.3.4.2	2201102279059	1000	94	38.6	32	7.21	17.1	5.15	231	88.1	38.17	75.79	1	1	1	1	1	37.62	49.63496839
9604	13/01/2021	1	1.3	1.3.4.2	vspl	1001	134	60.1	31	6.77	21	6	210	126.0	60.04	75.79	1	1	1	1	0	15.76	20.78735353
9605	13/01/2021	1	1.3	1.3.4.2	22011012274098	1001	106	40.2	30	7.26	17.8	5.85	218	104.1	47.81	75.79	1	1	1	1	1	27.98	36.91990575
9606	13/01/2021	1	1.3	1.3.4.2	vspl	1012	98	66.9	30	7.12	16.2	5.07	214	82.1	38.45	75.86	1	1	1	1	1	37.41	49.31343532
9607	13/01/2021	1	1.3	1.3.4.2	22011011275028	989	119	84.7	30	7.2	18.7	5.85	216	109.4	50.65	75.72	1	1	1	1	1	25.07	33.11043783
9608	13/01/2021	1	1.3	1.3.4.2	vspl	1002	130	52.3	30	7.3	19.4	6.2	219	120.3	54.92	75.80	1	1	1	1	1	20.88	27.54189456
9609	13/01/2021	1	1.3	1.3.4.2	22011011275033	997	98	35.6	30	7.32	16.2	5.07	220	82.1	37.40	75.77	1	1	1	1	1	38.37	50.63584664
9610	13/01/2021	1	1.3	1.3.4.2	vspl	990	89	34.2	30	7.28	16.3	4.75	218	77.4	35.45	75.72	1	1	1	1	1	40.27	53.18268492
9611	13/01/2021	1	1.3	1.3.4.2	2201101174567	987	87	35.7	30	7.19	15.8	5.07	216	80.1	37.14	75.70	1	1	1	1	1	38.57	50.94277723
9612	13/01/2021	1	1.3	1.3.4.2	vspl	976	83	34.1	30	7.32	12.9	6.03	220	77.8	35.42	75.63	1	1	1	1	1	40.21	53.16540114
9613	13/01/2021	1	1.3	1.3.4.2	2201101174170	983	79	34.2	30	7.03	20.9	5.88	211	122.9	58.27	75.68	1	1	1	1	0	17.41	23.00155097

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9614	13/01/2021	1	1.3	1.3.4.2	vspl	715	108	33.5	31	6.01	18.6	4.3	186	80.0	42.93	73.96	1	1	1	1	1	31.03	41.95877264
9615	13/01/2021	1	1.3	1.3.4.2	22011011074127	816	100	45.7	32	5.64	18.2	4.53	180	82.4	45.68	74.61	1	1	1	1	1	28.93	38.77161827
9616	13/01/2021	1	1.3	1.3.4.2	vspl	748	41	51.2	31	5.29	19.2	4.39	164	84.3	51.40	74.17	1	1	1	1	1	22.77	30.70508487
9617	13/01/2021	1	1.3	1.3.4.2	2201101174176	738	93	42.4	31	5.63	17.8	4.27	175	76.0	43.55	74.11	1	1	1	1	1	30.56	41.23676944
9618	13/01/2021	1	1.3	1.3.4.2	vspl	707	100	47.9	31	5.26	18.5	4.31	163	79.7	48.90	73.91	1	1	1	1	1	25.01	33.84028015
9619	13/01/2021	1	1.3	1.3.4.2	2201101127506	770	104	59	31	4.2	19.5	3.44	130	67.1	51.52	74.31	1	1	1	1	1	22.79	30.67155943
9620	13/01/2021	1	1.3	1.3.4.2	vspl	629	100	47.9	31	4.86	18.7	3.95	151	73.9	49.03	73.41	1	1	1	1	1	24.38	33.21544301
9621	13/01/2021	1	1.3	1.3.4.2	220110112286930	717	87	59.4	20	4.63	14	4.11	93	57.5	62.14	73.97	1	1	1	0	0	11.84	16.00081522
9622	13/01/2021	1	1.3	1.3.4.2	vspl	704	129	56.3	31	5.14	20.8	4.46	159	92.8	58.22	73.89	1	1	1	1	0	15.67	21.20869199
9623	13/01/2021	1	1.3	1.3.4.2	22011011291542	699	127	53.6	31	5.2	20.4	4.35	161	88.7	55.05	73.86	1	1	1	1	1	18.81	25.46720021
9624	13/01/2021	1	1.3	1.3.6.3	22011011274975	653	125	55.4	31	4.79	20.6	4.09	148	84.3	56.74	73.57	1	1	1	1	0	16.82	22.87043161
9625	13/01/2021	1	1.3	1.3.6.3	-	865	127	51.8	32	NA	NA	4.85	#VALUE!	#VALUE!	#VALUE!	74.92	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
9626	13/01/2021	1	1.3	1.3.6.3	-	981	116	49.3	30	6.98	19.9	5.43	209	108.1	51.60	75.66	1	1	1	1	1	24.06	31.79995895
9627	13/01/2021	1	1.3	1.3.6.3	-	1007	134	64.6	31	7.28	20.5	6.1	226	125.1	55.41	75.83	1	1	1	1	1	20.42	26.92901105
9628	13/01/2021	1	1.3	1.3.6.3	22011012479810	993	123	50.3	31	7.21	22.1	5.63	224	124.4	55.67	75.74	1	1	1	1	1	20.07	26.50267575
9629	13/01/2021	1	1.3	1.3.6.3	-	994	51	60.7	31	7.3	21.9	6.38	226	139.7	61.74	75.75	1	1	1	0	0	14.01	18.48991191
9630	13/01/2021	1	1.3	1.3.6.3	2201101580198	760	116	53.2	32	5.36	19.9	4.63	172	92.1	53.72	74.25	1	1	1	1	1	20.53	27.65261445
9631	13/01/2021	1	1.3	1.3.6.3	-	761	91	45.4	30	5.93	17.3	4.47	178	77.3	43.47	74.26	1	1	1	1	1	30.79	41.46120375
9632	13/01/2021	1	1.3	1.3.6.3	-	743	108	50	31	5.34	19.1	4.44	166	84.8	51.23	74.14	1	1	1	1	1	22.91	30.90386175
9633	13/01/2021	1	1.3	1.3.6.3	22011010572442	743	112	50.6	31	5.3	19.6	4.36	164	85.5	52.01	74.14	1	1	1	1	1	22.13	29.84713917
9634	13/01/2021	1	1.3	1.3.6.3	-	737	105	49.8	31	5.22	19.1	4.33	162	82.7	51.11	74.10	1	1	1	1	1	22.99	31.03091751
9635	13/01/2021	1	1.3	1.3.6.3	-	710	112	53.4	31	4.97	19.8	4.24	154	84.0	54.49	73.93	1	1	1	1	1	19.44	26.29579636
9636	13/01/2021	1	1.3	1.3.6.3	-	701	129	68	31	4.99	21.2	4.4	155	93.3	60.30	73.87	1	1	1	0	0	13.57	18.37107275
9637	13/01/2021	1	1.3	1.3.6.3	-	669	96	49.9	31	4.71	18.9	3.94	146	74.5	51.00	73.67	1	1	1	1	1	22.67	30.76927116
9638	13/01/2021	1	1.3	1.3.6.3	-	809	126	51.1	30	5.94	19.8	5.03	178	99.6	55.89	74.56	1	1	1	1	1	18.67	25.04534533
9639	13/01/2021	1	1.3	1.3.6.3	22011012981542	1008	132	53.2	30	7.32	20.2	6.1	220	123.2	56.11	75.84	1	1	1	1	1	19.73	26.01109863
9640	13/01/2021	1	1.3	1.3.6.3	-	1008	127	51.3	30	7.3	14.9	5.98	219	89.1	40.69	75.84	1	1	1	1	1	35.15	46.3510721
9641	13/01/2021	1	1.3	1.3.6.3	-	1012	130	52.2	31	7.32	20.7	5.91	227	122.3	53.91	75.86	1	1	1	1	1	21.95	28.93493076
9642	13/01/2021	1	1.3	1.3.6.3	-	976	92	40.9	30	6.88	14.9	5.82	206	86.7	42.01	75.63	1	1	1	1	1	33.62	44.44902597
9643	13/01/2021	1	1.3	1.3.6.3	22011011274972	834	129	43.7	32	6.07	21.1	4.99	194	105.3	54.21	74.72	1	1	1	1	1	20.52	27.45849784

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9644	13/01/2021	1	1.3	1.3.6.3	22011012981543	845	102	76.1	31	6.16	5.38	6.29	191	33.8	17.72	74.79	1	1	1	1	1	57.07	76.30679811
9645	13/01/2021	1	1.3	1.3.3.4	2201120282352	844	82	42.6	30	6.05	15.2	5.44	182	82.7	45.56	74.79	1	1	1	1	1	29.23	39.08331499
9646	13/01/2021	1	1.3	1.3.3.4	22011020182355	840	132	57.4	31	5.9	21.7	4.99	183	108.3	59.20	74.76	1	1	1	1	0	15.56	20.81085333
9647	13/01/2021	1	1.3	1.3.3.4	22011012981613	845	99	46	30	5.98	18.3	4.87	179	89.1	49.68	74.79	1	1	1	1	1	25.12	33.5812264
9648	13/01/2021	1	1.3	1.3.3.4	22011012981614	867	131	57.2	31	6.23	21.7	5.27	193	114.4	59.21	74.93	1	1	1	1	0	15.72	20.97999441
9649	13/01/2021	1	1.3	1.3.3.4	22011012981693	829	128	43.9	30	6.37	20.5	5.37	191	110.1	57.61	74.69	1	1	1	1	0	17.09	22.87490767
9650	13/01/2021	1	1.3	1.3.3.4	22011012981692	982	89	36.7	31	7.1	17.7	6.12	220	108.3	49.22	75.67	1	1	1	1	1	26.45	34.96063079
9651	13/01/2021	1	1.3	1.3.3.4	22011012981698	988	120	45.4	30	6.96	20.3	5.36	209	108.8	52.11	75.71	1	1	1	1	1	23.60	31.16938085
9652	13/01/2021	1	1.3	1.3.3.4	22011012981690	966	92	34.1	30	7.07	12.7	6.11	212	77.6	36.59	75.57	1	1	1	1	1	38.98	51.58677256
9653	13/01/2021	1	1.3	1.3.3.4	22011012981679	991	89	40.5	32	6.43	17.9	6.06	206	108.5	52.72	75.73	1	1	1	1	1	23.01	30.38450383
9654	13/01/2021	1	1.3	1.3.3.4	22011012981680	993	107	49.7	31	6.34	20.3	4.87	197	98.9	50.30	75.74	1	1	1	1	1	25.44	33.5887177
9655	13/01/2021	1	1.3	1.3.3.4	22011012981683	873	115	21.5	32	6.25	19.5	5.3	200	103.4	51.68	74.97	1	1	1	1	1	23.30	31.07537093
9656	13/01/2021	1	1.3	1.3.3.4	22011012981681	993	96	58.7	21	6.54	14.4	5.73	137	82.5	60.08	75.74	1	1	1	1	0	15.66	20.6790532
9657	13/01/2021	1	1.3	1.3.3.4	220110120282539	996	112	48	30	6.29	19.5	4.99	189	97.3	51.57	75.76	1	1	1	1	1	24.19	31.93544683
9658	13/01/2021	1	1.3	1.3.3.4	22011020282548	995	104		30	6.15	19	4.79	185	91.0	49.33	75.75	1	1	1	1	1	26.43	34.884081
9659	13/01/2021	1	1.3	1.3.3.4	22011012981424	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
9660	13/01/2021	1	1.3	1.3.3.4	22011012981430	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
9661	13/01/2021	1	1.3	1.3.3.4	22011012981433	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
9662	13/01/2021	1	1.3	1.3.3.4	22011012981644	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
9663	13/01/2021	1	1.3	1.3.3.4	22011012981720	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
9664	13/01/2021	1	1.3	1.3.3.4	22011012981725	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
9665	13/01/2021	1	1.3	1.3.3.4	22011012981719	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
9666	13/01/2021	1	1.3	1.3.3.4	22011012981724	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
9667	13/01/2021	1	1.3	1.3.3.4	22011012981666	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
9668	13/01/2021	1	1.3	1.3.3.4	22011012981717	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
9669	13/01/2021	1	1.3	1.3.4.1	vspl	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
9670	13/01/2021	1	1.3	1.3.4.1	22011012981475	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
9671	13/01/2021	1	1.3	1.3.4.1	vspl	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
9672	13/01/2021	1	1.3	1.3.4.1	22011012755363	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
9673	13/01/2021	1	1.3	1.3.4.1	vspl	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9674	13/01/2021	1	1.3	1.3.4.1	22011012135387	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
9675	13/01/2021	1	1.3	1.3.4.1	vspl	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
9676	13/01/2021	1	1.3	1.3.4.1	220110572161	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
9677	13/01/2021	1	1.3	1.3.4.1	vspl	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
9678	13/01/2021	1	1.3	1.3.4.1	220110572153	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
9679	13/01/2021	1	1.3	1.3.4.1	vspl	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
9680	13/01/2021	1	1.3	1.3.4.1	220110733203	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
9681	13/01/2021	1	1.3	1.3.4.1	vspl	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
9682	13/01/2021	1	1.3	1.3.4.1	vspl	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
9683	13/01/2021	1	1.3	1.3.4.1	vspl	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
9684	13/01/2021	1	1.3	1.3.4.1	220110773198	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
9685	13/01/2021	1	1.3	1.3.4.1	220110773172	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
9686	13/01/2021	1	1.3	1.3.4.1	vspl	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
9687	13/01/2021	1	1.3	1.3.4.1	220110275051	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
9688	13/01/2021	1	1.3	1.3.4.1	vspl	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
9689	13/01/2021	1	1.3	1.3.4.1	220110270774	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
9690	13/01/2021	1	1.3	1.3.4.1	vspl	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
9691	13/01/2021	1	1.3	1.3.4.1	220112780768	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
9692	13/01/2021	1	1.3	1.3.4.3	22011012981726	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
9693	13/01/2021	1	1.3	1.3.4.3	-	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
9694	13/01/2021	1	1.3	1.3.4.3	-	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
9695	13/01/2021	1	1.3	1.3.4.3	22011012977051	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
9696	13/01/2021	1	1.3	1.3.4.3	-	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
9697	13/01/2021	1	1.3	1.3.4.3	-	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
9698	13/01/2021	1	1.3	1.3.4.3	-	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
9699	13/01/2021	1	1.3	1.3.4.3	22011010572152	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
9700	13/01/2021	1	1.3	1.3.4.3	-	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
9701	13/01/2021	1	1.3	1.3.4.3	-	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
9702	13/01/2021	1	1.3	1.3.4.3	-	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
9703	13/01/2021	1	1.3	1.3.4.3	22011010773204	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9704	13/01/2021	1	1.3	1.3.4.3	-	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
9705	13/01/2021	1	1.3	1.3.4.3	-	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
9706	13/01/2021	1	1.3	1.3.4.3	-	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
9707	13/01/2021	1	1.3	1.3.4.3	-	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
9708	13/01/2021	1	1.3	1.3.4.3	-	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
9709	13/01/2021	1	1.3	1.3.4.3	-	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
9710	13/01/2021	1	1.3	1.3.4.3	22011011275057	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
9711	13/01/2021	1	1.3	1.3.4.3	-	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
9712	13/01/2021	1	1.3	1.3.4.3	-	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
9713	13/01/2021	1	1.3	1.3.4.3	-	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
9714	13/01/2021	1	1.3	1.3.4.3	22011012780832	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
9715	13/01/2021	1	1.3	1.3.3.2	vspl	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
9716	13/01/2021	1	1.3	1.3.3.2	vspl	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
9717	13/01/2021	1	1.3	1.3.3.2	vspl	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
9718	13/01/2021	1	1.3	1.3.3.2	220112981620	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
9719	13/01/2021	1	1.3	1.3.3.2	vspl	959	150	62.4	30	7.03	21.5	6.21	211	133.5	63.31	75.52	1	1	1	0	0	12.22	16.17553371
9720	13/01/2021	1	1.3	1.3.3.2	2201102981694	963	146	61.4	30	6.98	21.2	6.19	209	131.2	62.67	75.55	1	1	1	0	0	12.88	17.04931768
9721	13/01/2021	1	1.3	1.3.3.2	vspl	976	145	58.8	30	7.13	22.6	5.7	214	128.8	60.22	75.63	1	1	1	1	0	15.41	20.37221624
9722	13/01/2021	1	1.3	1.3.3.2	22011012981646	994	100	61.4	20	7.03	14.3	6.39	141	91.4	64.99	75.75	1	1	0	0	0	10.76	14.20090681
9723	13/01/2021	1	1.3	1.3.3.2	vspl	991	94	57.1	20	7.24	13.8	6.26	145	86.4	59.66	75.73	1	1	1	1	0	16.07	21.21816783
9724	13/01/2021	1	1.3	1.3.3.2	22011012981687	990	148	60.1	30	7.13	20.6	5.7	214	117.4	54.89	75.72	1	1	1	1	1	20.83	27.50480619
9725	13/01/2021	1	1.3	1.3.3.2	vspl	998	104	60.2	30	7.15	23.7	6.8	215	161.2	75.13	75.77	0	0	0	0	0	0.64	0.845065098
9726	13/01/2021	1	1.3	1.3.3.2	22011012981684	981	102	62.9	20	7.16	14.2	6.53	143	92.7	64.75	75.66	1	1	0	0	0	10.91	14.4210576
9727	13/01/2021	1	1.3	1.3.3.2	vspl	874	149	67.2	31	5.82	23	5.3	180	121.9	67.56	74.98	1	0	0	0	0	7.42	9.889394508
9728	13/01/2021	1	1.3	1.3.3.2	2201101291132	865	148	65.5	31	5.92	22.4	5.38	184	120.5	65.67	74.92	1	1	0	0	0	9.26	12.35290398
9729	13/01/2021	1	1.3	1.3.3.2	vspl	864	150	66.6	31	5.8	23.3	5.16	180	120.2	66.87	74.92	1	1	0	0	0	8.05	10.74271487
9730	13/01/2021	1	1.3	1.3.3.2	22011012481431	827	149	66.8	31	5.46	23.3	4.94	169	115.1	68.00	74.68	1	0	0	0	0	6.68	8.939254251
9731	13/01/2021	1	1.3	1.3.3.2	vspl	950	107	68.2	21	6.1	15.1	5.68	128	85.8	66.95	75.47	1	1	0	0	0	8.51	11.27932813
9732	13/01/2021	1	1.3	1.3.3.2	22011012481712	1049	149	66.6	31	6.19	23.4	6.15	192	143.9	75.00	76.10	0	0	0	0	0	1.10	1.45008448
9733	13/01/2021	1	1.3	1.3.3.2	No Module	1046	133	63.8	30	7.37	22.6	6.51	221	147.1	66.54	76.08	1	1	0	0	0	9.54	12.53628945

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9734	13/01/2021	1	1.3	1.3.3.2	22011012981645	1050	132	61.2	30	6.89	22.7	5.76	207	130.8	63.26	76.11	1	1	1	0	0	12.85	16.88317078
9735	13/01/2021	1	1.3	1.3.3.2	vspl	1068	140	58.3	30	7.46	20.6	6.54	224	134.7	60.20	76.22	1	1	1	1	0	16.02	21.02145936
9736	13/01/2021	1	1.3	1.3.3.2	22011012981705	987	101	42.6	30	7.01	16.9	5.51	210	93.1	44.28	75.70	1	1	1	1	1	31.42	41.50926378
9737	13/01/2021	1	1.3	1.3.3.2	vspl	1001	143	57.8	30	7.81	20.8	6.83	234	142.1	60.63	75.79	1	1	1	1	0	15.16	20.00071773
9738	13/01/2021	1	1.3	1.3.3.2	22011052981498	948	148	63.2	32	6.75	24.27	6.02	216	146.1	67.64	75.45	1	1	0	0	0	7.81	10.35318729
9739	13/01/2021	1	1.3	1.3.3.1	vspl	632	144	66.9	32	3.99	24.8	3.95	128	98.0	76.72	73.43	0	0	0	0	0	-3.29	-4.483483285
9740	13/01/2021	1	1.3	1.3.3.1	vspl	663	150	62.2	31	4.39	23.5	3.71	136	87.2	64.06	73.63	1	1	0	0	0	9.56	12.99073981
9741	13/01/2021	1	1.3	1.3.3.1	vspl	1033	111	52.8	31	6.61	23	4.74	205	109.0	53.20	76.00	1	1	1	1	1	22.79	29.99236078
9742	13/01/2021	1	1.3	1.3.3.1	22011012580405	1053	113	47.4	31	7.43	19.9	5.45	230	108.5	47.09	76.13	1	1	1	1	1	29.04	38.14559631
9743	13/01/2021	1	1.3	1.3.3.1	vspl	889	101	66.2	28	6.47	14.4	5.92	181	85.2	47.06	75.08	1	1	1	1	1	28.02	37.32085336
9744	13/01/2021	1	1.3	1.3.3.1	2201101280646	955	144	63	20	6.48	23.3	5.48	130	127.7	98.52	75.50	1	1	1	1	1	-23.02	-30.49564881
9745	13/01/2021	1	1.3	1.3.3.1	vspl	912	89	62.3	30	6.6	14.2	5.95	198	84.5	42.67	75.22	1	1	1	1	1	32.55	43.27289443
9746	13/01/2021	1	1.3	1.3.3.1	220110162780661	1074	128	53	30	7.53	21.2	5.85	226	124.0	54.90	76.26	1	1	1	1	1	21.36	28.00854134
9747	14/01/2021	1	1.3	1.3.3.1	vspl	1071	145	62.8	30	7.29	22.4	6.29	219	140.9	64.42	76.24	1	1	1	0	0	11.82	15.49844235
9748	14/01/2021	1	1.3	1.3.3.1	vspl	1044	150	65.2	30	7.1	22.4	6.42	213	143.8	67.52	76.07	1	1	0	0	0	8.55	11.24277227
9749	14/01/2021	1	1.3	1.3.3.1	22011012580455	1056	147	60.6	30	7.73	21.6	6.73	232	145.4	62.69	76.14	1	1	1	0	0	13.46	17.67531117
9750	14/01/2021	1	1.3	1.3.3.1	vspl	987	140	59.7	30	6.89	21.4	5.84	207	125.0	60.46	75.70	1	1	1	1	0	15.24	20.13174407
9751	14/01/2021	1	1.3	1.3.3.1	220110125802349	963	140	62.7	30	6.5	21.3	5.9	195	125.7	64.45	75.55	1	1	0	0	0	11.10	14.69644438
9752	14/01/2021	1	1.3	1.3.3.1	vspl	973	121	52.7	30	6.7	20.4	5.32	201	108.5	53.99	75.61	1	1	1	1	1	21.62	28.59179369
9753	14/01/2021	1	1.3	1.3.3.1	vspl	786	121	55.7	32	5.37	21.1	4.61	172	97.3	56.61	74.42	1	1	1	1	0	17.81	23.93402084
9754	14/01/2021	1	1.3	1.3.3.1	vspl	766	98	63.5	30	5.51	14.8	5.02	165	74.3	44.95	74.29	1	1	1	1	1	29.34	39.49774326
9755	14/01/2021	1	1.3	1.3.3.1	vspl	806	111	67.1	23	5.83	16.6	5.4	134	89.6	66.85	74.54	1	1	0	0	0	7.69	10.32106675
9756	14/01/2021	1	1.3	1.3.3.1	22011012481420	839	110	65.9	30	6.02	16.5	5.37	181	88.6	49.06	74.76	1	1	1	1	1	25.69	34.3708541
9757	14/01/2021	1	1.3	1.3.3.1	vspl	819	104	63.7	22	6.13	15.9	5.57	135	88.6	65.67	74.63	1	1	0	0	0	8.96	12.00263069
9758	14/01/2021	1	1.3	1.3.3.1	vspl	577	106	67.1	21	6.22	16	5.56	131	89.0	68.11	73.08	1	0	0	0	0	4.97	6.80476936
9759	14/01/2021	1	1.3	1.3.3.1	vspl	741	92	43.4	32	6.34	15.2	5.88	203	89.4	44.05	74.13	1	1	1	1	1	30.07	40.57118761
9760	14/01/2021	1	1.3	1.3.3.1	vspl	990	105	64.2	22	6.5	16.1	5.19	143	83.6	58.43	75.72	1	1	1	1	0	17.29	22.83237747
9761	14/01/2021	1	1.3	1.3.3.3	22011012580332	1013	146	60.2	31	7.33	21.5	6.48	227	139.3	61.31	75.87	1	1	1	0	0	14.56	19.18680213
9762	14/01/2021	1	1.3	1.3.3.3	-	1024	146	60.8	32	7.3	21.6	6.5	234	140.4	60.10	75.94	1	1	1	1	0	15.84	20.85454792
9763	14/01/2021	1	1.3	1.3.3.3	-	1032	140	59.5	31	7.16	20.7	6.51	222	134.8	60.71	75.99	1	1	1	1	0	15.28	20.10573582

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9764	14/01/2021	1	1.3	1.3.3.3	-	1013	138	57.1	31	7.26	20.8	6.31	225	131.2	58.32	75.87	1	1	1	1	0	17.55	23.13495691
9765	14/01/2021	1	1.3	1.3.3.3	-	1026	150	60.6	21	7.44	15	6.34	156	95.1	60.87	75.95	1	1	1	0	0	15.08	19.8604711
9766	14/01/2021	1	1.3	1.3.3.3	22011012580402	1119	111	62.4	21	7.91	15.4	7.11	166	109.5	65.92	76.55	1	1	0	0	0	10.63	13.88814109
9767	14/01/2021	1	1.3	1.3.3.3	-	1114	106	63.8	21	7.75	15.4	7.08	163	109.0	66.99	76.52	1	1	0	0	0	9.52	12.44458857
9768	14/01/2021	1	1.3	1.3.3.3	-	1109	89	54.8	20	7.88	13.3	6.8	158	90.4	57.39	76.48	1	1	1	1	0	19.10	24.9698147
9769	14/01/2021	1	1.3	1.3.3.3	-	1114	150	60.8	30	8.29	22	7.13	249	156.9	63.07	76.52	1	1	1	0	0	13.44	17.56978411
9770	14/01/2021	1	1.3	1.3.3.3	22011012780693	1027	100	32.1	21	7.38	15.2	6.72	155	102.1	65.91	75.96	1	1	0	0	0	10.05	13.23209545
9771	14/01/2021	1	1.3	1.3.3.3	-	765	90	54.6	20	6.44	13.9	5.3	129	73.7	57.20	74.28	1	1	1	1	0	17.08	22.99991254
9772	14/01/2021	1	1.3	1.3.3.3	-	1026	124	60.9	31	7.64	24.2	6.1	237	147.6	62.33	75.95	1	1	1	0	0	13.62	17.93676239
9773	14/01/2021	1	1.3	1.3.3.3	-	1201	120	48.7	30	8.29	18.2	6.91	249	125.8	50.57	77.07	1	1	1	1	1	26.50	34.38928551
9774	14/01/2021	1	1.3	1.3.3.3	22011020282350	1015	102	60.9	20	8.93	14.2	7.9	179	112.2	62.81	75.88	1	1	1	0	0	13.07	17.22575805
9775	14/01/2021	1	1.3	1.3.3.3	-	528	101	66.1	19	4.46	15	3.99	85	59.9	70.63	72.77	0	0	0	0	0	2.14	2.937389452
9776	14/01/2021	1	1.3	1.3.3.3	-	820	128	NA	30	5.56	20.9	5.92	167	123.7	74.18	74.63	0	0	0	0	0	0.46	0.611707756
9777	14/01/2021	1	1.3	1.3.3.3	-	1053	149	64	31	7.38	22.5	6.49	229	146.0	63.83	76.13	1	1	1	0	0	12.30	16.15431588
9778	14/01/2021	1	1.3	1.3.3.3	-	1053	147	67.4	31	6.87	23	6.25	213	143.8	67.50	76.13	1	1	0	0	0	8.63	11.33321208
9779	14/01/2021	1	1.3	1.3.3.3	-	1057	95	59.5	21	7.06	14.9	6.2	148	92.4	62.31	76.15	1	1	1	0	0	13.84	18.1762288
9780	14/01/2021	1	1.3	1.3.3.3	22011012981416	1057	150	65	31	7.77	22.2	6.67	241	148.1	61.47	76.15	1	1	1	0	0	14.68	19.27247727
9781	14/01/2021	1	1.3	1.3.3.3	-	1058	146	65.2	30	7.1	22.6	6.35	213	143.5	67.38	76.16	1	1	0	0	0	8.78	11.53090338
9782	14/01/2021	1	1.3	1.3.3.3	-	1057	148	63	30	7.44	23.1	6.33	223	146.2	65.51	76.15	1	1	0	0	0	10.64	13.97057316
9783	14/01/2021	1	1.3	1.3.3.3	-	1057	148	67.5	30	6.91	22.8	6.32	207	144.1	69.51	76.15	1	0	0	0	0	6.64	8.719470006
9784	14/01/2021	1	1.3	1.3.3.3	22011020182247	1055	146	62.2	21	7.43	21.8	6.45	156	140.6	90.12	76.14	1	1	1	0	0	-13.98	-18.36045751
9785	14/01/2021	6	6.1	6.1.1.1	NA	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
9786	14/01/2021	6	6.1	6.1.1.1	NA	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
9787	14/01/2021	6	6.1	6.1.1.1	NA	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
9788	14/01/2021	6	6.1	6.1.1.2	NA	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
9789	14/01/2021	6	6.1	6.1.1.2	NA	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
9790	14/01/2021	6	6.1	6.1.1.2	2300057704	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
9791	14/01/2021	6	6.1	6.1.1.2	2300050518	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
9792	14/01/2021	6	6.1	6.1.1.3	NA	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
9793	14/01/2021	6	6.1	6.1.1.4	2300057697	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9794	14/01/2021	6	6.1	6.1.1.4	2300057764	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
9795	14/01/2021	6	6.1	6.1.1.4	NA	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
9796	14/01/2021	6	6.1	6.1.2.3	2300057773	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
9797	14/01/2021	6	6.1	6.1.2.3	2300057726	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
9798	14/01/2021	6	6.1	6.1.2.4	2300057746	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
9799	14/01/2021	6	6.1	6.1.2.4	2300057759	911	25	59.6	30	6.3	20	5.3	189	106.0	56.08	75.22	1	1	1	1	1	19.13	25.4356017
9800	14/01/2021	6	6.1	6.1.2.4	2300056168	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
9801	14/01/2021	6	6.1	6.1.3.2	2300051278	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
9802	14/01/2021	6	6.1	6.1.3.2	2300053396	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
9803	14/01/2021	6	6.1	6.1.3.3	2300046178	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
9804	14/01/2021	6	6.1	6.1.3.4	2300056120	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
9805	14/01/2021	6	6.1	6.1.3.4	NA	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
9806	14/01/2021	6	6.1	6.1.3.4	NA	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
9807	14/01/2021	6	6.1	6.1.3.4	2300038598	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
9808	14/01/2021	6	6.1	6.1.3.4	NA	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
9809	14/01/2021	6	6.1	6.1.6.1	2300056135	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
9810	14/01/2021	6	6.1	6.1.6.2	2300053296	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
9811	14/01/2021	6	6.1	6.1.6.2	2300052672	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
9812	14/01/2021	6	6.1	6.1.6.2	2300053295	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
9813	14/01/2021	6	6.1	6.1.6.2	2300053297	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
9814	14/01/2021	6	6.1	6.1.6.2	2300053298	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
9815	14/01/2021	6	6.1	6.1.6.3	2300056140	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
9816	14/01/2021	6	6.1	6.1.6.3	2300056190	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
9817	14/01/2021	6	6.1	6.1.6.3	2300056197	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
9818	14/01/2021	6	6.1	6.1.6.3	NA	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
9819	14/01/2021	6	6.2	6.2.1.1	NA	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
9820	14/01/2021	6	6.2	6.2.1.1	NA	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
9821	14/01/2021	6	6.2	6.2.1.1	2300044970	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
9822	14/01/2021	6	6.2	6.2.1.1	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
9823	14/01/2021	6	6.2	6.2.1.1	NA	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9824	14/01/2021	6	6.2	6.2.1.2	2300045160	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
9825	14/01/2021	6	6.2	6.2.1.2	2300045858	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
9826	14/01/2021	6	6.2	6.2.1.3	NA	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
9827	14/01/2021	6	6.2	6.2.1.3	NA	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
9828	14/01/2021	6	6.2	6.2.1.3	NA	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
9829	14/01/2021	6	6.2	6.2.1.3	NA	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
9830	14/01/2021	6	6.2	6.2.1.4	NA	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
9831	14/01/2021	6	6.2	6.2.1.4	NA	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
9832	14/01/2021	6	6.2	6.2.1.4	NA	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
9833	14/01/2021	6	6.2	6.2.2.1	2300045162	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
9834	14/01/2021	6	6.2	6.2.2.1	2300043396	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
9835	14/01/2021	6	6.2	6.2.2.2	2300043375	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
9836	14/01/2021	6	6.2	6.2.2.2	2300043483	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
9837	14/01/2021	6	6.2	6.2.2.3	2300045164	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
9838	14/01/2021	6	6.2	6.2.2.3	2300043446	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
9839	14/01/2021	6	6.2	6.2.2.3	2300043243	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
9840	14/01/2021	6	6.2	6.2.2.3	2300043447	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
9841	14/01/2021	6	6.2	6.2.2.4	NA	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
9842	14/01/2021	6	6.2	6.2.2.4	NA	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
9843	14/01/2021	6	6.2	6.2.3.1	2300045256	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
9844	14/01/2021	6	6.2	6.2.3.1	2300045262	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
9845	14/01/2021	6	6.2	6.2.3.2	2300045632	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
9846	14/01/2021	6	6.2	6.2.3.2	2300046506	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
9847	14/01/2021	6	6.2	6.2.3.2	2300041105	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
9848	14/01/2021	6	6.2	6.2.3.3	2300046914	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
9849	14/01/2021	6	6.2	6.2.3.4	2300041101	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
9850	14/01/2021	6	6.2	6.2.3.4	2300046887	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
9851	14/01/2021	6	6.2	6.2.3.4	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
9852	14/01/2021	6	6.2	6.2.4.1	2300044207	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
9853	14/01/2021	6	6.2	6.2.4.1	2300044133	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9854	14/01/2021	6	6.2	6.2.4.1	2300044728	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
9855	14/01/2021	6	6.2	6.2.4.1	2300044735	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
9856	14/01/2021	6	6.2	6.2.4.1	NA	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
9857	14/01/2021	6	6.2	6.2.4.2	2300045403	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
9858	14/01/2021	6	6.2	6.2.4.2	2300046775	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
9859	14/01/2021	6	6.2	6.2.4.2	2300047385	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
9860	14/01/2021	6	6.2	6.2.4.2	2300043235	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
9861	14/01/2021	6	6.2	6.2.4.3	NA	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
9862	14/01/2021	6	6.2	6.2.4.3	2300048257	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
9863	14/01/2021	6	6.2	6.2.4.4	NA	703	26	20.4	31	5	24	4.1	155	98.4	63.48	73.89	1	1	0	0	0	10.40	14.07768949
9864	14/01/2021	6	6.2	6.2.4.4	2300043224	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
9865	14/01/2021	6	6.2	6.2.4.4	2300043228	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
9866	14/01/2021	6	6.2	6.2.5.1	NA	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
9867	14/01/2021	6	6.2	6.2.5.1	NA	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
9868	14/01/2021	6	6.2	6.2.5.1	2300043038	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
9869	14/01/2021	6	6.2	6.2.5.2	2300045755	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
9870	14/01/2021	1	1.4	1.4.2.2	vspl	1055	97	61.7	30	7.03	15	6.29	211	94.4	44.74	76.14	1	1	1	1	1	31.40	41.24242546
9871	14/01/2021	1	1.4	1.4.2.2	vspl	1054	145	66.5	30	6.91	23.2	6.14	207	142.4	68.72	76.13	1	0	0	0	0	7.42	9.740671786
9872	14/01/2021	1	1.4	1.4.2.2	vspl	1060	144	64.4	30	7.1	22.2	6.33	213	140.5	65.97	76.17	1	1	0	0	0	10.20	13.38499687
9873	14/01/2021	1	1.4	1.4.2.2	22011087367	1011	145	63.4	31	7.51	23.1	6.55	233	151.3	64.99	75.86	1	1	0	0	0	10.87	14.32395289
9874	14/01/2021	1	1.4	1.4.2.2	vspl	578	141	61.8	30	4.96	22.5	4.2	149	94.5	63.51	73.09	1	1	0	0	0	9.58	13.10406961
9875	14/01/2021	1	1.4	1.4.2.2	2201101083506	1107	146	62.8	31	7.7	23.1	6.62	239	152.9	64.06	76.47	1	1	1	0	0	12.41	16.22355706
9876	14/01/2021	1	1.4	1.4.2.2	220110873554	1082	137	57.9	30	7.58	31.1	6.54	227	203.4	89.44	76.31	1	1	1	0	0	-13.13	-17.20919158
9877	14/01/2021	1	1.4	1.4.2.2	vspl	1061	125	54.7	30	7.67	23.7	5.48	230	129.9	56.44	76.18	1	1	1	1	1	19.73	25.9044986
9878	14/01/2021	1	1.4	1.4.2.2	2201102981716	1061	145	62.7	32	7.42	24.1	6.03	237	145.3	61.20	76.18	1	1	1	0	0	14.97	19.65478328
9879	14/01/2021	1	1.4	1.4.2.2	vspl	1058	144	62.5	30	7.41	24	6.01	222	144.2	64.89	76.16	1	1	0	0	0	11.27	14.80084595
9880	14/01/2021	1	1.4	1.4.2.2	2201102981655	1054	142	59.9	29	7.64	23.4	6.08	222	142.3	64.21	76.13	1	1	1	0	0	11.92	15.65426578
9881	14/01/2021	1	1.4	1.4.2.2	vspl	1055	101	62.6	20	7.62	14.2	6.91	152	98.1	64.38	76.14	1	1	1	0	0	11.75	15.43708209
9882	14/01/2021	1	1.4	1.4.2.2	vspl	1053	100	60.1	30	7.76	14.2	6.86	233	97.4	41.84	76.13	1	1	1	1	1	34.28	45.0331262
9883	14/01/2021	1	1.4	1.4.2.2	vspl	1051	141	63.9	31	6.99	23.2	6.18	217	143.4	66.17	76.11	1	1	0	0	0	9.95	13.06749906

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9884	14/01/2021	1	1.4	1.4.2.2	22011020182188	1054	108	67.9	30	7.4	23.3	6.63	222	154.5	69.59	76.13	1	0	0	0	0	6.55	8.59887992
9885	14/01/2021	1	1.4	1.4.2.2	vspl	1051	150	67.8	30	6.95	23	6.36	209	146.3	70.16	76.11	1	0	0	0	0	5.95	7.822807609
9886	14/01/2021	1	1.4	1.4.2.2	2201102028530	1050	147	62.9	30	7.35	22	6.49	221	142.8	64.75	76.11	1	1	0	0	0	11.35	14.91756962
9887	14/01/2021	1	1.4	1.4.2.2	vspl	1046	135	59.4	30	7.18	21.9	6.3	215	138.0	64.05	76.08	1	1	1	0	0	12.03	15.80890112
9888	14/01/2021	1	1.4	1.4.2.2	vspl	1046	146	63	30	7.24	21.9	6.44	217	141.0	64.93	76.08	1	1	0	0	0	11.15	14.65120891
9889	14/01/2021	1	1.4	1.4.2.2	vspl	1046	143	65.7	30	6.83	22.5	6.16	205	138.6	67.64	76.08	1	1	0	0	0	8.44	11.09043517
9890	14/01/2021	1	1.4	1.4.2.2	vspl	1043	146	62.4	30	7.3	22.2	6.32	219	140.3	64.07	76.06	1	1	1	0	0	12.00	15.77078271
9891	14/01/2021	1	1.4	1.4.2.4	-	1045	144	62.4	30	7.19	22.6	6.19	216	139.9	64.86	76.07	1	1	0	0	0	11.22	14.7464071
9892	14/01/2021	1	1.4	1.4.2.4	22011010873555	1046	149	63.1	30	7.43	22.6	6.38	223	144.2	64.69	76.08	1	1	0	0	0	11.39	14.9750741
9893	14/01/2021	1	1.4	1.4.2.4	-	831	134	54.7	32	6.22	20.9	5.31	199	111.0	55.76	74.70	1	1	1	1	1	18.95	25.36298499
9894	14/01/2021	1	1.4	1.4.2.4	22010010873770	980	138	62.4	30	7.22	24.9	5.74	217	142.9	65.99	75.66	1	1	0	0	0	9.67	12.78364537
9895	14/01/2021	1	1.4	1.4.2.4	-	885	129	53.2	31	7.07	20.8	5.7	219	118.6	54.09	75.05	1	1	1	1	1	20.96	27.92139273
9896	14/01/2021	1	1.4	1.4.2.4	-	925	117	48.9	31	6.93	20.4	5.28	215	107.7	50.14	75.31	1	1	1	1	1	25.17	33.4206453
9897	14/01/2021	1	1.4	1.4.2.4	-	895	131	53.6	31	7.4	22.1	5.71	229	126.2	55.01	75.11	1	1	1	1	1	20.10	26.76577693
9898	14/01/2021	1	1.4	1.4.2.4	-	980	144	60.1	31	6.97	21.8	6.09	216	132.8	61.44	75.66	1	1	1	0	0	14.21	18.78720494
9899	14/01/2021	1	1.4	1.4.2.4	22011012981703	982	131	52.8	31	7.21	20.8	5.82	224	121.1	54.16	75.67	1	1	1	1	1	21.51	28.42505291
9900	14/01/2021	1	1.4	1.4.2.4	-	980	140	56.9	31	7.11	21.5	5.97	220	128.4	58.23	75.66	1	1	1	1	0	17.42	23.02908668
9901	14/01/2021	1	1.4	1.4.2.4	-	1012	129	53	32	7.29	20.7	5.93	233	122.8	52.62	75.86	1	1	1	1	1	23.24	30.63847002
9902	14/01/2021	1	1.4	1.4.2.4	-	1025	122	50.9	32	7.27	20.5	5.56	233	114.0	48.99	75.95	1	1	1	1	1	26.95	35.48817047
9903	14/01/2021	1	1.4	1.4.2.4	22011012981558	1026	125	53.8	30	7.08	20.1	5.67	212	114.0	53.66	75.95	1	1	1	1	1	22.30	29.35472788
9904	14/01/2021	1	1.4	1.4.2.4	-	946	123	54.9	30	7.07	21.2	5.75	212	121.9	57.47	75.44	1	1	1	1	0	17.97	23.81682739
9905	14/01/2021	1	1.4	1.4.2.4	-	996	145	59.7	31	7.28	21.8	6.34	226	138.2	61.24	75.76	1	1	1	0	0	14.52	19.16295689
9906	14/01/2021	1	1.4	1.4.2.4	-	1030	123	40.1	31	7.23	20.5	5.71	224	117.1	52.23	75.98	1	1	1	1	1	23.75	31.26117235
9907	14/01/2021	1	1.4	1.4.2.4	22011020282596	1030	140	58.5	31	7.24	20.9	6.38	224	133.3	59.41	75.98	1	1	1	1	0	16.57	21.80502457
9908	14/01/2021	1	1.4	1.4.2.4	No Module	1026	146	58.6	31	7.46	21.9	6.37	231	139.5	60.32	75.95	1	1	1	1	0	15.63	20.57787106
9909	14/01/2021	1	1.4	1.4.2.4	-	1051	137	53.8	32	3.39	23.5	5.89	108	138.4	127.59	76.11	1	1	1	1	1	-51.48	-67.640159
9910	14/01/2021	1	1.4	1.4.2.4	-	1045	137	54.8	33	7.46	21.3	6.35	246	135.3	54.94	76.07	1	1	1	1	1	21.13	27.77886503
9911	14/01/2021	1	1.4	1.4.2.4	22011020182148	1048	140	64	32	6.8	23.2	5.99	218	139.0	63.86	76.09	1	1	1	0	0	12.23	16.07138274
9912	14/01/2021	1	1.4	1.4.2.1	vspl	1049	135	57.9	32	7.33	24	5.7	235	136.8	58.32	76.10	1	1	1	1	0	17.78	23.3610104

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9913	14/01/2021	1	1.4	14.2.1	vspl22011102167722	1048	138	59.4	32	7.15	24.6	5.74	229	141.2	61.72	76.09	1	1	1	0	0	14.38	18.8954664
9914	14/01/2021	1	1.4	14.2.1	vspl	1052	149	60.7	32	7.12	22.4	6.19	228	138.7	60.86	76.12	1	1	1	1	0	15.26	20.05031402
9915	14/01/2021	1	1.4	14.2.1	vspl220102268210	1053	147	61.4	32	7.43	22.3	6.54	238	145.8	61.34	76.13	1	1	1	0	0	14.79	19.42220614
9916	14/01/2021	1	1.4	14.2.1	vspl	1053	90	36.5	31	7.26	13.9	6.02	225	83.7	37.18	76.13	1	1	1	1	1	38.94	51.15900192
9917	14/01/2021	1	1.4	14.2.1	vspl	1056	93	43.9	31	6.81	19.6	4.81	211	94.3	44.66	76.14	1	1	1	1	1	31.49	41.35184246
9918	14/01/2021	1	1.4	14.2.1	vspl	1062	85	39.4	31	6.72	17.4	4.81	208	83.7	40.18	76.18	1	1	1	1	1	36.01	47.2640921
9919	14/01/2021	1	1.4	14.2.1	vspl220108773602	1064	113	55.4	31	6.89	23.4	5.12	214	119.8	56.09	76.20	1	1	1	1	1	20.10	26.38352648
9920	14/01/2021	1	1.4	14.2.1	vspl	1066	149	63.2	29	7.29	22.6	6.42	211	145.1	68.63	76.21	1	0	0	0	0	7.58	9.943493158
9921	14/01/2021	1	1.4	14.2.1	vspl220101873643	1064	86	58.4	20	5.78	17.9	5.1	116	91.3	78.97	76.20	0	0	0	0	0	-2.77	-3.641927139
9922	14/01/2021	1	1.4	14.2.1	vspl	1060	150	62.1	31	6.4	23.2	5.43	198	126.0	63.50	76.17	1	1	1	0	0	12.67	16.63913911
9923	14/01/2021	1	1.4	14.2.1	vspl2201087733658	964	143	60.2	31	6.9	22	6.03	214	132.7	62.02	75.56	1	1	1	0	0	13.54	17.9152368
9924	14/01/2021	1	1.4	14.2.1	vspl	1073	142	61.9	30	7.73	23.7	6.12	232	145.0	62.55	76.25	1	1	1	0	0	13.71	17.97599974
9925	14/01/2021	1	1.4	14.2.1	vspl2201011244962	1069	99	61.7	31	7.49	15	6.65	232	99.8	42.96	76.23	1	1	1	1	1	33.27	43.64179578
9926	14/01/2021	1	1.4	14.2.1	vspl	870	140	60.2	30	7.42	22.2	6.67	223	148.1	66.52	74.95	1	1	0	0	0	8.43	11.25194702
9927	14/01/2021	1	1.4	14.2.1	vspl22011012780771	1074	138	61.7	31	7.06	22.2	6.23	219	138.3	63.19	76.26	1	1	1	0	0	13.07	17.13328875
9928	14/01/2021	1	1.4	14.2.1	No Module	1061	98	61.1	21	7.46	14.6	6.65	157	97.1	61.97	76.18	1	1	1	0	0	14.20	18.64281108
9929	14/01/2021	1	1.4	14.2.1	vspl	1035	104	62.6	21	7.21	14.5	6.56	151	95.1	62.82	76.01	1	1	1	0	0	13.19	17.34929743
9930	14/01/2021	1	1.4	14.2.1	No Module	1042	142	62.9	31	6.98	22.4	6.17	216	138.2	63.87	76.05	1	1	1	0	0	12.18	16.01737649
9931	14/01/2021	1	1.4	14.2.1	vspl	748	136	58	30	6.83	24.3	5.19	205	126.1	61.55	74.17	1	1	1	0	0	12.62	17.01785491
9932	14/01/2021	1	1.4	14.2.1	vspl	1008	99	60.7	21	7.45	15	6.75	156	101.3	64.72	75.84	1	1	0	0	0	11.12	14.66303868
9933	14/01/2021	1	1.4	14.2.1	vspl	1107	124	NA	31	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	76.47	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
9934	14/01/2021	1	1.4	14.2.3	vspl22010222167712	1094	140	62.6	31	7.39	22.9	6.34	229	145.2	63.38	76.39	1	1	1	0	0	13.01	17.03484236
9935	14/01/2021	1	1.4	14.2.3	-	1045	89	40.5	30	7.33	14.3	6.44	220	92.1	41.88	76.07	1	1	1	1	1	34.19	44.94960706
9936	14/01/2021	1	1.4	14.2.3	-	1059	144	60.3	31	7.43	21.8	6.53	230	142.4	61.80	76.16	1	1	1	0	0	14.36	18.85314291
9937	14/01/2021	1	1.4	14.2.3	vspl22010122268218	1060	103	63.9	30	7.47	14.9	6.8	224	101.3	45.21	76.17	1	1	1	1	1	30.96	40.64335178
9938	14/01/2021	1	1.4	14.2.3	-	1061	139	58	31	7.55	21.9	6.32	234	138.4	59.14	76.18	1	1	1	1	0	17.04	22.36955011

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9939	14/01/2021	1	1.4	14.2.3	-	1061	150	62.1	20	7.55	14.8	6.68	151	98.9	65.47	76.18	1	1	0	0	0	10.70	14.05100834
9940	14/01/2021	1	1.4	14.2.3	-	846	147	60.9	32	5.98	23.7	4.99	191	118.3	61.80	74.80	1	1	1	0	0	13.00	17.37836042
9941	14/01/2021	1	1.4	14.2.3	vspl22011010873624	988	89	44.2	33	5.66	19	4.02	187	76.4	40.89	75.71	1	1	1	1	1	34.82	45.98671069
9942	14/01/2021	1	1.4	14.2.3	-	983	140	58.3	32	6.75	22.5	5.73	216	128.9	59.69	75.68	1	1	1	1	0	15.99	21.12882083
9943	14/01/2021	1	1.4	14.2.3	-	844	150	44	32	5.69	18.8	4.05	182	76.1	41.82	74.79	1	1	1	1	1	32.97	44.08593961
9944	14/01/2021	1	1.4	14.2.3	-	981	140	40.5	32	6.69	17.5	5.06	214	88.6	41.36	75.66	1	1	1	1	1	34.30	45.33354939
9945	14/01/2021	1	1.4	14.2.3	vspl22011010873653	961	129	54.3	32	6.68	21.7	5.48	214	118.9	55.63	75.54	1	1	1	1	1	19.91	26.35257469
9946	14/01/2021	1	1.4	14.2.3	-	1002	96	61.4	21	6.82	5.15	6.05	143	31.2	21.75	75.80	1	1	1	1	1	54.04	71.29902806
9947	14/01/2021	1	1.4	14.2.3	-	960	146	65.3	32	6.18	23	6.18	198	142.1	71.88	75.53	0	0	0	0	0	3.66	4.839136767
9948	14/01/2021	1	1.4	14.2.3	-	960	144	60.7	32	6.39	22.7	5.48	204	124.4	60.84	75.53	1	1	1	0	0	14.69	19.45546205
9949	14/01/2021	1	1.4	14.2.3	vspl22011011275041	924	150	62.9	32	6.52	22.8	5.78	209	131.8	63.16	75.30	1	1	1	0	0	12.14	16.11729205
9950	14/01/2021	1	1.4	14.2.3	-	995	89	33.6	32	6.93	13	5.72	222	74.4	33.53	75.75	1	1	1	1	1	42.22	55.73600598
9951	14/01/2021	1	1.4	14.2.3	-	989	89	38.1	32	6.78	17	4.89	217	83.1	38.32	75.72	1	1	1	1	1	37.40	49.3950803
9952	14/01/2021	1	1.4	14.2.3	vspl22011010580337	1032	91	37.9	32	7.01	14.1	6.06	224	85.4	38.09	75.99	1	1	1	1	1	37.90	49.87403761
9953	14/01/2021	1	1.4	14.2.3	-	1040	144	60.9	31	7.37	22.6	6.2	228	140.1	61.33	76.04	1	1	1	0	0	14.71	19.34757757
9954	14/01/2021	1	1.4	14.2.3	-	1038	104	64.3	20	7.15	14.8	6.8	143	100.6	70.38	76.03	1	0	0	0	0	5.65	7.433430343
9955	14/01/2021	1	1.4	14.2.3	-	1035	101	63.8	20	7.28	14.6	6.65	146	97.1	66.68	76.01	1	1	0	0	0	9.33	12.27115865
9956	14/01/2021	1	1.4	14.2.3	vspl22010010873567	1037	139	63	30	6.8	21.5	6.2	204	133.3	65.34	76.02	1	1	0	0	0	10.68	14.04797343
9957	14/01/2021	1	1.4	14.1.1	vspl22010120167762	1040	148	63.2	31	7.16	22	6.47	222	142.3	64.13	76.04	1	1	1	0	0	11.91	15.66677385
9958	14/01/2021	1	1.4	14.1.1	-	1019	145	64.3	31	6.75	22.4	6.13	209	137.3	65.62	75.91	1	1	0	0	0	10.29	13.55143954
9959	14/01/2021	1	1.4	14.1.1	-	767	103	63.3	21	5.32	15.6	4.79	112	74.7	66.89	74.29	1	0	0	0	0	7.41	9.973416959
9960	14/01/2021	1	1.4	14.1.1	-	760	105	66.6	20	5.4	15.4	4.81	108	74.1	68.59	74.25	1	0	0	0	0	5.66	7.626886145
9961	14/01/2021	1	1.4	14.1.1	-	744	106	68.3	20	5.29	15.6	4.85	106	75.7	71.51	74.15	0	0	0	0	0	2.64	3.554144255
9962	14/01/2021	1	1.4	14.1.1	-	711	148	70.9	30	4.33	24	4.2	130	100.8	77.60	73.94	0	0	0	0	0	-3.66	-4.952570621
9963	14/01/2021	1	1.4	14.1.1	-	667	137	69.3	31	4.37	24.6	3.95	135	97.2	71.73	73.65	0	0	0	0	0	1.93	2.615908437
9964	14/01/2021	1	1.4	14.1.1	-	824	101	64.1	23	5.68	16.4	5.07	131	83.1	63.65	74.66	1	1	0	0	0	11.01	14.75086582
9965	14/01/2021	1	1.4	14.1.1	-	828	104	66.9	23	5.5	16.6	5.08	127	84.3	66.66	74.69	1	1	0	0	0	8.02	10.74208733

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9966	14/01/2021	1	1.4	1.4.1.1	vspl10361011200002486	832	110	66.9	32	5.9	24.5	5.25	189	128.6	68.13	74.71	1	0	0	0	0	6.58	8.811512787
9967	14/01/2021	1	1.4	1.4.1.1	-	834	104	63.9	32	5.63	25.1	4.64	180	116.5	64.64	74.72	1	1	0	0	0	10.08	13.48816142
9968	14/01/2021	1	1.4	1.4.1.1	vspl1036102300002364	844	142	70.9	32	5.29	25.1	4.84	169	121.5	71.77	74.79	0	0	0	0	0	3.02	4.041414789
9969	14/01/2021	1	1.4	1.4.1.1	-	854	101	63.6	23	5.75	16.3	5.08	132	82.8	62.61	74.85	1	1	1	0	0	12.24	16.35219524
9970	14/01/2021	1	1.4	1.4.1.1	vspl10381011300002541	884	147	66.2	31	5.63	23.8	4.94	175	117.6	67.36	75.04	1	1	0	0	0	7.68	10.23228772
9971	14/01/2021	1	1.4	1.4.1.1	-	853	147	65.4	32	5.7	23.6	5.12	182	120.8	66.25	74.85	1	1	0	0	0	8.60	11.48982963
9972	14/01/2021	1	1.4	1.4.1.1	vspl10361011300002362	1008	146	64.8	32	6.83	22.9	6.1	219	139.7	63.91	75.84	1	1	1	0	0	11.92	15.72236394
9973	14/01/2021	1	1.4	1.4.1.1	-	1021	145	62.6	32	6.99	22.7	6.11	224	138.7	62.01	75.92	1	1	1	0	0	13.91	18.32645134
9974	14/01/2021	1	1.4	1.4.1.1	vspl1038101000002699	1023	103	64.6	22	6.92	15.6	6.31	152	98.4	64.66	75.93	1	1	0	0	0	11.27	14.8482692
9975	15/01/2021	1	1.4	1.4.1.1	vspl1076111300003495	1033	139	64.6	32	6.52	24	5.74	209	137.8	66.03	76.00	1	1	0	0	0	9.97	13.11836836
9976	15/01/2021	1	1.4	1.4.1.1	-	1046	120	54.7	32	6.93	24.1	5.04	222	121.5	54.77	76.08	1	1	1	1	1	21.31	28.00678325
9977	15/01/2021	1	1.4	1.4.1.1	-	1043	100	66.5	21	6.78	15.3	6.38	142	97.6	68.56	76.06	1	0	0	0	0	7.50	9.863654075
9978	15/01/2021	1	1.4	1.4.1.1	vspl10761111200008608	1040	91	58.8	22	6.64	14.5	6.4	146	92.8	63.53	76.04	1	1	1	0	0	12.52	16.45822754
9979	15/01/2021	1	1.4	1.4.1.3	-	1037	148	68.4	30	7.61	23.7	6.08	228	144.1	63.12	76.02	1	1	1	0	0	12.91	16.97628688
9980	15/01/2021	1	1.4	1.4.1.3	-	1030	96	60	31	7.57	14.9	6.2	235	92.4	39.37	75.98	1	1	1	1	1	36.61	48.18774106
9981	15/01/2021	1	1.4	1.4.1.3	vspl22010122167760	1040	145	65.2	31	7.01	24.8	6.22	217	154.3	70.98	76.04	1	0	0	0	0	5.06	6.651182069
9982	15/01/2021	1	1.4	1.4.1.3	-	1039	143	63.3	31	6.81	23	6.08	211	139.8	66.24	76.04	1	1	0	0	0	9.80	12.88245423
9983	15/01/2021	1	1.4	1.4.1.3	vspl22010122167753	1040	146	66.8	31	7	23	6.17	217	141.9	65.40	76.04	1	1	0	0	0	10.65	13.99974571
9984	15/01/2021	1	1.4	1.4.1.3	-	1027	99	64.3	21	6.8	14.7	6.46	143	95.0	66.50	75.96	1	1	0	0	0	9.46	12.45254006
9985	15/01/2021	1	1.4	1.4.1.3	-	1023	147	66	31	6.95	23.2	6.08	215	141.1	65.47	75.93	1	1	0	0	0	10.46	13.7789389
9986	15/01/2021	1	1.4	1.4.1.3	-	1024	147	65.3	31	7.22	23	6.14	224	141.2	63.10	75.94	1	1	1	0	0	12.84	16.91377822
9987	15/01/2021	1	1.4	1.4.1.3	vspl103610112300002485	1034	101	NA	21	6.99	15.5	6.33	147	98.1	66.84	76.00	1	1	0	0	0	9.16	12.05629178
9988	15/01/2021	1	1.4	1.4.1.3	-	1044	150	67.1	31	6.9	23.3	6.38	214	148.7	69.50	76.07	1	0	0	0	0	6.57	8.637894193
9989	15/01/2021	1	1.4	1.4.1.3	-	1029	101	62.2	21	7.02	15.2	6.3	147	95.8	64.96	75.97	1	1	0	0	0	11.01	14.49796377
9990	15/01/2021	1	1.4	1.4.1.3	-	1025	94	60.4	21	6.73	14.8	6	141	88.8	62.83	75.95	1	1	1	0	0	13.11	17.26796598

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
9991	15/01/2021	1	1.4	1.4.1.3	vspl103810112300002702	1039	144	60.7	30	6.72	23	5.97	202	137.3	68.11	76.04	1	1	0	0	0	7.93	10.42338188
9992	15/01/2021	1	1.4	1.4.1.3	-	1041	148	65.7	31	6.91	23.1	6.16	214	142.3	66.43	76.05	1	1	0	0	0	9.62	12.65000799
9993	15/01/2021	1	1.4	1.4.1.3	vspl103610112300002365	1038	145	64	29	6.95	22.2	6.22	202	138.1	68.51	76.03	1	0	0	0	0	7.52	9.888517248
9994	15/01/2021	1	1.4	1.4.1.3	-	1050	144	64.9	30	6.93	22.7	6.16	208	139.8	67.26	76.11	1	1	0	0	0	8.85	11.62423559
9995	15/01/2021	1	1.4	1.4.1.3	-	1047	141	63.1	30	6.98	22.2	6.12	209	135.9	64.88	76.09	1	1	0	0	0	11.20	14.72565348
9996	15/01/2021	1	1.4	1.4.1.3	-	1043	149	64.7	30	7.12	22.3	6.4	214	142.7	66.82	76.06	1	1	0	0	0	9.24	12.15431863
9997	15/01/2021	1	1.4	1.4.1.3	-	1041	144	65.1	30	6.95	22.2	6.72	209	149.2	71.55	76.05	1	0	0	0	0	4.50	5.91376132
9998	15/01/2021	1	1.4	1.4.1.3	-	1043	150	61.3	30	7.12	15	6.37	214	95.6	44.73	76.06	1	1	1	1	1	31.33	41.18795645
9999	15/01/2021	1	1.4	1.4.1.3	vspl106810112300002912	1045	94	59	21	7.05	14.4	6.24	148	89.9	60.69	76.07	1	1	1	1	0	15.38	20.2184595
10000	15/01/2021	1	1.4	1.4.1.3	-	1025	135	62.8	30	6.47	21.7	5.88	194	127.6	65.74	75.95	1	1	0	0	0	10.21	13.44211829
10001	15/01/2021	1	1.3	1.3.1.1	-	1028	144	66.2	30	6.75	22.7	6.08	203	138.0	68.16	75.97	1	1	0	0	0	7.81	10.2799053
10002	15/01/2021	1	1.3	1.3.1.1	-	1022	150	64.7	27	7.02	22.3	6.31	190	140.7	74.24	75.93	0	0	0	0	0	1.69	2.222652975
10003	15/01/2021	1	1.3	1.3.1.1	-	1022	147	64.6	30	6.93	22.4	6.18	208	138.4	66.59	75.93	1	1	0	0	0	9.34	12.3025617
10004	15/01/2021	1	1.3	1.3.1.1	22011012581016	1032	145	66.2	30	6.66	22.7	6	200	136.2	68.17	75.99	1	1	0	0	0	7.82	10.29418276
10005	15/01/2021	1	1.3	1.3.1.1	-	1035	147	67	30	6.7	22.9	6.06	201	138.8	69.04	76.01	1	0	0	0	0	6.97	9.167489745
10006	15/01/2021	1	1.3	1.3.1.1	22011012881029	1034	143	65.3	30	6.69	22.9	5.94	201	136.0	67.78	76.00	1	1	0	0	0	8.23	10.8255599
10007	15/01/2021	1	1.3	1.3.1.1	-	1037	101	61.6	21	7.14	15.1	6.35	150	95.9	63.95	76.02	1	1	1	0	0	12.07	15.88192898
10008	15/01/2021	1	1.3	1.3.1.1	-	1038	145	66.4	30	6.72	22.5	6.13	202	137.9	68.42	76.03	1	1	0	0	0	7.61	10.01460153
10009	15/01/2021	1	1.3	1.3.1.1	-	1038	104	63.2	21	7.1	15.1	6.49	149	98.0	65.73	76.03	1	1	0	0	0	10.30	13.55028221
10010	15/01/2021	1	1.3	1.3.1.1	22011012881024	1046	102	62.5	21	7.08	15.1	6.46	149	97.5	65.61	76.08	1	1	0	0	0	10.47	13.76488922
10011	15/01/2021	1	1.3	1.3.1.1	-	1041	145	63.8	30	7.08	22.5	6.18	212	139.1	65.47	76.05	1	1	0	0	0	10.58	13.91521492
10012	15/01/2021	1	1.3	1.3.1.1	22011011174584	1041	141	62.5	30	6.97	22	6.16	209	135.5	64.81	76.05	1	1	0	0	0	11.24	14.7765171
10013	15/01/2021	1	1.3	1.3.1.1	-	1052	139	61.4	30	7.07	21.8	6.18	212	134.7	63.52	76.12	1	1	1	0	0	12.60	16.55268506
10014	15/01/2021	1	1.3	1.3.1.1	22011012178590	1063	150	65.4	30	7.15	22.7	6.42	215	145.7	67.94	76.19	1	1	0	0	0	8.25	10.82560423
10015	15/01/2021	1	1.3	1.3.1.1	-	1061	150	65.7	30	7.15	22.5	6.45	215	145.1	67.66	76.18	1	1	0	0	0	8.52	11.18332888
10016	15/01/2021	1	1.3	1.3.1.1	22011012279049	1052	97	41.7	30	6.99	14.5	6.12	210	88.7	42.32	76.12	1	1	1	1	1	33.80	44.40585431
10017	15/01/2021	1	1.3	1.3.1.1	-	1053	96	44.8	30	6.39	14.8	5.96	192	88.2	46.01	76.13	1	1	1	1	1	30.11	39.55541285
10018	15/01/2021	1	1.3	1.3.1.1	22011012271126	1049	142	62.7	30	7.05	21.9	6.22	212	136.2	64.41	76.10	1	1	1	0	0	11.69	15.36660671

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10019	15/01/2021	1	1.3	1.3.1.1	-	1036	146	65.3	30	7.36	22.9	6.05	221	138.5	62.75	76.02	1	1	1	0	0	13.27	17.45619404
10020	15/01/2021	1	1.3	1.3.1.1	22011012887129	1034	149	64.1	30	7.06	22.5	6.28	212	141.3	66.71	76.00	1	1	0	0	0	9.29	12.22273548
10021	15/01/2021	1	1.3	1.3.1.1	-	1036	124	53	20	7.3	20.1	5.96	146	119.8	82.05	76.02	1	0	0	0	0	-6.04	-7.93993769
10022	15/01/2021	1	1.3	1.3.1.1	22011011974439	1032	144	61.1	30	7.36	21.6	6.44	221	139.1	63.00	75.99	1	1	1	0	0	12.99	17.09522732
10023	15/01/2021	1	1.3	1.3.1.1	-	1025	120	60.1	30	6.37	20.2	5.94	191	120.0	62.79	75.95	1	1	1	0	0	13.16	17.32537714
10024	15/01/2021	1	1.3	1.3.1.1	22011012178704	1047	116	49.7	30	7.18	19	5.9	215	112.1	52.04	76.09	1	1	1	1	1	24.04	31.60086738
10025	15/01/2021	1	1.4	1.4.1.2	-	1058	109	46.3	30	7.42	18.7	5.73	223	107.2	48.14	76.16	1	1	1	1	1	28.02	36.79373901
10026	15/01/2021	1	1.4	1.4.1.2	1076111200003450	1040	90	36.6	30	7.32	13.3	6.25	220	83.1	37.85	76.04	1	1	1	1	1	38.19	50.22104312
10027	15/01/2021	1	1.4	1.4.1.2	-	1030	109	46.1	20	7.33	18.2	5.77	147	105.0	71.63	75.98	1	0	0	0	0	4.34	5.718740942
10028	15/01/2021	1	1.4	1.4.1.2	1076111100003610	1029	93	41.3	30	6.9	16.2	5.43	207	88.0	42.50	75.97	1	1	1	1	1	33.48	44.0637657
10029	15/01/2021	1	1.4	1.4.1.2	-	1015	85	39	30	6.76	17.1	4.75	203	81.2	40.05	75.88	1	1	1	1	1	35.83	47.21834539
10030	15/01/2021	1	1.4	1.4.1.2	176112300003683	749	148	71.2	31	4.63	24.2	4.28	144	103.6	72.16	74.18	0	0	0	0	0	2.02	2.718118181
10031	15/01/2021	1	1.4	1.4.1.2	-	756	147	70.9	31	4.75	24	4.42	147	106.1	72.04	74.22	0	0	0	0	0	2.18	2.941961095
10032	15/01/2021	1	1.4	1.4.1.2	10681011200002900	689	150	69.8	31	4.29	24.4	3.91	133	95.4	71.74	73.80	0	0	0	0	0	2.06	2.788615255
10033	15/01/2021	1	1.4	1.4.1.2	-	701	107	66.2	20	4.96	14.7	4.54	99	66.7	67.28	73.87	1	0	0	0	0	6.60	8.929167487
10034	15/01/2021	1	1.4	1.4.1.2	1068101300002930	840	106	47.2	32	5.85	19.1	4.58	187	87.5	46.73	74.76	1	1	1	1	1	28.03	37.49538421
10035	15/01/2021	1	1.4	1.4.1.2	-	829	146	59.9	31	5.98	22.3	5.09	185	113.5	61.23	74.69	1	1	1	0	0	13.46	18.02375808
10036	15/01/2021	1	1.4	1.4.1.2	-	825	129	54.6	31	5.84	21	4.82	181	101.2	55.91	74.67	1	1	1	1	1	18.76	25.11947062
10037	15/01/2021	1	1.4	1.4.1.2	-	821	134	57.7	31	5.8	21.3	4.97	180	105.9	58.88	74.64	1	1	1	1	0	15.76	21.11901108
10038	15/01/2021	1	1.4	1.4.1.2	-	823	135	58.8	31	5.78	21.4	5.02	179	107.4	59.96	74.65	1	1	1	0	0	14.70	19.68816854
10039	15/01/2021	1	1.4	1.4.1.2	-	831	104	50.1	31	5.01	19.02	4.11	155	78.2	50.33	74.70	1	1	1	1	1	24.37	32.62376594
10040	15/01/2021	1	1.4	1.4.1.2	-	605	89	48.2	30	4.27	18.8	3.42	128	64.3	50.19	73.26	1	1	1	1	1	23.07	31.4859299
10041	15/01/2021	1	1.4	1.4.1.2	-	827	93	62.3	23	5.13	16.5	4.43	118	73.1	61.95	74.68	1	1	1	0	0	12.73	17.04450893
10042	15/01/2021	1	1.4	1.4.1.2	-	1020	150	46.3	30	6.48	18.5	5.06	194	93.6	48.15	75.91	1	1	1	1	1	27.76	36.56862742
10043	15/01/2021	1	1.4	1.4.1.2	-	1021	115	55.8	30	6.3	23.5	4.7	189	110.5	58.44	75.92	1	1	1	1	0	17.48	23.02575666
10044	15/01/2021	1	1.4	1.4.1.2	-	1020	94	64	20	6.62	15	5.92	132	88.8	67.07	75.91	1	1	0	0	0	8.84	11.65070158
10045	15/01/2021	1	1.4	1.4.1.2	-	1019	149	66.3	31	6.75	23.4	6.03	209	141.1	67.43	75.91	1	1	0	0	0	8.48	11.16534041
10046	15/01/2021	1	1.4	1.4.1.2	-	1021	141	66.2	30	5.2	22.4	5.04	156	112.9	72.37	75.92	0	0	0	0	0	3.55	4.677490149
10047	15/01/2021	1	1.4	1.4.1.2	-	870	150	67.1	32	5.83	24.3	5.12	187	124.4	66.69	74.95	1	1	0	0	0	8.26	11.0260468
10048	15/01/2021	1	1.4	1.4.1.2	-	880	149	68.5	31	5.41	23.7	4.97	168	117.8	70.23	75.02	1	0	0	0	0	4.78	6.377486993

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10049	15/01/2021	1	1.4	1.4.1.4	-	887	98	66.5	21	5.9	15.7	5.32	124	83.5	67.41	75.06	1	1	0	0	0	7.65	10.19196009
10050	15/01/2021	1	1.4	1.4.1.4	106711123003434	887	86	43.6	32	5.98	15.5	5.3	191	82.2	42.93	75.06	1	1	1	1	1	32.13	42.80847923
10051	15/01/2021	1	1.4	1.4.1.4	-	886	91	63.2	21	5.84	14.8	5.28	123	78.1	63.72	75.06	1	1	1	0	0	11.34	15.10624063
10052	15/01/2021	1	1.4	1.4.1.4	106711130003610	966	34	24.6	30	3.44	15.8	1.19	103	18.8	18.22	75.57	1	1	1	1	1	57.35	75.89072648
10053	15/01/2021	1	1.4	1.4.1.4	-	985	14	24.8	30	1.68	15.1	0.87	50	13.1	26.07	75.69	1	1	1	1	1	49.62	65.56285349
10054	15/01/2021	1	1.4	1.4.1.4	-	984	90	36.7	32	6.81	17.4	4.64	218	80.7	37.05	75.68	1	1	1	1	1	38.64	51.04823482
10055	15/01/2021	1	1.4	1.4.1.4	-	589	135	56.7	31	4.24	21.8	3.53	131	77.0	58.55	73.16	1	1	1	0	0	14.61	19.96940017
10056	15/01/2021	1	1.4	1.4.1.4	107611123003689	691	112	69.1	31	4.45	16.6	3.98	138	66.1	47.89	73.81	1	1	1	1	1	25.92	35.11210817
10057	15/01/2021	1	1.4	1.4.1.4	-	712	135	60.8	31	4.78	21.8	4.23	148	92.2	62.23	73.94	1	1	1	0	0	11.71	15.83890478
10058	15/01/2021	1	1.4	1.4.1.4	106811123002943	502	8.6	33.3	20	3.9	7.6	3.63	78	27.6	35.37	72.60	1	1	1	1	1	37.23	51.28124601
10059	15/01/2021	1	1.4	1.4.1.4	-	506	117	65.8	30	3.35	22.8	3.05	101	69.5	69.19	72.62	0	0	0	0	0	3.43	4.723440261
10060	15/01/2021	1	1.4	1.4.1.4	-	570	136	63.3	30	3.23	24.3	3.03	97	73.6	75.98	73.03	0	0	0	0	0	-2.95	-4.039926779
10061	15/01/2021	1	1.4	1.4.1.4	221102078075	565	26	70.2	30	3.24	26.1	2.74	97	71.5	73.57	73.00	0	0	0	0	0	-0.57	-0.783641646
10062	15/01/2021	1	1.4	1.4.1.4	-	560	134	66.4	30	2.95	23.4	2.61	89	61.1	69.01	72.97	1	0	0	0	0	3.96	5.426655486
10063	15/01/2021	1	1.4	1.4.1.4	22011012479997	885	138	72.3	30	2.78	25	2.54	83	63.5	76.14	75.05	0	0	0	0	0	-1.09	-1.451150871
10064	15/01/2021	1	1.4	1.4.1.4	-	528	20	74	30	1.68	24	1.2	50	28.8	57.14	72.77	1	1	1	1	0	15.62	21.46952507
10065	15/01/2021	1	1.4	1.4.1.4	22011012881073	1013	115	53.6	31	6.56	24	4.65	203	111.6	54.88	75.87	1	1	1	1	1	20.99	27.66755313
10066	15/01/2021	1	1.4	1.4.1.4	-	999	20	52.2	30	6.1	20.2	5.02	183	101.4	55.41	75.78	1	1	1	1	1	20.37	26.87738935
10067	15/01/2021	1	1.4	1.4.1.4	-	989	107	66.8	20	7.18	15.1	6.61	144	99.8	69.51	75.72	1	0	0	0	0	6.21	8.200862954
10068	15/01/2021	1	1.4	1.4.1.4	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10069	15/01/2021	1	1.4	1.4.1.4	22011010873525	1002	135	63.5	30	7.22	22.5	6.61	217	148.7	68.66	75.80	1	0	0	0	0	7.14	9.413559445
10070	15/01/2021	1	1.4	1.4.1.4	-	1002	108	62.9	20	7.68	14.8	6.92	154	102.4	66.68	75.80	1	1	0	0	0	9.12	12.03411751
10071	15/01/2021	1	1.4	1.4.1.4	22011011174575	1002	130	54.2	30	7.16	20.1	6.1	215	122.6	57.08	75.80	1	1	1	1	0	18.72	24.69405111
10072	15/01/2021	1	1.3	1.3.1.3	22011011717027	1004	136	53.4	31	7.59	19.9	6.49	235	129.2	54.89	75.81	1	1	1	1	1	20.92	27.59665331
10073	15/01/2021	1	1.3	1.3.1.3	-	1002	111	61	21	7.64	15.3	6.85	160	104.8	65.32	75.80	1	1	0	0	0	10.48	13.81989502
10074	15/01/2021	1	1.3	1.3.1.3	22011012881030	1001	84	30.1	20	2.59	18.2	4.2	52	76.4	147.57	75.79	1	1	1	1	1	-71.78	-94.69968964
10075	15/01/2021	1	1.3	1.3.1.3	-	1000	128	53.8	30	7.28	19.7	6.15	218	121.2	55.47	75.79	1	1	1	1	1	20.31	26.80191447
10076	15/01/2021	1	1.3	1.3.1.3	22011012881018	961	125	49.6	31	7.16	19.2	2.9	222	55.7	25.09	75.54	1	1	1	1	1	50.45	66.79004955
10077	15/01/2021	1	1.3	1.3.1.3	-	968	101	41.4	31	7.04	17.35	5.321	218	92.3	42.30	75.58	1	1	1	1	1	33.28	44.03137956
10078	15/01/2021	1	1.3	1.3.1.3	22011012780872	980	43	30	31	6.08	14.8	2.9	188	42.9	22.77	75.66	1	1	1	1	1	52.89	69.90186516

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10079	15/01/2021	1	1.3	1.3.1.3	-	985	137	44.1	32	7.2	20.5	6.15	230	126.1	54.72	75.69	1	1	1	1	1	20.97	27.70504415
10080	15/01/2021	1	1.3	1.3.1.3	22011012881020	969	15	31	31	6.9	24	1.7	214	40.8	19.07	75.59	1	1	1	1	1	56.51	74.7652607
10081	15/01/2021	1	1.3	1.3.1.3	-	988	87	35.1	31	7.33	13.4	6.14	227	82.3	36.21	75.71	1	1	1	1	1	39.50	52.17457436
10082	15/01/2021	1	1.3	1.3.1.3	22011012178592	982	95	38	31	7.13	17.2	5.13	221	88.2	39.92	75.67	1	1	1	1	1	35.75	47.24467985
10083	15/01/2021	1	1.3	1.3.1.3	-	951	30	33	31	6.89	24.5	2.9	214	71.1	33.26	75.47	1	1	1	1	1	42.21	55.92472752
10084	15/01/2021	1	1.3	1.3.1.3	22011011174588	989	42	32	31	6.76	22	3.07	210	67.5	32.23	75.72	1	1	1	1	1	43.49	57.4335631
10085	15/01/2021	1	1.3	1.3.1.3	-	994	26	45	31	7.15	25	2.1	222	52.5	23.69	75.75	1	1	1	1	1	52.06	68.73037373
10086	15/01/2021	1	1.3	1.3.1.3	22011012780861	993	129	52.6	31	7.16	20.7	5.79	222	119.9	54.00	75.74	1	1	1	1	1	21.74	28.70780087
10087	15/01/2021	1	1.3	1.3.1.3	-	993	48	29	31	6	11.9	4.5	186	53.6	28.79	75.74	1	1	1	1	1	46.95	61.98855764
10088	15/01/2021	1	1.3	1.3.1.3	22011012881053	994	32	31	31	7.04	24.4	2.85	218	69.5	31.86	75.75	1	1	1	1	1	43.88	57.93397688
10089	15/01/2021	1	1.3	1.3.1.3	-	997	42	29.5	31	5.21	12	3.65	162	43.8	27.12	75.77	1	1	1	1	1	48.65	64.20719387
10090	15/01/2021	1	1.3	1.3.1.3	-	991	33	22.1	31	4.77	9.9	3.22	148	31.9	21.56	75.73	1	1	1	1	1	54.17	71.53231102
10091	15/01/2021	1	1.3	1.3.1.3	-	991	132	52.3	31	7.34	20.2	6.12	228	123.6	54.33	75.73	1	1	1	1	1	21.40	28.25588929
10092	15/01/2021	1	1.3	1.3.1.3	-	990	35	18.2	31	5.85	6	5.7	181	34.2	18.86	75.72	1	1	1	1	1	56.86	75.09500437
10093	15/01/2021	1	1.3	1.3.1.3	-	996	131		31	7.34	19.5	5.79	228	112.9	49.62	75.76	1	1	1	1	1	26.14	34.50424356
10094	15/01/2021	1	1.3	1.3.1.3	-	837	20	3.1	32	0.1	0	0.1	3	0.0	0.00	74.74	1	1	1	1	1	74.74	100
10095	15/01/2021	1	1.3	1.3.1.3	-	851	32	65.6	30	6.38	24.8	5.59	191	138.6	72.43	74.83	0	0	0	0	0	2.40	3.209689898
10096	15/01/2021	1	1.3	1.3.1.2	vspl	880	32	59.1	31	0.05	13.5	0.03	2	0.4	26.13	75.02	1	1	1	1	1	48.89	65.16964961
10097	15/01/2021	1	1.3	1.3.1.2	vspl	885	134	56.1	32	6.4	21.1	5.51	205	116.3	56.77	75.05	1	1	1	1	0	18.28	24.35967168
10098	15/01/2021	1	1.3	1.3.1.2	vspl	789	88	67.2	32	5.65	24.2	5.08	181	122.9	68.00	74.44	1	0	0	0	0	6.44	8.65180744
10099	15/01/2021	1	1.3	1.3.1.2	vspl	807	103	62.9	32	5.73	16.1	5.15	183	82.9	45.22	74.55	1	1	1	1	1	29.33	39.34366068
10100	15/01/2021	1	1.3	1.3.1.2	2201020282432	803	106	47.6	32	7.77	19.3	4.56	249	88.0	35.40	74.53	1	1	1	1	1	39.13	52.50498771
10101	15/01/2021	1	1.3	1.3.1.2	2201020182416	890	109	51.7	32	6.71	20	5.09	215	101.8	47.41	75.08	1	1	1	1	1	27.67	36.85493031
10102	15/01/2021	1	1.3	1.3.1.2	vspl	840	127	51.8	30	6.73	20.2	5.62	202	113.5	56.23	74.76	1	1	1	1	0	18.53	24.790889
10103	15/01/2021	1	1.3	1.3.1.2	220110202551	910	49	29.8	31	6.28	12.3	4.8	195	59.0	30.33	75.21	1	1	1	1	1	44.88	59.67731691
10104	15/01/2021	1	1.3	1.3.1.2	vspl	903	87	40.2	31	6.59	14.7	5.74	204	84.4	41.30	75.17	1	1	1	1	1	33.86	45.05030308
10105	15/01/2021	1	1.3	1.3.1.2	22011020282477	914	48	28.3	31	6.64	11.3	5.27	206	59.6	28.93	75.24	1	1	1	1	1	46.30	61.54649808
10106	15/01/2021	1	1.3	1.3.1.2	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10107	15/01/2021	1	1.3	1.3.1.2	2201120282478	906	42	27.5	31	6.23	13	5.71	193	74.2	38.44	75.18	1	1	1	1	1	36.75	48.87868911
10108	15/01/2021	1	1.3	1.3.1.2	vspl	924	38	27	31	6.65	11.8	5.02	206	59.2	28.73	75.30	1	1	1	1	1	46.57	61.83988137

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10109	15/01/2021	1	1.3	1.3.1.2	2201101822510	911	126	45.5	31	6.69	20	5.45	207	109.0	52.56	75.22	1	1	1	1	1	22.66	30.12430461
10110	15/01/2021	1	1.3	1.3.1.2	vspl	908	23	49.7	31	6.67	24.6	4.29	207	105.5	51.04	75.20	1	1	1	1	1	24.16	32.12603787
10111	15/01/2021	1	1.3	1.3.1.2	220110182253	927	43	24.5	31	6.8	12	4.4	211	52.8	25.05	75.32	1	1	1	1	1	50.27	66.74477245
10112	15/01/2021	1	1.3	1.3.1.2	vspl	933	45	34	31	6.8	13	4.7	211	61.1	28.98	75.36	1	1	1	1	1	46.37	61.53676127
10113	15/01/2021	1	1.3	1.3.1.2	22011012981472	936	114	46.3	31	6.87	19	5.33	213	101.3	47.55	75.38	1	1	1	1	1	27.83	36.91487216
10114	15/01/2021	1	1.3	1.3.1.2	vspl	938	87	38.6	31	6.3	17	4.34	195	73.8	37.78	75.39	1	1	1	1	1	37.61	49.88966884
10115	15/01/2021	1	1.3	1.3.1.2	2201120182256	941	46	33.9	31	6.58	16	4.3	204	68.8	33.73	75.41	1	1	1	1	1	41.68	55.27183054
10116	15/01/2021	1	1.3	1.3.1.2	vspl	944	15	17	31	1.5	17.5	0.5	47	8.8	18.82	75.43	1	1	1	1	1	56.61	75.05262755
10117	15/01/2021	1	1.3	1.3.1.2	vspl	940	25	32.8	31	6.88	23.4	1.04	213	24.3	11.41	75.40	1	1	1	1	1	63.99	84.86730778
10118	15/01/2021	1	1.3	1.3.1.2	vspl	936	118	4.91	31	6.77	19	5.6	210	106.4	50.70	75.38	1	1	1	1	1	24.68	32.74015319
10119	15/01/2021	1	1.3	1.3.1.4	-	941	35	41	31	4.5	23.2	2.5	140	58.0	41.58	75.41	1	1	1	1	1	33.83	44.86415183
10120	15/01/2021	1	1.3	1.3.1.4	22011012480014	943	38	32.5	31	5.15	16.2	3.3	160	53.5	33.49	75.42	1	1	1	1	1	41.94	55.60167423
10121	15/01/2021	1	1.3	1.3.1.4	-	944	24	31.6	31	6.03	24.5	3.81	187	93.3	49.94	75.43	1	1	1	1	1	25.49	33.7963758
10122	15/01/2021	1	1.3	1.3.1.4	-	636	20	47	32	4.77	24	2.9	153	69.6	45.60	73.46	1	1	1	1	1	27.86	37.92578417
10123	15/01/2021	1	1.3	1.3.1.4	-	660	20	55.4	32	2.69	18.2	2.43	86	44.2	51.38	73.61	1	1	1	1	1	22.23	30.20270601
10124	15/01/2021	1	1.3	1.3.1.4	22011020282553	591	20	50.1	31	2.21	18.9	2.06	69	38.9	56.83	73.17	1	1	1	1	0	16.34	22.33032306
10125	15/01/2021	1	1.3	1.3.1.4	-	580	69	58	20	2.01	20.1	2.1	40	42.2	105.00	73.10	1	1	1	1	1	-31.90	-43.64278092
10126	15/01/2021	1	1.3	1.3.1.4	-	540	35	25.7	31	3.9	11.2	2.87	121	32.1	26.59	72.84	1	1	1	1	1	46.25	63.50009308
10127	15/01/2021	1	1.3	1.3.1.4	-	530	118	56.3	31	3.96	21.1	3.39	123	71.5	58.27	72.78	1	1	1	0	0	14.51	19.93823555
10128	15/01/2021	1	1.3	1.3.1.4	22011012981474	989	79	47.4	21	7.1	12.9	5.6	149	72.2	48.45	75.72	1	1	1	1	1	27.26	36.00961463
10129	15/01/2021	1	1.3	1.3.1.4	-	1009	25	26.3	32	2.7	16.2	1.4	86	22.7	26.25	75.84	1	1	1	1	1	49.59	65.38930114
10130	15/01/2021	1	1.3	1.3.1.4	NA	1040	91	58.8	22	6.64	14.5	6.4	146	92.8	63.53	76.04	1	1	1	0	0	12.52	16.45822754
10131	15/01/2021	1	1.3	1.3.1.4	NA	1030	96	60	31	7.57	14.9	6.2	235	92.4	39.37	75.98	1	1	1	1	1	36.61	48.18774106
10132	15/01/2021	1	1.3	1.3.1.4	22011020182248	1009	6.9	17.8	31	1.09	10.7	0.5	34	5.4	15.83	75.84	1	1	1	1	1	60.01	79.12403062
10133	15/01/2021	1	1.3	1.3.1.4	-	1001	15	19.2	31	2.2	10.5	1.3	68	13.7	20.01	75.79	1	1	1	1	1	55.78	73.59278403
10134	15/01/2021	1	1.3	1.3.1.4	22011020182246	1006	17	27.3	31	1.8	1.6	0.9	56	1.4	2.58	75.82	1	1	1	1	1	73.24	96.5965505
10135	15/01/2021	1	1.3	1.3.1.4	-	1012	87	33	31	7.3	13.5	5.9	226	79.7	35.20	75.86	1	1	1	1	1	40.67	53.60487403
10136	15/01/2021	1	1.3	1.3.1.4	-	1018	15	21.6	31	2.3	15.8	1.05	71	16.6	23.27	75.90	1	1	1	1	1	52.63	69.34451341
10137	15/01/2021	1	1.3	1.3.1.4	-	1021	17	20.6	31	1.08	17	0.4	33	6.8	20.31	75.92	1	1	1	1	1	55.61	73.24746285
10138	15/01/2021	1	1.3	1.3.1.4	22011020182260	1022	23	18.8	31	1.5	15.6	0.5	47	7.8	16.77	75.93	1	1	1	1	1	59.15	77.90741405

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10139	15/01/2021	1	1.3	1.3.1.4	-	1016	132	51.5	31	7.4	19.3	6.3	229	121.6	53.00	75.89	1	1	1	1	1	22.88	30.15600888
10140	15/01/2021	1	1.3	1.3.1.4	22011012981464	997	98	40.4	31	7.1	14.9	6.1	220	90.9	41.29	75.77	1	1	1	1	1	34.47	45.49741315
10141	15/01/2021	1	1.3	1.3.1.4	-	1001	131	51.1	31	7.4	19.5	6.29	229	122.7	53.47	75.79	1	1	1	1	1	22.32	29.45500877
10142	15/01/2021	1	1.3	1.3.1.4	22011020282556	1008	17	40.9	31	7.3	25.4	2.7	226	68.6	30.30	75.84	1	1	1	1	1	45.53	60.03952547
10143	15/01/2021	1	1.3	1.3.2.1	vspl	1002	25	24.3	32	5.2	16.1	2.5	166	40.3	24.19	75.80	1	1	1	1	1	51.61	68.08827854
10144	15/01/2021	1	1.3	1.3.2.1	vspl	1009	35	24.9	32	2.1	17.9	0.9	67	16.1	23.97	75.84	1	1	1	1	1	51.87	68.39124951
10145	15/01/2021	1	1.3	1.3.2.1	vspl	1009	27	21.3	32	2.7	17.1	1.1	86	18.8	21.77	75.84	1	1	1	1	1	54.07	71.29509499
10146	15/01/2021	1	1.3	1.3.2.1	2201012981730	1006	8.5	26.5	32	0.9	15.1	0.5	29	7.6	26.22	75.82	1	1	1	1	1	49.61	65.42633008
10147	15/01/2021	1	1.3	1.3.2.1	vspl	1009	131	22.5	31	7.2	21.1	5.7	223	120.3	53.88	75.84	1	1	1	1	1	21.96	28.95325564
10148	15/01/2021	1	1.3	1.3.2.1	220110182229	989	8.9	18.5	31	1.3	10.7	0.7	40	7.5	18.59	75.72	1	1	1	1	1	57.13	75.45339674
10149	15/01/2021	1	1.3	1.3.2.1	vspl	996	133	53.3	31	7.2	20.6	6	223	123.6	55.38	75.76	1	1	1	1	1	20.38	26.90595075
10150	15/01/2021	1	1.3	1.3.2.1	2201102028260	1006	12	16.5	31	1.5	16.3	0.5	47	8.2	17.53	75.82	1	1	1	1	1	58.30	76.88490549
10151	15/01/2021	1	1.3	1.3.2.1	vspl	1006	14	25.6	31	1.6	16	0.8	50	12.8	25.81	75.82	1	1	1	1	1	50.02	65.96550502
10152	15/01/2021	1	1.3	1.3.2.1	2201102028308	1007	28.3	20.5	31	3.8	10.5	2.4	118	25.2	21.39	75.83	1	1	1	1	1	54.44	71.78957607
10153	15/01/2021	1	1.3	1.3.2.1	vspl	1016	125	40.9	31	7.8	20.2	5.8	242	117.2	48.45	75.89	1	1	1	1	1	27.44	36.15194527
10154	15/01/2021	1	1.3	1.3.2.1	220110187290	1073	97	37.5	31	7.45	14.3	6.29	231	89.9	38.95	76.25	1	1	1	1	1	37.31	48.92473336
10155	15/01/2021	1	1.3	1.3.2.1	vspl	1005	100	39.4	31	7.2	14.4	6.01	223	86.5	38.77	75.82	1	1	1	1	1	37.04	48.85885469
10156	15/01/2021	1	1.3	1.3.2.1	220110150160	1000	100	40.3	31	7.6	21.2	6.01	236	127.4	54.08	75.79	1	1	1	1	1	21.71	28.64144266
10157	15/01/2021	1	1.3	1.3.2.1	vspl	975	133	55.2	31	6.95	20.4	5.98	215	122.0	56.62	75.63	1	1	1	1	1	19.00	25.12898468
10158	15/01/2021	1	1.3	1.3.2.1	22011011174637	981	136	53.4	31	7.2	20.1	6.2	223	124.6	55.83	75.66	1	1	1	1	1	19.83	26.20924327
10159	15/01/2021	1	1.3	1.3.2.1	vspl	960	45	29.6	31	5.35	10.1	2.16	166	21.8	13.15	75.53	1	1	1	1	1	62.38	82.5843309
10160	15/01/2021	1	1.3	1.3.2.1	2201101117465	967	124	59.7	30	7.24	19.5	5.8	217	113.1	52.07	75.57	1	1	1	1	1	23.50	31.09895996
10161	15/01/2021	1	1.3	1.3.2.1	vspl	977	91	37.5	31	7.01	17.2	6.5	217	111.8	51.45	75.64	1	1	1	1	1	24.19	31.98300176
10162	15/01/2021	1	1.3	1.3.2.1	2201101117464	935	133	53.2	32	6.87	20.8	5.66	220	117.7	53.55	75.37	1	1	1	1	1	21.82	28.94828984
10163	15/01/2021	1	1.3	1.3.2.1	vspl	923	134	53.3	32	6.88	21.1	5.69	220	120.1	54.53	75.29	1	1	1	1	1	20.76	27.57299113
10164	15/01/2021	1	1.3	1.3.2.1	vspl	947	135	52.9	32	7.01	20.2	5.75	224	116.2	51.78	75.45	1	1	1	1	1	23.67	31.37056974
10165	15/01/2021	1	1.3	1.3.2.1	vspl	914	133	52.5	31	7.06	22.5	5.9	219	132.8	60.66	75.24	1	1	1	0	0	14.58	19.37963759
10166	15/01/2021	1	1.3	1.3.2.1	vspl	947	100	41.3	30	7.09	10.2	6.08	213	62.0	29.16	75.45	1	1	1	1	1	46.29	61.3548109
10167	15/01/2021	1	1.3	1.3.2.3	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10168	15/01/2021	1	1.3	1.3.2.3	22011020182185	931	127	51.2	31	6.83	19.5	6.17	212	120.3	56.82	75.34	1	1	1	1	0	18.52	24.58002239

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10169	15/01/2021	1	1.3	1.3.2.3	-	960	128	50.2	31	7.12	10.1	5.83	221	58.9	26.68	75.53	1	1	1	1	1	48.85	64.67934438
10170	15/01/2021	1	1.3	1.3.2.3	-	957	20	20.2	30	2.15	23.9	5.89	65	140.8	218.25	75.51	1	1	1	1	1	-142.74	-189.0309895
10171	15/01/2021	1	1.3	1.3.2.3	-	927	105	61.8	23	6.41	16.1	5.75	147	92.6	62.79	75.32	1	1	1	0	0	12.53	16.63102479
10172	15/01/2021	1	1.3	1.3.2.3	22011020282478	754	131	66.7	32	6.27	24.4	5.62	201	137.1	68.35	74.21	1	0	0	0	0	5.87	7.904835557
10173	15/01/2021	1	1.3	1.3.2.3	-	959	108	44.5	30	6.98	16.2	6.34	209	102.7	49.05	75.52	1	1	1	1	1	26.47	35.05512105
10174	15/01/2021	1	1.3	1.3.2.3	-	920	75	18.5	32	2.47	15.3	0.9	79	13.8	17.42	75.27	1	1	1	1	1	57.85	76.85580851
10175	15/01/2021	1	1.3	1.3.2.3	-	543	45	58	31	2.3	18.2	2.9	71	52.8	74.03	72.86	0	0	0	0	0	-1.16	-1.597620464
10176	15/01/2021	1	1.3	1.3.2.3	22011020282304	940	82	66.1	32	6.8	23.4	4.3	218	100.6	46.24	75.40	1	1	1	1	1	29.16	38.67429402
10177	15/01/2021	1	1.3	1.3.2.3	-	954	31	56.4	32	3.3	22.3	1.7	106	37.9	35.90	75.49	1	1	1	1	1	39.59	52.445542
10178	15/01/2021	1	1.3	1.3.2.3	22011010672474	962	127	52.2	30	6.9	23.1	5.47	207	126.4	61.04	75.54	1	1	1	0	0	14.50	19.19543757
10179	15/01/2021	1	1.3	1.3.2.3	-	1000	20	20.5	30	2.04	21.6	2.64	61	57.0	93.18	75.79	1	1	1	1	0	-17.39	-22.94681153
10180	15/01/2021	1	1.3	1.3.2.3	-	1001	21	25.2	30	2.58	20	2.01	77	40.2	51.94	75.79	1	1	1	1	1	23.85	31.47336079
10181	15/01/2021	1	1.3	1.3.2.3	-	1001	30	30.1	31	2.36	18	3.02	73	54.4	74.30	75.79	0	0	0	0	0	1.49	1.965239578
10182	15/01/2021	1	1.3	1.3.2.3	2201111174650	1075	20	60.2	31	7.8	22.3	6.5	242	145.0	59.95	76.27	1	1	1	1	0	16.32	21.39847827
10183	15/01/2021	1	1.3	1.3.2.3	-	1020	120	20.2	31	6.2	18.2	3.6	192	65.5	34.09	75.91	1	1	1	1	1	41.82	55.09459373
10184	15/01/2021	1	1.3	1.3.2.3	-	1060	138	54.8	31	7.6	21.7	6.2	236	134.5	57.11	76.17	1	1	1	1	1	19.06	25.0291937
10185	15/01/2021	1	1.3	1.3.2.3	-	1041	127	51.7	31	7.3	20.1	5.8	226	116.6	51.52	76.05	1	1	1	1	1	24.53	32.25934123
10186	15/01/2021	1	1.3	1.3.2.3	10761123003547	1036	123	50.2	31	7.2	18.9	6.08	223	114.9	51.48	76.02	1	1	1	1	1	24.53	32.27267936
10187	15/01/2021	1	1.3	1.3.2.3	-	974	11	26.2	31	1.3	16.1	6.7	40	107.9	267.67	75.62	1	1	1	1	1	-192.05	-253.9657626
10188	15/01/2021	1	1.3	1.3.2.3	-	1056	96	40.6	30	6.7	17.9	4.7	201	84.1	41.86	76.14	1	1	1	1	1	34.29	45.03112324
10189	15/01/2021	1	1.3	1.3.2.3	-	1040	32	16.7	30	2.4	15.2	0.8	72	12.2	16.89	76.04	1	1	1	1	1	59.15	77.7900517
10190	15/01/2021	1	1.3	1.3.2.3	-	1011	42	29.8	32	2.9	12.3	1.6	93	19.7	21.21	75.86	1	1	1	1	1	54.65	72.04336542
10191	15/01/2021	1	1.3	1.3.2.2	-	1091	131	52.1	31	7.8	20.6	6.33	242	130.4	53.93	76.37	1	1	1	1	1	22.44	29.38435308
10192	15/01/2021	1	1.3	1.3.2.2	107611230034754	1034	77	28.8	31	7.19	11.9	5.53	223	65.8	29.52	76.00	1	1	1	1	1	46.48	61.15390706
10193	15/01/2021	1	1.3	1.3.2.2	-	1025	124	51.8	32	7.3	21.5	5.7	234	122.6	52.46	75.95	1	1	1	1	1	23.48	30.92266531
10194	15/01/2021	1	1.3	1.3.2.2	107611100003474	1039	136	54.9	32	7.49	21.7	6.1	240	132.4	55.23	76.04	1	1	1	1	1	20.81	27.36586055
10195	15/01/2021	1	1.3	1.3.2.2	-	1001	35	25.5	32	3.3	16.5	1.6	106	26.4	25.00	75.79	1	1	1	1	1	50.79	67.01516247
10196	15/01/2021	1	1.3	1.3.2.2	107611130003706	1017	101	44	31	6.8	22.5	4.3	211	96.8	45.90	75.89	1	1	1	1	1	30.00	39.52604864
10197	15/01/2021	1	1.3	1.3.2.2	1081030002504	1004	38	25.7	31	4.2	16	2.1	130	33.6	25.81	75.81	1	1	1	1	1	50.01	65.95975865
10198	15/01/2021	1	1.3	1.3.2.2	-	1009	17	26.9	31	1.9	15.8	1.03	59	16.3	27.63	75.84	1	1	1	1	1	48.21	63.56992396

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10199	15/01/2021	1	1.3	1.3.2.2	-	1024	35	24.3	31	2.5	15.8	1.3	78	20.5	26.50	75.94	1	1	1	1	1	49.44	65.09959783
10200	15/01/2021	1	1.3	1.3.2.2	-	1031	27	18.1	31	2.8	16.6	2.9	87	48.1	55.46	75.98	1	1	1	1	1	20.52	27.01024224
10201	15/01/2021	1	1.3	1.3.2.2	-	1032	22	26	30	2.9	16	1.3	87	20.8	23.91	75.99	1	1	1	1	1	52.08	68.53823624
10202	15/01/2021	1	1.3	1.3.2.2	-	1053	18	26.1	31	2.09	15.7	1.1	65	17.3	26.66	76.13	1	1	1	1	1	49.47	64.98485646
10203	15/01/2021	1	1.3	1.3.2.2	-	1083	32	27.3	32	3.3	14.6	2.1	106	30.7	29.03	76.32	1	1	1	1	1	47.28	61.95603231
10204	15/01/2021	1	1.3	1.3.2.2	10610100002060	605	41	37.2	33	3.19	17.3	2.27	105	39.3	37.31	73.26	1	1	1	1	1	35.95	49.07719952
10205	15/01/2021	1	1.3	1.3.2.2	-	866	14.7	26.4	33	1.6	16.1	0.8	53	12.9	24.39	74.93	1	1	1	1	1	50.53	67.44366703
10206	15/01/2021	1	1.3	1.3.2.2	103601230002079	835	23	27.1	33	2.4	16.5	1.3	79	21.5	27.08	74.73	1	1	1	1	1	47.65	63.7584192
10207	15/01/2021	1	1.3	1.3.2.2	-	825	49	46	33	5.8	12.9	4.5	191	58.1	30.33	74.67	1	1	1	1	1	44.34	59.38023517
10208	15/01/2021	1	1.3	1.3.2.2	103101230002575	773	35	28.9	33	3.54	16.3	2.7	117	44.0	37.67	74.33	1	1	1	1	1	36.66	49.31828092
10209	15/01/2021	1	1.3	1.3.2.2	-	797	118	48.8	33	5.69	20.6	4.39	188	90.4	48.16	74.49	1	1	1	1	1	26.32	35.34141187
10210	15/01/2021	1	1.3	1.3.2.2	103101230002548	873	21	27.5	32	2.3	15.8	1.3	74	20.5	27.91	74.97	1	1	1	1	1	47.07	62.77655389
10211	16/01/2021	1	1.3	1.3.2.2	-	821	49	33.3	32	5.76	13.5	4.5	184	60.8	32.96	74.64	1	1	1	1	1	41.68	55.84296926
10212	16/01/2021	1	1.3	1.3.2.2	103101230182272	819	135	56.7	32	5.69	22.2	4.7	182	104.3	57.30	74.63	1	1	1	1	0	17.32	23.21275031
10213	16/01/2021	1	1.3	1.3.2.2	-	823	46	54	32	5.8	13.7	4.76	186	65.2	35.14	74.65	1	1	1	1	1	39.52	52.93466876
10214	16/01/2021	1	1.3	1.3.2.2	-	826	137	57.3	32	5.96	21.6	5.14	191	111.0	58.21	74.67	1	1	1	1	0	16.46	22.04202992
10215	16/01/2021	1	1.2	1.2.5.2	vspl	825	42	39	32	5.03	14.6	4.1	161	59.9	37.19	74.67	1	1	1	1	1	37.48	50.19237161
10216	16/01/2021	1	1.2	1.2.5.2	vspl	832	34	37.5	32	4.7	22.4	2.3	150	51.5	34.26	74.71	1	1	1	1	1	40.46	54.14944138
10217	16/01/2021	1	1.2	1.2.5.2	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10218	16/01/2021	1	1.2	1.2.5.2	vspl	838	28	28.3	32	2.9	16.1	1.6	93	25.8	27.76	74.75	1	1	1	1	1	46.99	62.86432405
10219	16/01/2021	1	1.2	1.2.5.2	NA	1052	67	69.2	32	7.17	24.2	7.77	229	188.0	81.95	76.12	1	0	0	0	0	-5.83	-7.665191625
10220	16/01/2021	1	1.2	1.2.5.2	NA	761	83	52.6	31	5.1	15.5	4.67	158	72.4	45.78	74.26	1	1	1	1	1	28.47	38.34293916
10221	16/01/2021	1	1.2	1.2.5.2	2201102981395	837	16	24.3	32	6.9	17.1	0.4	221	6.8	3.10	74.74	1	1	1	1	1	71.64	95.85535184
10222	16/01/2021	1	1.2	1.2.5.2	vspl	841	136	55.1	32	6.21	21.3	5.02	199	106.9	53.81	74.77	1	1	1	1	1	20.96	28.03461469
10223	16/01/2021	1	1.2	1.2.5.2	2201102981400	1100	130	53.3	30	8.01	21.2	6.2	240	131.4	54.70	76.43	1	1	1	1	1	21.73	28.42973098
10224	16/01/2021	1	1.2	1.2.5.2	vspl	1093	20	20.2	30	2.08	18.9	2.9	62	54.8	87.84	76.38	1	1	0	0	0	-11.46	-14.99758902
10225	16/01/2021	1	1.2	1.2.5.2	220110295778	735	46	55	20	2.7	14	1.9	54	26.6	49.26	74.09	1	1	1	1	1	24.83	33.51429443
10226	16/01/2021	1	1.2	1.2.5.2	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10227	16/01/2021	1	1.2	1.2.5.2	220110201821184	800	98	41.1	30	6.3	19.1	3.1	189	59.2	31.33	74.51	1	1	1	1	1	43.18	57.95232286
10228	16/01/2021	1	1.2	1.2.5.2	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10229	16/01/2021	1	1.2	1.2.5.2	22011020282305	1024	132	53.8	31	8.9	20.9	6.5	276	135.9	49.24	75.94	1	1	1	1	1	26.70	35.16050301
10230	16/01/2021	1	1.2	1.2.5.2	vspl	920	130	52.5	31	7.8	19.9	6.5	242	129.4	53.49	75.27	1	1	1	1	1	21.78	28.93346487
10231	16/01/2021	1	1.2	1.2.5.2	22011020182280	852	13	20.1	30	1.2	14.8	0.5	36	7.4	20.56	74.84	1	1	1	1	1	54.28	72.53355805
10232	16/01/2021	1	1.2	1.2.5.2	vspl	921	15	19.2	30	1	15.9	0.3	30	4.8	15.90	75.28	1	1	1	1	1	59.38	78.87896451
10233	16/01/2021	1	1.2	1.2.5.2	22011020282972	1117	135	53.3	31	8.1	20.7	6.6	251	136.6	54.41	76.53	1	1	1	1	1	22.13	28.90998324
10234	16/01/2021	1	1.2	1.2.5.2	vspl	1050	137	44.7	31	7.5	20.8	6.3	233	131.0	56.36	76.11	1	1	1	1	1	19.74	25.94369653
10235	16/01/2021	1	1.2	1.2.5.2	22011028249	1050	15	21.7	30	0.9	16.7	0.3	27	5.0	18.56	76.11	1	1	1	1	1	57.55	75.61880068
10236	16/01/2021	1	1.2	1.2.5.2	vspl	1091	138	59	30	7.5	21.5	6.2	225	133.3	59.24	76.37	1	1	1	1	0	17.12	22.42282876
10237	16/01/2021	1	1.2	1.2.5.2	vspl	711	85	50.4	30	5.28	15.5	4.6	158	71.3	45.01	73.94	1	1	1	1	1	28.92	39.11980261
10238	16/01/2021	1	1.2	1.2.5.2	vspl	698	84	42.4	31	5.01	18	3.39	155	61.0	39.29	73.85	1	1	1	1	1	34.56	46.80100035
10239	16/01/2021	1	1.2	1.2.5.4	-	693	20	20	31	2.4	17	2.02	74	34.3	46.16	73.82	1	1	1	1	1	27.67	37.47607194
10240	16/01/2021	1	1.2	1.2.5.4	22011012981517	690	10	20	31	2.7	15	2.07	84	31.1	37.10	73.80	1	1	1	1	1	36.71	49.7347305
10241	16/01/2021	1	1.2	1.2.5.4	-	674	9	14.3	30	0.6	10.5	0.2	18	2.1	11.67	73.70	1	1	1	1	1	62.03	84.16997288
10242	16/01/2021	1	1.2	1.2.5.4	22011012580470	780	20	20.1	30	2.52	18.2	2.84	76	51.7	68.37	74.38	1	0	0	0	0	6.01	8.077159415
10243	16/01/2021	1	1.2	1.2.5.4	22011012282607	790	44	27.9	31	2.8	16.2	1.6	87	25.9	29.86	74.44	1	1	1	1	1	44.58	59.88588277
10244	16/01/2021	1	1.2	1.2.5.4	-	788	20	30.9	31	2.8	21.2	2.05	87	43.5	50.07	74.43	1	1	1	1	1	24.36	32.72919174
10245	16/01/2021	1	1.2	1.2.5.4	-	764	80	41.6	32	5.4	17.1	4.1	173	70.1	40.57	74.28	1	1	1	1	1	33.70	45.3751748
10246	16/01/2021	1	1.2	1.2.5.4	22011012981399	751	90	41.9	31	5.16	18.4	3.7	160	68.1	42.56	74.19	1	1	1	1	1	31.63	42.634771
10247	16/01/2021	1	1.2	1.2.5.4	-	736	15	19	31	1.3	10.5	0.8	40	8.4	20.84	74.10	1	1	1	1	1	53.25	71.86952071
10248	16/01/2021	1	1.2	1.2.5.4	22011020282457	735	20	18	31	1.4	9	0.2	43	1.8	4.15	74.09	1	1	1	1	1	69.94	94.4021252
10249	16/01/2021	1	1.2	1.2.5.4	-	529	16	18.5	31	0.72	11	0.4	22	4.4	19.71	72.77	1	1	1	1	1	53.06	72.91077611
10250	16/01/2021	1	1.2	1.2.5.4	-	830	125	54.4	30	5.7	20	4.7	171	94.0	54.97	74.70	1	1	1	1	1	19.73	26.40932792
10251	16/01/2021	1	1.2	1.2.5.4	-	848	109	64.9	21	5.95	15.9	5.6	125	89.0	71.26	74.81	0	0	0	0	0	3.55	4.748755298
10252	16/01/2021	1	1.2	1.2.5.4	22011020282490	832	120	42.2	31	5.8	21.3	3.71	180	79.0	43.95	74.71	1	1	1	1	1	30.76	41.17249373
10253	16/01/2021	1	1.2	1.2.5.4	-	852	137	59.3	31	6.09	21.41	5.4	189	115.6	61.24	74.84	1	1	1	0	0	13.60	18.17149336
10254	16/01/2021	1	1.2	1.2.5.4	-	1001	136	56.7	31	7.1	21	6.1	220	128.1	58.20	75.79	1	1	1	1	0	17.59	23.21021922
10255	16/01/2021	1	1.2	1.2.5.4	-	1028	94	58.8	31	7.3	14.9	6.08	226	90.6	40.03	75.97	1	1	1	1	1	35.93	47.30242773
10256	16/01/2021	1	1.2	1.2.5.4	22011020282475	1035	20	20.8	10	2.5	10.2	2.6	25	26.5	106.08	76.01	1	1	1	1	1	-30.07	-39.56058413
10257	16/01/2021	1	1.2	1.2.5.4	-	923	25	34	20	3.9	10.2	2.6	78	26.5	34.00	75.29	1	1	1	1	1	41.29	54.84319965
10258	16/01/2021	1	1.2	1.2.5.4	-	964	110	45	31	7.5	18.4	5.7	233	104.9	45.11	75.56	1	1	1	1	1	30.45	40.2960503

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10259	16/01/2021	1	1.2	1.2.5.4	-	1000	120	52	31	7.01	20.1	5.6	217	112.6	51.80	75.79	1	1	1	1	1	23.99	31.65364042
10260	16/01/2021	1	1.2	1.2.5.4	22011012480005	1020	109	46.7	31	7.1	21	4.99	220	104.8	47.61	75.91	1	1	1	1	1	28.30	37.28406198
10261	16/01/2021	1	1.2	1.2.5.4	-	1020	20	20.2	30	2.4	18.2	2.6	72	47.3	65.72	75.91	1	1	0	0	0	10.19	13.42542585
10262	16/01/2021	1	1.2	1.2.5.4	22011012178560	1056	132	56.7	30	7.2	21	6.1	216	128.1	59.31	76.14	1	1	1	1	0	16.84	22.11435699
10263	16/01/2021	1	1.3	1.3.2.4	-	1049	135	59.7	30	6.4	21.1	5.5	192	116.1	60.44	76.10	1	1	1	1	0	15.66	20.5742102
10264	16/01/2021	1	1.3	1.3.2.4	10761123003630	1006	135	55.1	30	7.6	20.5	6.3	228	129.2	56.64	75.82	1	1	1	1	1	19.18	25.29484329
10265	16/01/2021	1	1.3	1.3.2.4	-	1057	132	64.5	30	7.7	22.5	5.8	231	130.5	56.49	76.15	1	1	1	1	1	19.66	25.81364018
10266	16/01/2021	1	1.3	1.3.2.4	-	1061	49	25	30	4.2	10.7	3.1	126	33.2	26.33	76.18	1	1	1	1	1	49.85	65.44153199
10267	16/01/2021	1	1.3	1.3.2.4	-	1072	129	52.6	31	7.6	20	6.3	236	126.0	53.48	76.25	1	1	1	1	1	22.77	29.858728
10268	16/01/2021	1	1.3	1.3.2.4	107611123003480	1003	46	13	30	5	17.2	2.6	150	44.7	29.81	75.81	1	1	1	1	1	45.99	60.6711237
10269	16/01/2021	1	1.3	1.3.2.4	-	1073	137	56.3	30	7.8	21.6	6.3	234	136.1	58.15	76.25	1	1	1	1	0	18.10	23.73586138
10270	16/01/2021	1	1.3	1.3.2.4	-	1061	126	51.4	30	7.9	19.8	6	237	118.8	50.13	76.18	1	1	1	1	1	26.05	34.1967036
10271	16/01/2021	1	1.3	1.3.2.4	-	910	20	58	20	2.51	20.2	2.9	50	58.6	116.69	75.21	1	1	1	1	1	-41.48	-55.15653117
10272	16/01/2021	1	1.3	1.3.2.4	103810112302579	921	18	20	20	2.45	21.5	3.04	49	65.4	133.39	75.28	1	1	1	1	1	-58.11	-77.18789366
10273	16/01/2021	1	1.3	1.3.2.4	-	724	48	33.4	32	0.6	13.2	0.42	19	5.5	28.88	74.02	1	1	1	1	1	45.14	60.99006209
10274	16/01/2021	1	1.3	1.3.2.4	-	932	124	50.2	32	6.7	19.6	5.6	214	109.8	51.19	75.35	1	1	1	1	1	24.16	32.05907588
10275	16/01/2021	1	1.3	1.3.2.4	-	957	110	45.8	31	6.7	18.5	5.4	208	99.9	48.10	75.51	1	1	1	1	1	27.41	36.30286186
10276	16/01/2021	1	1.3	1.3.2.4	-	973	138	57.4	30	6.9	23.3	5.35	207	124.7	60.22	75.61	1	1	1	1	0	15.39	20.35807668
10277	16/01/2021	1	1.3	1.3.2.4	-	1001	105	60	22	7.9	15.5	6.5	174	100.8	57.97	75.79	1	1	1	1	0	17.82	23.51617074
10278	16/01/2021	1	1.3	1.3.2.4	-	1025	114	45.6	31	7.5	18.6	5.8	233	107.9	46.40	75.95	1	1	1	1	1	29.55	38.90395808
10279	16/01/2021	1	1.3	1.3.2.4	103810112302552	1037	83	35.4	30	7.07	16.9	4.6	212	77.7	36.65	76.02	1	1	1	1	1	39.37	51.78746061
10280	16/01/2021	1	1.3	1.3.2.4	-	1046	92	37.4	31	7.4	16.1	5.4	229	86.9	37.90	76.08	1	1	1	1	1	38.18	50.18576847
10281	16/01/2021	1	1.3	1.3.2.4	103810112302544	1055	30	24.7	30	3.9	15.1	1.9	117	28.7	24.52	76.14	1	1	1	1	1	51.62	67.79352292
10282	16/01/2021	1	1.3	1.3.2.4	-	1046	133	54.6	30	7.7	20.4	6.3	231	128.5	55.64	76.08	1	1	1	1	1	20.44	26.8716205
10283	16/01/2021	1	1.3	1.3.2.4	-	1062	81	40.2	30	6.1	16	4.7	183	75.2	41.09	76.18	1	1	1	1	1	35.09	46.06013933
10284	16/01/2021	1	1.3	1.3.2.4	-	718	35	28.9	32	4.05	15	2.4	130	36.0	27.78	73.98	1	1	1	1	1	46.20	62.45292348
10285	16/01/2021	1	1.3	1.3.2.4	22011012981590	700	95	47.1	31	5.08	18.4	4.13	157	76.0	48.26	73.87	1	1	1	1	1	25.61	34.67222198
10286	16/01/2021	1	1.2	1.2.5.1	vspl	693	47	27.9	31	4.9	16.8	2.5	152	42.0	27.65	73.82	1	1	1	1	1	46.17	62.544947
10287	16/01/2021	1	1.2	1.2.5.1	vspl	691	39	30.5	31	4.9	16.2	2.7	152	43.7	28.80	73.81	1	1	1	1	1	45.01	60.98647303
10288	16/01/2021	1	1.2	1.2.5.1	vspl	685	133	68.6	31	4.9	21.2	4.3	152	91.2	60.01	73.77	1	1	1	0	0	13.76	18.64827632

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10289	16/01/2021	1	1.2	1.2.5.1	2201101704309	717	25	67.1	30	2.9	23.1	2.6	87	60.1	69.03	73.97	1	0	0	0	0	4.94	6.678378639
10290	16/01/2021	1	1.2	1.2.5.1	vspl	996	138	62.4	31	5.7	22.7	5	177	113.5	64.23	75.76	1	1	1	0	0	11.53	15.21538488
10291	16/01/2021	1	1.2	1.2.5.1	220110873814	878	49	41	32	2.9	14.4	1.2	93	17.3	18.62	75.01	1	1	1	1	1	56.38	75.17413505
10292	16/01/2021	1	1.2	1.2.5.1	vspl	1064	20	20.6	32	2.6	18.2	6.02	83	109.6	131.69	76.20	1	1	1	1	1	-55.49	-72.82822105
10293	16/01/2021	1	1.2	1.2.5.1	2201101174727	1001	89	35.8	32	7.2	16.5	5.03	230	83.0	36.02	75.79	1	1	1	1	1	39.77	52.47262863
10294	16/01/2021	1	1.2	1.2.5.1	22011010873789	1026	76	31.9	31	7	15.2	4.6	217	69.9	32.22	75.95	1	1	1	1	1	43.73	57.57711651
10295	16/01/2021	1	1.2	1.2.5.1	vspl	626	20	39	32	4.4	14.1	4	141	56.4	40.06	73.39	1	1	1	1	1	33.34	45.421027
10296	16/01/2021	1	1.2	1.2.5.1	2201101011174740	523	49	37	32	4.3	16.7	3.1	138	51.8	37.62	72.73	1	1	1	1	1	35.11	48.27183939
10297	16/01/2021	1	1.2	1.2.5.1	vspl	620	41	30.2	31	2.09	16.3	1.4	65	22.8	35.22	73.35	1	1	1	1	1	38.13	51.98423427
10298	16/01/2021	1	1.2	1.2.5.1	220110174454	616	45	27.8	31	2.8	11.5	1.2	87	13.8	15.90	73.33	1	1	1	1	1	57.43	78.31860846
10299	16/01/2021	1	1.2	1.2.5.1	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10300	16/01/2021	1	1.2	1.2.5.1	vspl	583	108	65	31	4.2	16.5	3.8	130	62.7	48.16	73.12	1	1	1	1	1	24.96	34.13768302
10301	16/01/2021	1	1.2	1.2.5.1	vspl	587	105	55.6	31	4.2	20.2	3.7	130	74.7	57.40	73.14	1	1	1	1	0	15.74	21.51791584
10302	16/01/2021	1	1.2	1.2.5.1	220110281202	578	128	61.6	30	4.1	21.6	3.73	123	80.6	65.50	73.09	1	1	0	0	0	7.58	10.37523462
10303	16/01/2021	1	1.2	1.2.5.1	vspl	877	138	56.7	31	6.3	21.5	5.3	195	114.0	58.35	75.00	1	1	1	1	0	16.65	22.20390973
10304	16/01/2021	1	1.2	1.2.5.1	2201102081150	882	137	55.3	31	5.5	21.3	5.3	171	112.9	66.21	75.03	1	1	0	0	0	8.82	11.75471447
10305	16/01/2021	1	1.2	1.2.5.1	vspl	884	36	5.6	31	6.6	6.3	5.3	205	33.4	16.32	75.04	1	1	1	1	1	58.72	78.2531114
10306	16/01/2021	1	1.2	1.2.5.1	2201101298441	880	94	40.7	31	6.3	18.1	4.5	195	81.5	41.71	75.02	1	1	1	1	1	33.31	44.40658359
10307	16/01/2021	1	1.2	1.2.5.1	vspl	887	81	37.1	31	6.5	16.4	4.5	202	73.8	36.63	75.06	1	1	1	1	1	38.44	51.20710902
10308	16/01/2021	1	1.2	1.2.5.1	vspl	894	110	46.5	31	6.7	18.6	5.2	208	96.7	46.57	75.11	1	1	1	1	1	28.54	37.99939796
10309	16/01/2021	1	1.2	1.2.5.3	22011011174725	809	137	55.4	31	6.7	21	5.5	208	115.5	55.61	74.56	1	1	1	1	1	18.95	25.42064557
10310	16/01/2021	1	1.2	1.2.5.3	22011011174724	895	89	43.7	31	6.4	17.5	5.05	198	88.4	44.54	75.11	1	1	1	1	1	30.57	40.69833745
10311	16/01/2021	1	1.2	1.2.5.3	-	1001	20	18.2	30	2.1	21.2	2.6	63	55.1	87.49	75.79	1	1	1	0	0	-11.70	-15.43645998
10312	16/01/2021	1	1.2	1.2.5.3	22011011074301	1004	20	17.6	30	2.4	18.4	1.6	72	29.4	40.89	75.81	1	1	1	1	1	34.92	46.0651287
10313	16/01/2021	1	1.2	1.2.5.3	-	1045	18	16.5	30	2.5	18.5	2.2	75	40.7	54.27	76.07	1	1	1	1	1	21.81	28.66594807
10314	16/01/2021	1	1.2	1.2.5.3	22011010275182	1054	46	24.6	30	4.1	10.1	2.3	123	23.2	18.89	76.13	1	1	1	1	1	57.25	75.19272042
10315	16/01/2021	1	1.2	1.2.5.3	-	1034	49	19.8	30	6.7	6.3	6.6	201	41.6	20.69	76.00	1	1	1	1	1	55.32	72.78212195
10316	16/01/2021	1	1.2	1.2.5.3	-	1032	22	26.9	30	6.7	16	1.3	201	20.8	10.35	75.99	1	1	1	1	1	65.64	86.38222166
10317	16/01/2021	1	1.2	1.2.5.3	-	1034	12	20.8	30	2.5	15.5	0.9	75	14.0	18.60	76.00	1	1	1	1	1	57.40	75.52747501
10318	16/01/2021	1	1.2	1.2.5.3	22011010873816	1013	22	27.7	30	2.2	16.2	1.2	66	19.4	29.45	75.87	1	1	1	1	1	46.41	61.17720306

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10319	16/01/2021	1	1.2	1.2.5.3	-	1019	15	26.8	30	2.4	16.5	2.4	72	39.6	55.00	75.91	1	1	1	1	1	20.91	27.54348708
10320	16/01/2021	1	1.2	1.2.5.3	-	1035	19	26	30	2.2	15.5	1.2	66	18.6	28.18	76.01	1	1	1	1	1	47.83	62.92353877
10321	16/01/2021	1	1.2	1.2.5.3	-	1033	87	39.6	30	6.8	17.1	4.8	204	82.1	40.24	76.00	1	1	1	1	1	35.76	47.05687299
10322	16/01/2021	1	1.2	1.2.5.3	22011010873769	1035	44	28.7	30	3.1	15.4	2.4	93	37.0	39.74	76.01	1	1	1	1	1	36.27	47.71485925
10323	16/01/2021	1	1.2	1.2.5.3	-	1020	133	44.8	30	7.4	21.3	5.9	222	125.7	56.61	75.91	1	1	1	1	1	19.31	25.43126682
10324	16/01/2021	1	1.2	1.2.5.3	-	1023	17	22.22	30	2.5	15.1	1.1	75	16.6	22.15	75.93	1	1	1	1	1	53.79	70.83401376
10325	16/01/2021	1	1.2	1.2.5.3	-	1042	128	51.3	30	2.5	19.7	6.2	75	122.1	162.85	76.05	1	1	1	1	1	-86.80	-114.1263054
10326	16/01/2021	1	1.2	1.2.5.3	22011011174645	1041	138	55.3	30	7.3	21.2	6.2	219	131.4	60.02	76.05	1	1	1	1	0	16.03	21.0788592
10327	16/01/2021	1	1.2	1.2.5.3	-	989	83	42.2	30	5.9	17.9	4.3	177	77.0	43.49	75.72	1	1	1	1	1	32.23	42.56682149
10328	16/01/2021	1	1.2	1.2.5.3	-	993	49	30.4	30	3	17.1	2.4	90	41.0	45.60	75.74	1	1	1	1	1	30.14	39.79498608
10329	16/01/2021	1	1.2	1.2.5.3	-	990	114	46	30	7.3	18.5	5.4	219	99.9	45.62	75.72	1	1	1	1	1	30.11	39.75801173
10330	16/01/2021	1	1.2	1.2.5.3	22011012981590	992	91	38.2	30	7.1	16.9	4.99	213	84.3	39.59	75.73	1	1	1	1	1	36.14	47.7228186
10331	16/01/2021	1	1.2	1.2.5.3	-	1090	72	31.8	30	6.9	15.3	6.4	207	97.9	47.30	76.36	1	1	1	1	1	29.06	38.05250278
10332	16/01/2021	1	1.2	1.2.5.3	22011012981490	989	46	26.4	30	3.4	16.9	2.6	102	43.9	43.08	75.72	1	1	1	1	1	32.64	43.10494618
10333	16/01/2021	1	1.2	1.2.4.3	-	991	45	29.9	30	3.5	15.3	2.3	105	35.2	33.51	75.73	1	1	1	1	1	42.21	55.74409902
10334	16/01/2021	1	1.2	1.2.4.3	22011011174728	998	101	41.7	30	7.2	17.7	5.2	216	92.0	42.61	75.77	1	1	1	1	1	33.16	43.76493125
10335	16/01/2021	1	1.2	1.2.4.3	22011012074357	993	132	54.5	30	7.2	20.2	6.04	216	122.0	56.49	75.74	1	1	1	1	1	19.26	25.42343509
10336	16/01/2021	1	1.2	1.2.4.3	-	988	88	38	30	6.9	13.5	6	207	81.0	39.13	75.71	1	1	1	1	1	36.58	48.314822
10337	16/01/2021	1	1.2	1.2.4.3	NA	995	89	33.6	32	6.93	13	5.72	222	74.4	33.53	75.75	1	1	1	1	1	42.22	55.73600598
10338	16/01/2021	1	1.2	1.2.4.3	NA	989	89	38.1	32	6.78	17	4.89	217	83.1	38.32	75.72	1	1	1	1	1	37.40	49.3950803
10339	16/01/2021	1	1.2	1.2.4.3	22011012881097	987	89	37.3	30	6.3	16.5	4.4	189	72.6	38.41	75.70	1	1	1	1	1	37.29	49.25855
10340	16/01/2021	1	1.2	1.2.4.3	22011020282560	992	76	33.8	30	6.7	15.8	5.9	201	93.2	46.38	75.73	1	1	1	1	1	29.36	38.76248508
10341	16/01/2021	1	1.2	1.2.4.3	-	988	119	49.1	30	7.3	18.5	5.4	219	99.9	45.62	75.71	1	1	1	1	1	30.09	39.74782674
10342	16/01/2021	1	1.2	1.2.4.3	22011011174798	1000	45	32.2	30	4.5	15.2	2.7	135	41.0	30.40	75.79	1	1	1	1	1	45.39	59.88705038
10343	16/01/2021	1	1.2	1.2.4.3	-	989	137	54.1	30	7.2	19.8	6.08	216	120.4	55.73	75.72	1	1	1	1	1	19.98	26.39121484
10344	16/01/2021	1	1.2	1.2.4.3	-	769	111	52.3	32	5.7	24.5	4.9	182	120.1	65.82	74.31	1	1	0	0	0	8.49	11.42644095
10345	16/01/2021	1	1.2	1.2.4.3	-	806	135	65.5	32	5.4	23.3	4.5	173	104.9	60.68	74.54	1	1	1	0	0	13.87	18.60276113
10346	16/01/2021	1	1.2	1.2.4.3	10361011232248	804	41	20.2	32	2.9	17.3	1.7	93	29.4	31.69	74.53	1	1	1	1	1	42.84	57.47869314
10347	16/01/2021	1	1.2	1.2.4.3	-	801	20	20	20	2.2	16.2	1.6	44	25.9	58.91	74.51	1	1	1	1	0	15.60	20.94055364
10348	16/01/2021	1	1.2	1.2.4.3	-	801	123	57.1	31	5.4	20.7	4.8	167	99.4	59.35	74.51	1	1	1	1	0	15.16	20.34233401

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10349	16/01/2021	1	1.2	1.2.4.3	-	807	97	66.6	31	5.5	15	5.2	171	78.0	45.75	74.55	1	1	1	1	1	28.80	38.6353995
10350	16/01/2021	1	1.2	1.2.4.3	103610112302333	834	133	53.8	32	5.8	22.4	4.4	186	98.6	53.10	74.72	1	1	1	1	1	21.62	28.93349855
10351	16/01/2021	1	1.2	1.2.4.3	-	833	129	58.2	32	5.7	21.2	5	182	106.0	58.11	74.72	1	1	1	1	0	16.60	22.22134249
10352	16/01/2021	1	1.2	1.2.4.3	103610112302223	851	68	42	32	5.9	15	5.3	189	79.5	42.11	74.83	1	1	1	1	1	32.72	43.73018793
10353	16/01/2021	1	1.2	1.2.4.3	-	850	47	38	31	3.9	13.9	2.1	121	29.2	24.14	74.83	1	1	1	1	1	50.68	67.73324701
10354	16/01/2021	1	1.2	1.2.4.3	-	948	135	67	30	6.5	21.4	5.3	195	113.4	58.16	75.45	1	1	1	1	0	17.29	22.91367024
10355	16/01/2021	1	1.2	1.2.4.3	-	968	107	46.6	31	6.5	18.1	6.04	202	109.3	54.26	75.58	1	1	1	1	1	21.33	28.2161611
10356	16/01/2021	1	1.2	1.2.4.3	-	934	90	40.1	31	6.4	17.2	4.7	198	80.8	40.75	75.36	1	1	1	1	1	34.62	45.93415423
10357	16/01/2021	1	1.2	1.2.4.1	vspl	931	46	22.7	31	3.9	15	2.8	121	42.0	34.74	75.34	1	1	1	1	1	40.60	53.89245373
10358	16/01/2021	1	1.2	1.2.4.1	2201101174534	934	111	49.2	31	5.8	23.4	3.6	180	84.2	46.85	75.36	1	1	1	1	1	28.51	37.8319801
10359	16/01/2021	1	1.2	1.2.4.1	vspl	940	44	20.8	30	6.2	11.5	4.8	186	55.2	29.68	75.40	1	1	1	1	1	45.72	60.64107138
10360	16/01/2021	1	1.2	1.2.4.1	22011010743475	976	117	47.3	30	7.1	18.4	5.8	213	106.7	50.10	75.63	1	1	1	1	1	25.53	33.75420272
10361	16/01/2021	1	1.2	1.2.4.1	vspl	965	125	42.4	30	7	19.7	5.6	210	110.3	52.53	75.56	1	1	1	1	1	23.03	30.47651818
10362	16/01/2021	1	1.2	1.2.4.1	vspl	968	124	42.3	30	6.5	19.4	5.8	195	112.5	57.70	75.58	1	1	1	1	0	17.88	23.65487171
10363	16/01/2021	1	1.2	1.2.4.1	vspl	975	85	37.9	30	6.8	16.5	4.7	204	77.6	38.01	75.63	1	1	1	1	1	37.61	49.733285
10364	16/01/2021	1	1.2	1.2.4.1	vspl	974	128	63	30	7	21.8	6.3	210	137.3	65.40	75.62	1	1	0	0	0	10.22	13.51448566
10365	16/01/2021	1	1.2	1.2.4.1	22011012028263	970	122	51.3	30	7.03	19	5.8	211	110.2	52.25	75.59	1	1	1	1	1	23.34	30.87777833
10366	16/01/2021	1	1.2	1.2.4.1	vspl	968	41	38	30	3.8	11.3	2.3	114	26.0	22.80	75.58	1	1	1	1	1	52.78	69.83608938
10367	16/01/2021	1	1.2	1.2.4.1	vspl	973	85	36.4	30	7.1	13.9	5.8	213	80.6	37.85	75.61	1	1	1	1	1	37.76	49.94291307
10368	16/01/2021	1	1.2	1.2.4.1	vspl	981	128	24.2	30	3.3	22	2.2	99	48.4	48.89	75.66	1	1	1	1	1	26.78	35.38719809
10369	16/01/2021	1	1.2	1.2.4.1	vspl	963	135	64.5	30	6.8	22.2	6.08	204	135.0	66.16	75.55	1	1	0	0	0	9.38	12.42169886
10370	16/01/2021	1	1.2	1.2.4.1	vspl	965	123	52.8	30	7.03	21.7	5.8	211	125.9	59.68	75.56	1	1	1	1	0	15.88	21.02171421
10371	16/01/2021	1	1.2	1.2.4.1	10311013001769	956	129	55	30	6.2	20.3	5.8	186	117.7	63.30	75.50	1	1	1	0	0	12.20	16.1624021
10372	16/01/2021	1	1.2	1.2.4.1	-	945	73	34	31	6.7	13.1	5.6	208	73.4	35.32	75.43	1	1	1	1	1	40.11	53.17738244
10373	16/01/2021	1	1.2	1.2.4.1	10311013002217	928	20	32.7	31	3.1	23.4	2.2	96	51.5	53.57	75.33	1	1	1	1	1	21.76	28.88276599
10374	16/01/2021	1	1.2	1.2.4.1	-	945	13	26.2	31	1.4	15.9	0.7	43	11.1	25.65	75.43	1	1	1	1	1	49.79	66.00317988
10375	16/01/2021	1	1.2	1.2.4.1	10311013002220	977	6	14	31	0.1	15.9	0.1	3	1.6	51.29	75.64	1	1	1	1	1	24.35	32.19045968
10376	16/01/2021	1	1.2	1.2.4.1	-	941	110	62.5	30	6.5	15.9	6.2	195	98.6	50.55	75.41	1	1	1	1	1	24.85	32.95992734
10377	16/01/2021	1	1.2	1.2.4.1	10311013000	958	20	30.2	10	2	21.4	2.4	20	51.4	256.80	75.52	1	1	1	1	1	-181.28	-240.0549809
10378	16/01/2021	1	1.2	1.2.4.1	-	958	10	21.4	10	1.4	18.2	1.3	14	23.7	169.00	75.52	1	1	1	1	1	-93.48	-123.790077

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10379	16/01/2021	1	1.2	1.2.4.1	10311013000	950	137	56.1	30	7.03	21.3	5.8	211	123.5	58.58	75.47	1	1	1	1	0	16.89	22.37891912
10380	16/01/2021	1	1.2	1.2.4.4	22010122469000	965	132	54.5	30	6.9	20.5	5.8	207	118.9	57.44	75.56	1	1	1	1	0	18.12	23.98346586
10381	16/01/2021	1	1.2	1.2.4.4	22010122261834	952	120	50.6	31	6.7	19.7	5.4	208	106.4	51.22	75.48	1	1	1	1	1	24.26	32.14239888
10382	16/01/2021	1	1.2	1.2.4.4	-	885	44	30	31	3	16.6	2.9	93	48.1	51.76	75.05	1	1	1	1	1	23.29	31.02806015
10383	16/01/2021	1	1.2	1.2.4.4	22010122261829	882	49	29.9	32	3.1	15.6	2.2	99	34.3	34.60	75.03	1	1	1	1	1	40.43	53.88990362
10384	16/01/2021	1	1.2	1.2.4.4	-	889	45	30.4	32	3.4	20.3	2.9	109	58.9	54.11	75.08	1	1	1	1	1	20.97	27.92804069
10385	16/01/2021	1	1.2	1.2.4.4	-	886	134	45.5	31	6.4	21.6	5.2	198	112.3	56.61	75.06	1	1	1	1	0	18.44	24.57285025
10386	16/01/2021	1	1.2	1.2.4.4	22011011074284	882	44	27.5	31	3.9	16.3	2.1	121	34.2	28.31	75.03	1	1	1	1	1	46.72	62.26528961
10387	16/01/2021	1	1.2	1.2.4.4	-	901	78	35.4	31	6.4	20.3	4.4	198	89.3	45.02	75.15	1	1	1	1	1	30.13	40.09484555
10388	16/01/2021	1	1.2	1.2.4.4	-	915	128	55.5	32	6.3	16.5	5.5	202	90.8	45.01	75.24	1	1	1	1	1	30.23	40.17319987
10389	16/01/2021	1	1.2	1.2.4.4	-	924	34	24.1	32	3.4	16.5	1.6	109	26.4	24.26	75.30	1	1	1	1	1	51.03	67.77578383
10390	16/01/2021	1	1.2	1.2.4.4	22011010873728	907	31	27.5	30	3.2	16.1	1.8	96	29.0	30.19	75.19	1	1	1	1	1	45.00	59.85213617
10391	16/01/2021	1	1.2	1.2.4.4	-	899	25	23.8	30	3.5	15.8	1.7	105	26.9	25.58	75.14	1	1	1	1	1	49.56	65.95543178
10392	16/01/2021	1	1.2	1.2.4.4	-	914	41	24.3	31	2.4	16.9	1.1	74	18.6	24.99	75.24	1	1	1	1	1	50.25	66.7889149
10393	16/01/2021	1	1.2	1.2.4.4	22011011173858	912	20	18.2	32	1.4	10.2	1.2	45	12.2	27.32	75.22	1	1	1	1	1	47.90	63.67932519
10394	16/01/2021	1	1.2	1.2.4.4	-	917	17	26.6	31	2.02	16.4	0.4	63	6.6	10.48	75.25	1	1	1	1	1	64.78	86.07944437
10395	16/01/2021	1	1.2	1.2.4.4	-	825	7	26.4	32	0.7	16.4	0.4	22	6.6	29.29	74.67	1	1	1	1	1	45.38	60.77771103
10396	16/01/2021	1	1.2	1.2.4.4	-	834	15	19.9	31	1.5	18.8	0.5	47	9.4	20.22	74.72	1	1	1	1	1	54.51	72.94689527
10397	16/01/2021	1	1.2	1.2.4.4	22011011174796	831	93	47.6	31	5.9	15	4.9	183	73.5	40.19	74.70	1	1	1	1	1	34.52	46.20679112
10398	16/01/2021	1	1.2	1.2.4.4	-	846	137	58.2	32	6.9	21.1	5.4	221	113.9	51.60	74.80	1	1	1	1	1	23.20	31.01205225
10399	16/01/2021	1	1.2	1.2.4.4	22010122869277	851	14.5	49.5	31	6.9	22	5.3	214	116.6	54.51	74.83	1	1	1	1	1	20.32	27.15527773
10400	16/01/2021	1	1.2	1.2.4.4	-	854	113	50.9	30	6	19.3	5.09	180	98.2	54.58	74.85	1	1	1	1	1	20.28	27.08758248
10401	16/01/2021	1	1.2	1.2.4.4	-	857	12	25.8	31	1.2	16.6	0.6	37	10.0	26.77	74.87	1	1	1	1	1	48.10	64.2394718
10402	16/01/2021	1	1.2	1.2.4.2	vspl	868	29	26.6	31	3.1	15.9	1.6	96	25.4	26.47	74.94	1	1	1	1	1	48.47	64.6757397
10403	16/01/2021	1	1.2	1.2.4.2	22010112268131	864	48	30.8	32	5.9	15.2	3.8	189	57.8	30.59	74.92	1	1	1	1	1	44.32	59.16308441
10404	16/01/2021	1	1.2	1.2.4.2	vspl	871	132	57.1	31	5.9	21.8	4.8	183	104.6	57.21	74.96	1	1	1	1	0	17.75	23.67758038
10405	16/01/2021	1	1.2	1.2.4.2	2201110228127	851	28	27.7	31	2.9	15.9	1.6	90	25.4	28.30	74.83	1	1	1	1	1	46.53	62.18468336
10406	16/01/2021	1	1.2	1.2.4.2	vspl	872	17	24.1	31	1.7	16	0.8	53	12.8	24.29	74.97	1	1	1	1	1	50.68	67.60109135
10407	16/01/2021	1	1.2	1.2.4.2	2201012268124	871	113	49	31	6.2	19.3	5.1	192	98.4	51.21	74.96	1	1	1	1	1	23.75	31.68088901
10408	16/01/2021	1	1.2	1.2.4.2	vspl	975	48	29.9	30	4.6	16.7	2.6	138	43.4	31.46	75.63	1	1	1	1	1	44.16	58.39556751

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10409	16/01/2021	1	1.2	1.2.4.2	22011011174802	971	12	22.6	30	1.8	16.3	0.8	54	13.0	24.15	75.60	1	1	1	1	1	51.45	68.0581741
10410	16/01/2021	1	1.2	1.2.4.2	vspl	945	29	21.2	30	4.3	10.1	2.8	129	28.3	21.92	75.43	1	1	1	1	1	53.51	70.93819681
10411	16/01/2021	1	1.2	1.2.4.2	220110111873823	933	25	21.1	30	3.9	10.1	2.5	117	25.3	21.58	75.36	1	1	1	1	1	53.78	71.36146701
10412	16/01/2021	1	1.2	1.2.4.2	vspl	970	22	26.2	30	2.4	15	1.3	72	19.5	27.08	75.59	1	1	1	1	1	48.51	64.17264157
10413	16/01/2021	1	1.2	1.2.4.2	220110672836	989	14.3	57.2	30	7.1	21.8	5.8	213	126.4	59.36	75.72	1	1	1	1	0	16.35	21.59937668
10414	16/01/2021	1	1.2	1.2.4.2	vspl	972	23	26.7	30	2.5	15.9	1.3	75	20.7	27.56	75.61	1	1	1	1	1	48.05	63.54825227
10415	16/01/2021	1	1.2	1.2.4.2	vspl	973	17	18	30	3.8	15	1.5	114	22.5	19.74	75.61	1	1	1	1	1	55.88	73.89762356
10416	16/01/2021	1	1.2	1.2.4.2	220110127585	973	25	21.9	30	1.8	15.7	0.8	54	12.6	23.26	75.61	1	1	1	1	1	52.35	69.23915499
10417	16/01/2021	1	1.2	1.2.4.2	vspl	976	18	26.7	30	2	15.6	1	60	15.6	26.00	75.63	1	1	1	1	1	49.63	65.62319852
10418	16/01/2021	1	1.2	1.2.4.2	220110275283	968	12	23.5	30	1.6	16	0.7	48	11.2	23.33	75.58	1	1	1	1	1	52.25	69.12812534
10419	16/01/2021	1	1.2	1.2.4.2	vspl	967	17	20.8	30	2.1	15.2	0.7	63	10.6	16.89	75.57	1	1	1	1	1	58.69	77.6527508
10420	16/01/2021	1	1.2	1.2.4.2	2201113758000	962	23	26.7	30	3.5	15.8	1.3	105	20.5	19.56	75.54	1	1	1	1	1	55.98	74.10487199
10421	16/01/2021	1	1.2	1.2.4.2	vspl	984	17	19.3	30	1.6	16	6.1	48	97.6	203.33	75.68	1	1	1	1	1	-127.65	-168.6623434
10422	16/01/2021	1	1.2	1.2.4.2	220113869280	977	6.3	26.5	30	0.6	16.2	0.3	18	4.9	27.00	75.64	1	1	1	1	1	48.64	64.30403444
10423	16/01/2021	1	1.2	1.2.1.1	-	974	14	27	30	1.5	15.7	0.8	45	12.6	27.91	75.62	1	1	1	1	1	47.71	63.09011009
10424	16/01/2021	1	1.2	1.2.1.1	10008120022162	972	17	24.2	30	1.7	15.8	0.8	51	12.6	24.78	75.61	1	1	1	1	1	50.82	67.21946475
10425	16/01/2021	1	1.2	1.2.1.1	10008123000280	966	70	32.8	30	6.5	12.4	5.4	195	67.0	34.34	75.57	1	1	1	1	1	41.23	54.55976104
10426	16/01/2021	1	1.2	1.2.1.1	-	970	116	48.8	30	6.8	18.6	5.8	204	107.9	52.88	75.59	1	1	1	1	1	22.71	30.04424565
10427	16/01/2021	1	1.2	1.2.1.1	10008123000271	971	14.3	59.3	30	6.8	21.4	5.5	204	117.7	57.70	75.60	1	1	1	1	0	17.90	23.68283973
10428	16/01/2021	1	1.2	1.2.1.1	-	643	20	25.7	32	2	16.3	1.03	64	16.8	26.23	73.50	1	1	1	1	1	47.27	64.30968134
10429	16/01/2021	1	1.2	1.2.1.1	10008123000266	644	19	24.5	32	2.1	15.8	1.2	67	19.0	28.21	73.51	1	1	1	1	1	45.29	61.61718555
10430	16/01/2021	1	1.2	1.2.1.1	-	639	32	17.3	32	3.1	10.6	1.6	99	17.0	17.10	73.48	1	1	1	1	1	56.38	76.73135817
10431	16/01/2021	1	1.2	1.2.1.1	10008113000286	657	11	36	32	4.4	23.4	3.8	141	88.9	63.15	73.59	1	1	0	0	0	10.44	14.18301052
10432	16/01/2021	1	1.2	1.2.1.1	-	614	32	21.6	31	3.1	15.6	1.3	96	20.3	21.10	73.32	1	1	1	1	1	52.21	71.21619725
10433	16/01/2021	1	1.2	1.2.1.1	10008113000256	618	42	34	31	4.3	12.9	3.62	133	46.7	35.03	73.34	1	1	1	1	1	38.31	52.23386301
10434	16/01/2021	1	1.2	1.2.1.1	-	614	23.7	40	30	4.4	14.5	3.9	132	56.6	42.84	73.32	1	1	1	1	1	30.47	41.56644822
10435	17/01/2021	1	1.2	1.2.1.1	10008113000257	614	24	30.6	31	4.03	15.4	2.5	125	38.5	30.82	73.32	1	1	1	1	1	42.50	57.96630231
10436	17/01/2021	1	1.2	1.2.1.1	-	611	39	35.2	32	4.1	16.1	2.8	131	45.1	34.36	73.30	1	1	1	1	1	38.94	53.12217776
10437	17/01/2021	1	1.2	1.2.1.1	103810123002505	610	133	59.7	30	4.3	21.9	3.7	129	81.0	62.81	73.29	1	1	0	0	0	10.48	14.2939644
10438	17/01/2021	1	1.2	1.2.1.1	-	603	6	36.7	31	4.3	13.7	3.7	133	50.7	38.03	73.25	1	1	1	1	1	35.22	48.08259551

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10439	17/01/2021	1	1.2	1.2.1.1	103810130002510	603	49	32.8	31	3.2	17.8	2.3	99	40.9	41.27	73.25	1	1	1	1	1	31.98	43.65479063
10440	17/01/2021	1	1.2	1.2.1.1	-	605	32	42	31	4.3	15.2	3.8	133	57.8	43.33	73.26	1	1	1	1	1	29.93	40.85173946
10441	17/01/2021	1	1.2	1.2.1.1	-	603	94	51.5	31	4.2	19.4	3.5	130	67.9	52.15	73.25	1	1	1	1	1	21.09	28.80006112
10442	17/01/2021	1	1.2	1.2.1.1	-	600	48	35.3	32	3.1	16	2.7	99	43.2	43.55	73.23	1	1	1	1	1	29.68	40.52879155
10443	17/01/2021	1	1.2	1.2.1.1	22010121065852	592	44	36.6	31	3.9	16.7	2.7	121	45.1	37.30	73.17	1	1	1	1	1	35.88	49.03261046
10444	17/01/2021	1	1.2	1.2.1.1	-	559	14	26.4	31	1.3	16.2	0.7	40	11.3	28.14	72.96	1	1	1	1	1	44.82	61.4342524
10445	17/01/2021	1	1.2	1.2.1.1	22010121065897	562	8	25	32	1.7	15.5	0.9	54	14.0	25.64	72.98	1	1	1	1	1	47.34	64.8638003
10446	17/01/2021	1	1.2	1.2.1.3	100081123000216	566	25	26.9	32	2	16.6	1	64	16.6	25.94	73.01	1	1	1	1	1	47.07	64.47326609
10447	17/01/2021	1	1.2	1.2.1.3	103810112306623	961	17	27	30	1.8	15.3	1.04	54	15.9	29.47	75.54	1	1	1	1	1	46.07	60.99010985
10448	17/01/2021	1	1.2	1.2.1.3	-	975	20	24.4	30	2.4	15.4	1.2	72	18.5	25.67	75.63	1	1	1	1	1	49.96	66.06105484
10449	17/01/2021	1	1.2	1.2.1.3	-	966	16	24.4	31	2.3	15.6	1.1	71	17.2	24.07	75.57	1	1	1	1	1	51.50	68.15160679
10450	17/01/2021	1	1.2	1.2.1.3	-	968	17	24.8	31	2	15.2	1.05	62	16.0	25.74	75.58	1	1	1	1	1	49.84	65.94135118
10451	17/01/2021	1	1.2	1.2.1.3	100010812000269	971	14	26.7	30	1.5	15.7	0.8	45	12.6	27.91	75.60	1	1	1	1	1	47.69	63.0807362
10452	17/01/2021	1	1.2	1.2.1.3	-	964	15	26.3	31	1.7	15.9	0.8	53	12.7	24.14	75.56	1	1	1	1	1	51.42	68.05448916
10453	17/01/2021	1	1.2	1.2.1.3	-	962	23	24.2	31	2.3	15.8	1.1	71	17.4	24.38	75.54	1	1	1	1	1	51.17	67.73236288
10454	17/01/2021	1	1.2	1.2.1.3	-	971	21	25.9	31	2.3	14.9	1.3	71	19.4	27.17	75.60	1	1	1	1	1	48.43	64.06513666
10455	17/01/2021	1	1.2	1.2.1.3	100018123000265	974	13	25.9	31	1.5	15.9	0.7	47	11.1	23.94	75.62	1	1	1	1	1	51.68	68.34751325
10456	17/01/2021	1	1.2	1.2.1.3	-	964	42	32	30	6.8	24.4	2.7	204	65.9	32.29	75.56	1	1	1	1	1	43.26	57.25781061
10457	17/01/2021	1	1.2	1.2.1.3	-	983	82	34.3	30	6.7	23	5.8	201	133.4	66.37	75.68	1	1	0	0	0	9.31	12.3009847
10458	17/01/2021	1	1.2	1.2.1.3	-	971	16	27.5	30	1.4	13.4	0.9	42	12.1	28.71	75.60	1	1	1	1	1	46.89	62.01834155
10459	17/01/2021	1	1.2	1.2.1.3	-	981	84	36	30	6.9	21.7	5.8	207	125.9	60.80	75.66	1	1	1	0	0	14.86	19.64261612
10460	17/01/2021	1	1.2	1.2.1.3	-	978	127	52.1	30	7.1	19.5	5.7	213	111.2	52.18	75.65	1	1	1	1	1	23.46	31.01598173
10461	17/01/2021	1	1.2	1.2.1.3	-	971	135	57.8	30	6.6	21.7	5.5	198	119.4	60.28	75.60	1	1	1	1	0	15.32	20.26791157
10462	17/01/2021	1	1.2	1.2.1.3	-	970	22.3	19.5	30	4.1	8.8	2.8	123	24.6	20.03	75.59	1	1	1	1	1	55.56	73.49985406
10463	17/01/2021	1	1.2	1.2.1.3	22010122167798	854	40	33.2	32	3.3	12.1	2.1	106	25.4	24.06	74.85	1	1	1	1	1	50.79	67.85305859
10464	17/01/2021	1	1.2	1.2.1.3	-	515	25	17.3	31	2.8	24.3	1.5	87	36.5	41.99	72.68	1	1	1	1	1	30.69	42.22353876
10465	17/01/2021	1	1.2	1.2.1.3	-	841	131	35.5	32	6.74	21.7	6.1	216	132.4	61.37	74.77	1	1	1	0	0	13.40	17.91541499
10466	17/01/2021	1	1.2	1.2.1.3	22010121065834	843	75	42.8	31	6.6	18.3	5.5	205	100.7	49.19	74.78	1	1	1	1	1	25.59	34.21669031
10467	17/01/2021	1	1.2	1.2.1.4	22010121065851	910	104	55.9	31	6.4	20.7	4.8	198	99.4	50.08	75.21	1	1	1	1	1	25.13	33.41225215
10468	17/01/2021	1	1.2	1.2.1.4	-	918	138	57	31	6.8	21.1	5.8	211	122.4	58.06	75.26	1	1	1	1	0	17.21	22.86194153

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10469	17/01/2021	1	1.2	1.2.1.4	-	579	129	62.9	31	4.1	22.9	3.6	127	82.4	64.86	73.09	1	1	0	0	0	8.23	11.25886813
10470	17/01/2021	1	1.2	1.2.1.4	-	893	137	48.5	31	6.5	23.3	5.4	202	125.8	62.44	75.10	1	1	1	0	0	12.66	16.85660503
10471	17/01/2021	1	1.2	1.2.1.4	-	598	121	59.8	31	6.7	23.7	5.3	208	125.6	60.48	73.21	1	1	1	0	0	12.74	17.39652274
10472	17/01/2021	1	1.2	1.2.1.4	-	924	81	36.4	30	0.8	13.4	5.9	24	79.1	329.42	75.30	1	1	1	1	1	-254.12	-337.4746568
10473	17/01/2021	1	1.2	1.2.1.4	-	931	20	21.4	20	2.8	2.4	2.5	56	6.0	10.71	75.34	1	1	1	1	1	64.63	85.77958586
10474	17/01/2021	1	1.2	1.2.1.4	-	911	12	53	31	2.5	26.1	1.6	78	41.8	53.88	75.22	1	1	1	1	1	21.33	28.36153955
10475	17/01/2021	1	1.2	1.2.1.4	-	962	126	49.7	31	6.3	19.7	5.04	195	99.3	50.84	75.54	1	1	1	1	1	24.70	32.70211102
10476	17/01/2021	1	1.2	1.2.1.4	-	942	138	44	31	4.04	20.6	5.96	125	122.8	98.03	75.41	1	1	1	1	1	-22.62	-29.99116546
10477	17/01/2021	1	1.2	1.2.1.4	22010122167455	952	22	18.9	32	6.2	6.3	6.1	198	38.4	19.37	75.48	1	1	1	1	1	56.11	74.3372183
10478	17/01/2021	1	1.2	1.2.1.4	-	916	138	56.5	30	6.6	20.6	6.1	198	125.7	63.46	75.25	1	1	1	0	0	11.78	15.6598061
10479	17/01/2021	1	1.2	1.2.1.4	-	938	28	26.4	30	3.02	16.7	1.5	91	25.1	27.65	75.39	1	1	1	1	1	47.74	63.32497676
10480	17/01/2021	1	1.2	1.2.1.4	-	945	32	27.8	31	3.3	15.3	1.9	102	29.1	28.42	75.43	1	1	1	1	1	47.02	62.32942402
10481	17/01/2021	1	1.2	1.2.1.4	-	951	132	52.3	31	7.1	19.7	6.01	220	118.4	53.79	75.47	1	1	1	1	1	21.68	28.72577644
10482	17/01/2021	1	1.2	1.2.1.4	22010122167444	958	16	35.7	31	1.6	16.5	0.5	50	8.3	16.63	75.52	1	1	1	1	1	58.88	77.97446871
10483	17/01/2021	1	1.2	1.2.1.2	220101211065893	964	95	40	30	7.07	1.55	6.2	212	9.6	4.53	75.56	1	1	1	1	1	71.02	94.00324839
10484	17/01/2021	1	1.2	1.2.1.2	220101120835330	945	131	53.1	30	7.1	19.9	6.01	213	119.6	56.15	75.43	1	1	1	1	1	19.28	25.56438044
10485	17/01/2021	1	1.2	1.2.1.2	vspl	974	48	29.4	30	2.1	11.8	1.6	63	18.9	29.97	75.62	1	1	1	1	1	45.65	60.36972694
10486	17/01/2021	1	1.2	1.2.1.2	22012121065688	945	58	62.4	31	7.09	22.2	6.1	220	135.4	61.61	75.43	1	1	1	0	0	13.82	18.32150197
10487	17/01/2021	1	1.2	1.2.1.2	220101212167518	971	132	53.4	30	7.4	19.9	5.9	222	117.4	52.89	75.60	1	1	1	1	1	22.71	30.04350852
10488	17/01/2021	1	1.2	1.2.1.2	vspl	914	23	25.8	32	2.7	16.6	1.3	86	21.6	24.98	75.24	1	1	1	1	1	50.26	66.80181742
10489	17/01/2021	1	1.2	1.2.1.2	220101212167524	941	45	25.4	31	3.1	13.5	1.6	96	21.6	22.48	75.41	1	1	1	1	1	52.93	70.19352368
10490	17/01/2021	1	1.2	1.2.1.2	220101212216747	944	12	21.9	31	1.8	15.4	0.8	56	12.3	22.08	75.43	1	1	1	1	1	53.35	70.72841633
10491	17/01/2021	1	1.2	1.2.1.2	vspl	948	75	32.6	32	7.1	12.6	5.7	227	71.8	31.61	75.45	1	1	1	1	1	43.84	58.10526857
10492	17/01/2021	1	1.2	1.2.1.2	220101212167457	944	137	55.1	31	7.1	20.1	6.05	220	121.6	55.25	75.43	1	1	1	1	1	20.18	26.75110117
10493	17/01/2021	1	1.2	1.2.1.2	vspl	932	49	26.9	30	6.6	11.1	5.06	198	56.2	28.37	75.35	1	1	1	1	1	46.98	62.35386132
10494	17/01/2021	1	1.2	1.2.1.2	vspl	924	136	54.9	31	6.9	20.2	5.5	214	111.1	51.94	75.30	1	1	1	1	1	23.36	31.02199885
10495	17/01/2021	1	1.2	1.2.1.2	220101212267986	952	44	29.6	30	2.8	11.9	1.3	84	15.5	18.42	75.48	1	1	1	1	1	57.06	75.60021269
10496	17/01/2021	1	1.2	1.2.1.2	vspl	968	15	30.1	31	3.1	24	1.4	96	33.6	34.96	75.58	1	1	1	1	1	40.62	53.74037511
10497	17/01/2021	1	1.2	1.2.1.2	22010121674472	974	24	27.7	30	2.6	15.1	6.2	78	93.6	120.03	75.62	1	1	1	1	1	-44.41	-58.72292504
10498	17/01/2021	1	1.2	1.2.2.4	-	972	16	23.8	31	1.9	14.6	6.2	59	90.5	153.68	75.61	1	1	1	1	1	-78.08	-103.2677094

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10499	17/01/2021	1	1.2	1.2.2.4	22011010773259	968	20	20.4	31	2.4	20.2	2.5	74	50.5	67.88	75.58	1	1	0	0	0	7.70	10.1941434
10500	17/01/2021	1	1.2	1.2.2.4	-	971	136	55.2	31	7	21	5.8	217	121.8	56.13	75.60	1	1	1	1	1	19.47	25.75564116
10501	17/01/2021	1	1.2	1.2.2.4	-	970	17	23.1	30	2.3	16.8	1.06	69	17.8	25.81	75.59	1	1	1	1	1	49.79	65.85880407
10502	17/01/2021	1	1.2	1.2.2.4	-	971	17	27.3	30	1.9	15.1	5.7	57	86.1	151.00	75.60	1	1	1	1	1	-75.40	-99.73439294
10503	17/01/2021	1	1.2	1.2.2.4	NA	988	89	44.2	33	5.66	19	4.02	187	76.4	40.89	75.71	1	1	1	1	1	34.82	45.98671069
10504	17/01/2021	1	1.2	1.2.2.4	NA	1002	96	61.4	21	6.82	5.15	6.05	143	31.2	21.75	75.80	1	1	1	1	1	54.04	71.29902806
10505	17/01/2021	1	1.2	1.2.2.4	22011010773334	948	135	56.2	30	6.9	21.2	1.3	207	27.6	13.31	75.45	1	1	1	1	1	62.14	82.35461231
10506	17/01/2021	1	1.2	1.2.2.4	-	961	22	24	31	2.7	14.7	6.3	84	92.6	110.65	75.54	1	1	1	1	1	-35.11	-46.47926204
10507	17/01/2021	1	1.2	1.2.2.4	-	968	82	35.8	31	6.8	13.5	5.4	211	72.9	34.58	75.58	1	1	1	1	1	41.00	54.24451756
10508	17/01/2021	1	1.2	1.2.2.4	-	965	13	26	30	1.5	15.3	0.8	45	12.2	27.20	75.56	1	1	1	1	1	48.36	64.00307033
10509	17/01/2021	1	1.2	1.2.2.4	22011010873758	960	30	19	30	1.4	9.7	0.8	42	7.8	18.48	75.53	1	1	1	1	1	57.05	75.53794456
10510	17/01/2021	1	1.2	1.2.2.4	-	955	14	19	30	1.5	9.8	2.1	45	20.6	45.73	75.50	1	1	1	1	1	29.76	39.42444391
10511	17/01/2021	1	1.2	1.2.2.4	-	973	17	26	30	1.9	1.56	1	57	1.6	2.74	75.61	1	1	1	1	1	72.88	96.38047047
10512	17/01/2021	1	1.2	1.2.2.4	-	628	43	27.1	32	4.3	10	3.2	138	32.0	23.26	73.41	1	1	1	1	1	50.15	68.31857422
10513	17/01/2021	1	1.2	1.2.2.4	-	588	12	25.5	32	3.8	15.1	2.8	122	42.3	34.77	73.15	1	1	1	1	1	38.38	52.46737238
10514	17/01/2021	1	1.2	1.2.2.4	-	598	19	20.4	32	2.6	1.7	2.3	83	3.9	4.70	73.21	1	1	1	1	1	68.51	93.58104928
10515	17/01/2021	1	1.2	1.2.2.4	220110105724848	561	34	37.1	31	3.6	16.3	1.4	112	22.8	20.45	72.98	1	1	1	1	1	52.53	71.97994328
10516	17/01/2021	1	1.2	1.2.2.4	-	577	20	20.1	31	1.2	15.2	4.03	37	61.3	164.67	73.08	1	1	1	1	1	-91.59	-125.327546
10517	17/01/2021	1	1.2	1.2.2.4	-	621	11	26.7	31	1.6	15.6	3.7	50	57.7	116.37	73.36	1	1	1	1	1	-43.01	-58.62913471
10518	17/01/2021	1	1.2	1.2.2.4	22011010572446	601	26	24.9	31	2.2	17	1.05	68	17.9	26.17	73.23	1	1	1	1	1	47.06	64.26032668
10519	17/01/2021	1	1.2	1.2.2.4	-	599	20	26.6	31	1.8	16.2	0.9	56	14.6	26.13	73.22	1	1	1	1	1	47.09	64.31415597
10520	17/01/2021	1	1.2	1.2.2.4	-	574	17	23.2	31	1.4	23.3	0.4	43	9.3	21.47	73.06	1	1	1	1	1	51.58	70.60666308
10521	17/01/2021	1	1.2	1.2.2.4	22011012780647	577	29	3.6	32	1.5	16.2	2.2	48	35.6	74.25	73.08	0	0	0	0	0	-1.17	-1.602653574
10522	17/01/2021	1	1.2	1.2.2.2	vspl	564	22	24	31	1.8	16.1	0.7	56	11.3	20.20	73.00	1	1	1	1	1	52.80	72.33102733
10523	17/01/2021	1	1.2	1.2.2.2	22011010873952	561	14	27.3	31	1.5	15.9	1.04	47	16.5	35.56	72.98	1	1	1	1	1	37.42	51.27014991
10524	17/01/2021	1	1.2	1.2.2.2	vspl	560	7	25.6	31	1.2	15.7	0.5	37	7.9	21.10	72.97	1	1	1	1	1	51.87	71.08105997
10525	17/01/2021	1	1.2	1.2.2.2	22011012773248	558	23	26	31	2.8	16.2	1.6	87	25.9	29.86	72.96	1	1	1	1	1	43.10	59.06949396
10526	17/01/2021	1	1.2	1.2.2.2	vspl	564	19	25	31	2.8	15.6	1.4	87	21.8	25.16	73.00	1	1	1	1	1	47.83	65.53040139
10527	17/01/2021	1	1.2	1.2.2.2	2201101083759	724	20	26.1	30	2.4	21.4	2.1	72	44.9	62.42	74.02	1	1	1	0	0	11.60	15.67548775
10528	17/01/2021	1	1.2	1.2.2.2	vspl	715	26	58.2	2.2	5.6	2.03	2.27	12	4.6	37.40	73.96	1	1	1	1	1	36.56	49.42888363

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10529	17/01/2021	1	1.2	1.2.2.2	2201100173188	714	48	51.4	5.2	4.8	14.2	3.72	25	52.8	211.63	73.96	1	1	1	1	1	-137.68	-186.1644221
10530	17/01/2021	1	1.2	1.2.2.2	vspl	710	16	21.7	32	1.4	15.9	0.6	45	9.5	21.29	73.93	1	1	1	1	1	52.64	71.19620877
10531	17/01/2021	1	1.2	1.2.2.2	22011011067269	701	46	44.1	32	3	15.8	2.5	96	39.5	41.15	73.87	1	1	1	1	1	32.73	44.30148021
10532	17/01/2021	1	1.2	1.2.2.2	vspl	703	29	28.3	32	2.7	15.8	1.7	86	26.9	31.09	73.89	1	1	1	1	1	42.80	57.92396452
10533	17/01/2021	1	1.2	1.2.2.2	220112270062	705	33	27.8	32	5.1	16.7	1.4	163	23.4	14.33	73.90	1	1	1	1	1	59.57	80.61384558
10534	17/01/2021	1	1.2	1.2.2.2	vspl	712	31	17.7	32	5.01	16.6	0.8	160	13.3	8.28	73.94	1	1	1	1	1	65.66	88.79751222
10535	17/01/2021	1	1.2	1.2.2.2	220110174911	696	138	28.2	31	1.8	21.7	4.16	56	90.3	161.78	73.84	1	1	1	1	1	-87.94	-119.0911449
10536	17/01/2021	1	1.2	1.2.2.2	vspl	698	11	28.2	31	5.06	10.6	1.02	157	10.8	6.89	73.85	1	1	1	1	1	66.96	90.66693031
10537	17/01/2021	1	1.2	1.2.2.2	22011011274493	685	71	41.4	32	4.8	17	3.9	154	66.3	43.16	73.77	1	1	1	1	1	30.61	41.4883252
10538	17/01/2021	1	1.2	1.2.2.2	vspl	691	46	33	32	4.9	16.4	3.1	157	50.8	32.42	73.81	1	1	1	1	1	41.38	56.07075971
10539	17/01/2021	1	1.2	1.2.2.2	220110572441	674	80	56.8	21	5.07	14	4.4	106	61.6	57.86	73.70	1	1	1	1	0	15.84	21.49662516
10540	17/01/2021	1	1.2	1.2.2.2	vspl	659	49	34.7	30	2.7	15.7	1.3	81	20.4	25.20	73.60	1	1	1	1	1	48.41	65.76589886
10541	17/01/2021	1	1.2	1.2.2.2	220110572385	951	120	48.2	32	6.9	19.3	5.6	221	108.1	48.95	75.47	1	1	1	1	1	26.52	35.14281332
10542	17/01/2021	1	1.2	1.2.2.2	vspl	954	135	55.2	32	6.8	21	5.8	218	121.8	55.97	75.49	1	1	1	1	1	19.52	25.85365166
10543	17/01/2021	1	1.2	1.2.2.2	2201105767661	944	38	28.8	32	3.7	16.4	2.1	118	34.4	29.09	75.43	1	1	1	1	1	46.34	61.43608197
10544	17/01/2021	1	1.2	1.2.2.2	Damage	941	29	28.6	32	2.8	16.1	1.6	90	25.8	28.75	75.41	1	1	1	1	1	46.66	61.87427395
10545	17/01/2021	1	1.2	1.2.2.2	220110512279797	961	17	23	31	2.2	15.6	1.01	68	15.8	23.10	75.54	1	1	1	1	1	52.43	69.41522326
10546	17/01/2021	1	1.2	1.2.2.3	103810112302628	965	127	52.5	31	6.8	21.1	5.3	211	111.8	53.05	75.56	1	1	1	1	1	22.51	29.79237629
10547	17/01/2021	1	1.2	1.2.2.3	103810112302617	956	123	51.1	31	6.7	19.8	5.5	208	108.9	52.43	75.50	1	1	1	1	1	23.07	30.55849536
10548	17/01/2021	1	1.2	1.2.2.3	NA	1008	99	60.7	21	7.45	15	6.75	156	101.3	64.72	75.84	1	1	0	0	0	11.12	14.66303868
10549	17/01/2021	1	1.2	1.2.2.3	NA	1095	79	56.3	30	6.84	24.5	5.55	205	136.0	66.26	76.39	1	1	0	0	0	10.13	13.25939225
10550	17/01/2021	1	1.2	1.2.2.3	-	951	9	26.5	32	1.05	16.2	0.5	34	8.1	24.11	75.47	1	1	1	1	1	51.37	68.05833277
10551	17/01/2021	1	1.2	1.2.2.3	-	941	130	48.4	32	6.5	20.7	5.4	208	111.8	53.74	75.41	1	1	1	1	1	21.67	28.73421977
10552	17/01/2021	1	1.2	1.2.2.3	-	920	92	38.4	32	6.7	21.6	3.2	214	69.1	32.24	75.27	1	1	1	1	1	43.04	57.17139255
10553	17/01/2021	1	1.2	1.2.2.3	1036101123002500	908	119	49.8	32	6.5	19.4	5.4	208	104.8	50.37	75.20	1	1	1	1	1	24.83	33.02226065
10554	17/01/2021	1	1.2	1.2.2.3	-	958	25	24.7	32	2.9	15.8	1.4	93	22.1	23.84	75.52	1	1	1	1	1	51.68	68.43605576
10555	17/01/2021	1	1.2	1.2.2.3	-	961	104	43.2	28	7.03	18.4	4.04	197	74.3	37.76	75.54	1	1	1	1	1	37.77	50.00465739
10556	17/01/2021	1	1.2	1.2.2.3	-	961	13	19	31	1.4	16.3	0.5	43	8.2	18.78	75.54	1	1	1	1	1	56.76	75.13940055
10557	17/01/2021	1	1.2	1.2.2.3	22011010873893	969	19	23.6	31	2.2	15.3	1.1	68	16.8	24.68	75.59	1	1	1	1	1	50.91	67.35255603
10558	17/01/2021	1	1.2	1.2.2.3	-	905	27	29.3	31	2.7	15.5	1.6	84	24.8	29.63	75.18	1	1	1	1	1	45.55	60.58736648

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10559	17/01/2021	1	1.2	1.2.2.3	-	751	48	27.2	32	3.7	21.5	1.5	118	32.3	27.24	74.19	1	1	1	1	1	46.95	63.28710801
10560	17/01/2021	1	1.2	1.2.2.3	-	769	102	44.4	32	6	18.8	4.5	192	84.6	44.06	74.31	1	1	1	1	1	30.25	40.70256609
10561	17/01/2021	1	1.2	1.2.2.3	22011011174683	844	18	28.1	32	1.7	16.2	0.9	54	14.6	26.80	74.79	1	1	1	1	1	47.99	64.16321611
10562	17/01/2021	1	1.2	1.2.2.3	-	844	106	46	32	6.7	18.9	4.7	214	88.8	41.43	74.79	1	1	1	1	1	33.36	44.60057151
10563	17/01/2021	1	1.2	1.2.2.3	-	844	12	39.3	32	6.1	23	0.1	195	2.3	1.18	74.79	1	1	1	1	1	73.61	98.42449993
10564	17/01/2021	1	1.2	1.2.2.3	-	853	72	39	32	4.2	20.1	2.6	134	52.3	38.88	74.85	1	1	1	1	1	35.96	48.04753201
10565	17/01/2021	1	1.2	1.2.2.3	-	861	45	29.8	32	6.02	12.1	4.7	193	56.9	29.52	74.90	1	1	1	1	1	45.38	60.58370356
10566	17/01/2021	1	1.2	1.2.2.3	-	864	44	34.8	32	2.2	13.3	1.3	70	17.3	24.56	74.92	1	1	1	1	1	50.36	67.21689596
10567	17/01/2021	1	1.2	1.2.2.3	-	548	35	27.4	30	2.4	17.2	1.5	72	25.8	35.83	72.89	1	1	1	1	1	37.06	50.84132219
10568	17/01/2021	1	1.2	1.2.2.3	-	861	39	29.3	31	3.7	16	2.1	115	33.6	29.29	74.90	1	1	1	1	1	45.60	60.88755943
10569	17/01/2021	1	1.2	1.2.2.3	22011010873691	862	43	29.9	31	4.08	16.02	2.4	126	38.4	30.40	74.90	1	1	1	1	1	44.50	59.41609396
10570	17/01/2021	1	1.2	1.2.2.1	-	861	20	20.2	31	2.02	24.4	1.3	63	31.7	50.65	74.90	1	1	1	1	1	24.24	32.36691898
10571	17/01/2021	1	1.2	1.2.2.1	103810123002629	851	20	25.6	30	2.2	15.6	1.1	66	17.2	26.00	74.83	1	1	1	1	1	48.83	65.25569139
10572	17/01/2021	1	1.2	1.2.2.1	-	893	26	20.4	32	1.9	16.1	0.7	61	11.3	18.54	75.10	1	1	1	1	1	56.57	75.31839144
10573	17/01/2021	1	1.2	1.2.2.1	103810123002615	955	97	41.4	31	6.7	18	4.9	208	88.2	42.47	75.50	1	1	1	1	1	33.03	43.75335256
10574	17/01/2021	1	1.2	1.2.2.1	-	958	131	66.7	30	6	23.8	6.2	180	147.6	81.98	75.52	1	0	0	0	0	-6.46	-8.555107681
10575	17/01/2021	1	1.2	1.2.2.1	103810123002493	929	27	25.8	31	2.1	15.9	0.6	65	9.5	14.65	75.33	1	1	1	1	1	60.68	80.5468384
10576	17/01/2021	1	1.2	1.2.2.1	-	938	26	24.2	30	6.7	16.1	1.03	201	16.6	8.25	75.39	1	1	1	1	1	67.14	89.05645801
10577	17/01/2021	1	1.2	1.2.2.1	103811012302499	948	135	50.9	31	6.1	23.5	4.6	189	108.1	57.17	75.45	1	1	1	1	0	18.29	24.23711534
10578	17/01/2021	1	1.2	1.2.2.1	-	971	44	24.2	31	3.6	11.1	4.2	112	46.6	41.77	75.60	1	1	1	1	1	33.83	44.74342259
10579	17/01/2021	1	1.2	1.2.2.1	10381012302158	971	49	28.5	31	7.1	11.9	2.9	220	34.5	15.68	75.60	1	1	1	1	1	59.92	79.26037863
10580	17/01/2021	1	1.2	1.2.2.1	-	971	30	25.1	31	3.5	15.7	1.6	109	25.1	23.15	75.60	1	1	1	1	1	52.45	69.37572588
10581	17/01/2021	1	1.2	1.2.2.1	-	955	103	48.1	31	6.5	17.9	5.1	202	91.3	45.31	75.50	1	1	1	1	1	30.19	39.99150849
10582	17/01/2021	1	1.2	1.2.2.1	-	957	45	30.6	30	3.2	15.4	2.9	96	44.7	46.52	75.51	1	1	1	1	1	28.99	38.39181503
10583	17/01/2021	1	1.2	1.2.2.1	220110107939365	963	75	40.2	31	5.4	17.1	4.2	167	71.8	42.90	75.55	1	1	1	1	1	32.65	43.21154187
10584	17/01/2021	1	1.2	1.2.2.1	-	978	26	24.3	31	1.5	15.5	0.7	47	10.9	23.33	75.65	1	1	1	1	1	52.31	69.15424464
10585	17/01/2021	1	1.2	1.2.2.1	22011011074406	976	17	22.7	31	1.7	16.5	0.5	53	8.3	15.65	75.63	1	1	1	1	1	59.98	79.3016631
10586	17/01/2021	1	1.2	1.2.2.1	-	964	93	38.9	31	7.03	20.2	6.2	218	125.2	57.47	75.56	1	1	1	1	0	18.09	23.93946404
10587	17/01/2021	1	1.2	1.2.2.1	-	961	20	4.2	31	2.4	18.3	4.2	74	76.9	103.31	75.54	1	1	1	1	1	-27.77	-36.76380078
10588	17/01/2021	1	1.2	1.2.2.1	22011211174678	964	122	49.4	31	6.8	19.7	5.4	211	106.4	50.46	75.56	1	1	1	1	1	25.09	33.20826565

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10589	17/01/2021	1	1.2	1.2.2.1	-	958	127	53.2	30	6.8	20.7	5.5	204	113.9	55.81	75.52	1	1	1	1	1	19.71	26.09786442
10590	17/01/2021	1	1.2	1.2.2.1	220110117641	965	100	40.5	31	7.09	17.5	6.2	220	108.5	49.37	75.56	1	1	1	1	1	26.20	34.66914157
10591	17/01/2021	1	1.2	1.2.2.1	-	971	45	29.4	30	7.4	16	2.6	222	41.6	18.74	75.60	1	1	1	1	1	56.86	75.21343969
10592	17/01/2021	1	1.2	1.2.2.1	2201101174260	978	138	55.3	30	7.1	20.9	6.04	213	126.2	59.27	75.65	1	1	1	1	0	16.38	21.65302266
10593	17/01/2021	1	1.2	1.2.3.2	-	968	17	23.6	31	0.9	19.9	0.3	28	6.0	21.40	75.58	1	1	1	1	1	54.18	71.688926
10594	17/01/2021	1	1.2	1.2.3.2	103610123302059	971	92	38.3	31	6.9	16.9	5	214	84.5	39.50	75.60	1	1	1	1	1	36.10	47.74572446
10595	17/01/2021	1	1.2	1.2.3.2	-	965	44	28.9	31	4.4	15.7	2.5	136	39.3	28.78	75.56	1	1	1	1	1	46.79	61.91781607
10596	17/01/2021	1	1.2	1.2.3.2	103611012302159	961	20	20.5	31	3.4	9.9	2.2	105	21.8	20.66	75.54	1	1	1	1	1	54.87	72.64347173
10597	17/01/2021	1	1.2	1.2.3.2	-	970	72	32	30	6.1	14.6	4.3	183	62.8	34.31	75.59	1	1	1	1	1	41.29	54.61807693
10598	17/01/2021	1	1.2	1.2.3.2	10361012303778	971	23	28	31	2.4	15	1.4	74	21.0	28.23	75.60	1	1	1	1	1	47.37	62.66447472
10599	17/01/2021	1	1.2	1.2.3.2	-	974	82	39.2	31	6.2	13.2	5.8	192	76.6	39.83	75.62	1	1	1	1	1	35.79	47.32383302
10600	17/01/2021	1	1.2	1.2.3.2	1030102302375	980	12	25.4	31	1.4	15.5	0.7	43	10.9	25.00	75.66	1	1	1	1	1	50.66	66.95656771
10601	17/01/2021	1	1.2	1.2.3.2	-	975	78	34.4	31	6.8	13.5	5.4	211	72.9	34.58	75.63	1	1	1	1	1	41.04	54.2716226
10602	17/01/2021	1	1.2	1.2.3.2	103010112301984	981	91	38.1	30	7.1	13.9	6.1	213	84.8	39.81	75.66	1	1	1	1	1	35.86	47.38937765
10603	17/01/2021	1	1.2	1.2.3.2	-	986	48	55.1	30	2.6	23.2	2.02	78	46.9	60.08	75.70	1	1	1	1	0	15.61	20.62759751
10604	17/01/2021	1	1.2	1.2.3.2	10361002301911	977	100	41	31	7.07	14.8	6.2	219	91.8	41.87	75.64	1	1	1	1	1	33.77	44.64872017
10605	17/01/2021	1	1.2	1.2.3.2	-	974	17	42.2	31	1.3	27.2	0.6	40	16.3	40.50	75.62	1	1	1	1	1	35.12	46.44737883
10606	17/01/2021	1	1.2	1.2.3.2	103610212301989	971	12	22.7	30	0.7	15.3	0.3	21	4.6	21.86	75.60	1	1	1	1	1	53.74	71.08858834
10607	17/01/2021	1	1.2	1.2.3.2	-	968	134	52.1	31	7.1	21.9	5.4	220	118.3	53.73	75.58	1	1	1	1	1	21.85	28.91073088
10608	17/01/2021	1	1.2	1.2.3.2	10361012301978	974	48	29.6	31	4.6	15.7	2.8	143	44.0	30.83	75.62	1	1	1	1	1	44.79	59.23346661
10609	17/01/2021	1	1.2	1.2.3.2	-	970	12	26.4	31	1.4	16.1	0.7	43	11.3	25.97	75.59	1	1	1	1	1	49.63	65.64840869
10610	17/01/2021	1	1.2	1.2.3.2	10610112302366	971	14	23.2	30	6	15.8	4.3	180	67.9	37.74	75.60	1	1	1	1	1	37.86	50.07375034
10611	17/01/2021	1	1.2	1.2.3.2	-	975	137	55.8	30	6.9	21.3	5.7	207	121.4	58.65	75.63	1	1	1	1	0	16.97	22.44443192
10612	17/01/2021	1	1.2	1.2.3.2	-	975	107	45.3	30	6.8	18.7	5.1	204	95.4	46.75	75.63	1	1	1	1	1	28.88	38.1826356
10613	17/01/2021	1	1.2	1.2.3.2	-	978	10	19	31	2.1	16.7	0.7	65	11.7	17.96	75.65	1	1	1	1	1	57.69	76.26156154
10614	17/01/2021	1	1.2	1.2.3.2	-	977	35	49.6	18	3.3	12.5	2.5	59	31.3	52.61	75.64	1	1	1	1	1	23.03	30.44650681
10615	17/01/2021	1	1.2	1.2.3.2	vspl	975	27	27.5	32	2.7	16.7	1.4	86	23.4	27.06	75.63	1	1	1	1	1	48.57	64.21841009
10616	17/01/2021	1	1.2	1.2.3.2	2201125693464	959	26	21.8	32	2.09	16.2	0.9	67	14.6	21.80	75.52	1	1	1	1	1	53.72	71.1345338
10617	17/01/2021	1	1.2	1.2.3.1	vspl	961	16	21.7	32	2.6	16	1.2	83	19.2	23.08	75.54	1	1	1	1	1	52.46	69.44926807
10618	17/01/2021	1	1.2	1.2.3.1	220110125186	968	48	29.5	30	4.9	15.8	2.9	147	45.8	31.17	75.58	1	1	1	1	1	44.41	58.75949571

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10619	17/01/2021	1	1.2	1.2.3.1	2201101275188	971	137	57	31	6.6	22.8	5.3	205	120.8	59.06	75.60	1	1	1	1	0	16.54	21.87662555
10620	17/01/2021	1	1.2	1.2.3.1	vspl	970	126	50.7	31	6.9	20.8	5.9	214	122.7	57.37	75.59	1	1	1	1	0	18.22	24.10428867
10621	17/01/2021	1	1.2	1.2.3.1	2201101274994	963	48	22.9	31	6.1	14.3	3.1	189	44.3	23.44	75.55	1	1	1	1	1	52.11	68.9703889
10622	17/01/2021	1	1.2	1.2.3.1	vspl	973	95	38.4	31	7.2	14.1	6.2	223	87.4	39.17	75.61	1	1	1	1	1	36.45	48.20128408
10623	17/01/2021	1	1.2	1.2.3.1	2201101275235	989	26	30.9	31	2.3	24.5	1.9	71	46.6	65.29	75.72	1	1	0	0	0	10.43	13.77270004
10624	17/01/2021	1	1.2	1.2.3.1	vspl	985	17	25.6	31	1.1	16.4	0.5	34	8.2	24.05	75.69	1	1	1	1	1	51.64	68.22972543
10625	17/01/2021	1	1.2	1.2.3.1	2201101476146	978	49	19.5	31	3.06	15.8	1.98	95	31.3	32.98	75.65	1	1	1	1	1	42.67	56.40288196
10626	17/01/2021	1	1.2	1.2.3.1	vspl	971	95	57.7	20	7.1	14	6.2	142	86.8	61.13	75.60	1	1	1	0	0	14.47	19.14492441
10627	17/01/2021	1	1.2	1.2.3.1	2201101470518	964	95	39.3	30	7.1	14.3	6.2	213	88.7	41.62	75.56	1	1	1	1	1	33.93	44.90889736
10628	17/01/2021	1	1.2	1.2.3.1	vspl	965	21	24.1	31	2.7	15.4	1.3	84	20.0	23.92	75.56	1	1	1	1	1	51.64	68.34552094
10629	17/01/2021	1	1.2	1.2.3.1	220110147275004	968	44	28.3	31	4.5	15.5	2.6	140	40.3	28.89	75.58	1	1	1	1	1	46.69	61.77767899
10630	17/01/2021	1	1.2	1.2.3.1	vspl	983	22	25.2	32	2.5	15.8	1.2	80	19.0	23.70	75.68	1	1	1	1	1	51.98	68.68277368
10631	17/01/2021	1	1.2	1.2.3.1	220114159580340	974	49	24.1	30	3.1	20.6	2.04	93	42.0	45.19	75.62	1	1	1	1	1	30.43	40.24420022
10632	17/01/2021	1	1.2	1.2.3.1	-	981	32	23.7	31	1.4	15.3	0.7	43	10.7	24.68	75.66	1	1	1	1	1	50.99	67.38569346
10633	17/01/2021	1	1.2	1.2.3.1	10361011302160	978	41	21.5	31	2.3	19.7	1.6	71	31.5	44.21	75.65	1	1	1	1	1	31.44	41.55931423
10634	17/01/2021	1	1.2	1.2.3.1	-	975	91	56.8	31	6.7	14.2	5.8	208	82.4	39.65	75.63	1	1	1	1	1	35.97	47.56651658
10635	17/01/2021	1	1.2	1.2.3.1	10361011302150	976	26	20.9	28	2.5	14.9	1.1	70	16.4	23.41	75.63	1	1	1	1	1	52.22	69.04199032
10636	17/01/2021	1	1.2	1.2.3.1	-	968	137	53.7	31	7.2	20	6.1	223	122.0	54.66	75.58	1	1	1	1	1	20.92	27.68109238
10637	17/01/2021	1	1.2	1.2.3.1	103611011302213	989	137	14.4	30	2.8	16.1	0.8	84	12.9	15.33	75.72	1	1	1	1	1	60.38	79.7487792
10638	17/01/2021	1	1.2	1.2.3.1	-	968	126	52.1	30	7.4	20.6	5.6	222	115.4	51.96	75.58	1	1	1	1	1	23.62	31.24750075
10639	17/01/2021	1	1.2	1.2.3.1	10361123002214	974	24	24.6	30	1.8	15.9	0.9	54	14.3	26.50	75.62	1	1	1	1	1	49.12	64.95617538
10640	17/01/2021	1	1.2	1.2.3.3	22011011274999	981	129	51.4	31	7.2	20.7	5.6	223	115.9	51.94	75.66	1	1	1	1	1	23.73	31.36074049
10641	17/01/2021	1	1.2	1.2.3.3	22011012274995	987	8	27.2	31	0.8	15.8	0.4	25	6.3	25.48	75.70	1	1	1	1	1	50.22	66.33695059
10642	17/01/2021	1	1.2	1.2.3.3	-	985	126	40.6	30	7.1	20.3	5.6	213	113.7	53.37	75.69	1	1	1	1	1	22.32	29.48752541
10643	17/01/2021	1	1.2	1.2.3.3	22011012274995	972	17	27.2	31	1.8	16.3	0.9	56	14.7	26.29	75.61	1	1	1	1	1	49.32	65.22756871
10644	17/01/2021	1	1.2	1.2.3.3	-	968	9	26.3	31	1.05	16	0.5	33	8.0	24.58	75.58	1	1	1	1	1	51.00	67.48189634
10645	17/01/2021	1	1.2	1.2.3.3	-	967	17	21.2	32	1.6	16.4	0.7	51	11.5	22.42	75.57	1	1	1	1	1	53.15	70.3315457
10646	17/01/2021	1	1.2	1.2.3.3	-	961	125	49.1	31	6.6	23.8	4.4	205	104.7	51.18	75.54	1	1	1	1	1	24.35	32.24088559
10647	17/01/2021	1	1.2	1.2.3.3	-	974	16	18.36	31	4.4	15.8	1.6	136	25.3	18.53	75.62	1	1	1	1	1	57.09	75.49084584
10648	17/01/2021	1	1.2	1.2.3.3	-	978	133	45.9	31	6.7	21.4	5.6	208	119.8	57.70	75.65	1	1	1	1	0	17.95	23.72469931

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10649	17/01/2021	1	1.2	1.2.3.3	-	981	20	27.2	31	2.09	16.5	1.1	65	18.2	28.01	75.66	1	1	1	1	1	47.65	62.97653541
10650	17/01/2021	1	1.2	1.2.3.3	22011012275012	975	25	27.8	30	2.5	16	1.4	75	22.4	29.87	75.63	1	1	1	1	1	45.76	60.50740927
10651	17/01/2021	1	1.2	1.2.3.3	-	968	22	27.8	31	2.1	17.4	1.1	65	19.1	29.40	75.58	1	1	1	1	1	46.18	61.10021849
10652	17/01/2021	1	1.2	1.2.3.3	-	966	22	28.2	31	2.3	15.4	1.3	71	20.0	28.08	75.57	1	1	1	1	1	47.49	62.84354125
10653	17/01/2021	1	1.2	1.2.3.3	-	968	26	27	31	2.8	24.8	1.7	87	42.2	48.57	75.58	1	1	1	1	1	27.01	35.73609764
10654	17/01/2021	1	1.2	1.2.3.3	-	959	49	33.9	31	4.4	14.2	3.4	136	48.3	35.40	75.52	1	1	1	1	1	40.13	53.13267055
10655	17/01/2021	1	1.2	1.2.3.3	-	964	20	27.8	31	2.2	15.3	1.2	68	18.4	26.92	75.56	1	1	1	1	1	48.63	64.36952243
10656	17/01/2021	1	1.2	1.2.3.3	103610112302153	961	15	24.3	31	2.5	16.3	1.2	78	19.6	25.24	75.54	1	1	1	1	1	50.30	66.58735434
10657	17/01/2021	1	1.2	1.2.3.3	-	958	24	36	31	1.9	16.6	1.3	59	21.6	36.64	75.52	1	1	1	1	1	38.88	51.48341024
10658	17/01/2021	1	1.2	1.2.3.3	-	955	26	22	31	3.7	11	2.4	115	26.4	23.02	75.50	1	1	1	1	1	52.48	69.51367592
10659	17/01/2021	1	1.2	1.2.3.3	-	954	87	39.4	31	6.6	14.2	5.8	205	82.4	40.25	75.49	1	1	1	1	1	35.24	46.67730655
10660	17/01/2021	1	1.2	1.2.3.3	103610112302320	863	27	28.1	32	2.4	14.4	1.1	77	15.8	20.63	74.91	1	1	1	1	1	54.28	72.46666631
10661	17/01/2021	1	1.2	1.2.3.3	-	890	19	25.5	32	2.2	15.7	1.1	70	17.3	24.53	75.08	1	1	1	1	1	50.55	67.32738872
10662	17/01/2021	1	1.2	1.2.3.3	-	844	19	28	32	1.8	16.5	0.9	58	14.9	25.78	74.79	1	1	1	1	1	49.01	65.52737352
10663	17/01/2021	1	1.2	1.2.3.4	-	845	17	23.2	32	2.9	16.4	1.3	93	21.3	22.97	74.79	1	1	1	1	1	51.82	69.28344796
10664	17/01/2021	1	1.2	1.2.3.4	103610112302303	877	36	29.3	32	3.2	16.8	1.8	102	30.2	29.53	75.00	1	1	1	1	1	45.47	60.62436999
10665	17/01/2021	1	1.2	1.2.3.4	-	886	20	26.5	31	2	16.4	1.1	62	18.0	29.10	75.06	1	1	1	1	1	45.96	61.23345352
10666	17/01/2021	1	1.2	1.2.3.4	-	879	18	18.5	32	2.1	15.4	2.6	67	40.0	59.58	75.01	1	1	1	1	0	15.43	20.56784106
10667	17/01/2021	1	1.2	1.2.3.4	-	873	12	27.7	32	3.4	18.7	1.7	109	31.8	29.22	74.97	1	1	1	1	1	45.75	61.02774058
10668	17/01/2021	1	1.2	1.2.3.4	103610112302372	891	46	30.2	31	4.1	16.7	2.4	127	40.1	31.53	75.09	1	1	1	1	1	43.55	58.00386608
10669	17/01/2021	1	1.2	1.2.3.4	-	903	42	23.8	32	3.2	18.5	2.1	102	38.9	37.94	75.17	1	1	1	1	1	37.23	49.52524157
10670	17/01/2021	1	1.2	1.2.3.4	-	912	132	56.6	32	6.2	21.7	5.2	198	112.8	56.88	75.22	1	1	1	1	0	18.35	24.39127499
10671	18/01/2021	1	1.2	1.2.3.4	-	902	28	23.5	30	4.7	11.1	3.2	141	35.5	25.19	75.16	1	1	1	1	1	49.97	66.48231563
10672	18/01/2021	1	1.2	1.2.3.4	103610112301996	893	20	20.1	32	2.4	10.1	1.4	77	14.1	18.41	75.10	1	1	1	1	1	56.69	75.48446851
10673	18/01/2021	1	1.2	1.2.3.4	-	913	25	24	32	2.4	16.4	1.1	77	18.0	23.49	75.23	1	1	1	1	1	51.74	68.77597617
10674	18/01/2021	1	1.2	1.2.3.4	-	912	43	33.5	30	2.9	21	1.5	87	31.5	36.21	75.22	1	1	1	1	1	39.02	51.86712466
10675	18/01/2021	1	1.2	1.2.3.4	-	893	89	45.4	31	5.6	20	4.08	174	81.6	47.00	75.10	1	1	1	1	1	28.10	37.4116415
10676	18/01/2021	1	1.2	1.2.3.4	-	925	135	55.5	32	6.5	21.4	5.4	208	115.6	55.56	75.31	1	1	1	1	1	19.75	26.22408267
10677	18/01/2021	1	1.2	1.2.3.4	-	891	32	28.8	32	2.2	15.8	1.8	70	28.4	40.40	75.09	1	1	1	1	1	34.69	46.19977617
10678	18/01/2021	1	1.2	1.2.3.4	103610112302331	900	32	28.1	31	3.2	16.4	1.7	99	27.9	28.10	75.15	1	1	1	1	1	47.04	62.59968766

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10679	18/01/2021	1	1.2	1.2.3.4	-	944	131	55.2	32	6.6	21	5.2	211	109.2	51.70	75.43	1	1	1	1	1	23.72	31.45142434
10680	18/01/2021	1	1.2	1.2.3.4	-	930	124	52.9	31	6.5	21.6	2.1	202	45.4	22.51	75.34	1	1	1	1	1	52.83	70.11977189
10681	18/01/2021	1	1.2	1.2.3.4	-	978	128	51.8	32	6.9	21.1	5.5	221	116.1	52.56	75.65	1	1	1	1	1	23.09	30.5192176
10682	18/01/2021	1	1.2	1.2.3.4	-	974	36	27.7	32	3.7	15.8	2.1	118	33.2	28.02	75.62	1	1	1	1	1	47.60	62.9412895
10683	18/01/2021	1	1.2	1.2.3.4	-	976	26	22.3	31	2.4	16.6	1.3	74	21.6	29.01	75.63	1	1	1	1	1	46.63	61.64953599
10684	18/01/2021	1	1.2	1.2.3.4	-	945	13	16.1	31	2.3	17	0.7	71	11.9	16.69	75.43	1	1	1	1	1	58.74	77.87464263
10685	18/01/2021	1	1.2	1.2.3.4	-	944	25	28.3	31	2.4	16.2	1.4	74	22.7	30.48	75.43	1	1	1	1	1	44.94	59.58525663
10686	18/01/2021	1	1.2	1.2.3.4	vspl22010122869345	934	20	22.4	31	2.5	15.9	1.2	78	19.1	24.62	75.36	1	1	1	1	1	50.74	67.33256527
10687	18/01/2021	1	1.1	1.1.6.2	-	972	138	57.6	32	6.7	21.9	5.6	214	122.6	57.20	75.61	1	1	1	1	0	18.41	24.34345517
10688	18/01/2021	1	1.1	1.1.6.2	103610112302106	958	84	36	31	6.7	16.7	4.6	208	76.8	36.99	75.52	1	1	1	1	1	38.53	51.02302846
10689	18/01/2021	1	1.1	1.1.6.2	-	955	36	25.9	31	3.9	16.4	1.9	121	31.2	25.77	75.50	1	1	1	1	1	49.72	65.86218652
10690	18/01/2021	1	1.1	1.1.6.2	-	961	43	29	32	2.1	16	1.3	67	20.8	30.95	75.54	1	1	1	1	1	44.58	59.02322463
10691	18/01/2021	1	1.1	1.1.6.2	vspl	968	128	53.5	32	6.8	19.8	5.9	218	116.8	53.69	75.58	1	1	1	1	1	21.90	28.96955623
10692	18/01/2021	1	1.1	1.1.6.2	2201101672843	971	81	34.6	31	6.6	16.8	4.4	205	73.9	36.13	75.60	1	1	1	1	1	39.47	52.21052765
10693	18/01/2021	1	1.1	1.1.6.2	vspl	974	36	19.2	31	1.3	15.6	0.5	40	7.8	19.35	75.62	1	1	1	1	1	56.26	74.40499724
10694	18/01/2021	1	1.1	1.1.6.2	2201101873845	971	46	30.4	31	5.3	15.3	1.4	164	21.4	13.04	75.60	1	1	1	1	1	62.56	82.75521399
10695	18/01/2021	1	1.1	1.1.6.2	vspl	975	85	35.1	31	6.9	17.4	4.4	214	76.6	35.79	75.63	1	1	1	1	1	39.83	52.67179757
10696	18/01/2021	1	1.1	1.1.6.2	22011010873668	981	25	26.9	31	2.7	15.8	1.5	84	23.7	28.32	75.66	1	1	1	1	1	47.35	62.57762939
10697	18/01/2021	1	1.1	1.1.6.2	vspl	980	115	49.1	31	6.7	19.1	5.5	208	105.1	50.58	75.66	1	1	1	1	1	25.08	33.14949327
10698	18/01/2021	1	1.1	1.1.6.2	2201101773182	977	123	49.2	30	7.1	19.3	5.8	213	111.9	52.55	75.64	1	1	1	1	1	23.08	30.51979856
10699	18/01/2021	1	1.1	1.1.6.2	vspl	971	131	57.6	31	7.2	22.9	6.09	223	139.5	62.48	75.60	1	1	1	0	0	13.12	17.35159221
10700	18/01/2021	1	1.1	1.1.6.2	2201107873683	849	29	28.1	32	2.9	16.4	1.6	93	26.2	28.28	74.82	1	1	1	1	1	46.54	62.20794809
10701	18/01/2021	1	1.1	1.1.6.2	vspl	842	131	52.9	32	6.3	21.7	4.7	202	102.0	50.59	74.77	1	1	1	1	1	24.18	32.34314531
10702	18/01/2021	1	1.1	1.1.6.2	220110417567	858	48	29.8	32	3.3	16.8	2.09	106	35.1	33.25	74.88	1	1	1	1	1	41.63	55.59395918
10703	18/01/2021	1	1.1	1.1.6.2	vspl	844	48	30.7	32	3.01	16.7	1.9	96	31.7	32.94	74.79	1	1	1	1	1	41.85	55.95222236
10704	18/01/2021	1	1.1	1.1.6.2	22010122469931	877	134	53.4	32	6.3	21.8	5	202	109.0	54.07	75.00	1	1	1	1	1	20.93	27.90889945
10705	18/01/2021	1	1.1	1.1.6.2	vspl	843	49	31.2	32	3.8	17	2.5	122	42.5	34.95	74.78	1	1	1	1	1	39.83	53.26277474
10706	18/01/2021	1	1.1	1.1.6.2	22010122969934	854	84	37.9	32	6.06	17.6	4.2	194	73.9	38.12	74.85	1	1	1	1	1	36.73	49.07415221
10707	18/01/2021	1	1.1	1.1.6.2	vspl	531	38	21.1	31	3.4	10.6	2.3	105	24.4	23.13	72.78	1	1	1	1	1	49.65	68.21993478

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10708	18/01/2021	1	1.1	1.1.6.2	2201142486937	854	77	36	31	6.07	16.8	4.2	188	70.6	37.50	74.85	1	1	1	1	1	37.35	49.90353296
10709	18/01/2021	1	1.1	1.1.6.2	vspl	852	74	35.9	31	5.9	16.5	4.2	183	69.3	37.89	74.84	1	1	1	1	1	36.95	49.37177355
10710	18/01/2021	1	1.1	1.1.6.2	2201012286944	864	20	27.8	32	1.8	17.2	0.9	58	15.5	26.88	74.92	1	1	1	1	1	48.04	64.12629679
10711	18/01/2021	1	1.1	1.1.6.4	103610112002115	814	36	28.7	32	3.4	16.5	1.9	109	31.4	28.81	74.60	1	1	1	1	1	45.78	61.37260343
10712	18/01/2021	1	1.1	1.1.6.4	103610123002111	807	35	29.1	32	3.6	15.9	2.1	115	33.4	28.98	74.55	1	1	1	1	1	45.57	61.12130923
10713	18/01/2021	1	1.1	1.1.6.4	203610123002178	817	31	26.8	32	3.3	16	1.7	106	27.2	25.76	74.61	1	1	1	1	1	48.86	65.47926717
10714	18/01/2021	1	1.1	1.1.6.4	103610123002187	825	45	29.7	32	4.2	16.4	2.5	134	41.0	30.51	74.67	1	1	1	1	1	44.16	59.14344898
10715	18/01/2021	1	1.1	1.1.6.4	-	816	45	26.7	32	3	16.8	2.5	96	42.0	43.75	74.61	1	1	1	1	1	30.86	41.36049024
10716	18/01/2021	1	1.1	1.1.6.4	-	830	41	29.7	32	3.7	16.7	2.1	118	35.1	29.62	74.70	1	1	1	1	1	45.08	60.3470877
10717	18/01/2021	1	1.1	1.1.6.4	NA	765	90	54.6	20	6.44	13.9	5.3	129	73.7	57.20	74.28	1	1	1	1	0	17.08	22.99991254
10718	18/01/2021	1	1.1	1.1.6.4	NA	1057	95	59.5	21	7.06	14.9	6.2	148	92.4	62.31	76.15	1	1	1	0	0	13.84	18.1762288
10719	18/01/2021	1	1.1	1.1.6.4	NA	1055	97	61.7	30	7.03	15	6.29	211	94.4	44.74	76.14	1	1	1	1	1	31.40	41.24242546
10720	18/01/2021	1	1.1	1.1.6.4	220110873846	832	43	24.3	25	3.1	13.8	1.6	78	22.1	28.49	74.71	1	1	1	1	1	46.22	61.86585797
10721	18/01/2021	1	1.1	1.1.6.4	NA	1056	93	43.9	31	6.81	19.6	4.81	211	94.3	44.66	76.14	1	1	1	1	1	31.49	41.35184246
10722	18/01/2021	1	1.1	1.1.6.4	NA	1062	85	39.4	31	6.72	17.4	4.81	208	83.7	40.18	76.18	1	1	1	1	1	36.01	47.2640921
10723	18/01/2021	1	1.1	1.1.6.4	NA	1064	86	58.4	20	5.78	17.9	5.1	116	91.3	78.97	76.20	0	0	0	0	0	-2.77	-3.641927139
10724	18/01/2021	1	1.1	1.1.6.4	220110773434	833	79	54.5	21	5.7	13.4	5.02	120	67.3	56.20	74.72	1	1	1	1	0	18.52	24.7868502
10725	18/01/2021	1	1.1	1.1.6.4	220010672753	857	48	19.3	32	3.1	16.8	1.9	99	31.9	32.18	74.87	1	1	1	1	1	42.69	57.0227387
10726	18/01/2021	1	1.1	1.1.6.4	220110873763	964	33	22.1	31	4.9	19	3.3	152	62.7	41.28	75.56	1	1	1	1	1	34.28	45.3685021
10727	18/01/2021	1	1.1	1.1.6.4	220110572580	965	122	47.5	32	7.2	14.5	5.9	230	85.6	37.13	75.56	1	1	1	1	1	38.43	50.86011965
10728	18/01/2021	1	1.1	1.1.6.4	2201110873689	963	89	40.5	32	6.8	15.9	5.1	218	81.1	37.27	75.55	1	1	1	1	1	38.28	50.67370005
10729	18/01/2021	1	1.1	1.1.6.4	2201100672847	958	43	29	32	4.3	17.77	2.5	138	44.4	32.29	75.52	1	1	1	1	1	43.23	57.24734171
10730	18/01/2021	1	1.1	1.1.6.4	220112969907	960	21	27.5	32	2.09	24	1.06	67	25.4	38.04	75.53	1	1	1	1	1	37.49	49.6381868
10731	18/01/2021	1	1.1	1.1.6.4	220101970025	954	115	46.4	32	6.9	24.6	5.5	221	135.3	61.28	75.49	1	1	1	0	0	14.21	18.82914932
10732	18/01/2021	1	1.1	1.1.6.4	220101229340	958	19	20	32	3.4	17.7	2.1	109	37.2	34.16	75.52	1	1	1	1	1	41.35	54.760501
10733	18/01/2021	1	1.1	1.1.6.4	220101468938	969	96	39.8	32	6.8	16.4	5.03	218	82.5	37.91	75.59	1	1	1	1	1	37.68	49.84636836
10734	18/01/2021	1	1.1	1.1.6.1	-	963	31	27.6	32	3.2	15.9	1.8	102	28.6	27.95	75.55	1	1	1	1	1	47.60	63.00527504
10735	18/01/2021	1	1.1	1.1.6.1	-	957	26	24.1	32	2.9	23.9	1.4	93	33.5	36.06	75.51	1	1	1	1	1	39.45	52.25049333
10736	18/01/2021	1	1.1	1.1.6.1	-	972	26	24.2	30	2.4	16.7	1.1	72	18.4	25.51	75.61	1	1	1	1	1	50.09	66.25450503
10737	18/01/2021	1	1.1	1.1.6.1	103810123002519	967	27	20.6	32	4.4	10.9	2.7	141	29.4	20.90	75.57	1	1	1	1	1	54.67	72.34264777

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10738	18/01/2021	1	1.1	1.1.6.1	-	951	6	18.7	31	1.2	10.6	0.7	37	7.4	19.95	75.47	1	1	1	1	1	55.53	73.57148234
10739	18/01/2021	1	1.1	1.1.6.1	103810123002515	944	15	21.9	31	1.3	16.4	0.5	40	8.2	20.35	75.43	1	1	1	1	1	55.08	73.02394012
10740	18/01/2021	1	1.1	1.1.6.1	-	975	83	3.7	32	6.3	18.5	4.1	202	75.9	37.62	75.63	1	1	1	1	1	38.00	50.24990356
10741	18/01/2021	1	1.1	1.1.6.1	103810123002047	981	17	24.3	32	2.3	17.5	1.06	74	18.6	25.20	75.66	1	1	1	1	1	50.46	66.69000964
10742	18/01/2021	1	1.1	1.1.6.1	-	956	85	35.5	32	7.1	13.8	5.9	227	81.4	35.84	75.50	1	1	1	1	1	39.67	52.53751092
10743	18/01/2021	1	1.1	1.1.6.1	103810123002047	977	37	34.3	32	3.7	24.5	1.7	118	41.7	35.18	75.64	1	1	1	1	1	40.46	53.49296279
10744	18/01/2021	1	1.1	1.1.6.1	-	957	23.5	27.2	32	2.4	15.9	1.3	77	20.7	26.91	75.51	1	1	1	1	1	48.60	64.35733365
10745	18/01/2021	1	1.1	1.1.6.1	103610123002042	966	87	35.9	32	7.1	13.7	6.1	227	83.6	36.78	75.57	1	1	1	1	1	38.79	51.32546088
10746	18/01/2021	1	1.1	1.1.6.1	-	970	35	21.5	32	5.3	10.4	3.6	170	37.4	22.08	75.59	1	1	1	1	1	53.52	70.79732294
10747	18/01/2021	1	1.1	1.1.6.1	103610123002116	965	26	26.9	31	2.8	16.6	1.4	87	23.2	26.77	75.56	1	1	1	1	1	48.79	64.56658962
10748	18/01/2021	1	1.1	1.1.6.1	-	964	124	50.4	31	7.01	19.5	5.8	217	113.1	52.05	75.56	1	1	1	1	1	23.51	31.11633684
10749	18/01/2021	1	1.1	1.1.6.1	103610123002264	972	39	24.4	31	4.8	14.1	2.7	149	38.1	25.58	75.61	1	1	1	1	1	50.02	66.16087783
10750	18/01/2021	1	1.1	1.1.6.1	-	976	24	20.7	31	2.3	16.8	0.9	71	15.1	21.21	75.63	1	1	1	1	1	54.43	71.96152561
10751	18/01/2021	1	1.1	1.1.6.1	103610123002260	965	43	35.8	30	6.05	28.2	2.7	182	76.1	41.95	75.56	1	1	1	1	1	33.61	44.48212961
10752	18/01/2021	1	1.1	1.1.6.1	-	904	35	23	30	2.2	24	1	66	24.0	36.36	75.17	1	1	1	1	1	38.81	51.62583161
10753	18/01/2021	1	1.1	1.1.6.1	103610123002151	957	17	25.8	31	1.9	15.2	1.03	59	15.7	26.58	75.51	1	1	1	1	1	48.93	64.79888286
10754	18/01/2021	1	1.1	1.1.6.1	-	975	16	23.7	30	1.5	22.8	0.7	45	16.0	35.47	75.63	1	1	1	1	1	40.16	53.10254851
10755	18/01/2021	1	1.1	1.1.6.1	103610123002166	984	45	31.2	31	3.7	10.6	2	115	21.2	18.48	75.68	1	1	1	1	1	57.20	75.57859414
10756	18/01/2021	1	1.1	1.1.6.1	-	975	11	19.2	31	1.9	22.7	1.1	59	25.0	42.39	75.63	1	1	1	1	1	33.23	43.94270761
10757	18/01/2021	1	1.1	1.1.6.1	103610123002106	986	26	23.7	30	2.8	14.8	1.3	84	19.2	22.90	75.70	1	1	1	1	1	52.79	69.74127976
10758	18/01/2021	1	1.1	1.1.6.3	103610123002162	964	26	20.2	31	1.5	20	2.4	47	48.0	103.23	75.56	1	1	1	1	1	-27.67	-36.62231053
10759	18/01/2021	1	1.1	1.1.6.3	103610123002161	966	120	50.9	31	6.8	16.3	5.4	211	88.0	41.76	75.57	1	1	1	1	1	33.81	44.74513392
10760	18/01/2021	1	1.1	1.1.6.3	-	967	13	23.9	30	1.1	15.5	0.5	33	7.8	23.48	75.57	1	1	1	1	1	52.09	68.92502728
10761	18/01/2021	1	1.1	1.1.6.3	103810123002514	985	20	27.4	30	2.2	23.1	1.2	66	27.7	42.00	75.69	1	1	1	1	1	33.69	44.51050337
10762	18/01/2021	1	1.1	1.1.6.3	-	974	20	59.4	32	2.1	18.6	2.4	67	44.6	66.43	75.62	1	1	0	0	0	9.19	12.15429409
10763	18/01/2021	1	1.1	1.1.6.3	103810123002512	977	112	20.4	31	6.7	21.6	5.9	208	127.4	61.36	75.64	1	1	1	0	0	14.28	18.8806175
10764	18/01/2021	1	1.1	1.1.6.3	-	964	132	47.8	32	6.5	23.5	5.7	208	134.0	64.40	75.56	1	1	0	0	0	11.16	14.76602864
10765	18/01/2021	1	1.1	1.1.6.3	-	983	17	26.4	31	1.8	23.1	1.02	56	23.6	42.23	75.68	1	1	1	1	1	33.45	44.20273682
10766	18/01/2021	1	1.1	1.1.6.3	-	746	23	26.8	31	2.2	16.4	1.2	68	19.7	28.86	74.16	1	1	1	1	1	45.30	61.08933476
10767	18/01/2021	1	1.1	1.1.6.3	-	751	27	24.9	33	2.9	16.1	1.5	96	24.2	25.24	74.19	1	1	1	1	1	48.96	65.98693435

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10768	18/01/2021	1	1.1	1.1.6.3	-	761	12	21.4	32	1.5	17	0.6	48	10.2	21.25	74.26	1	1	1	1	1	53.01	71.38293804
10769	18/01/2021	1	1.1	1.1.6.3	103610123002053	758	69	70.1	31	5.2	25	4.7	161	117.5	72.89	74.24	0	0	0	0	0	1.35	1.813620586
10770	18/01/2021	1	1.1	1.1.6.3	-	768	134	58.2	32	5.3	21.6	4.7	170	101.5	59.86	74.30	1	1	1	0	0	14.44	19.43805677
10771	18/01/2021	1	1.1	1.1.6.3	-	771	32	21.9	31	2.2	24.6	0.9	68	22.1	32.46	74.32	1	1	1	1	1	41.86	56.31974114
10772	18/01/2021	1	1.1	1.1.6.3	-	779	134	58.4	31	5.4	19.6	4.8	167	94.1	56.20	74.37	1	1	1	1	0	18.17	24.43255645
10773	18/01/2021	1	1.1	1.1.6.3	103610123002263	784	109	50.4	31	5.3	23.5	4.4	164	103.4	62.93	74.40	1	1	1	0	0	11.47	15.41584286
10774	18/01/2021	1	1.1	1.1.6.3	-	781	20	20.2	32	2.4	24.4	1.6	77	39.0	50.83	74.38	1	1	1	1	1	23.55	31.66129816
10775	18/01/2021	1	1.1	1.1.6.3	-	804	20	20.5	30	4.8	16.9	2.4	144	40.6	28.17	74.53	1	1	1	1	1	46.36	62.20842345
10776	18/01/2021	1	1.1	1.1.6.3	-	795	22	24.9	32	3.2	22.4	1.5	102	33.6	32.81	74.47	1	1	1	1	1	41.66	55.94099954
10777	18/01/2021	1	1.1	1.1.6.3	103610123002228	986	34	25.6	32	3.3	16.5	1.9	106	31.4	29.69	75.70	1	1	1	1	1	46.01	60.78082974
10778	18/01/2021	1	1.1	1.1.6.3	-	991	22.5	21	31	3.1	11.3	1.9	96	21.5	22.34	75.73	1	1	1	1	1	53.39	70.49810753
10779	18/01/2021	1	1.1	1.1.6.3	-	983	26	21.2	32	2.4	16	1.06	77	17.0	22.08	75.68	1	1	1	1	1	53.59	70.81904017
10780	18/01/2021	1	1.1	1.1.6.3	-	989	31	20.1	31	4.6	10.7	2.8	143	30.0	21.01	75.72	1	1	1	1	1	54.71	72.25166588
10781	18/01/2021	1	1.1	1.1.6.3	103610123002164	997	45	38.2	31	4.1	19.4	2.6	127	50.4	39.69	75.77	1	1	1	1	1	36.08	47.6217985
10782	18/01/2021	1	1.1	1.1.5.2	2300057565	993	31	31.2	31	2.4	21.1	1.1	74	23.2	31.20	75.74	1	1	1	1	1	44.54	58.81206456
10783	18/01/2021	1	1.1	1.1.5.2	2300057173	995	28	28.6	31	2.8	23.3	1.1	87	25.6	29.53	75.75	1	1	1	1	1	46.23	61.02166253
10784	18/01/2021	1	1.1	1.1.5.2	2300058063	993	20	31.6	31	1.8	18.8	1.01	56	19.0	34.03	75.74	1	1	1	1	1	41.71	55.072439
10785	18/01/2021	1	1.1	1.1.5.2	-	995	93	43.7	32	6.4	18.5	4.6	205	85.1	41.55	75.75	1	1	1	1	1	34.20	45.1478016
10786	18/01/2021	1	1.1	1.1.5.2	2300058090	993	41	25.5	32	2.7	22.6	0.9	86	20.3	23.54	75.74	1	1	1	1	1	52.20	68.91828138
10787	18/01/2021	1	1.1	1.1.5.2	vspl22011222167932	997	131	60.3	32	6.3	22.1	5.5	202	121.6	60.29	75.77	1	1	1	1	0	15.47	20.42337973
10788	18/01/2021	1	1.1	1.1.5.2	-	1000	22	25.8	31	2.5	15.4	1.3	78	20.0	25.83	75.79	1	1	1	1	1	49.95	65.91420834
10789	18/01/2021	1	1.1	1.1.5.2	2300058091	987	19	26.8	31	2.1	16	1.4	65	22.4	34.41	75.70	1	1	1	1	1	41.29	54.54778139
10790	18/01/2021	1	1.1	1.1.5.2	-	994	16	24.3	32	1.6	16.5	0.7	51	11.6	22.56	75.75	1	1	1	1	1	53.19	70.21873465
10791	18/01/2021	1	1.1	1.1.5.2	vspl22010112167415	996	32	29	32	3.3	16.5	1.8	106	29.7	28.13	75.76	1	1	1	1	1	47.64	62.87638397
10792	18/01/2021	1	1.1	1.1.5.2	-	969	23	25.6	31	2.6	15.8	1.3	81	20.5	25.48	75.59	1	1	1	1	1	50.10	66.2856461
10793	18/01/2021	1	1.1	1.1.5.2	vspl22010112167466	980	26	27.2	31	2.7	15.4	1.5	84	23.1	27.60	75.66	1	1	1	1	1	48.06	63.52194572
10794	18/01/2021	1	1.1	1.1.5.2	-	989	17	27.1	31	1.8	16.2	1	56	16.2	29.03	75.72	1	1	1	1	1	46.68	61.65617381
10795	18/01/2021	1	1.1	1.1.5.2	vspl22011011216749	989	22	22.4	31	3.6	15.9	1.6	112	25.4	22.80	75.72	1	1	1	1	1	52.92	69.89299573

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10796	18/01/2021	1	1.1	1.1.5.2	-	967	26	25.1	31	2.5	13	1.2	78	15.6	20.13	75.57	1	1	1	1	1	55.45	73.36541776
10797	18/01/2021	1	1.1	1.1.5.2	vspl22010112981615	959	24	27.6	31	2.4	15.9	1.3	74	20.7	27.78	75.52	1	1	1	1	1	47.74	63.21380593
10798	18/01/2021	1	1.1	1.1.5.2	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10799	18/01/2021	1	1.1	1.1.5.2	vspl22010112481607	976	43	26.9	32	4.5	15.6	2.5	144	39.0	27.08	75.63	1	1	1	1	1	48.55	64.1908318
10800	18/01/2021	1	1.1	1.1.5.2	-	888	117	48.9	32	6.3	19.9	5.1	202	101.5	50.34	75.07	1	1	1	1	1	24.73	32.93885921
10801	18/01/2021	1	1.1	1.1.5.2	vspl22010112981166	890	49	24.9	33	4.3	13.8	2.3	142	31.7	22.37	75.08	1	1	1	1	1	52.71	70.20875217
10802	18/01/2021	1	1.1	1.1.5.2	-	856	121	49	33	6.4	19.9	5.2	211	103.5	49.00	74.86	1	1	1	1	1	25.87	34.5533897
10803	18/01/2021	1	1.1	1.1.5.2	vspl2201011228261	895	113	46.7	33	6.5	19.3	5.1	215	98.4	45.89	75.11	1	1	1	1	1	29.23	38.90870958
10804	18/01/2021	1	1.1	1.1.5.2	No Module								0	0.0	#DIV/0!	69.39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10805	18/01/2021	1	1.1	1.1.5.2	vspl22010112174613	912	40	28.9	32	4.1	15.8	2.4	131	37.9	28.90	75.22	1	1	1	1	1	46.32	61.57755491
10806	18/01/2021	1	1.1	1.1.5.4	-	905	126	51.4	32	6.6	20.4	5.4	211	110.2	52.16	75.18	1	1	1	1	1	23.02	30.6192092
10807	18/01/2021	1	1.1	1.1.5.4	2300057924	914	47	22.2	32	3.9	16.5	1.7	125	28.1	22.48	75.24	1	1	1	1	1	52.76	70.1258958
10808	18/01/2021	1	1.1	1.1.5.4	-	930	43	30.2	32	4.9	16.9	2.8	157	47.3	30.18	75.34	1	1	1	1	1	45.16	59.94243087
10809	18/01/2021	1	1.1	1.1.5.4	vspl22010122167463	931	45	28.9	32	3.7	20.1	2.6	118	52.3	44.14	75.34	1	1	1	1	1	31.21	41.41765876
10810	18/01/2021	1	1.1	1.1.5.4	-	939	72	33.1	32	6.8	12.6	5.1	218	64.3	29.53	75.40	1	1	1	1	1	45.86	60.83160025
10811	18/01/2021	1	1.1	1.1.5.4	vspl22010122167464	943	46	28.2	31	3.8	17.8	2.3	118	40.9	34.75	75.42	1	1	1	1	1	40.67	53.92035657
10812	18/01/2021	1	1.1	1.1.5.4	-	942	45	31	31	3.6	12.3	2.4	112	29.5	26.45	75.41	1	1	1	1	1	48.96	64.92516999
10813	18/01/2021	1	1.1	1.1.5.4	-	947	91	38.4	32	6.7	17	4.9	214	83.3	38.85	75.45	1	1	1	1	1	36.59	48.50330042
10814	18/01/2021	1	1.1	1.1.5.4	-	953	129	52.3	32	6.9	20.2	5.1	221	103.0	46.66	75.49	1	1	1	1	1	28.83	38.18972634
10815	18/01/2021	1	1.1	1.1.5.4	vspl22010122167417	947	72	31.7	31	6.5	16.2	4.1	202	66.4	32.96	75.45	1	1	1	1	1	42.48	56.30990426
10816	18/01/2021	1	1.1	1.1.5.4	-	961	92	39.4	31	6.7	16.9	5.05	208	85.3	41.09	75.54	1	1	1	1	1	34.45	45.60170306
10817	18/01/2021	1	1.1	1.1.5.4	-	974	43	28.5	31	3.9	11.9	2.2	121	26.2	21.65	75.62	1	1	1	1	1	53.97	71.3642234
10818	18/01/2021	1	1.1	1.1.5.4	-	967	94	38.8	31	7	16.9	5.1	217	86.2	39.72	75.57	1	1	1	1	1	35.86	47.44426183
10819	18/01/2021	1	1.1	1.1.5.4	vspl22010122167477	966	41	22	31	3.7	12.4	1.6	115	19.8	17.30	75.57	1	1	1	1	1	58.27	77.11040951
10820	18/01/2021	1	1.1	1.1.5.4	-	969	111	45.2	31	6.9	18.3	5.5	214	100.7	47.05	75.59	1	1	1	1	1	28.53	37.74812475
10821	18/01/2021	1	1.1	1.1.5.4	-	1000	90	37.1	31	7.1	16.6	5.6	220	93.0	42.24	75.79	1	1	1	1	1	33.55	44.27025101

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10822	18/01/2021	1	1.1	1.1.5.4	-	1000	98	41	31	7.04	17.7	5.1	218	90.3	41.36	75.79	1	1	1	1	1	34.42	45.42168746
10823	18/01/2021	1	1.1	1.1.5.4	vspl22011012981617	1003	35	29	31	3.5	16.2	2.03	109	32.9	30.31	75.81	1	1	1	1	1	45.50	60.01636112
10824	18/01/2021	1	1.1	1.1.5.4	-	1001	36	23.4	31	2.5	16.6	1.1	78	18.3	23.56	75.79	1	1	1	1	1	52.23	68.91338667
10825	18/01/2021	1	1.1	1.1.5.4	vspl22011020282585	1011	33	29.1	31	3.4	23	1.8	105	41.4	39.28	75.86	1	1	1	1	1	36.58	48.21934948
10826	18/01/2021	1	1.1	1.1.5.4	-	1015	138	55.5	31	7.3	13.9	6.3	226	87.6	38.70	75.88	1	1	1	1	1	37.19	49.00447974
10827	18/01/2021	1	1.1	1.1.5.4	vspl22011020282619	1012	94	38	31	7.2	24.1	6.3	223	151.8	68.02	75.86	1	1	0	0	0	7.84	10.33260894
10828	18/01/2021	1	1.1	1.1.5.4	-	994	127	52	31	7.1	14.4	5.9	220	85.0	38.60	75.75	1	1	1	1	1	37.15	49.04045003
10829	18/01/2021	1	1.1	1.1.5.4	vspl22011012981696	1000	96	38.9	31	7.2	23	6.2	223	142.6	63.89	75.79	1	1	1	0	0	11.90	15.69829667
10830	18/01/2021	9	9.2	9.2.5.1	NA	834	21	34.7	32	4.7	11.7	1.8	150	21.1	14.00	74.72	1	1	1	1	1	60.72	81.26072677
10831	18/01/2021	9	9.2	9.2.5.2	2300054526	719	67	44	30	3.9	24.2	2.8	117	67.8	57.91	73.99	1	1	1	1	0	16.07	21.72400522
10832	18/01/2021	9	9.2	9.2.5.2	NA	758	32	31	31	2.2	22.7	1.4	68	31.8	46.60	74.24	1	1	1	1	1	27.64	37.23060613
10833	18/01/2021	9	9.2	9.2.5.2	2300054598	812	24	26.3	30	3.1	16.2	1.5	93	24.3	26.13	74.58	1	1	1	1	1	48.45	64.96641014
10834	18/01/2021	9	9.2	9.2.5.2	2300054432	758	94	34.8	30	4	19.9	4.7	120	93.5	77.94	74.24	0	0	0	0	0	-3.70	-4.990040932
10835	18/01/2021	9	9.2	9.2.5.2	2300054067	796	36	32.3	32	3.1	12.9	2.8	99	36.1	36.41	74.48	1	1	1	1	1	38.07	51.11292324
10836	18/01/2021	9	9.2	9.2.5.2	NA	814	23	30.4	31	3	14.2	1.6	93	22.7	24.43	74.60	1	1	1	1	1	50.17	67.24993495
10837	18/01/2021	9	9.2	9.2.5.2	2300054520	795	17	19.4	30	2.1	13.5	1.3	63	17.6	27.86	74.47	1	1	1	1	1	46.62	62.59480778
10838	18/01/2021	9	9.2	9.2.5.2	NA	803	12	17.2	31	2.4	15.6	0.8	74	12.5	16.77	74.53	1	1	1	1	1	57.75	77.49191743
10839	18/01/2021	9	9.2	9.2.5.2	2300054549	726	11	19.3	31	2.1	5.9	1.9	65	11.2	17.22	74.03	1	1	1	1	1	56.81	76.74037035
10840	18/01/2021	9	9.2	9.2.5.2	2300054533	821	38	26.4	29	2.4	13.8	2.8	70	38.6	55.52	74.64	1	1	1	1	1	19.12	25.62038604
10841	18/01/2021	9	9.2	9.2.5.2	2300054596	722	32	28.9	31	3	12.7	2.5	93	31.8	34.14	74.01	1	1	1	1	1	39.87	53.86939451
10842	18/01/2021	9	9.2	9.2.5.2	NA	719	42	31.3	28	2.9	13.4	3.1	81	41.5	51.16	73.99	1	1	1	1	1	22.83	30.85647397
10843	18/01/2021	9	9.2	9.2.5.2	NA	778	32	26.4	20	2.4	19.3	1.7	48	32.8	68.35	74.37	1	0	0	0	0	6.01	8.083126695
10844	18/01/2021	9	9.2	9.2.5.2	2300054538	776	22	22.4	30	1.9	9.9	2.2	57	21.8	38.21	74.35	1	1	1	1	1	36.14	48.60888644
10845	18/01/2021	9	9.2	9.2.5.2	NA	772	26	28.1	32	1.7	12.5	2.1	54	26.3	48.25	74.33	1	1	1	1	1	26.07	35.07903412
10846	18/01/2021	9	9.2	9.2.5.2	NA	761	101	68.2	21	5.07	16.3	4.5	106	73.4	68.89	74.26	1	0	0	0	0	5.36	7.223288746
10847	18/01/2021	9	9.2	9.2.5.2	2300054580	863	129	56.7	32	6.06	21	4.5	194	94.5	48.73	74.91	1	1	1	1	1	26.18	34.94599376
10848	18/01/2021	9	9.2	9.2.5.2	NA	871	73	39.8	32	5.91	14.3	5.3	189	75.8	40.08	74.96	1	1	1	1	1	34.89	46.5383261
10849	18/01/2021	9	9.2	9.2.5.2	2300054524	920	139	58.5	31	6.54	21.5	5.7	203	122.6	60.45	75.27	1	1	1	0	0	14.83	19.69753464

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10850	18/01/2021	9	9.2	9.2.5.2	2300054066	920	135	59.3	31	6.28	21.9	5.4	195	118.3	60.75	75.27	1	1	1	0	0	14.53	19.30037021
10851	18/01/2021	9	9.2	9.2.5.2	2300054531	935	90	41.9	31	6.48	14.7	5.9	201	86.7	43.18	75.37	1	1	1	1	1	32.19	42.71589509
10852	18/01/2021	9	9.2	9.2.5.2	2300054598	966	98	63.6	30	6.99	14.6	6.3	210	92.0	43.86	75.57	1	1	1	1	1	31.71	41.95634558
10853	18/01/2021	9	9.2	9.2.5.3	2300042592	977	143	56.6	30	7.45	22	6	224	132.0	59.06	75.64	1	1	1	1	0	16.58	21.91784814
10854	18/01/2021	9	9.2	9.2.5.3	NA	1010	140	58.1	30	7.39	20.5	6.4	222	131.2	59.18	75.85	1	1	1	1	0	16.67	21.97881237
10855	18/01/2021	9	9.2	9.2.5.4	2300046243	1011	145	63.2	30	6.9	21.8	6.2	207	135.2	65.29	75.86	1	1	0	0	0	10.56	13.92329983
10856	18/01/2021	9	9.2	9.2.5.4	2300054600	890	141	60.2	30	6.77	21.6	6.01	203	129.8	63.92	75.08	1	1	0	0	0	11.16	14.87003259
10857	18/01/2021	9	9.2	9.2.6.3	2300036517	985	140	59.3	30	7.4	21	6.12	222	128.5	57.89	75.69	1	1	1	1	0	17.80	23.51447762
10858	18/01/2021	9	9.2	9.2.6.3	2300036359	988	140	65.5	30	6.77	22.3	6.12	203	136.5	67.20	75.71	1	1	0	0	0	8.51	11.24400344
10859	18/01/2021	9	9.2	9.2.6.3	2300039850	891	99	62.7	19	6.07	14.3	6.34	115	90.7	78.61	75.09	0	0	0	0	0	-3.52	-4.691193996
10860	18/01/2021	9	9.2	9.2.6.4	2300041134	967	137	57.6	30	6.81	23.1	5.1	204	117.8	57.67	75.57	1	1	1	1	0	17.91	23.6978487
10861	18/01/2021	9	9.2	9.2.6.4	NA	976	145	58.8	30	7.13	22.6	5.7	214	128.8	60.22	75.63	1	1	1	1	0	15.41	20.37221624
10862	18/01/2021	9	9.3	9.3.1.1	2300054333	994	100	61.4	20	7.03	14.3	6.39	141	91.4	64.99	75.75	1	1	0	0	0	10.76	14.20090681
10863	18/01/2021	9	9.3	9.3.1.1	2300054407	991	94	57.1	20	7.24	13.8	6.26	145	86.4	59.66	75.73	1	1	1	1	0	16.07	21.21816783
10864	18/01/2021	9	9.3	9.3.1.1	2300053968	998	104	60.2	30	7.15	23.7	6.8	215	161.2	75.13	75.77	0	0	0	0	0	0.64	0.845065098
10865	18/01/2021	9	9.3	9.3.1.1	2300048722	981	102	62.9	20	7.16	14.2	6.53	143	92.7	64.75	75.66	1	1	0	0	0	10.91	14.4210576
10866	18/01/2021	9	9.3	9.3.1.2	2300048659	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
10867	18/01/2021	9	9.3	9.3.1.4	2300042687	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
10868	18/01/2021	9	9.3	9.3.1.4	2300042699	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
10869	18/01/2021	9	9.3	9.3.1.4	2300042680	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
10870	18/01/2021	9	9.3	9.3.1.4	NA	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
10871	18/01/2021	9	9.3	9.3.2.1	NA	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
10872	18/01/2021	9	9.3	9.3.2.1	NA	826	83	46.3	31	5.9	21	5	183	105.0	57.41	74.67	1	1	1	1	0	17.26	23.11962666
10873	18/01/2021	9	9.3	9.3.2.1	NA	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
10874	18/01/2021	9	9.3	9.3.2.1	NA	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
10875	18/01/2021	9	9.3	9.3.2.1	NA	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
10876	18/01/2021	9	9.3	9.3.2.1	NA	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
10877	18/01/2021	9	9.3	9.3.2.1	NA	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
10878	18/01/2021	9	9.3	9.3.2.1	NA	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
10879	18/01/2021	9	9.3	9.3.2.2	2300042688	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10880	18/01/2021	6	6.2	6.2.5.2	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
10881	18/01/2021	6	6.2	6.2.5.2	2300045507	810	27	22.4	19	4.9	12	5	93	60.0	64.45	74.57	1	1	0	0	0	10.12	13.57539042
10882	18/01/2021	6	6.2	6.2.5.2	2300042550	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
10883	18/01/2021	6	6.2	6.2.5.2	2300045500	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
10884	18/01/2021	6	6.2	6.2.5.2	NA	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
10885	18/01/2021	6	6.2	6.2.5.2	2300046752	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
10886	18/01/2021	6	6.2	6.2.5.2	NA	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
10887	18/01/2021	6	6.2	6.2.5.2	2300048270	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
10888	18/01/2021	6	6.2	6.2.5.2	NA	954	24	21.3	20	5.6	22.5	4.9	112	110.3	98.44	75.49	1	1	1	1	1	-22.95	-30.39530226
10889	18/01/2021	6	6.2	6.2.5.2	2300048157	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
10890	18/01/2021	6	6.2	6.2.5.2	2300046450	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
10891	18/01/2021	6	6.2	6.2.5.2	2300045499	946	35	39.7	30	6.1	22.6	5.3	183	119.8	65.45	75.44	1	1	0	0	0	9.99	13.23806354
10892	18/01/2021	6	6.2	6.2.5.2	2300042317	940	27	21.4	22	4.1	13.5	3.6	90	48.6	53.88	75.40	1	1	1	1	1	21.52	28.54265659
10893	19/01/2021	6	6.2	6.2.5.2	2300048275	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
10894	19/01/2021	6	6.2	6.2.5.2	2300042164	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
10895	19/01/2021	6	6.2	6.2.5.2	2300046628	941	48	34.2	21	5.7	12.9	5.1	120	65.8	54.96	75.41	1	1	1	1	1	20.45	27.11368228
10896	19/01/2021	6	6.2	6.2.5.2	23000442335	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
10897	19/01/2021	6	6.2	6.2.5.2	NA	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
10898	19/01/2021	6	6.2	6.2.5.2	2300043528	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
10899	19/01/2021	6	6.2	6.2.5.2	NA	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
10900	19/01/2021	6	6.2	6.2.5.2	2300042146	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
10901	19/01/2021	6	6.2	6.2.5.2	2300044127	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
10902	19/01/2021	6	6.2	6.2.5.2	2300042145	826	83	46.3	31	5.9	21	5	183	105.0	57.41	74.67	1	1	1	1	0	17.26	23.11962666
10903	19/01/2021	6	6.2	6.2.5.3	2300043396	732	78	56.1	30	5.4	19	5.2	162	98.8	60.99	74.07	1	1	1	0	0	13.08	17.66302737
10904	19/01/2021	6	6.2	6.2.5.3	2300042151	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
10905	19/01/2021	6	6.2	6.2.5.4	NA	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
10906	19/01/2021	6	6.2	6.2.6.1	2300045497	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
10907	19/01/2021	6	6.2	6.2.6.2	NA	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
10908	19/01/2021	6	6.2	6.2.6.2	2300045864	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
10909	19/01/2021	6	6.2	6.2.6.3	2300042169	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10910	19/01/2021	6	6.2	6.2.6.3	2300042160	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
10911	19/01/2021	6	6.2	6.2.6.3	2300042154	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
10912	19/01/2021	6	6.2	6.2.6.4	2300045647	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
10913	19/01/2021	6	6.3	6.3.1.1	2300043380	911	25	59.6	30	6.3	20	5.3	189	106.0	56.08	75.22	1	1	1	1	1	19.13	25.4356017
10914	19/01/2021	6	6.3	6.3.1.1	2300043362	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
10915	19/01/2021	6	6.3	6.3.1.2	2300045252	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
10916	19/01/2021	6	6.3	6.3.1.2	2300041579	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
10917	19/01/2021	6	6.3	6.3.1.2	2300043368	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
10918	19/01/2021	6	6.3	6.3.1.2	2300039258	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
10919	19/01/2021	6	6.3	6.3.1.2	2300034812	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
10920	19/01/2021	6	6.3	6.3.1.3	NA	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
10921	19/01/2021	6	6.3	6.3.1.3	NA	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
10922	19/01/2021	6	6.3	6.3.1.3	NA	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
10923	19/01/2021	6	6.3	6.3.1.3	2300043268	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
10924	19/01/2021	6	6.3	6.3.1.4	2300039362	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
10925	19/01/2021	6	6.3	6.3.1.4	2300045203	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
10926	19/01/2021	6	6.3	6.3.2.1	2300043459	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
10927	19/01/2021	6	6.3	6.3.2.1	2300042939	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
10928	19/01/2021	6	6.3	6.3.2.2	2300045205	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
10929	19/01/2021	6	6.3	6.3.2.2	2300039084	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
10930	19/01/2021	8	8.3	8.3.5.1	2300044432	1000	38	26.6	31	4.2	24	2.2	130	52.8	40.55	75.79	1	1	1	1	1	35.23	46.49012299
10931	19/01/2021	8	8.3	8.3.5.1	NA	974	33	26.2	32	3.3	16.2	1.8	106	29.2	27.61	75.62	1	1	1	1	1	48.01	63.48349322
10932	19/01/2021	8	8.3	8.3.5.1	2300041166	975	48	30.5	31	4.5	16.4	2.7	140	44.3	31.74	75.63	1	1	1	1	1	43.88	58.02774775
10933	19/01/2021	8	8.3	8.3.5.1	2300035110	981	44	28.1	31	4.5	15.9	2.5	140	39.8	28.49	75.66	1	1	1	1	1	47.17	62.34077895
10934	19/01/2021	8	8.3	8.3.5.3	2300041141	974	28	28.2	31	2.9	15.3	1.6	90	24.5	27.23	75.62	1	1	1	1	1	48.39	63.99047887
10935	19/01/2021	8	8.3	8.3.5.3	NA	970	42	28.5	31	3.1	22.7	1.6	96	36.3	37.79	75.59	1	1	1	1	1	37.80	50.00401537
10936	19/01/2021	8	8.3	8.3.5.2	2300043402	988	118	49.2	31	7.01	18.5	5.8	217	107.3	49.38	75.71	1	1	1	1	1	26.33	34.78141785
10937	19/01/2021	8	8.3	8.3.5.2	2300044340	984	85	35.7	31	7.04	13.4	6.02	218	80.7	36.96	75.68	1	1	1	1	1	38.72	51.16118084
10938	19/01/2021	8	8.3	8.3.5.2	NA	981	102	41.1	31	7.1	17.6	5.3	220	93.3	42.38	75.66	1	1	1	1	1	33.28	43.98853883
10939	19/01/2021	8	8.3	8.3.5.2	2300042769	955	21	28.6	31	2.2	15.5	1.3	68	20.2	29.55	75.50	1	1	1	1	1	45.95	60.86591096

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10940	19/01/2021	8	8.3	8.3.5.4	2300035544	945	20	26.3	31	2.1	16.1	1.1	65	17.7	27.20	75.43	1	1	1	1	1	48.23	63.93628725
10941	19/01/2021	8	8.3	8.3.5.4	2300036118	941	122	65.2	32	6.5	19.3	5.5	208	106.2	51.03	75.41	1	1	1	1	1	24.37	32.3236485
10942	19/01/2021	8	8.3	8.3.5.4	2300037955	955	118	48.9	31	6.7	18.8	5.5	208	103.4	49.78	75.50	1	1	1	1	1	25.71	34.06005277
10943	19/01/2021	8	8.3	8.3.5.4	2300037444	948	46	36.7	30	6.6	24.5	2.1	198	51.5	25.98	75.45	1	1	1	1	1	49.47	65.56163491
10944	19/01/2021	8	8.3	8.3.5.4	2300043116	944	26	23.1	31	0.9	16.7	0.3	28	5.0	17.96	75.43	1	1	1	1	1	57.47	76.19307886
10945	19/01/2021	8	8.3	8.3.4.1	2300029781	938	138	23.8	31	6.8	23.1	5.07	211	117.1	55.56	75.39	1	1	1	1	1	19.83	26.30463097
10946	19/01/2021	8	8.3	8.3.4.1	2300026126	938	20	22.9	31	2.6	18.2	1.6	81	29.1	36.13	75.39	1	1	1	1	1	39.26	52.07664724
10947	19/01/2021	8	8.3	8.3.4.1	2300036085	934	17	35.8	30	3.7	23.4	2.3	111	53.8	48.49	75.36	1	1	1	1	1	26.88	35.66325589
10948	19/01/2021	8	8.3	8.3.4.1	2300036047	951	120	56.1	31	6.2	22.1	2.4	192	53.0	27.60	75.47	1	1	1	1	1	47.88	63.43530363
10949	19/01/2021	8	8.3	8.3.4.1	2300034550	938	42	23.6	30	0.4	17.4	0.1	12	1.7	14.50	75.39	1	1	1	1	1	60.89	80.76647583
10950	19/01/2021	8	8.3	8.3.4.1	2300042205	944	20	18.2	30	2.5	10.4	1.4	75	14.6	19.41	75.43	1	1	1	1	1	56.01	74.26229479
10951	19/01/2021	8	8.3	8.3.4.3	NA	882	31	28.1	32	3.1	16.2	1.7	99	27.5	27.76	75.03	1	1	1	1	1	47.27	62.99906602
10952	19/01/2021	8	8.3	8.3.4.3	2300038034	854	26	71	32	3.1	24.5	2.1	99	51.5	51.86	74.85	1	1	1	1	1	22.99	30.70967173
10953	19/01/2021	8	8.3	8.3.4.3	2300036507	906	113	62.1	23	6.7	16.2	6.2	154	100.4	65.18	75.18	1	1	0	0	0	10.01	13.30853801
10954	19/01/2021	8	8.3	8.3.4.3	2300036093	891	21	22.1	32	4.3	11.1	2.9	138	32.2	23.39	75.09	1	1	1	1	1	51.69	68.84486106
10955	19/01/2021	8	8.3	8.3.4.3	2300034560	993	17	25.6	32	1.8	16.3	0.9	58	14.7	25.47	75.74	1	1	1	1	1	50.27	66.3739814
10956	19/01/2021	8	8.3	8.3.4.3	2300038031	894	13	27.2	32	1.4	15.7	6.7	45	105.2	234.80	75.11	1	1	1	1	1	-159.69	-212.616975
10957	19/01/2021	8	8.3	8.3.4.3	2300036666	895	49	27.9	32	5.2	15.9	2.9	166	46.1	27.71	75.11	1	1	1	1	1	47.40	63.108959
10958	19/01/2021	8	8.3	8.3.4.3	2300037943	870	48	30.8	32	4.2	16.7	2.4	134	40.1	29.82	74.95	1	1	1	1	1	45.13	60.21369297
10959	19/01/2021	8	8.3	8.3.4.2	2300035307	889	10	27.1	32	1.1	15.6	0.6	35	9.4	26.59	75.08	1	1	1	1	1	48.48	64.58115674
10960	19/01/2021	8	8.3	8.3.4.2	2300035300	910	24	27.4	32	2.4	16.3	1.3	77	21.2	27.59	75.21	1	1	1	1	1	47.62	63.31452489
10961	19/01/2021	8	8.3	8.3.4.2	NA	971	16	22.4	32	4.4	10.8	2.9	141	31.3	22.24	75.60	1	1	1	1	1	53.36	70.57645438
10962	19/01/2021	8	8.3	8.3.4.2	NA	525	13	26.7	31	1.6	15.3	0.9	50	13.8	27.76	72.75	1	1	1	1	1	44.98	61.83694392
10963	19/01/2021	8	8.3	8.3.4.2	2300036996	856	13	26.8	32	1.2	16.6	0.6	38	10.0	25.94	74.86	1	1	1	1	1	48.93	65.35402675
10964	19/01/2021	8	8.3	8.3.4.2	2300036025	872	20	18.2	30	2.5	15.4	1.2	75	18.5	24.64	74.97	1	1	1	1	1	50.33	67.13211715
10965	19/01/2021	8	8.3	8.3.4.4	2300037024	877	26	28.9	32	2.5	16.3	1.4	80	22.8	28.53	75.00	1	1	1	1	1	46.47	61.96605812
10966	19/01/2021	8	8.3	8.3.4.4	2300035288	885	35	25.3	32	3.09	16.4	1.5	99	24.6	24.88	75.05	1	1	1	1	1	50.17	66.85057858
10967	19/01/2021	8	8.3	8.3.4.4	2300035386	883	27	28.1	32	1.9	17	1.01	61	17.2	28.24	75.04	1	1	1	1	1	46.80	62.36515811
10968	19/01/2021	8	8.3	8.3.4.4	2300035584	880	27	21.4	32	2.1	20.3	0.9	67	18.3	27.19	75.02	1	1	1	1	1	47.83	63.75869791
10969	19/01/2021	8	8.3	8.3.4.4	2300037929	895	19	27.1	32	1.9	15.9	1.1	61	17.5	28.77	75.11	1	1	1	1	1	46.35	61.70294836

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
10970	19/01/2021	8	8.3	8.3.4.4	2300036022	889	21	26.2	32	2.4	15	1.3	77	19.5	25.39	75.08	1	1	1	1	1	49.68	66.17992397
10971	19/01/2021	8	8.3	8.3.4.4	2300036675	900	17	25.9	32	2	17.3	0.9	64	15.6	24.33	75.15	1	1	1	1	1	50.82	67.62552232
10972	19/01/2021	8	8.3	8.3.4.4	2300042433	895	28	25.6	32	3.1	15.8	1.6	99	25.3	25.48	75.11	1	1	1	1	1	49.63	66.0730743
10973	19/01/2021	8	8.3	8.3.4.4	2300036970	905	42	30.1	31	3.9	16	2.3	121	36.8	30.44	75.18	1	1	1	1	1	44.74	59.5115874
10974	19/01/2021	8	8.3	8.3.4.4	2300036140	918	59	49.4	32	6.4	15.8	5.8	205	91.6	44.75	75.26	1	1	1	1	1	30.52	40.54560152
10975	19/01/2021	8	8.3	8.3.6.1	2300029747	953	12	20.2	30	4.5	20.5	2.1	135	43.1	31.89	75.49	1	1	1	1	1	43.60	57.75477989
10976	19/01/2021	8	8.3	8.3.6.1	2300029188	962	41	28.5	32	4.1	16.2	2.3	131	37.3	28.40	75.54	1	1	1	1	1	47.14	62.40622502
10977	19/01/2021	8	8.3	8.3.6.1	2300030368	966	36	28.6	32	3.7	14.4	2.1	118	30.2	25.54	75.57	1	1	1	1	1	50.03	66.20208905
10978	19/01/2021	8	8.3	8.3.6.1	NA	963	44	26.5	31	6.4	4	4.9	198	19.6	9.88	75.55	1	1	1	1	1	65.67	86.9237103
10979	19/01/2021	8	8.3	8.3.6.1	NA	965	44	24.5	31	5.7	10.5	4.2	177	44.1	24.96	75.56	1	1	1	1	1	50.60	66.97075888
10980	19/01/2021	8	8.3	8.3.6.1	2300016131	964	45	24.9	24	5.8	10.7	4.2	139	44.9	32.28	75.56	1	1	1	1	1	43.27	57.27056266
10981	19/01/2021	8	8.3	8.3.6.1	2201102981384	953	50	20.9	31	5	15.6	2.9	155	45.2	29.19	75.49	1	1	1	1	1	46.30	61.33401412
10982	19/01/2021	8	8.3	8.3.6.1	2300029653	974	23	28.9	31	2.3	16.3	1.3	71	21.2	29.72	75.62	1	1	1	1	1	45.90	60.69868779
10983	19/01/2021	8	8.3	8.3.6.1	1012479789	981	49	29.9	31	4.1	15.5	3.02	127	46.8	36.83	75.66	1	1	1	1	1	38.84	51.32550011
10984	19/01/2021	8	8.3	8.3.6.1	NA	978	45	28.9	31	4.4	16.2	2.5	136	40.5	29.69	75.65	1	1	1	1	1	45.95	60.7482271
10985	19/01/2021	8	8.3	8.3.6.1	2300026079	974	20	20.4	31	4.2	23.5	1.6	130	37.6	28.88	75.62	1	1	1	1	1	46.74	61.8106308
10986	19/01/2021	8	8.3	8.3.6.1	2300030363	950	28	28.5	32	2.8	23.7	1.6	90	37.9	42.32	75.47	1	1	1	1	1	33.14	43.91987309
10987	19/01/2021	8	8.3	8.3.6.1	2300030383	964	26	24	30	2.9	23.6	1.4	87	33.0	37.98	75.56	1	1	1	1	1	37.58	49.73633788
10988	19/01/2021	8	8.3	8.3.6.1	2300029344	968	20	20.4	31	3.4	23.9	1.6	105	38.2	36.28	75.58	1	1	1	1	1	39.30	51.99754051
10989	19/01/2021	8	8.3	8.3.6.1	NA	966	41	29.3	31	4.05	15.9	2.3	126	36.6	29.13	75.57	1	1	1	1	1	46.44	61.455003
10990	19/01/2021	8	8.3	8.3.6.2	2300029766	1051	137	57.1	32	7.6	22	6.4	243	140.8	57.89	76.11	1	1	1	1	0	18.22	23.9352105
10991	19/01/2021	8	8.3	8.3.6.2	2300016130	1043	131	44.6	31	7.2	22.7	5.6	223	127.1	56.95	76.06	1	1	1	1	1	19.11	25.121606
10992	19/01/2021	8	8.3	8.3.6.2	2300029833	983	136	55.3	31	7.3	21.4	6.8	226	145.5	64.30	75.68	1	1	1	0	0	11.37	15.02854068
10993	19/01/2021	8	8.3	8.3.6.2	2300041161	981	110	44.5	32	6.8	19	4.3	218	81.7	37.55	75.66	1	1	1	1	1	38.12	50.37830752
10994	19/01/2021	8	8.3	8.3.6.2	2300029771	1062	82	37.4	31	6.6	18.7	1.9	205	35.5	17.37	76.18	1	1	1	1	1	58.82	77.20536473
10995	19/01/2021	8	8.3	8.3.6.2	2300029695	1051	33	26.9	31	3.5	15.9	3.6	109	57.2	52.76	76.11	1	1	1	1	1	23.36	30.68703606
10996	19/01/2021	8	8.3	8.3.6.2	2300029617	1025	44	52.5	31	5.2	10.6	5.9	161	62.5	38.80	75.95	1	1	1	1	1	37.15	48.91564262
10997	19/01/2021	8	8.3	8.3.6.2	2300029075	1024	129	33.7	32	7.01	19.9	3.7	224	73.6	32.82	75.94	1	1	1	1	1	43.12	56.7766425
10998	19/01/2021	8	8.3	8.3.6.2	2300039131	1011	44	32	32	4.7	13.1	6.2	150	81.2	54.00	75.86	1	1	1	1	1	21.85	28.80935613
10999	19/01/2021	8	8.3	8.3.6.2	2300029787	1035	26	42.3	31	3.3	10.4	6.03	102	62.7	61.30	76.01	1	1	1	0	0	14.71	19.35001607

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11000	19/01/2021	8	8.3	8.3.6.2	2300029542	1045	89	22.3	31	6.7	15.1	0.8	208	12.1	5.82	76.07	1	1	1	1	1	70.26	92.35470609
11001	19/01/2021	8	8.3	8.3.6.2	2300029770	1078	22	41.4	30	1.8	15.7	6.3	54	98.9	183.17	76.29	1	1	1	1	1	-106.88	-140.1077361
11002	19/01/2021	8	8.4	8.4.9.1	2300016132	1020	104	24.3	31	7.2	15.1	1.01	223	15.3	6.83	75.91	1	1	1	1	1	69.08	90.9991763
11003	19/01/2021	8	8.4	8.4.9.1	2300016125	1002	25	16.5	32	2.06	16.2	2.4	66	38.9	58.98	75.80	1	1	1	1	0	16.82	22.18797326
11004	19/01/2021	8	8.4	8.4.9.1	NA	998	25	17.1	32	4.5	10.3	2.5	144	25.8	17.88	75.77	1	1	1	1	1	57.89	76.40070045
11005	19/01/2021	8	8.4	8.4.9.1	2300029657	841	116	60.2	30	3.7	20.9	3.3	111	69.0	62.14	74.77	1	1	1	0	0	12.63	16.89652964
11006	19/01/2021	8	8.4	8.4.9.1	2300029702	989	17	22.1	32	5.4	25.1	1.6	173	40.2	23.24	75.72	1	1	1	1	1	52.47	69.30521486
11007	19/01/2021	8	8.4	8.4.9.1	2300035311	945	48	29.5	32	5.07	16.2	2.9	162	47.0	28.96	75.43	1	1	1	1	1	46.48	61.61266724
11008	19/01/2021	8	8.4	8.4.9.1	2300029773	975	22	27	32	2.3	15.8	1.3	74	20.5	27.91	75.63	1	1	1	1	1	47.72	63.09786489
11009	19/01/2021	8	8.4	8.4.9.1	2300029690	996	109	44.1	32	7.08	15.6	6.5	227	101.4	44.76	75.76	1	1	1	1	1	31.00	40.92381253
11010	19/01/2021	8	8.4	8.4.9.1	NA	520	23	20	30	2.5	18	1.2	75	21.6	28.80	72.71	1	1	1	1	1	43.91	60.39277168
11011	19/01/2021	8	8.4	8.4.9.1	NA	989	20	20.6	32	2.6	20.2	2.4	83	48.5	58.27	75.72	1	1	1	1	0	17.45	23.04197448
11012	19/01/2021	8	8.4	8.4.9.1	2300030395	980	40	20.5	30	2.4	20.5	1.6	72	32.8	45.56	75.66	1	1	1	1	1	30.10	39.78752339
11013	19/01/2021	8	8.4	8.4.9.1	NA	937	13	21.6	32	2.1	15.9	0.9	67	14.3	21.29	75.38	1	1	1	1	1	54.09	71.7513241
11014	19/01/2021	8	8.4	8.4.9.1	2300033086	942	16	26.3	32	1.7	16.5	0.8	54	13.2	24.26	75.41	1	1	1	1	1	51.15	67.82500798
11015	19/01/2021	8	8.4	8.4.9.1	2300023078	940	20	20.4	30	1.4	18.4	1.4	42	25.8	61.33	75.40	1	1	1	0	0	14.07	18.65821419
11016	19/01/2021	8	8.4	8.4.9.1	NA	950	20	20	30	2.4	18.4	1.5	72	27.6	38.33	75.47	1	1	1	1	1	37.13	49.20449827
11017	19/01/2021	8	8.4	8.4.9.1	2300039700	956	26	23.4	32	2.4	15.8	1.1	77	17.4	22.63	75.50	1	1	1	1	1	52.87	70.02796084
11018	19/01/2021	8	8.4	8.4.9.1	NA	968	131	54	31	6.8	20.5	5.2	211	106.6	50.57	75.58	1	1	1	1	1	25.01	33.0928062
11019	19/01/2021	8	8.4	8.4.9.1	2300029782	958	49	26.2	32	5.3	16.5	2.8	170	46.2	27.24	75.52	1	1	1	1	1	48.28	63.92799781
11020	19/01/2021	8	8.4	8.4.9.1	NA	961	85	36.1	31	6.6	16.9	4.6	205	77.7	38.00	75.54	1	1	1	1	1	37.54	49.69830448
11021	19/01/2021	8	8.4	8.4.9.1	2300034562	949	28	21.2	32	4.6	10.5	3.04	147	31.9	21.68	75.46	1	1	1	1	1	53.77	71.26305651
11022	19/01/2021	8	8.4	8.4.9.2	2300016133	951	30	27.8	32	2.9	16	1.5	93	24.0	25.86	75.47	1	1	1	1	1	49.61	65.7330773
11023	19/01/2021	8	8.4	8.4.9.2	2300029783	947	34	28.1	32	3.2	17.1	1.7	102	29.1	28.39	75.45	1	1	1	1	1	47.06	62.37259649
11024	19/01/2021	8	8.4	8.4.9.2	2300029703	949	127	50.1	32	6.9	19.7	5.7	221	112.3	50.86	75.46	1	1	1	1	1	24.60	32.60502539
11025	19/01/2021	8	8.4	8.4.9.2	2300029704	944	49	29.5	32	4.8	16.2	2.8	154	45.4	29.53	75.43	1	1	1	1	1	45.90	60.84821736
11026	19/01/2021	8	8.4	8.4.9.2	2300029729	963	49	32.4	32	3.05	16.4	1.8	98	29.5	30.25	75.55	1	1	1	1	1	45.30	59.96529197
11027	19/01/2021	8	8.4	8.4.9.2	2300029777	962	42	27.7	32	4.2	16.3	2.3	134	37.5	27.89	75.54	1	1	1	1	1	47.65	63.07477981
11028	19/01/2021	8	8.4	8.4.9.2	2300029775	959	49	29.7	32	4.8	16.3	2.8	154	45.6	29.71	75.52	1	1	1	1	1	45.81	60.65661374
11029	19/01/2021	8	8.4	8.4.9.2	2300029191	956	40	28.8	32	3.8	16.8	2.1	122	35.3	29.01	75.50	1	1	1	1	1	46.49	61.57421568

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11030	19/01/2021	8	8.4	8.4.9.2	2300029777	826	68.9	34	5.8	5.8	25.6	6.3	34	161.3	479.43	74.67	1	1	1	1	1	-404.76	-542.043447
11031	19/01/2021	8	8.4	8.4.9.2	2300029772	845	69.4	31	6.01	6.01	25.8	5.9	36	152.2	421.43	74.79	1	1	1	1	1	-346.63	-463.4508178
11032	19/01/2021	8	8.4	8.4.9.2	2300034559	850	26	33	3.1	3.1	16.3	1.6	10	26.1	271.38	74.83	1	1	1	1	1	-196.56	-262.6867333
11033	19/01/2021	8	8.4	8.4.6.1	2300037437	850	69.9	33	6.1	6.1	25.5	5.5	37	140.3	376.91	74.83	1	1	1	1	1	-302.09	-403.7217115
11034	19/01/2021	8	8.4	8.4.6.1	2300022580	832	26.3	33	1.7	1.7	16.5	0.9	3	14.9	513.84	74.71	1	1	1	1	1	-439.13	-587.7731606
11035	19/01/2021	8	8.4	8.4.6.1	2300038916	844	69.8	32	5.8	5.8	25	5.3	34	132.5	393.88	74.79	1	1	1	1	1	-319.09	-426.6599512
11036	19/01/2021	8	8.4	8.4.6.1	2300039000	869	27.7	33	2	2	17.4	1.06	4	18.4	461.10	74.95	1	1	1	1	1	-386.15	-515.2298406
11037	19/01/2021	8	8.4	8.4.6.1	NA	860	70.7	33	5.8	5.8	25.4	5.34	34	135.6	403.20	74.89	1	1	1	1	1	-328.31	-438.3877328
11038	19/01/2021	8	8.4	8.4.6.1	2300022560	817	26.4	32	1.9	1.9	16.4	1.06	4	17.4	481.55	74.61	1	1	1	1	1	-406.94	-545.3830159
11039	19/01/2021	8	8.4	8.4.6.1	2300022637	815	71.8	32	5.3	5.3	25.3	4.9	28	124.0	441.33	74.60	1	1	1	1	1	-366.73	-491.5812373
11040	19/01/2021	8	8.4	8.4.6.1	2300022577	835	24.4	32	4.7	4.7	16.5	2.2	22	36.3	164.33	74.73	1	1	1	1	1	-89.60	-119.8952899
11041	19/01/2021	8	8.4	8.4.6.1	2300022563	869	70.9	32	5.9	5.9	25.2	5.4	35	136.1	390.92	74.95	1	1	1	1	1	-315.97	-421.5939521
11042	19/01/2021	8	8.4	8.4.6.1	2300037888	848	67	32	5.7	5.7	24.5	5.09	32	124.7	383.83	74.81	1	1	1	1	1	-309.01	-413.0455488
11043	19/01/2021	8	8.4	8.4.6.2	2300022640	725	72.1	32	5.05	5.05	25.1	4.7	26	118.0	462.58	74.03	1	1	1	1	1	-388.56	-524.8913892
11044	19/01/2021	8	8.4	8.4.6.2	2300038323	874	69.6	32	5.7	5.7	24.8	5.2	32	129.0	396.92	74.98	1	1	1	1	1	-321.94	-429.3734961
11045	19/01/2021	8	8.4	8.4.6.2	2300022590	861	68.5	32	6.1	6.1	25.2	5.5	37	138.6	372.48	74.90	1	1	1	1	1	-297.58	-397.3276633
11046	19/01/2021	8	8.4	8.4.6.2	2300022578	858	69.7	32	5.9	5.9	24.9	5.4	35	134.5	386.27	74.88	1	1	1	1	1	-311.39	-415.8690679
11047	19/01/2021	8	8.4	8.4.6.2	2300039967	851	70.3	32	5.9	5.9	25.1	5.3	35	133.0	382.16	74.83	1	1	1	1	1	-307.33	-410.6882831
11048	19/01/2021	8	8.4	8.4.6.2	2300038797	853	68.7	32	5.8	5.8	24.5	5.3	34	129.9	386.00	74.85	1	1	1	1	1	-311.15	-415.729547
11049	19/01/2021	8	8.4	8.4.3.1	NA	852	70.6	32	5.7	5.7	25	5.19	32	129.8	399.35	74.84	1	1	1	1	1	-324.51	-433.6184536
11050	19/01/2021	8	8.4	8.4.3.1	NA	844	76.9	32	5.8	5.8	24.8	5.2	34	129.0	383.35	74.79	1	1	1	1	1	-308.57	-412.5891873
11051	19/01/2021	8	8.4	8.4.3.1	NA	860	70.5	32	5.8	5.8	24.8	5.3	34	131.4	390.73	74.89	1	1	1	1	1	-315.84	-421.73231
11052	19/01/2021	8	8.4	8.4.3.1	2300037942	893	45.4	32	6.1	6.1	18.8	5.1	37	95.9	257.67	75.10	1	1	1	1	1	-182.57	-243.1006011
11053	19/01/2021	8	8.4	8.4.3.1	NA	920	63.1	32	6.9	6.9	23.8	6.04	48	143.8	301.94	75.27	1	1	1	1	1	-226.66	-301.1166777
11054	19/01/2021	8	8.4	8.4.3.1	NA	993	24	23.4	31	3.3	16.3	1.4	102	22.8	22.31	75.74	1	1	1	1	1	53.43	70.54847247
11055	19/01/2021	8	8.4	8.4.3.1	NA	1056	37	29.1	32	3.8	16.8	2.1	122	35.3	29.01	76.14	1	1	1	1	1	47.13	61.89718759
11056	19/01/2021	8	8.4	8.4.3.1	NA	769	31	23.5	30	2.3	16.5	1.05	69	17.3	25.11	74.31	1	1	1	1	1	49.20	66.20978789
11057	19/01/2021	8	8.4	8.4.3.1	NA	992	17	23	32	2.1	17.1	0.9	67	15.4	22.90	75.73	1	1	1	1	1	52.83	69.76055167
11058	19/01/2021	8	8.4	8.4.3.1	2300035831	892	31	24.1	32	2.1	15.8	1.02	67	16.1	23.98	75.09	1	1	1	1	1	51.11	68.0641764
11059	19/01/2021	8	8.4	8.4.3.1	NA	1016	42	28.8	32	4.1	15.7	2.5	131	39.3	29.92	75.89	1	1	1	1	1	45.97	60.57874651

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11060	19/01/2021	8	8.4	8.4.3.1	2300036053	991	25.5	28.1	32	2.5	16.3	1.4	80	22.8	28.53	75.73	1	1	1	1	1	47.20	62.33249349
11061	19/01/2021	8	8.4	8.4.3.2	2300028972	624	19	27.7	31	2.02	15.8	1.1	63	17.4	27.75	73.38	1	1	1	1	1	45.62	62.17653005
11062	19/01/2021	8	8.4	8.4.3.2	2300029120	841	25	24.6	32	3.4	16.5	1.6	109	26.4	24.26	74.77	1	1	1	1	1	50.50	67.54684348
11063	19/01/2021	8	8.4	8.4.3.2	2300029006	972	17	28	31	1.2	19.6	0.5	37	9.8	26.34	75.61	1	1	1	1	1	49.26	65.15645944
11064	19/01/2021	8	8.4	8.4.3.2	2300037390	978	26	20.3	32	5.5	6.2	4.9	176	30.4	17.26	75.65	1	1	1	1	1	58.38	77.18115143
11065	19/01/2021	8	8.4	8.4.3.2	2300036109	974	17	33	20	0.8	1.96	0.4	16	0.8	4.90	75.62	1	1	1	1	1	70.72	93.52019847
11066	19/01/2021	8	8.4	8.4.3.2	2300037393	961	31	40	31	1.1	25.7	0.5	34	12.9	37.68	75.54	1	1	1	1	1	37.85	50.11241672
11067	19/01/2021	8	8.4	8.4.3.2	2300036088	975	120	49.6	31	6.9	20.4	5.4	214	110.2	51.50	75.63	1	1	1	1	1	24.13	3190079964
11068	19/01/2021	8	8.4	8.4.3.2	2300036065	970	21	18.7	30	2.02	21.9	0.4	61	8.8	14.46	75.59	1	1	1	1	1	61.14	80.87752263
11069	19/01/2021	8	8.4	8.4.3.2	2300028989	968	137	57.4	31	6.8	22.3	5.6	211	124.9	59.24	75.58	1	1	1	1	0	16.34	2161941499
11070	19/01/2021	8	8.4	8.4.3.2	2300029118	965	18	30.8	31	1.6	18.1	0.9	50	16.3	32.84	75.56	1	1	1	1	1	42.72	56.53537236
11071	19/01/2021	8	8.2	8.2.8.1	2300037989	978	31	22.5	31	4.3	10	3.1	133	31.0	23.26	75.65	1	1	1	1	1	52.39	69.25672223
11072	19/01/2021	8	8.2	8.2.8.1	2300035821	981	29	33.1	32	2.4	20.6	1.2	77	24.7	32.19	75.66	1	1	1	1	1	43.48	57.46017942
11073	19/01/2021	8	8.2	8.2.8.1	2300020192	986	37	27.3	32	1.47	19	0.8	47	15.2	32.31	75.70	1	1	1	1	1	43.38	57.31246774
11074	19/01/2021	8	8.2	8.2.8.1	2300020200	984	23	32.3	31	2.3	10.54	2.3	71	24.2	34.00	75.68	1	1	1	1	1	41.68	55.07613274
11075	19/01/2021	8	8.2	8.2.8.1	2300020182	978	121	50.6	31	6.8	20.2	5.85	211	118.2	56.06	75.65	1	1	1	1	1	19.59	25.89367896
11076	19/01/2021	8	8.2	8.2.8.1	NA	974	17	30.5	30	1.4	13.1	1.2	42	15.7	37.43	75.62	1	1	1	1	1	38.19	50.50413989
11077	19/01/2021	8	8.2	8.2.8.1	NA	976	27	21.4	30	1.8	16.6	0.7	54	11.6	21.52	75.63	1	1	1	1	1	54.11	71.54854465
11078	19/01/2021	8	8.2	8.2.8.1	2300020203	988	22	18.8	31	4.2	5.6	4.04	130	22.6	17.38	75.71	1	1	1	1	1	58.33	77.04856994
11079	19/01/2021	8	8.2	8.2.8.1	2300020199	965	22	28.2	31	2.2	15.3	1.3	68	19.9	29.16	75.56	1	1	1	1	1	46.40	61.4035853
11080	19/01/2021	8	8.2	8.2.8.1	2300020193	975	42	31.7	31	4.8	11.2	4.08	149	45.7	30.71	75.63	1	1	1	1	1	44.92	59.39269905
11081	19/01/2021	8	8.2	8.2.8.1	2300020194	978	17	30	31	1.7	22	0.7	53	15.4	29.22	75.65	1	1	1	1	1	46.42	61.36964224
11082	19/01/2021	8	8.2	8.2.8.1	2300043993	979	82	38.2	31	6.4	13.9	5.8	198	80.6	40.64	75.65	1	1	1	1	1	35.02	46.28655488
11083	19/01/2021	8	8.2	8.2.8.1	2300043993	984	81	37	31	6.9	13.8	5.9	214	81.4	38.06	75.68	1	1	1	1	1	37.62	49.70572736
11084	19/01/2021	8	8.2	8.2.8.1	2300035816	974	39.2	27.3	31	5.2	19.5	3.3	161	64.4	39.92	75.62	1	1	1	1	1	35.70	47.2103068
11085	19/01/2021	8	8.2	8.2.8.1	230003724	968	46	46.3	30	6.6	23.6	4.1	198	96.8	48.87	75.58	1	1	1	1	1	26.71	35.34280103
11086	19/01/2021	8	8.2	8.2.8.1	2300035236	974	16	69.7	31	6.5	24.1	6.02	202	145.1	72.00	75.62	0	0	0	0	0	3.62	4.785277156
11087	19/01/2021	8	8.2	8.2.8.2	2300020189	988	9	19.1	31	1.4	11	0.8	43	8.8	20.28	75.71	1	1	1	1	1	55.43	73.21792108
11088	19/01/2021	8	8.2	8.2.8.2	2300035812	980	25	28.8	31	2.5	16.1	1.4	78	22.5	29.08	75.66	1	1	1	1	1	46.57	61.55876316
11089	19/01/2021	8	8.2	8.2.8.2	2300020198	984	78	43.1	31	5.3	18.6	3.7	164	68.8	41.89	75.68	1	1	1	1	1	33.80	44.65539106

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11090	19/01/2021	8	8.2	8.2.8.2	2300020202	975	42	44.8	31	5.2	26.1	2.8	161	73.1	45.33	75.63	1	1	1	1	1	30.29	40.05370165
11091	19/01/2021	8	8.2	8.2.8.2	NA	965	114	48.6	31	6.7	14	5.4	208	75.6	36.40	75.56	1	1	1	1	1	39.16	51.82942233
11092	19/01/2021	8	8.2	8.2.8.2	2300035990	968	48	25.7	30	5.2	16.1	2.8	156	45.1	28.90	75.58	1	1	1	1	1	46.68	61.76637061
11093	19/01/2021	8	8.2	8.2.8.2	2300035885	988	70	35.4	30	5.7	16.6	3.8	171	63.1	36.89	75.71	1	1	1	1	1	38.82	51.27555318
11094	19/01/2021	8	8.2	8.2.8.2	2300035823	991	37	28.7	31	3.8	15.7	2.2	118	34.5	29.32	75.73	1	1	1	1	1	46.41	61.28152338
11095	19/01/2021	8	8.2	8.2.8.2	2300035953	980	35	28.7	31	6.7	27	2.09	208	56.4	27.17	75.66	1	1	1	1	1	48.49	64.0897278
11096	19/01/2021	8	8.2	8.2.8.2	NA	975	24	27.88	31	2.5	15.8	1.4	78	22.1	28.54	75.63	1	1	1	1	1	47.08	62.25909676
11097	19/01/2021	8	8.2	8.2.8.2	2300036993	980	49	30.4	31	4.7	16.3	2.8	146	45.6	31.32	75.66	1	1	1	1	1	44.33	58.5970556
11098	19/01/2021	8	8.2	8.2.5.2	2300043972	982	95	42	31	6.7	17.6	4.9	208	86.2	41.52	75.67	1	1	1	1	1	34.15	45.12886723
11099	19/01/2021	8	8.2	8.2.5.2	2300038297	985	118	50.4	31	6.5	22.7	0.4	202	9.1	4.51	75.69	1	1	1	1	1	71.18	94.04650089
11100	19/01/2021	8	8.2	8.2.5.2	2300037956	978	19	24.5	32	0.9	16.2	0.4	29	6.5	22.50	75.65	1	1	1	1	1	53.15	70.25587876
11101	19/01/2021	10	10.4	10.4.5.1	2300029253	969	35	22.5	31	4.7	11.9	2.9	146	34.5	23.69	75.59	1	1	1	1	1	51.90	68.66462825
11102	19/01/2021	10	10.4	10.4.5.1	2300029733	974	47	29.2	31	6.8	12.1	5.3	211	64.1	30.42	75.62	1	1	1	1	1	45.20	59.76942335
11103	19/01/2021	10	10.4	10.4.5.1	NA	977	136	51.7	31	6.8	21.6	5.6	211	121.0	57.38	75.64	1	1	1	1	0	18.26	24.13760639
11104	19/01/2021	10	10.4	10.4.5.1	2300029611	976	29	25.1	31	2.9	16	1.4	90	22.4	24.92	75.63	1	1	1	1	1	50.72	67.05568781
11105	19/01/2021	10	10.4	10.4.5.1	2300029567	981	37	16.7	31	3.5	20.6	0.9	109	18.5	17.09	75.66	1	1	1	1	1	58.58	77.41664825
11106	19/01/2021	10	10.4	10.4.5.1	2300029679	971	22	27.4	31	3.5	17.2	1.1	109	18.9	17.44	75.60	1	1	1	1	1	58.16	76.93426487
11107	19/01/2021	10	10.4	10.4.5.1	2300029225	966	46	40.3	31	2.2	15.7	5.9	68	92.6	135.82	75.57	1	1	1	1	1	-60.25	-79.73268505
11108	19/01/2021	10	10.4	10.4.5.1	NA	944	16	19.2	31	6.6	10.3	1.6	205	16.5	8.05	75.43	1	1	1	1	1	67.37	89.32122862
11109	19/01/2021	10	10.4	10.4.5.1	2300029591	948	31	27.7	31	6.9	23.1	1.1	214	25.4	11.88	75.45	1	1	1	1	1	63.57	84.25595881
11110	19/01/2021	10	10.4	10.4.5.1	2300029768	941	26	25.3	31	2.7	7	1.3	84	9.1	10.87	75.41	1	1	1	1	1	64.54	85.58229258
11111	19/01/2021	10	10.4	10.4.5.1	2300029220	968	26	25	31	2.9	19.5	1	90	19.5	21.69	75.58	1	1	1	1	1	53.89	71.30137188
11112	19/01/2021	10	10.4	10.4.5.1	NA	966	48	26.6	31	6.9	25.3	3.1	214	78.4	36.67	75.57	1	1	1	1	1	38.90	51.47883683
11113	19/01/2021	10	10.4	10.4.5.1	2300028764	964	29	27.1	31	2.9	16.5	1.6	90	26.4	29.37	75.56	1	1	1	1	1	46.19	61.13330821
11114	19/01/2021	10	10.4	10.4.5.1	2300029222	967	21	21	31	3.2	10.9	2.07	99	22.6	22.74	75.57	1	1	1	1	1	52.83	69.90404251
11115	19/01/2021	10	10.4	10.4.5.2	2300029598	954	48	33.1	30	5.05	23.9	3.3	152	78.9	52.06	75.49	1	1	1	1	1	23.43	31.03947202
11116	19/01/2021	10	10.4	10.4.5.2	2300029555	965	112	46.2	32	6.8	16.1	5.4	218	86.9	39.95	75.56	1	1	1	1	1	35.61	47.12415749
11117	19/01/2021	10	10.4	10.4.5.2	2300029557	966	83	36	31	6.2	18.6	5.8	192	107.9	56.13	75.57	1	1	1	1	1	19.44	25.72420184
11118	19/01/2021	10	10.4	10.4.5.2	2300029577	993	132	53.7	31	7.03	26.6	5.9	218	156.9	72.01	75.74	0	0	0	0	0	3.73	4.921034479
11119	19/01/2021	10	10.4	10.4.5.2	NA	981	89	37.7	31	6.4	23.2	3.7	198	85.8	43.27	75.66	1	1	1	1	1	32.40	42.81838086

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11120	19/01/2021	10	10.4	10.4.5.2	2300028829	964	92	41.6	31	6.8	23	5.2	211	119.6	56.74	75.56	1	1	1	1	0	18.82	24.907958
11121	19/01/2021	10	10.4	10.4.5.2	2300029677	960	87	36.9	30	6.7	17.4	4.5	201	78.3	38.96	75.53	1	1	1	1	1	36.57	48.42417069
11122	19/01/2021	10	10.4	10.4.5.2	2300029742	958	121	49.8	30	6.9	19.9	5.5	207	109.5	52.87	75.52	1	1	1	1	1	22.64	29.98363799
11123	19/01/2021	10	10.4	10.4.5.2	2300029302	959	137	55.9	31	6.9	20.9	5.9	214	123.3	57.65	75.52	1	1	1	1	0	17.88	23.66831845
11124	19/01/2021	10	10.4	10.4.5.2	2300029410	975	138	59.3	31	6.8	21.3	5.8	211	123.5	58.61	75.63	1	1	1	1	0	17.02	22.50639583
11125	19/01/2021	10	10.4	10.4.5.2	2300030324	909	24	27.1	34	2.7	16.7	1.5	92	25.1	27.29	75.20	1	1	1	1	1	47.92	63.71505925
11126	19/01/2021	10	10.4	10.4.5.2	2300028952	902	24	28	34	2.3	16.8	1.3	78	21.8	27.93	75.16	1	1	1	1	1	47.23	62.84082669
11127	19/01/2021	10	10.4	10.4.5.2	2300030387	870	83	35.3	34	6.2	18.1	1.05	211	19.0	9.02	74.95	1	1	1	1	1	65.94	87.97174981
11128	19/01/2021	10	10.4	10.4.5.2	2300030304	897	26	24.7	34	2.5	17.3	1.2	85	20.8	24.42	75.13	1	1	1	1	1	50.70	67.49025726
11129	19/01/2021	10	10.4	10.4.5.2	2300030078	885	28	28.3	33	2.9	16	1.7	96	27.2	28.42	75.05	1	1	1	1	1	46.63	62.12904389
11130	19/01/2021	10	10.4	10.4.5.3	2300030327	544	31	21.2	32	3.6	24.7	1.05	115	25.9	22.51	72.87	1	1	1	1	1	50.35	69.10420978
11131	19/01/2021	10	10.4	10.4.5.3	2300030328	932	32	28.6	33	3.03	16.6	1.7	100	28.2	28.22	75.35	1	1	1	1	1	47.13	62.54476093
11132	19/01/2021	10	10.4	10.4.5.3	2300036437	921	27	31.8	33	2.4	22.1	1.7	79	37.6	47.44	75.28	1	1	1	1	1	27.84	36.98642849
11133	19/01/2021	10	10.4	10.4.5.3	2300028814	904	26	27.5	33	2.8	15.7	1.6	92	25.1	27.19	75.17	1	1	1	1	1	47.99	63.8345503
11134	19/01/2021	10	10.4	10.4.5.3	2300029124	907	27	26	33	3.03	15.9	1.6	100	25.4	25.44	75.19	1	1	1	1	1	49.75	66.16268978
11135	20/01/2021	10	10.4	10.4.5.3	2300029106	925	13	24.4	32	0.7	17.5	0.3	22	5.3	23.44	75.31	1	1	1	1	1	51.87	68.87698191
11136	20/01/2021	10	10.4	10.4.5.3	2300029123	917	84	40.6	32	6.2	14.8	5.3	198	78.4	39.54	75.25	1	1	1	1	1	35.72	47.46343048
11137	20/01/2021	10	10.4	10.4.5.3	2300029170	947	87	39.9	32	6.4	14.9	5.6	205	83.4	40.74	75.45	1	1	1	1	1	34.70	45.99878656
11138	20/01/2021	10	10.4	10.4.5.3	2300036139	933	92	40.8	32	6.6	14.8	5.8	211	85.8	40.64	75.36	1	1	1	1	1	34.71	46.06495545
11139	20/01/2021	10	10.4	10.4.5.3	2300029166	964	28	27.5	32	2.08	16.2	1.9	67	30.8	46.24	75.56	1	1	1	1	1	29.31	38.79475461
11140	20/01/2021	10	10.4	10.4.5.3	2300028830	933	117	50.8	31	6.4	19.2	5.4	198	103.7	52.26	75.36	1	1	1	1	1	23.10	30.65285797
11141	20/01/2021	10	10.4	10.4.5.4	2300029125	933	54	24.8	31	6.3	11.9	4.6	195	54.7	28.03	75.36	1	1	1	1	1	47.33	62.80557951
11142	20/01/2021	10	10.4	10.4.5.4	2300029127	943	127	54	31	6.5	20.7	5.4	202	111.8	55.47	75.42	1	1	1	1	1	19.95	26.44780856
11143	20/01/2021	10	10.4	10.4.5.4	2300029169	909	97	43.6	31	6.3	16.6	5.2	195	86.3	44.20	75.20	1	1	1	1	1	31.00	41.22798814
11144	20/01/2021	10	10.4	10.4.5.4	2300036051	974	44	31.4	31	3.9	16	1.6	121	25.6	21.17	75.62	1	1	1	1	1	54.45	71.99862946
11145	20/01/2021	10	10.4	10.4.5.4	2300036079	973	125	53.3	32	6.6	20.4	5.5	211	112.2	53.13	75.61	1	1	1	1	1	22.49	29.74110341
11146	20/01/2021	10	10.4	10.4.5.4	2300029166	979	105	43.2	31	6.7	15.7	5.2	208	81.6	39.31	75.65	1	1	1	1	1	36.34	48.04248377
11147	20/01/2021	10	10.4	10.4.5.4	2300029146	971	48	24.6	31	6.1	11.2	4.3	189	48.2	25.47	75.60	1	1	1	1	1	50.13	66.31233916
11148	20/01/2021	10	10.4	10.4.5.4	2300028815	941	49	26.9	31	6.3	11.4	2.7	195	30.8	15.76	75.41	1	1	1	1	1	59.65	79.09998268
11149	20/01/2021	10	10.4	10.4.5.4	2300028955	934	13	26.8	31	1.3	16.1	0.7	40	11.3	27.97	75.36	1	1	1	1	1	47.40	62.89288125

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11150	20/01/2021	10	10.4	10.4.5.4	2300035989	964	108	50.8	30	6.1	18.5	5.3	183	98.1	53.58	75.56	1	1	1	1	1	21.98	29.08634837
11151	20/01/2021	10	10.4	10.4.5.4	2300028936	962	118	55.7	31	6.06	20	5.3	188	106.0	56.42	75.54	1	1	1	1	1	19.12	25.30724657
11152	20/01/2021	10	10.4	10.4.5.4	2300030305	940	104	48.5	31	6.2	18.3	5.2	192	95.2	49.51	75.40	1	1	1	1	1	25.89	34.33738347
11153	20/01/2021	10	10.4	10.4.3.1	2300028747	957	49	30.6	30	5.1	11.2	4.2	153	47.0	30.75	75.51	1	1	1	1	1	44.77	59.28384014
11154	20/01/2021	10	10.4	10.4.3.1	2300029764	953	91	41.4	31	6.3	14.1	4.8	195	67.7	34.65	75.49	1	1	1	1	1	40.83	54.0911624
11155	20/01/2021	10	10.4	10.4.3.1	2300029753	954	130	57.5	30	6.5	20.7	5.6	195	115.9	59.45	75.49	1	1	1	1	0	16.05	21.25461131
11156	20/01/2021	10	10.4	10.4.3.1	2300029740	954	136	60.6	31	6.3	22.4	5.4	195	121.0	61.94	75.49	1	1	1	0	0	13.56	17.95711858
11157	20/01/2021	10	10.4	10.4.3.1	NA	950	118	53	30	6.4	19.6	5.3	192	103.9	54.10	75.47	1	1	1	1	1	21.36	28.30656631
11158	20/01/2021	10	10.4	10.4.3.1	NA	956	130	66.7	31	6.3	23.6	5.6	195	132.2	67.67	75.50	1	1	0	0	0	7.83	10.37575175
11159	20/01/2021	10	10.4	10.4.3.1	NA	953	19	28.3	31	1.9	16.4	1.05	59	17.2	29.24	75.49	1	1	1	1	1	46.25	61.26923793
11160	20/01/2021	10	10.4	10.4.3.1	2300029568	951	46	25.1	31	3.2	17.1	2.1	99	35.9	36.20	75.47	1	1	1	1	1	39.27	52.03598034
11161	20/01/2021	10	10.4	10.4.3.1	2300029144	951	44	23	20	2.5	11.7	1.5	50	17.6	35.10	75.47	1	1	1	1	1	40.37	53.49293252
11162	20/01/2021	10	10.4	10.4.3.1	NA	950	40	20.1	30	6.7	23.4	2.9	201	67.9	33.76	75.47	1	1	1	1	1	41.70	55.26304027
11163	20/01/2021	10	10.4	10.4.3.1	2300028555	981	80	35.9	32	6.5	6.67	4.4	208	29.3	14.11	75.66	1	1	1	1	1	61.55	81.3523726
11164	20/01/2021	10	10.4	10.4.3.1	NA	978	26	23.8	31	2.2	16	1.06	68	17.0	24.87	75.65	1	1	1	1	1	50.78	67.12542872
11165	20/01/2021	10	10.4	10.4.3.1	2300029274	978	24	28	31	2.5	16	1.4	78	22.4	28.90	75.65	1	1	1	1	1	46.74	61.79106433
11166	20/01/2021	10	10.4	10.4.3.1	2300029744	970	19	25.5	30	2.2	15.1	1.2	66	18.1	27.45	75.59	1	1	1	1	1	48.14	63.68158127
11167	20/01/2021	10	10.4	10.4.3.1	2300028926	971	49	28.2	32	3.8	16.3	2.3	122	37.5	30.83	75.60	1	1	1	1	1	44.77	59.21900928
11168	20/01/2021	10	10.4	10.4.3.2	2300029560	970	15	22.8	30	2.4	10.3	1.4	72	14.4	20.03	75.59	1	1	1	1	1	55.57	73.50612776
11169	20/01/2021	10	10.4	10.4.3.2	2300029718	966	12	26.4	32	1.4	16	6.7	45	107.2	239.29	75.57	1	1	1	1	1	-163.72	-216.6478505
11170	20/01/2021	10	10.4	10.4.3.2	2300029738	975	138	65.5	31	6.1	22.9	5.9	189	135.1	71.45	75.63	1	0	0	0	0	4.18	5.523274007
11171	20/01/2021	10	10.4	10.4.3.2	2300029746	959	45	26.8	30	5.6	10.9	4.2	168	45.8	27.25	75.52	1	1	1	1	1	48.27	63.9185632
11172	20/01/2021	10	10.4	10.4.3.2	2300029751	948	136	59.2	30	6.4	22.1	5.9	192	130.4	67.91	75.45	1	0	0	0	0	7.54	9.995257546
11173	20/01/2021	10	10.4	10.4.3.2	2300029299	952	23	37	31	6.4	16.8	4.5	198	75.6	38.10	75.48	1	1	1	1	1	37.37	49.51583927
11174	20/01/2021	10	10.4	10.4.3.2	2300029748	949	20	18.4	30	2.4	20.2	1.4	72	28.3	39.28	75.46	1	1	1	1	1	36.18	47.94860061
11175	20/01/2021	10	10.4	10.4.3.2	2300028687	964	20	20.4	30	2.4	20.1	1.4	72	28.1	39.08	75.56	1	1	1	1	1	36.47	48.27208925
11176	20/01/2021	10	10.4	10.4.3.2	NA	969	20	16.4	11	2.4	18.4	1.8	26	33.1	125.45	75.59	1	1	1	1	1	-49.87	-65.97238893
11177	20/01/2021	10	10.4	10.4.3.2	2300029574	951	123	54.5	30	6.3	19.7	5.5	189	108.4	57.33	75.47	1	1	1	1	0	18.14	24.04105033
11178	20/01/2021	10	10.4	10.4.3.2	NA	963	111	52.7	30	6.1	19.3	5.2	183	100.4	54.84	75.55	1	1	1	1	1	20.71	27.40951585
11179	20/01/2021	10	10.4	10.4.3.2	2300029739	967	132	59.4	30	6.4	21	5.6	192	117.6	61.25	75.57	1	1	1	0	0	14.32	18.9544663

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11180	20/01/2021	10	10.4	10.4.3.2	2300029269	971	20	18.5	30	2.4	21.2	1.4	72	29.7	41.22	75.60	1	1	1	1	1	34.38	45.47353953
11181	20/01/2021	10	10.4	10.4.3.2	2300029722	961	132	63.8	30	5.9	22.2	5.34	177	118.5	66.98	75.54	1	1	0	0	0	8.56	11.33245536
11182	20/01/2021	10	10.4	10.4.3.3	2300029709	960	40	20.2	30	2.4	21.2	2.1	72	44.5	61.83	75.53	1	1	1	0	0	13.70	18.13407476
11183	20/01/2021	10	10.4	10.4.3.3	NA	960	40	20.4	30	2.5	20.8	1.8	75	37.4	49.92	75.53	1	1	1	1	1	25.61	33.9070568
11184	20/01/2021	10	10.4	10.4.3.3	2300028948	972	17	27.3	31	1.8	16.4	0.9	56	14.8	26.45	75.61	1	1	1	1	1	49.16	65.01424091
11185	20/01/2021	10	10.4	10.4.3.3	NA	883	106	64.7	20	7.03	15	6.4	141	96.0	68.28	75.04	1	0	0	0	0	6.76	9.006725836
11186	20/01/2021	10	10.4	10.4.3.3	NA	990	40.2	20.2	32	2.4	10.1	1.8	77	18.2	23.67	75.72	1	1	1	1	1	52.05	68.73844457
11187	20/01/2021	10	10.4	10.4.3.3	2300029728	974	83	37.5	30	6.6	13.4	5.8	198	77.7	39.25	75.62	1	1	1	1	1	36.37	48.0921279
11188	20/01/2021	10	10.4	10.4.3.3	2300029043	978	135	60.9	30	6.4	21.8	5.6	192	122.1	63.58	75.65	1	1	1	0	0	12.06	15.94531664
11189	20/01/2021	10	10.4	10.4.3.3	2300028857	871	137	65.5	32	5.3	23.3	4.7	170	109.5	64.57	74.96	1	1	0	0	0	10.39	13.86175171
11190	20/01/2021	10	10.4	10.4.3.3	2300029752	855	136	69.7	32	5.09	23.8	4.7	163	111.9	68.68	74.86	1	0	0	0	0	6.18	8.257866721
11191	20/01/2021	10	10.4	10.4.3.3	2300028930	851	20	20.1	23	2.4	18.5	1.2	55	22.2	40.22	74.83	1	1	1	1	1	34.62	46.25671326
11192	20/01/2021	10	10.4	10.4.3.3	2300028908	878	124	65.7	32	4.9	22.7	4.4	157	99.9	63.70	75.01	1	1	1	0	0	11.31	15.07391542
11193	20/01/2021	10	10.4	10.4.3.3	2300028860	880	112	50.3	32	5.7	20.4	4.8	182	97.9	53.68	75.02	1	1	1	1	1	21.33	28.43822746
11194	20/01/2021	10	10.4	10.4.3.4	2300029726	884	131	62.9	32	5.4	22.9	4.4	173	100.8	58.31	75.04	1	1	1	1	0	16.73	22.29825703
11195	20/01/2021	10	10.4	10.4.3.4	2300029026	888	85	63	31	5.3	14.9	4.9	164	73.0	44.44	75.07	1	1	1	1	1	30.63	40.80527636
11196	20/01/2021	10	10.4	10.4.3.4	NA	880	134	66.7	31	5.3	23.3	4.8	164	111.8	68.07	75.02	1	0	0	0	0	6.95	9.260973958
11197	20/01/2021	10	10.4	10.4.3.4	NA	864	108	51.2	31	5.1	19	4.8	158	91.2	57.69	74.92	1	1	1	1	0	17.23	23.00000335
11198	20/01/2021	10	10.4	10.4.3.4	2300029726	845	90	63.4	32	5.6	15	5.6	179	84.0	46.88	74.79	1	1	1	1	1	27.92	37.32786052
11199	20/01/2021	10	10.4	10.4.3.4	2300029731	889	120	42.6	31	5.7	17.5	5.8	177	101.5	57.44	75.08	1	1	1	1	0	17.63	23.48780153
11200	20/01/2021	10	10.4	10.4.3.4	2300028274	915	134	65.3	32	5.5	23.6	4.8	176	113.3	64.36	75.24	1	1	0	0	0	10.88	14.45783424
11201	20/01/2021	10	10.4	10.4.3.4	2300029768	910	134	65.5	31	5.5	3.37	4.8	171	16.2	9.49	75.21	1	1	1	1	1	65.72	87.38546732
11202	20/01/2021	10	10.4	10.4.3.4	2300029734	926	121	52.6	31	6.2	20.5	5.1	192	104.6	54.40	75.31	1	1	1	1	1	20.92	27.77223669
11203	20/01/2021	10	10.4	10.4.3.4	2300028297	920	20	18.8	31	2.4	18.4	1.4	74	25.8	34.62	75.27	1	1	1	1	1	40.65	54.00316721
11204	20/01/2021	10	10.4	10.4.3.4	2300028834	918	18	20.2	30	2.6	20.1	1.6	78	32.2	41.23	75.26	1	1	1	1	1	34.03	45.21643393
11205	20/01/2021	10	10.4	10.4.3.4	2300029594	926	20	20.4	30	2.4	15.5	1.4	72	21.7	30.14	75.31	1	1	1	1	1	45.17	59.98150519
11206	20/01/2021	10	10.4	10.4.3.4	2300029556	930	47	32.9	31	6.4	12.5	5.3	198	66.3	33.39	75.34	1	1	1	1	1	41.95	55.67689998
11207	20/01/2021	10	10.4	10.4.3.4	2300029755	931	128	65.1	32	5.4	22.4	5.01	173	112.2	64.94	75.34	1	1	0	0	0	10.40	13.80322301
11208	20/01/2021	10	10.4	10.4.3.4	2300029607	937	20	18.2	29	2.4	20.1	2.1	70	42.2	60.65	75.38	1	1	1	0	0	14.74	19.54855521
11209	20/01/2021	10	10.4	10.4.3.4	2300029851	930	15	17.4	32	4	25.2	2.4	128	60.5	47.25	75.34	1	1	1	1	1	28.09	37.28264621

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11210	20/01/2021	10	10.4	10.4.3.4	2300029083	901	22	28.6	32	2.1	17	1.2	67	20.4	30.36	75.15	1	1	1	1	1	44.80	59.60589035
11211	20/01/2021	10	10.4	10.4.3.4	2300029566	928	20	26.6	32	2.1	16.1	1.1	67	17.7	26.35	75.33	1	1	1	1	1	48.97	65.01281554
11212	20/01/2021	10	10.4	10.4.4.1	2300029561	934	26	23.1	32	3.8	24	1.2	122	28.8	23.68	75.36	1	1	1	1	1	51.68	68.57340875
11213	20/01/2021	10	10.4	10.4.4.1	2300029081	921	17	21.6	32	1.7	24.4	0.7	54	17.1	31.40	75.28	1	1	1	1	1	43.88	58.29318279
11214	20/01/2021	10	10.4	10.4.4.1	2300029735	958	133	55.4	31	6.6	23	5.4	205	124.2	60.70	75.52	1	1	1	0	0	14.81	19.61591225
11215	20/01/2021	10	10.4	10.4.4.1	2300029693	946	18	23.2	30	1.8	15.9	0.8	54	12.7	23.56	75.44	1	1	1	1	1	51.88	68.77594027
11216	20/01/2021	10	10.4	10.4.4.1	2300029218	948	16	23.7	31	1.6	22.9	0.7	50	16.0	32.32	75.45	1	1	1	1	1	43.13	57.16742512
11217	20/01/2021	10	10.4	10.4.4.1	2300029270	950	14	28.1	31	1.4	23.5	0.1	43	2.4	5.41	75.47	1	1	1	1	1	70.05	92.82491911
11218	20/01/2021	10	10.4	10.4.4.1	NA	958	135	57.4	31	6.6	22.8	5.6	205	127.7	62.40	75.52	1	1	1	0	0	13.11	17.36360447
11219	20/01/2021	10	10.4	10.4.4.1	NA	896	18	26.6	32	1.9	16.1	1.03	61	16.6	27.27	75.12	1	1	1	1	1	47.85	63.69205828
11220	20/01/2021	10	10.4	10.4.4.1	2300028823	892	33	28.6	32	3.5	16.5	2.7	112	44.6	39.78	75.09	1	1	1	1	1	35.32	47.03123823
11221	20/01/2021	10	10.4	10.4.4.1	NA	833	9	27.1	30	1.1	15.3	0.6	33	9.2	27.82	74.72	1	1	1	1	1	46.90	62.7687041
11222	20/01/2021	10	10.4	10.4.4.2	2300029201	868	17	26.9	31	1.6	16.3	0.8	50	13.0	26.29	74.94	1	1	1	1	1	48.65	64.91873285
11223	20/01/2021	10	10.4	10.4.4.2	NA	860	13	27.2	31	1.3	16.5	0.6	40	9.9	24.57	74.89	1	1	1	1	1	50.32	67.1975473
11224	20/01/2021	10	10.4	10.4.4.2	NA	856	16	27.5	32	1.8	15.6	1.02	58	15.9	27.63	74.86	1	1	1	1	1	47.24	63.09995138
11225	20/01/2021	10	10.4	10.4.4.2	NA	870	26	17.5	32	2.3	24.5	1.3	74	31.9	43.27	74.95	1	1	1	1	1	31.68	42.26531403
11226	20/01/2021	10	10.4	10.4.4.2	NA	861	134	59.6	32	6.1	21.8	5.3	195	115.5	59.19	74.90	1	1	1	1	0	15.71	20.97006829
11227	20/01/2021	10	10.4	10.4.4.2	2300029275	868	17	53.2	32	2.8	19	2.4	90	45.6	50.89	74.94	1	1	1	1	1	24.05	32.0896154
11228	20/01/2021	10	10.4	10.4.4.2	2300029978	845	136	57	31	6.1	21.5	5.2	189	111.8	59.12	74.79	1	1	1	1	0	15.67	20.95334173
11229	20/01/2021	10	10.4	10.4.4.2	2300028799	851	24	20	32	2.1	18.1	1.2	67	21.7	32.32	74.83	1	1	1	1	1	42.51	56.80824272
11230	20/01/2021	10	10.4	10.4.4.3	2300028766	856	19	26.9	30	2.2	15.2	1.2	66	18.2	27.64	74.86	1	1	1	1	1	47.23	63.08477242
11231	20/01/2021	10	10.4	10.4.4.3	2300029025	875	24	27	31	2.5	15.8	1.3	78	20.5	26.50	74.99	1	1	1	1	1	48.48	64.655768
11232	20/01/2021	10	10.4	10.4.4.3	2300029609	868	20	26.1	31	2.1	16	1.1	65	17.6	27.04	74.94	1	1	1	1	1	47.91	63.92460988
11233	20/01/2021	10	10.4	10.4.4.3	2300029734	830	31	29	31	3	16.2	1.7	93	27.5	29.61	74.70	1	1	1	1	1	45.09	60.35649786
11234	20/01/2021	10	10.4	10.4.4.3	2300029758	836	32	27.5	30	3.3	15.7	1.8	99	28.3	28.55	74.74	1	1	1	1	1	46.19	61.80515178
11235	20/01/2021	10	10.4	10.4.4.3	2300028913	844	103	63	21	6.3	15.2	5.6	132	85.1	64.34	74.79	1	1	0	0	0	10.45	13.97153494
11236	20/01/2021	10	10.4	10.4.4.3	2300029754	840	20	20	20	6.3	16.2	1.6	126	25.9	20.57	74.76	1	1	1	1	1	54.19	72.48411149
11237	20/01/2021	10	10.4	10.4.4.3	2300029215	888	128	57	32	6.02	20.8	5.2	193	108.2	56.15	75.07	1	1	1	1	1	18.92	25.20743607
11238	20/01/2021	10	10.4	10.4.4.3	2300029745	891	79	38.3	31	5.8	16.6	4.3	180	71.4	39.70	75.09	1	1	1	1	1	35.39	47.12942839
11239	20/01/2021	10	10.4	10.4.4.3	2300029779	868	126	58.2	30	5.9	20.7	5.2	177	107.6	60.81	74.94	1	1	1	0	0	14.13	18.85163392

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11240	20/01/2021	10	10.4	10.4.4.4	2300028864	864	43	11.1	31	6.2	12.6	4.3	192	54.2	28.19	74.92	1	1	1	1	1	46.73	62.37180767
11241	20/01/2021	10	10.4	10.4.4.4	2300028688	874	92	42.7	31	6.1	18	4.4	189	79.2	41.88	74.98	1	1	1	1	1	33.10	44.14133738
11242	20/01/2021	10	10.4	10.4.4.4	2300028975	985	104	40.1	31	7.5	14.6	6.6	233	96.4	41.45	75.69	1	1	1	1	1	34.24	45.24354434
11243	20/01/2021	10	10.4	10.4.4.4	2300028804	948	128	40.9	31	7.2	19.9	5.9	223	117.4	52.60	75.45	1	1	1	1	1	22.85	30.28387584
11244	20/01/2021	10	10.4	10.4.4.4	2300028910	987	11	68.9	32	7.09	23.6	6.5	227	153.4	67.61	75.70	1	1	0	0	0	8.09	10.68648058
11245	20/01/2021	10	10.4	10.4.4.4	2300028808	980	84	36.5	31	6.6	17.2	4.4	205	75.7	36.99	75.66	1	1	1	1	1	38.67	51.10993244
11246	20/01/2021	10	10.4	10.4.1.1	2300035326	970	46	15	30	3.4	15.4	0.9	102	13.9	13.59	75.59	1	1	1	1	1	62.01	82.02471718
11247	20/01/2021	10	10.4	10.4.1.1	2300035700	965	101	61.9	31	7.2	23.8	5.9	223	140.4	62.91	75.56	1	1	1	0	0	12.65	16.74097247
11248	20/01/2021	10	10.4	10.4.1.1	2300037503	966	47	29.7	31	4.5	16.1	2.6	140	41.9	30.01	75.57	1	1	1	1	1	45.56	60.29138045
11249	20/01/2021	10	10.4	10.4.1.1	2300038484	956	65	33.5	31	5.6	16.4	3.6	174	59.0	34.01	75.50	1	1	1	1	1	41.50	54.95730502
11250	20/01/2021	10	10.4	10.4.1.2	2300037446	970	35	21.1	31	1.8	22.9	0.7	56	16.0	28.73	75.59	1	1	1	1	1	46.87	61.99751493
11251	20/01/2021	10	10.4	10.4.1.2	2300039605	978	83	38.1	32	6.3	22.7	4.5	202	102.2	50.67	75.65	1	1	1	1	1	24.98	33.0167111
11252	20/01/2021	10	10.4	10.4.1.2	2300039610	950	42	26.7	30	4.6	15.1	2.6	138	39.3	28.45	75.47	1	1	1	1	1	47.02	62.30186394
11253	20/01/2021	10	10.4	10.4.1.2	NA	948	113	46.7	32	6.8	18.9	5.9	218	111.5	51.25	75.45	1	1	1	1	1	24.21	32.08319274
11254	20/01/2021	10	10.4	10.4.1.2	2300035930	978	51	69.5	31	6.5	11	4.8	202	52.8	26.20	75.65	1	1	1	1	1	49.44	65.36003085
11255	20/01/2021	10	10.4	10.4.1.2	NA	965	78	35.7	31	7.1	16.4	4.3	220	70.5	32.04	75.56	1	1	1	1	1	43.52	57.59775836
11256	20/01/2021	10	10.4	10.4.1.2	2300039608	950	82	38.9	31	7	13.2	6.6	217	87.1	40.15	75.47	1	1	1	1	1	35.32	46.80059174
11257	20/01/2021	10	10.4	10.4.1.2	2300036551	955	86	28.3	31	6.9	14.1	6.01	214	84.7	39.62	75.50	1	1	1	1	1	35.88	47.52561551
11258	20/01/2021	10	10.4	10.4.1.2	2300037387	954	53	68.5	31	5.1	17.4	6.01	158	104.6	66.14	75.49	1	1	0	0	0	9.35	12.38202327
11259	20/01/2021	10	10.4	10.4.1.2	2300035869	958	89	66.4	30	6.7	16.9	6.5	201	109.9	54.65	75.52	1	1	1	1	1	20.87	27.63007461
11260	20/01/2021	10	10.4	10.4.1.2	2300020186	950	72	68.2	32	6.3	15.1	6.3	202	95.1	47.19	75.47	1	1	1	1	1	28.28	37.47184162
11261	20/01/2021	10	10.4	10.4.1.3	2300036531	958	18	58.5	31	7.01	23.5	4.2	217	98.7	45.42	75.52	1	1	1	1	1	30.10	39.85610338
11262	20/01/2021	10	10.4	10.4.1.3	2300022820	948	132	52.6	31	7.1	20.1	6.2	220	124.6	56.62	75.45	1	1	1	1	0	18.83	24.96048105
11263	20/01/2021	10	10.4	10.4.1.3	2300022624	961	128	56.7	31	6.7	22.4	6.04	208	135.3	65.14	75.54	1	1	0	0	0	10.40	13.76329038
11264	20/01/2021	10	10.4	10.4.1.3	2300022821	944	32	24.1		2.2	25	0.9	0	22.5	#DIV/0!	75.43	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11265	20/01/2021	10	10.4	10.4.1.3	2300022191	922	95	40.7	30	6	15.6	6.09	180	95.0	52.78	75.29	1	1	1	1	1	22.51	29.89474915
11266	20/01/2021	10	10.4	10.4.1.3	2300022618	962	47	32.5	32	4.2	13.2	2.6	134	34.3	25.54	75.54	1	1	1	1	1	50.01	66.19702435
11267	20/01/2021	10	10.4	10.4.1.3	2300022626	922	18	29	30	1.8	21.3	0.7	54	14.9	27.61	75.29	1	1	1	1	1	47.68	63.32542875
11268	20/01/2021	10	10.4	10.4.1.3	2300022622	953	11.5	15.9	31	3.2	5.7	2.8	99	16.0	16.09	75.49	1	1	1	1	1	59.40	78.6862727
11269	20/01/2021	10	10.4	10.4.1.3	2300038332	951	45	26.6	30	5.5	14.3	2.9	165	41.5	25.13	75.47	1	1	1	1	1	50.34	66.69864304

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11270	20/01/2021	10	10.4	10.4.1.3	2300038386	980	17	26	30	1.6	20.4	0.6	48	12.2	25.50	75.66	1	1	1	1	1	50.16	66.29569907
11271	20/01/2021	10	10.4	10.4.1.4	2300036511	963	22	23.7	30	2.07	23.2	0.6	62	13.9	22.42	75.55	1	1	1	1	1	53.13	70.32998505
11272	20/01/2021	10	10.4	10.4.1.4	2300038348	980	30	26.5	30	1.6	16.8	0.8	48	13.4	28.00	75.66	1	1	1	1	1	47.66	62.99135584
11273	20/01/2021	10	10.4	10.4.1.4	2300037443	968	32	20.3	30	5.6	6.2	5.1	168	31.6	18.82	75.58	1	1	1	1	1	56.76	75.09773784
11274	20/01/2021	10	10.4	10.4.1.4	2300029612	968	17	17	30	3.7	6.4	3.6	111	23.0	20.76	75.58	1	1	1	1	1	54.82	72.53714316
11275	20/01/2021	10	10.4	10.4.1.4	2300036012	980	12.5	33.3	30	1.09	16.9	0.6	33	10.1	31.01	75.66	1	1	1	1	1	44.65	59.01401793
11276	20/01/2021	10	10.4	10.4.1.4	2300036017	962	22	41.2	22	3.4	14.6	1.5	75	21.9	29.28	75.54	1	1	1	1	1	46.26	61.24306371
11277	20/01/2021	10	10.4	10.4.1.4	2300038043	945	16	22.8	32	1.4	17.2	0.6	45	10.3	23.04	75.43	1	1	1	1	1	52.40	69.46242505
11278	20/01/2021	10	10.4	10.4.1.4	2300028945	948	29	25.4	32	3.2	15.7	1.7	102	26.7	26.06	75.45	1	1	1	1	1	49.39	65.45613291
11279	20/01/2021	10	10.4	10.4.1.4	2300029571	961	26	20.6	30	2.07	11.2	0.8	62	9.0	14.43	75.54	1	1	1	1	1	61.11	80.8988231
11280	20/01/2021	10	10.4	10.4.1.4	2300029606	964	15	23.6	31	1.4	15.9	0.6	43	9.5	21.98	75.56	1	1	1	1	1	53.57	70.90676691
11281	20/01/2021	10	10.4	10.4.1.4	2300036021	944	99	64.5	30	6.6	15	5.9	198	88.5	44.70	75.43	1	1	1	1	1	30.73	40.74189064
11282	20/01/2021	10	10.4	10.4.1.4	2300037435	975	92	57.2	29	6.9	14.2	5.9	200	83.8	41.87	75.63	1	1	1	1	1	33.76	44.63667857
11283	20/01/2021	10	10.4	10.4.1.4	2300039042	987	95	40.7	30	7.3	14.5	6.6	219	95.7	43.70	75.70	1	1	1	1	1	32.00	42.27607151
11284	20/01/2021	10	10.4	10.4.1.4	2300022554	990	26	25.3	30	2.3	1.6	1.9	69	3.0	4.41	75.72	1	1	1	1	1	71.32	94.18161551
11285	20/01/2021	10	10.4	10.4.1.4	2300028247	992	92	41.9	30	6.5	14.7	5.7	195	83.8	42.97	75.73	1	1	1	1	1	32.77	43.26355814
11286	20/01/2021	10	10.4	10.4.2.1	2300035946	992	100	46.8	30	6.3	19.5	4.6	189	89.7	47.46	75.73	1	1	1	1	1	28.27	37.33354091
11287	20/01/2021	10	10.4	10.4.2.1	2300036082	992	71	32.7	30	6.5	12.5	5.3	195	66.3	33.97	75.73	1	1	1	1	1	41.76	55.14035955
11288	20/01/2021	10	10.4	10.4.2.1	2300029466	961	114	50	30	6.5	20.3	4.9	195	99.5	51.01	75.54	1	1	1	1	1	24.53	32.46930432
11289	20/01/2021	10	10.4	10.4.2.1	2300029467	982	83	40.4	30	6.2	14.4	5.3	186	76.3	41.03	75.67	1	1	1	1	1	34.64	45.77530822
11290	20/01/2021	10	10.4	10.4.2.2	2300037490	978	42	26	29	5.1	11.1	3.6	148	40.0	27.02	75.65	1	1	1	1	1	48.63	64.28292135
11291	20/01/2021	10	10.4	10.4.2.2	2300035151	987	77	36.5	30	6.36	13.5	5.3	191	71.6	37.50	75.70	1	1	1	1	1	38.20	50.46418362
11292	20/01/2021	10	10.4	10.4.2.2	2300035227	991	115	51.6	30	6.5	20.9	5.04	195	105.3	54.02	75.73	1	1	1	1	1	21.71	28.66815945
11293	20/01/2021	10	10.4	10.4.2.2	2300035115	995	99	63	20	6.9	14.6	6.2	138	90.5	65.59	75.75	1	1	0	0	0	10.16	13.4115652
11294	20/01/2021	10	10.4	10.4.2.2	NA	997	81	58.7	28	6.2	14.4	5.1	174	73.4	42.30	75.77	1	1	1	1	1	33.46	44.16532378
11295	20/01/2021	10	10.4	10.4.2.2	2300035142	988	88	40.5	30	6.5	14.4	5.6	195	80.6	41.35	75.71	1	1	1	1	1	34.36	45.37804368
11296	20/01/2021	10	10.4	10.4.2.2	2300035483	985	89	40.6	29	5.9	15.6	4.6	171	71.8	41.94	75.69	1	1	1	1	1	33.75	44.58926445
11297	20/01/2021	10	10.4	10.4.2.3	2300035477	974	73	36.9	30	6.1	13.9	4.9	183	68.1	37.22	75.62	1	1	1	1	1	38.40	50.78183535
11298	20/01/2021	10	10.4	10.4.2.3	2300035475	979	86	38.3	30	6.7	14.5	5.5	201	79.8	39.68	75.65	1	1	1	1	1	35.97	47.55349931
11299	20/01/2021	10	10.4	10.4.2.3	2300028944	980	107	63.9	20	7.3	14.8	6.5	146	96.2	65.89	75.66	1	1	0	0	0	9.77	12.91018668

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11300	20/01/2021	10	10.4	10.4.2.3	2300028950	979	94	41	30	6.7	14.3	6.09	201	87.1	43.33	75.65	1	1	1	1	1	32.32	42.72842125
11301	20/01/2021	10	10.4	10.4.2.3	2300029564	977	19	27	31	2.1	16.1	1.1	65	17.7	27.20	75.64	1	1	1	1	1	48.43	64.03393354
11302	20/01/2021	10	10.4	10.4.2.3	2300039468	980	94	40.2	30	6.9	18.7	4.5	207	84.2	40.65	75.66	1	1	1	1	1	35.01	46.26850576
11303	20/01/2021	10	10.4	10.4.2.3	2300035481	983	46	27.1	30	2.09	13.6	1.9	63	25.8	41.21	75.68	1	1	1	1	1	34.47	45.54222248
11304	20/01/2021	10	10.4	10.4.2.3	2300029259	989	136	62.5	30	6.4	22.6	5.4	192	122.0	63.56	75.72	1	1	1	0	0	12.15	16.05098553
11305	20/01/2021	10	10.4	10.4.2.3	2300028957	980	93	44.1	30	6.3	14.7	5.8	189	85.3	45.11	75.66	1	1	1	1	1	30.55	40.37496218
11306	20/01/2021	10	10.4	10.4.2.3	2300039381	985	46	18.7	29	4.5	5.6	4.5	131	25.2	19.31	75.69	1	1	1	1	1	56.38	74.48758776
11307	20/01/2021	10	10.4	10.4.2.4	2300035470	988	114	57.7	30	6.5	23.1	4.4	195	101.6	52.12	75.71	1	1	1	1	1	23.59	31.15357589
11308	20/01/2021	10	10.4	10.4.2.4	2300035999	989	48	32.7	30	6.2	12.8	2.9	186	37.1	19.96	75.72	1	1	1	1	1	55.76	73.64216985
11309	20/01/2021	10	10.4	10.4.2.4	2300035997	986	104	63.3	19	7.2	14.6	6.4	137	93.4	68.30	75.70	1	0	0	0	0	7.39	9.765730514
11310	20/01/2021	10	10.4	10.4.2.4	2300028771	993	130	52.9	30	7.1	21.5	5.5	213	118.3	55.52	75.74	1	1	1	1	1	20.22	26.70246586
11311	20/01/2021	10	10.4	10.4.2.4	2300036441	992	78	37.2	29	6.4	13.3	5.4	186	71.8	38.70	75.73	1	1	1	1	1	37.04	48.90575972
11312	20/01/2021	10	10.4	10.4.2.4	2300036500	1002	81	55.8	29	6.9	12.8	5.8	200	74.2	37.10	75.80	1	1	1	1	1	38.70	51.05272211
11313	20/01/2021	10	10.4	10.4.2.4	2300036403	1003	77	54.2	19	6.5	13.3	5.3	124	70.5	57.08	75.81	1	1	1	1	0	18.73	24.70579449
11314	20/01/2021	10	10.4	10.4.2.4	2300028771	997	130	54	30	7.1	19.9	5.9	213	117.4	55.12	75.77	1	1	1	1	1	20.64	27.24773156
11315	20/01/2021	10	10.4	10.4.2.4	2300036436	996	81	35.1	30	6.9	12.8	5.8	207	74.2	35.86	75.76	1	1	1	1	1	39.90	52.66031555
11316	20/01/2021	10	10.3	10.3.5.1	NA	991	80	35.1	30	6.9	12.9	5.7	207	73.5	35.52	75.73	1	1	1	1	1	40.21	53.09323962
11317	20/01/2021	10	10.3	10.3.5.1	NA	991	100	45.8	30	6.5	18.9	4.8	195	90.7	46.52	75.73	1	1	1	1	1	29.21	38.56587895
11318	20/01/2021	10	10.3	10.3.5.1	2300022613	997	75	36.2	29	6.3	13.3	5.2	183	69.2	37.85	75.77	1	1	1	1	1	37.91	50.03826725
11319	20/01/2021	10	10.3	10.3.5.1	2300022822	994	80	40	29	6.8	13.3	5.7	197	75.8	38.44	75.75	1	1	1	1	1	37.30	49.24828659
11320	20/01/2021	10	10.3	10.3.5.1	NA	1018	134	56.3	32	7.1	24	5.3	227	127.2	55.99	75.90	1	1	1	1	1	19.92	26.23843168
11321	20/01/2021	10	10.3	10.3.5.1	NA	564	16	63.1	32	3.8	24	3.6	122	86.4	71.05	73.00	0	0	0	0	0	1.94	2.661761012
11322	20/01/2021	10	10.3	10.3.5.1	NA	651	27	30.5	32	2.6	24.4	2.3	83	56.1	67.45	73.55	1	0	0	0	0	6.10	8.294055562
11323	20/01/2021	10	10.3	10.3.5.1	2300036088	1013	27	25.1	31	3.1	15.7	1.6	96	25.1	26.14	75.87	1	1	1	1	1	49.73	65.54670659
11324	20/01/2021	10	10.3	10.3.5.1	2300036108	958	26	28	31	2.7	15.8	1.5	84	23.7	28.32	75.52	1	1	1	1	1	47.20	62.50468478
11325	20/01/2021	10	10.3	10.3.5.2	NA	985	129	70	31	4.5	24	4.09	140	98.2	70.37	75.69	1	0	0	0	0	5.32	7.034494124
11326	20/01/2021	10	10.3	10.3.5.2	2300035051	766	78	53.9	20	6.3	13.4	5.3	126	71.0	56.37	74.29	1	1	1	1	0	17.92	24.12667474
11327	20/01/2021	10	10.3	10.3.5.2	2300035541	1005	23	28.7	31	2.4	16.4	1.3	74	21.3	28.66	75.82	1	1	1	1	1	47.16	62.20433937
11328	20/01/2021	10	10.3	10.3.5.2	2300035959	995	97	61.6	20	7.03	14.7	6.1	141	89.7	63.78	75.75	1	1	1	0	0	11.98	15.81082001
11329	20/01/2021	10	10.3	10.3.5.2	2300037927	989	25	27	30	2.6	15.5	1.4	78	21.7	27.82	75.72	1	1	1	1	1	47.90	63.25656427

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11330	20/01/2021	10	10.3	10.3.5.3	2300028987	991	35	29	30	3.5	15.7	2.05	105	32.2	30.65	75.73	1	1	1	1	1	45.08	59.52326874
11331	20/01/2021	10	10.3	10.3.5.3	2300028929	948	24	27	30	2.6	15.8	1.4	78	22.1	28.36	75.45	1	1	1	1	1	47.09	62.41514693
11332	20/01/2021	10	10.3	10.3.5.3	2300022612	965	36	29.1	30	3.7	15.6	2.2	111	34.3	30.92	75.56	1	1	1	1	1	44.64	59.08139155
11333	20/01/2021	10	10.3	10.3.5.3	2300029971	985	127	58.2	30	7.1	20.4	5.1	213	104.0	48.85	75.69	1	1	1	1	1	26.84	35.46694356
11334	20/01/2021	10	10.3	10.3.5.3	2300029191	978	26	23.1	31	2.6	14.4	1.3	81	18.7	23.23	75.65	1	1	1	1	1	52.42	69.29639098
11335	20/01/2021	10	10.3	10.3.5.3	2300036991	990	45	22.8	30	2.3	24.8	1.8	69	44.6	64.70	75.72	1	1	0	0	0	11.03	14.56161727
11336	20/01/2021	10	10.3	10.3.5.3	2300022691	975	124	51.6	30	7.06	19.3	5.9	212	113.9	53.76	75.63	1	1	1	1	1	21.86	28.90939102
11337	20/01/2021	10	10.3	10.3.5.3	2300022602	978	47	26	30	3.5	14.7	2.6	105	38.2	36.40	75.65	1	1	1	1	1	39.25	51.88062164
11338	20/01/2021	10	10.3	10.3.5.3	2300028925	980	138	56.5	30	7.1	20.7	6.1	213	126.3	59.28	75.66	1	1	1	1	0	16.38	21.64517944
11339	20/01/2021	10	10.3	10.3.5.3	2300037932	986	116	48	30	6.8	22.5	4.5	204	101.3	49.63	75.70	1	1	1	1	1	26.06	34.43234693
11340	20/01/2021	10	10.3	10.3.5.4	2300037550	974	38	26.6	31	4.2	16	2.2	130	35.2	27.04	75.62	1	1	1	1	1	48.58	64.24825011
11341	20/01/2021	10	10.3	10.3.5.4	2300037078	981	54	26.1	30	6.2	15.1	3.3	186	49.8	26.79	75.66	1	1	1	1	1	48.87	64.59322669
11342	20/01/2021	10	10.3	10.3.5.4	2300036440	978	26	31	31	3.2	16.5	2.6	99	42.9	43.25	75.65	1	1	1	1	1	32.40	42.83051966
11343	20/01/2021	10	10.3	10.3.6.1	2300036938	975	31	25.6	31	3.1	23.3	2.7	96	62.9	65.46	75.63	1	1	0	0	0	10.16	13.43842156
11344	20/01/2021	10	10.3	10.3.6.1	2300035070	980	93	38.2	30	6.9	14.1	5.01	207	70.6	34.13	75.66	1	1	1	1	1	41.53	54.89427826
11345	20/01/2021	10	10.3	10.3.6.1	2300036606	780	130	49.4	31	4.6	21	3.9	143	81.9	57.43	74.38	1	1	1	1	0	16.94	22.78176331
11346	20/01/2021	10	10.3	10.3.6.1	2300036120	1004	32	15.5	30	2.8	23.9	1.1	84	26.3	31.30	75.81	1	1	1	1	1	44.51	58.71658289
11347	20/01/2021	10	10.3	10.3.6.2	2300036940	1001	29	28	30	3.1	15.8	1.7	93	26.9	28.88	75.79	1	1	1	1	1	46.91	61.89364576
11348	20/01/2021	10	10.3	10.3.6.2	2300035001	971	49	28.6	19	2.9	14.4	2.2	55	31.7	57.50	75.60	1	1	1	1	0	18.10	23.94820293
11349	20/01/2021	10	10.3	10.3.6.2	NA	995	11	25.4	30	2.3	15.3	1.2	69	18.4	26.61	75.75	1	1	1	1	1	49.15	64.87486383
11350	20/01/2021	10	10.3	10.3.6.2	2300029829	984	27	28.9	30	2.7	24.8	1.3	81	32.2	39.80	75.68	1	1	1	1	1	35.88	47.40938706
11351	20/01/2021	10	10.3	10.3.6.2	2300029838	975	40	29.3	30	4.1	14.9	2.5	123	37.3	30.28	75.63	1	1	1	1	1	45.34	59.95483981
11352	20/01/2021	10	10.3	10.3.6.2	2300029389	970	129	54.6	30	7.1	20.3	6.03	213	122.4	57.47	75.59	1	1	1	1	0	18.12	23.97675201
11353	20/01/2021	10	10.3	10.3.6.2	2300028660	988	27	26.6	30	3.09	15.9	1.6	93	25.4	27.44	75.71	1	1	1	1	1	48.27	63.75161051
11354	20/01/2021	10	10.3	10.3.6.2	2300029900	1018	26	22	30	2.5	16	1.1	75	17.6	23.47	75.90	1	1	1	1	1	52.43	69.08261442
11355	20/01/2021	10	10.3	10.3.6.2	2300022016	1005	128	52.8	30	7.3	20.1	5.9	219	118.6	54.15	75.82	1	1	1	1	1	21.67	28.57806203
11356	20/01/2021	10	10.3	10.3.6.2	NA	1001	134	56.3	30	7.2	21.2	5.9	216	125.1	57.91	75.79	1	1	1	1	0	17.88	23.597343
11357	20/01/2021	10	10.3	10.3.6.2	2300028670	1001	13	25	30	1.6	15.3	0.8	48	12.2	25.50	75.79	1	1	1	1	1	50.29	66.35546572
11358	20/01/2021	10	10.3	10.3.6.2	NA	940	49	39.5	30	4.04	17.4	2.9	121	50.5	41.63	75.40	1	1	1	1	1	33.77	44.78440444
11359	20/01/2021	10	10.3	10.3.6.2	2300036959	991	46	29.9	33	6.6	17.4	2.2	218	38.3	17.58	75.73	1	1	1	1	1	58.15	76.79106177

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11360	20/01/2021	10	10.3	10.3.6.3	2300036965	1011	48	16.8	32	5.08	16.3	3.9	163	63.6	39.11	75.86	1	1	1	1	1	36.75	48.44790812
11361	20/01/2021	10	10.3	10.3.6.3	2300025071	1135	42	26.2	30	4.9	16.2	7.1	147	115.0	78.24	76.65	0	0	0	0	0	-1.59	-2.080754024
11362	20/01/2021	10	10.3	10.3.6.3	2300035121	1140	72	28.7	32	7.3	15.7	5.4	234	84.8	36.29	76.68	1	1	1	1	1	40.39	52.67102029
11363	20/01/2021	10	10.3	10.3.6.3	2300036633	1147	77	25	32	7.2	10.8	6.1	230	65.9	28.59	76.73	1	1	1	1	1	48.13	62.73303461
11364	20/01/2021	10	10.3	10.3.6.3	2300036801	1159	89	28.6	31	7.9	11.9	7.1	245	84.5	34.50	76.80	1	1	1	1	1	42.30	55.08049644
11365	20/01/2021	10	10.3	10.3.6.3	2300037794	1141	112	39.9	31	8.1	14.5	2.2	251	31.9	12.70	76.69	1	1	1	1	1	63.98	83.4341283
11366	20/01/2021	10	10.3	10.3.6.3	2300035104	1127	36	28.5	31	3.9	16	2.1	121	33.6	27.79	76.60	1	1	1	1	1	48.81	63.71801742
11367	21/01/2021	10	10.3	10.3.6.3	NA	1088	34	25.2	31	4.05	15	1.7	126	25.5	20.31	76.35	1	1	1	1	1	56.04	73.39771312
11368	21/01/2021	10	10.3	10.3.6.3	2300035060	1094	28	26.1	31	3.2	15.1	6.4	99	96.6	97.42	76.39	1	1	1	1	1	-21.03	-27.53294362
11369	21/01/2021	10	10.3	10.3.6.4	2300039052	667	32	28.4	29	3.3	15	4.02	96	60.3	63.01	73.65	1	1	0	0	0	10.65	14.45309146
11370	21/01/2021	10	10.3	10.3.6.4	2300028801	1013	70	33	32	6.1	16.1	4.2	195	67.6	34.64	75.87	1	1	1	1	1	41.23	54.34063699
11371	21/01/2021	10	10.3	10.3.6.4	2300029419	951	100	42	31	6.7	18.1	5	208	90.5	43.57	75.47	1	1	1	1	1	31.90	42.26702705
11372	21/01/2021	10	10.3	10.3.6.4	2300028922	712	132	59.7	31	4.4	21.8	3.8	136	82.8	60.73	73.94	1	1	1	0	0	13.21	17.86470376
11373	21/01/2021	10	10.3	10.3.6.4	2300029035	604	77	38.2	32	6.6	15.5	4.4	211	68.2	32.29	73.25	1	1	1	1	1	40.96	55.91677633
11374	21/01/2021	10	10.3	10.3.6.4	2300029332	1041	79	33.1	32	6.9	16.5	4.5	221	74.3	33.63	76.05	1	1	1	1	1	42.42	55.78116385
11375	21/01/2021	10	10.3	10.3.6.4	2300028697	1034	43	29.5	31	4.3	15.9	2.5	133	39.8	29.82	76.00	1	1	1	1	1	46.18	60.76507562
11376	21/01/2021	10	10.3	10.3.6.4	2300028674	1020	32	26.2	31	3.3	14.9	2.09	102	31.1	30.44	75.91	1	1	1	1	1	45.47	59.90086122
11377	21/01/2021	10	10.3	10.3.6.4	2300036957	1028	49	31.5	31	5.5	16.4	3.4	171	55.8	32.70	75.97	1	1	1	1	1	43.26	56.94895516
11378	21/01/2021	10	10.3	10.3.6.4	2300036068	1034	89	61.4	30	7.3	15	6.4	219	96.0	43.84	76.00	1	1	1	1	1	32.17	42.32428933
11379	21/01/2021	10	10.3	10.3.6.4	2300036647	1032	24	24.3	31	4.01	16.3	1.9	124	31.0	24.91	75.99	1	1	1	1	1	51.08	67.21508045
11380	21/01/2021	10	10.1	10.1.5.1	NA	1032	14	19.1	31	2.03	10.4	1.9	63	19.8	31.40	75.99	1	1	1	1	1	44.59	58.67925036
11381	21/01/2021	10	10.1	10.1.5.1	2300034964	988	19	20	31	3.01	10.5	1.8	93	18.9	20.26	75.71	1	1	1	1	1	55.45	73.24623194
11382	21/01/2021	10	10.1	10.1.5.1	2300035635	981	26	16.2	31	2.03	15.8	0.9	63	14.2	22.60	75.66	1	1	1	1	1	53.07	70.13584217
11383	21/01/2021	10	10.1	10.1.5.1	2300034919	997	22	15.6	31	4.2	5.3	4.02	130	21.3	16.36	75.77	1	1	1	1	1	59.40	78.40207677
11384	21/01/2021	10	10.1	10.1.5.1	2300039538	1003	30	21.1	31	4.1	9.8	2.8	127	27.4	21.59	75.81	1	1	1	1	1	54.22	71.52002796
11385	21/01/2021	10	10.1	10.1.5.1	2300035945	1005	9.2	25.5	30	1.06	15.3	0.5	32	7.7	24.06	75.82	1	1	1	1	1	51.76	68.2705904
11386	21/01/2021	10	10.1	10.1.5.1	2300036974	1007	16.7	26.4	31	1.8	15.7	0.9	56	14.1	25.32	75.83	1	1	1	1	1	50.51	66.6064704
11387	21/01/2021	10	10.1	10.1.5.2	2300029550	1003	10.2	31.5	31	7.2	14.7	6.3	223	92.6	41.49	75.81	1	1	1	1	1	34.31	45.26505374
11388	21/01/2021	10	10.1	10.1.5.2	2300029458	997	111	45.8	31	7.1	17.6	5.7	220	100.3	45.58	75.77	1	1	1	1	1	30.19	39.84267233
11389	21/01/2021	10	10.1	10.1.5.2	2300029546	991	128	52.2	32	7.08	19.6	5.9	227	115.6	51.04	75.73	1	1	1	1	1	24.69	32.59904254

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11390	21/01/2021	10	10.1	10.1.5.2	2300000533	951	138	54.1	30	7.3	21.2	5.9	219	125.1	57.11	75.47	1	1	1	1	0	18.36	24.32444807
11391	21/01/2021	10	10.1	10.1.5.2	NA	978	46	27.7	30	3.9	24	6.3	117	151.2	129.23	75.65	1	1	1	1	1	-53.59	-70.83802968
11392	21/01/2021	10	10.1	10.1.5.2	2300034937	949	8	25.8	30	0.9	15.9	6.3	27	100.2	371.00	75.46	1	1	1	1	1	-295.54	-391.6538121
11393	21/01/2021	10	10.1	10.1.5.2	2300029506	1029	30	22.3	32	2	14.7	1.4	64	20.6	32.16	75.97	1	1	1	1	1	43.82	57.67332793
11394	21/01/2021	10	10.1	10.1.5.2	2300036058	1040	32	36.6	32	2.6	14.2	2.1	83	29.8	35.84	76.04	1	1	1	1	1	40.20	52.86638153
11395	21/01/2021	10	10.1	10.1.5.2	2300034921	1039	28	24.2	32	2.7	23.6	0.9	86	21.2	24.58	76.04	1	1	1	1	1	51.45	67.66865346
11396	21/01/2021	10	10.1	10.1.5.2	2300035068	957	22	28	31	2.5	14.3	1.5	78	21.5	27.68	75.51	1	1	1	1	1	47.83	63.34640958
11397	21/01/2021	10	10.1	10.1.5.3	2300011751	878	48	61.4	30	5.2	24.3	4.1	156	99.6	63.87	75.01	1	1	0	0	0	11.14	14.85205744
11398	21/01/2021	10	10.1	10.1.5.3	2300041015	1094	120	54.3	30	7.4	22.9	5.6	222	128.2	57.77	76.39	1	1	1	1	0	18.62	24.37808523
11399	21/01/2021	10	10.1	10.1.5.3	2300036069	672	14	18.6	30	1.6	17	1.6	48	27.2	56.67	73.69	1	1	1	1	0	17.02	23.09794065
11400	21/01/2021	10	10.1	10.1.5.3	2300036080	913	76	48.6	31	4.06	18.3	3.2	126	58.6	46.53	75.23	1	1	1	1	1	28.70	38.15182385
11401	21/01/2021	10	10.1	10.1.5.3	2300035893	560	42	33.4	30	3.8	12.5	3.2	114	40.0	35.09	72.97	1	1	1	1	1	37.88	51.91487009
11402	21/01/2021	10	10.1	10.1.5.3	2300035654	897	17	24.3	31	1.6	16.2	0.8	50	13.0	26.13	75.13	1	1	1	1	1	49.00	65.22009155
11403	21/01/2021	10	10.1	10.1.5.3	2300036977	911	44	34.2	31	4.6	16.2	3.2	143	51.8	36.35	75.22	1	1	1	1	1	38.86	51.66820509
11404	21/01/2021	10	10.1	10.1.5.3	2300034651	850	24	25.6	31	2.2	22	0.8	68	17.6	25.81	74.83	1	1	1	1	1	49.02	65.51138426
11405	21/01/2021	10	10.1	10.1.5.3	2300034949	987	40	18.2	30	4	6.7	3.4	120	22.8	18.98	75.70	1	1	1	1	1	56.72	74.92386895
11406	21/01/2021	10	10.1	10.1.5.3	2300029496	561	26	70.5	31	2.9	24	2.6	90	62.4	69.41	72.98	0	0	0	0	0	3.57	4.886434433
11407	21/01/2021	10	10.1	10.1.5.3	2300035913	508	83	49.8	31	3.8	19.5	3.1	118	60.5	51.32	72.64	1	1	1	1	1	21.32	29.35329353
11408	21/01/2021	10	10.1	10.1.5.3	2300036083	1073	13	26.8	32	1.5	16.4	0.8	48	13.1	27.33	76.25	1	1	1	1	1	48.92	64.1545098
11409	21/01/2021	10	10.1	10.1.5.4	2300064155	1075	42	27.5	32	3.2	24.2	1.9	102	46.0	44.90	76.27	1	1	1	1	1	31.36	41.12403463
11410	21/01/2021	10	10.1	10.1.5.4	2300040540	1045	42	31.5	32	4.2	26.1	2.2	134	57.4	42.72	76.07	1	1	1	1	1	33.35	43.83992654
11411	21/01/2021	10	10.1	10.1.5.4	2300035191	992	29	27.5	32	3.01	16.2	1.7	96	27.5	28.59	75.73	1	1	1	1	1	47.14	62.24695557
11412	21/01/2021	10	10.1	10.1.5.4	2300036932	940	101	41	30	7.04	17.9	5.2	211	93.1	44.07	75.40	1	1	1	1	1	31.33	41.55066219
11413	21/01/2021	10	10.1	10.1.5.4	2300035662	612	15	22.7	32	1.3	15.6	0.6	42	9.4	22.50	73.30	1	1	1	1	1	50.80	69.3054017
11414	21/01/2021	10	10.1	10.1.5.4	2300035644	982	26	17.1	32	2.7	16.1	0.9	86	14.5	16.77	75.67	1	1	1	1	1	58.90	77.83711374
11415	21/01/2021	10	10.1	10.1.5.4	2300037565	900	43	28.8	32	4.2	16.2	2.4	134	38.9	28.93	75.15	1	1	1	1	1	46.22	61.50351126
11416	21/01/2021	10	10.1	10.1.5.4	2300037540	817	24	27.5	32	2.5	15.9	1.4	80	22.3	27.83	74.61	1	1	1	1	1	46.79	62.70847071
11417	21/01/2021	10	10.1	10.1.6.1	2300035003	971	17	24.5	32	1.6	16.4	0.6	51	9.8	19.22	75.60	1	1	1	1	1	56.38	74.57850752
11418	21/01/2021	10	10.1	10.1.6.1	NA	965	13.4	25.8	32	1.4	16.2	6.1	45	98.8	220.58	75.56	1	1	1	1	1	-145.02	-191.9196913
11419	21/01/2021	10	10.1	10.1.6.1	NA	950	45	30	30	6.7	12.4	5.2	201	64.5	32.08	75.47	1	1	1	1	1	43.39	57.49131796

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11420	21/01/2021	10	10.1	10.1.6.1	2300035007	900	48	27.8	30	5.1	15.5	3	153	46.5	30.39	75.15	1	1	1	1	1	44.75	59.55585545
11421	21/01/2021	10	10.1	10.1.6.1	2300035265	867	72	37.7	32	6.1	14.1	5.2	195	73.3	37.56	74.93	1	1	1	1	1	37.37	49.87445698
11422	21/01/2021	10	10.1	10.1.6.1	2300035838	982	71	32.1	32	6.5	16.8	4.4	208	73.9	35.54	75.67	1	1	1	1	1	40.13	53.03543568
11423	21/01/2021	10	10.1	10.1.6.2	NA	851	49	27.7	32	5.1	16.7	2.7	163	45.1	27.63	74.83	1	1	1	1	1	47.20	63.07925916
11424	21/01/2021	10	10.1	10.1.6.2	NA	950	70	33.9	30	6.2	12.4	5.4	186	67.0	36.00	75.47	1	1	1	1	1	39.47	52.29639838
11425	21/01/2021	10	10.1	10.1.6.2	NA	954	22.5	28.1	32	2.1	16.6	1.2	67	19.9	29.64	75.49	1	1	1	1	1	45.85	60.73356884
11426	21/01/2021	10	10.1	10.1.6.3	2300029029	975	26	29.1	32	2.7	25.3	1.01	86	25.6	29.58	75.63	1	1	1	1	1	46.05	60.89277301
11427	21/01/2021	10	10.1	10.1.6.3	NA	1003	24	25.7	32	2.2	17	1.1	70	18.7	26.56	75.81	1	1	1	1	1	49.24	64.95952784
11428	21/01/2021	10	10.1	10.1.6.3	2300034974	985	34	14.9	31	3.4	24.7	0.6	105	14.8	14.06	75.69	1	1	1	1	1	61.63	81.42327776
11429	21/01/2021	10	10.1	10.1.6.3	2300029676	980	15	27	31	1.6	17	0.8	50	13.6	27.42	75.66	1	1	1	1	1	48.24	63.7588162
11430	21/01/2021	10	10.1	10.1.6.3	2300029051	1030	40	35	31	3.5	26.5	1.4	109	37.1	34.19	75.98	1	1	1	1	1	41.78	54.99546133
11431	21/01/2021	10	10.1	10.1.6.3	2300035585	665	23	27.9	31	1.7	15.1	0.9	53	13.6	25.79	73.64	1	1	1	1	1	47.85	64.98265082
11432	21/01/2021	10	10.1	10.1.6.4	2300035846	995	137	55.8	31	6.4	20.5	6.01	198	123.2	62.10	75.75	1	1	1	0	0	13.65	18.02506223
11433	21/01/2021	10	10.1	10.1.6.4	2300013973	979	43	30.5	31	3.3	16.7	1.9	102	31.7	31.02	75.65	1	1	1	1	1	44.63	59.00071143
11434	21/01/2021	10	10.1	10.1.6.4	2300073288	504	46	39	31	4.6	24	2.07	143	49.7	34.84	72.61	1	1	1	1	1	37.77	52.02046274
11435	21/01/2021	10	10.3	10.3.3.1	2300035908	996	19	26.9	32	2.09	16.5	1.06	67	17.5	26.15	75.76	1	1	1	1	1	49.61	65.48155001
11436	21/01/2021	10	10.3	10.3.3.1	2300036368	983	26	23.4	31	2.5	16	1.9	78	30.4	39.23	75.68	1	1	1	1	1	36.45	48.16694268
11437	21/01/2021	10	10.3	10.3.3.1	2300020197	972	30	29.4	31	2.9	16	1.7	90	27.2	30.26	75.61	1	1	1	1	1	45.35	59.9826473
11438	21/01/2021	10	10.3	10.3.3.1	2300020196	901	17	25.5	31	2.02	15.1	1.08	63	16.3	26.04	75.15	1	1	1	1	1	49.11	65.3466851
11439	21/01/2021	10	10.3	10.3.3.1	2300035230	544	36	52.6	32	2.6	24.8	1.9	83	47.1	56.63	72.87	1	1	1	1	0	16.23	22.27736966
11440	21/01/2021	10	10.3	10.3.3.1	2300035840	519	103	43.1	30	6.9	15.8	6.1	207	96.4	46.56	72.71	1	1	1	1	1	26.15	35.96214636
11441	21/01/2021	10	10.3	10.3.3.1	2300024695	977	12	27.2	32	1.2	16.3	0.6	38	9.8	25.47	75.64	1	1	1	1	1	50.17	66.32845841
11442	21/01/2021	10	10.3	10.3.3.1	NA	1025	26	23.9	31	1.4	16.2	0.7	43	11.3	26.13	75.95	1	1	1	1	1	49.82	65.59524892
11443	21/01/2021	10	10.3	10.3.3.2	NA	1021	15	27	31	1.6	16.1	0.9	50	14.5	29.21	75.92	1	1	1	1	1	46.71	61.52060622
11444	21/01/2021	10	10.3	10.3.3.2	NA	1070	47	29.9	32	2.3	14.4	2.4	74	34.6	46.96	76.23	1	1	1	1	1	29.28	38.4047515
11445	21/01/2021	10	10.3	10.3.3.2	2300036399	1015	96	61.6	21	6.5	15	5.9	137	88.5	64.84	75.88	1	1	0	0	0	11.05	14.5579125
11446	21/01/2021	10	10.3	10.3.3.2	NA	1007	22	25.2	31	0.8	16.4	0.4	25	6.6	26.45	75.83	1	1	1	1	1	49.38	65.11758691
11447	21/01/2021	10	10.3	10.3.3.3	2300036400	968	115	16.4	31	6.6	15	1.6	205	24.0	11.73	75.58	1	1	1	1	1	63.85	84.47999598
11448	21/01/2021	10	10.3	10.3.3.3	2300035237	989	20	14.4	31	4.6	20.4	1.5	143	30.6	21.46	75.72	1	1	1	1	1	54.26	71.65891108
11449	21/01/2021	10	10.3	10.3.3.3	2300035228	1004	13	26	31	1.4	15.6	0.7	43	10.9	25.16	75.81	1	1	1	1	1	50.65	66.81076468

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11450	21/01/2021	10	10.3	10.3.3.3	2300035159	1001	8	27.1	30	0.8	15.8	0.4	24	6.3	26.33	75.79	1	1	1	1	1	49.46	65.25597114
11451	21/01/2021	10	10.3	10.3.3.3	2300035997	1013	12	10	30	0.1	20.1	0.07	3	1.4	46.90	75.87	1	1	1	1	1	28.97	38.18308352
11452	21/01/2021	10	10.3	10.3.3.4	2300035136	931	20	20.5	19	0.2	15.2	0.1	4	1.5	40.00	75.34	1	1	1	1	1	35.34	46.91045386
11453	21/01/2021	10	10.3	10.3.3.4	2300034931	1064	15	21	31	0.1	15.9	2.4	3	38.2	1230.97	76.20	1	1	1	1	1	-1154.77	-1515.536516
11454	21/01/2021	10	10.3	10.3.3.4	2300035554	1053	31	20	30	1.5	22.2	1.5	45	33.3	74.00	76.13	0	0	0	0	0	2.13	2.791716803
11455	21/01/2021	10	10.3	10.3.3.4	2300035820	906	20	20	30	2.6	20.6	1.4	78	28.8	36.97	75.18	1	1	1	1	1	38.21	50.82176758
11456	21/01/2021	10	10.3	10.3.3.4	2300035982	904	20	19.2	30	2.5	15.4	2.4	75	37.0	49.28	75.17	1	1	1	1	1	25.89	34.443327
11457	21/01/2021	10	10.3	10.3.3.4	2300035234	901	19	20.2	30	2.1	20.2	1	63	20.2	32.06	75.15	1	1	1	1	1	43.09	57.33537177
11458	21/01/2021	10	10.3	10.3.3.4	2300035050	608	15	20.2	19	1.5	19.2	1	29	19.2	67.37	73.28	1	0	0	0	0	5.91	8.063598155
11459	21/01/2021	10	10.3	10.3.3.4	2300034978	607	26	15.4	20	0.1	10.1	2	2	20.2	1010.00	73.27	1	1	1	1	1	-936.73	-1278.448168
11460	21/01/2021	10	10.3	10.3.3.4	2300035066	900	30	14.2	30	0.1	12.4	1.2	3	14.9	496.00	75.15	1	1	1	1	1	-420.85	-560.048439
11461	21/01/2021	10	10.3	10.3.3.4	2300036698	956	31	13.3	30	0.2	12.4	1.4	6	17.4	289.33	75.50	1	1	1	1	1	-213.83	-283.2006258
11462	21/01/2021	10	10.3	10.3.3.4	2300035078	945	31	20.4	30	0.9	12.5	1.5	27	18.8	69.44	75.43	1	0	0	0	0	5.99	7.940127205
11463	21/01/2021	10	10.3	10.3.3.4	2300035217	946	30	22.3	25	0.5	12.7	1	13	12.7	101.60	75.44	1	1	1	1	1	-26.16	-34.67585008
11464	21/01/2021	10	10.3	10.3.3.4	2300035074	940	35	24.2	22	0.1	10.1	1.06	2	10.7	486.64	75.40	1	1	1	1	1	-411.23	-545.3891987
11465	21/01/2021	10	10.3	10.3.3.4	2300035808	945	35	25.4	30	0.6	20.2	1.01	18	20.4	113.34	75.43	1	1	1	1	1	-37.91	-50.25644198
11466	21/01/2021	10	10.3	10.3.3.4	2300035796	946	30	20.5	31	0.5	15.2	2.4	16	36.5	235.35	75.44	1	1	1	1	1	-159.91	-211.9745371
11467	21/01/2021	10	10.3	10.3.3.4	2300020188	940	32	21.6	30	2.4	15.4	1.5	72	23.1	32.08	75.40	1	1	1	1	1	43.32	57.45028867
11468	21/01/2021	10	10.3	10.3.4.1	2300037257	945	32	19.7	31	2.7	12.2	1	84	12.2	14.58	75.43	1	1	1	1	1	60.86	80.67732562
11469	21/01/2021	10	10.3	10.3.4.1	2300035089	945	30	17.6	30	2.4	10.2	1.5	72	15.3	21.25	75.43	1	1	1	1	1	54.18	71.82967892
11470	21/01/2021	10	10.3	10.3.4.1	2300035688	946	30	21.9	32	2.1	10.5	1.2	67	12.6	18.75	75.44	1	1	1	1	1	56.69	75.14594302
11471	21/01/2021	10	10.3	10.3.4.2	2300037583	945	30	20.3	30	2	12.6	1.2	60	15.1	25.20	75.43	1	1	1	1	1	50.23	66.59331336
11472	21/01/2021	10	10.3	10.3.4.2	2300035251	946	22	25.2	30	2.1	12.7	1.4	63	17.8	28.22	75.44	1	1	1	1	1	47.22	62.59004165
11473	21/01/2021	10	10.3	10.3.4.2	NA	950	20	20.2	30	1.4	20	1	42	20.0	47.62	75.47	1	1	1	1	1	27.85	36.89999785
11474	21/01/2021	10	10.3	10.3.4.2	NA	690	78	50.8	19	4.9	13.4	3.8	93	50.9	54.69	73.80	1	1	1	1	1	19.11	25.89106318
11475	21/01/2021	10	10.3	10.3.4.2	2300041705	904	81	54.9	30	6.7	10.4	5.5	201	57.2	28.46	75.17	1	1	1	1	1	46.71	62.14300156
11476	21/01/2021	10	10.3	10.3.4.2	2300029080	1050	49	41.7	19	5.4	11.8	3.9	103	46.0	44.85	76.11	1	1	1	1	1	31.25	41.06404072
11477	21/01/2021	10	10.3	10.3.4.2	2300029573	1052	20	20.1	20	2.4	10.4	1.4	48	14.6	30.33	76.12	1	1	1	1	1	45.79	60.15001112
11478	21/01/2021	10	10.3	10.3.4.2	2300037520	1078	44	48.5	19	3.9	12.5	2.04	74	25.5	34.41	76.29	1	1	1	1	1	41.87	54.8890801
11479	21/01/2021	10	10.3	10.3.4.2	2300029311	995	33	26.5	30	4.1	14	3.5	123	49.0	39.84	75.75	1	1	1	1	1	35.92	47.412152

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11480	21/01/2021	10	10.3	10.3.4.2	2300036696	990	86	38.3	30	6.5	18.1	4.3	195	77.8	39.91	75.72	1	1	1	1	1	35.81	47.29032446
11481	21/01/2021	10	10.3	10.3.4.3	2300036562	995	20	30	30	2.4	20.1	1.4	72	28.1	39.08	75.75	1	1	1	1	1	36.67	48.40756484
11482	21/01/2021	10	10.3	10.3.4.3	2300035152	1026	73	51	20	6.4	13.1	5.4	128	70.7	55.27	75.95	1	1	1	1	1	20.69	27.23649944
11483	21/01/2021	10	10.3	10.3.4.3	2300034902	1020	20	20	30	6.1	10.2	2.4	183	24.5	13.38	75.91	1	1	1	1	1	62.54	82.37867958
11484	21/01/2021	10	10.3	10.3.4.3	2300036538	1020	86	38.1	30	6.8	17.7	4.6	204	81.4	39.91	75.91	1	1	1	1	1	36.00	47.42502739
11485	21/01/2021	10	10.3	10.3.4.3	2300035009	1020	20	20	30	1.6	10.2	1	48	10.2	21.25	75.91	1	1	1	1	1	54.66	72.0077983
11486	21/01/2021	10	10.3	10.3.4.3	2300036659	1025	89	27.5	20	7.1	14	6.01	142	84.1	59.25	75.95	1	1	1	1	0	16.69	21.97940494
11487	21/01/2021	10	10.3	10.3.4.3	2300037639	1022	112	49.6	30	6.8	19.7	5.3	204	104.4	51.18	75.93	1	1	1	1	1	24.75	32.5911634
11488	21/01/2021	10	10.3	10.3.4.3	2300035123	989	24	30.6	30	2.5	10.4	1.6	75	16.6	22.19	75.72	1	1	1	1	1	53.53	70.697364
11489	21/01/2021	10	10.3	10.3.4.3	2300036699	990	59	30.4	30	6.09	11.8	4.7	183	55.5	30.36	75.72	1	1	1	1	1	45.37	59.91155213
11490	21/01/2021	10	10.3	10.3.4.3	2300035053	1012	47	32	28	3.3	11.9	2.1	92	25.0	27.05	75.86	1	1	1	1	1	48.82	64.34951709
11491	21/01/2021	10	10.3	10.3.4.3	2300035055	1013	129	44.8	30	7.1	20	5.9	213	118.0	55.40	75.87	1	1	1	1	1	20.47	26.9808288
11492	21/01/2021	10	10.3	10.3.4.4	2300035248	1016	138	59.6	29	7.1	20.8	6.1	206	126.9	61.62	75.89	1	1	1	0	0	14.27	18.79899079
11493	21/01/2021	10	10.3	10.3.4.4	2300029576	1003	123	55.4	29	6.7	20	5.6	194	112.0	57.64	75.81	1	1	1	1	0	18.16	23.95927934
11494	21/01/2021	10	10.3	10.3.4.4	2300028664	984	120	50.6	29	6.4	21.7	4.5	186	97.7	52.61	75.68	1	1	1	1	1	23.07	30.48276436
11495	21/01/2021	10	10.3	10.3.4.4	2300028828	804	20	20.4	28	2.4	20.1	1.4	67	28.1	41.88	74.53	1	1	1	1	1	32.66	43.81577747
11496	21/01/2021	10	10.3	10.3.4.4	NA	976	83	34.1	30	7.32	12.9	6.03	220	77.8	35.42	75.63	1	1	1	1	1	40.21	53.16540114
11497	21/01/2021	10	10.3	10.3.4.4	2300028847	989	83	38.2	30	6.7	13.3	5.7	201	75.8	37.72	75.72	1	1	1	1	1	38.00	50.18672782
11498	21/01/2021	10	10.3	10.3.4.4	2300028837	606	127	55.2	30	6.9	20.7	5.6	207	115.9	56.00	73.26	1	1	1	1	0	17.26	23.56451428
11499	21/01/2021	10	10.3	10.3.4.4	2300041607	609	20	20.4	20	1.4	20.2	1	28	20.2	72.14	73.28	0	0	0	0	0	1.14	1.556614109
11500	21/01/2021	10	10.3	10.3.4.4	2300029017	965	14	55.7	19	3.04	13.3	2.4	58	31.9	55.26	75.56	1	1	1	1	1	20.30	26.86382322
11501	21/01/2021	10	10.3	10.3.4.4	2300029552	654	26	28.8	30	2.2	13.5	1.7	66	23.0	34.77	73.57	1	1	1	1	1	38.80	52.73620898
11502	21/01/2021	10	10.3	10.3.4.4	2300037613	772	49	42.2	24	5.2	11.4	3.9	125	44.5	35.63	74.33	1	1	1	1	1	38.70	52.06977833
11503	21/01/2021	10	10.3	10.3.4.4	2300035258	652	33	33.9	29	5.09	12.7	4.1	148	52.1	35.28	73.56	1	1	1	1	1	38.28	52.04463933
11504	21/01/2021	10	10.3	10.3.4.4	2300036694	959	136	56.2	30	6.8	21.6	5.6	204	121.0	59.29	75.52	1	1	1	1	0	16.23	21.48928594
11505	21/01/2021	10	10.3	10.3.4.4	2300036688	1010	85	36	30	6.9	13.8	5.6	207	77.3	37.33	75.85	1	1	1	1	1	38.52	50.78004834
11506	21/01/2021	6	6.3	6.3.2.2	2300045233	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
11507	21/01/2021	6	6.3	6.3.2.2	NA	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
11508	21/01/2021	6	6.3	6.3.2.2	2300045882	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
11509	21/01/2021	6	6.3	6.3.2.3	2300043186	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11510	21/01/2021	6	6.3	6.3.2.3	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
11511	21/01/2021	6	6.3	6.3.2.4	NA	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
11512	21/01/2021	6	6.3	6.3.2.4	2300045232	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
11513	21/01/2021	6	6.3	6.3.3.1	2300045360	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
11514	21/01/2021	6	6.3	6.3.3.1	2300045361	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
11515	21/01/2021	6	6.3	6.3.3.1	NA	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
11516	21/01/2021	6	6.3	6.3.3.1	NA	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
11517	21/01/2021	6	6.3	6.3.3.1	2300043220	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
11518	21/01/2021	6	6.3	6.3.3.2	NA	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
11519	21/01/2021	6	6.3	6.3.3.2	NA	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
11520	21/01/2021	6	6.3	6.3.3.2	2300045288	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
11521	21/01/2021	6	6.3	6.3.3.3	2300044793	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
11522	21/01/2021	6	6.3	6.3.3.3	NA	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
11523	21/01/2021	6	6.3	6.3.3.3	NA	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
11524	21/01/2021	6	6.3	6.3.3.3	NA	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
11525	21/01/2021	6	6.3	6.3.3.3	2300043231	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
11526	21/01/2021	6	6.3	6.3.3.4	NA	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
11527	21/01/2021	6	6.3	6.3.3.4	NA	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
11528	21/01/2021	6	6.3	6.3.3.4	NA	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
11529	21/01/2021	6	6.3	6.3.3.4	2300045285	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
11530	21/01/2021	6	6.3	6.3.3.4	2300045128	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
11531	21/01/2021	6	6.3	6.3.4.1	2300045147	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
11532	21/01/2021	6	6.3	6.3.4.1	NA	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
11533	21/01/2021	6	6.3	6.3.4.1	2300045222	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
11534	21/01/2021	6	6.3	6.3.4.1	2300045240	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
11535	21/01/2021	6	6.3	6.3.4.2	2300039415	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
11536	21/01/2021	6	6.3	6.3.4.3	2300045221	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
11537	21/01/2021	6	6.3	6.3.4.3	2300045228	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
11538	21/01/2021	6	6.3	6.3.4.4	2300042152	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
11539	21/01/2021	6	6.3	6.3.4.4	2300042495	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11540	21/01/2021	6	6.3	6.3.4.4	2300045519	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
11541	21/01/2021	6	6.3	6.3.4.4	2300045522	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
11542	21/01/2021	6	6.3	6.3.4.4	NA	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
11543	21/01/2021	6	6.3	6.3.4.4	2300047478	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
11544	21/01/2021	6	6.3	6.3.4.4	2300045529	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
11545	21/01/2021	6	6.3	6.3.4.4	2300045195	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
11546	21/01/2021	6	6.3	6.3.4.4	2300045524	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
11547	21/01/2021	6	6.3	6.3.4.4	2300045420	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
11548	21/01/2021	6	6.3	6.3.4.4	2300047119	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
11549	21/01/2021	6	6.3	6.3.4.4	2300045724	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
11550	21/01/2021	6	6.3	6.3.4.4	NA	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
11551	21/01/2021	6	6.3	6.3.4.4	NA	935	90	41.9	31	6.48	14.7	5.9	201	86.7	43.18	75.37	1	1	1	1	1	32.19	42.71589509
11552	21/01/2021	6	6.3	6.3.4.4	2300045508	966	98	63.6	30	6.99	14.6	6.3	210	92.0	43.86	75.57	1	1	1	1	1	31.71	41.95634558
11553	21/01/2021	6	6.3	6.3.4.4	2300041127	977	143	56.6	30	7.45	22	6	224	132.0	59.06	75.64	1	1	1	1	0	16.58	21.91784814
11554	21/01/2021	6	6.3	6.3.4.4	2300042819	1010	140	58.1	30	7.39	20.5	6.4	222	131.2	59.18	75.85	1	1	1	1	0	16.67	21.97881237
11555	21/01/2021	6	6.3	6.3.4.4	2300047117	1011	145	63.2	30	6.9	21.8	6.2	207	135.2	65.29	75.86	1	1	0	0	0	10.56	13.92329983
11556	21/01/2021	6	6.3	6.3.4.4	2300046780	890	141	60.2	30	6.77	21.6	6.01	203	129.8	63.92	75.08	1	1	0	0	0	11.16	14.87003259
11557	21/01/2021	6	6.3	6.3.4.4	2300045246	985	140	59.3	30	7.4	21	6.12	222	128.5	57.89	75.69	1	1	1	1	0	17.80	23.51447762
11558	21/01/2021	6	6.3	6.3.4.4	2300048241	988	140	65.5	30	6.77	22.3	6.12	203	136.5	67.20	75.71	1	1	0	0	0	8.51	11.24400344
11559	21/01/2021	6	6.3	6.3.4.4	2300045241	891	99	62.7	19	6.07	14.3	6.34	115	90.7	78.61	75.09	0	0	0	0	0	-3.52	-4.691193996
11560	21/01/2021	6	6.3	6.3.4.4	NA	967	137	57.6	30	6.81	23.1	5.1	204	117.8	57.67	75.57	1	1	1	1	0	17.91	23.6978487
11561	21/01/2021	6	6.3	6.3.4.4	2300046863	976	145	58.8	30	7.13	22.6	5.7	214	128.8	60.22	75.63	1	1	1	1	0	15.41	20.37221624
11562	21/01/2021	6	6.3	6.3.5.1	2300045536	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
11563	21/01/2021	6	6.3	6.3.5.1	2300046913	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
11564	21/01/2021	6	6.3	6.3.5.1	NA	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
11565	21/01/2021	6	6.3	6.3.5.2	2300047024	629	84	65.4	30	4.3	21.4	2.4	129	51.4	39.81	73.41	1	1	1	1	1	33.60	45.76612758
11566	21/01/2021	6	6.3	6.3.5.2	2300042229	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
11567	21/01/2021	6	6.3	6.3.5.3	2300041109	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
11568	21/01/2021	6	6.3	6.3.5.3	2300041340	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
11569	21/01/2021	6	6.3	6.3.5.3	2300042193	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11570	21/01/2021	6	6.3	6.3.5.4	NA	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
11571	21/01/2021	6	6.3	6.3.5.4	NA	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
11572	21/01/2021	6	6.3	6.3.5.4	NA	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
11573	21/01/2021	6	6.3	6.3.6.1	NA	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
11574	21/01/2021	6	6.3	6.3.6.1	NA	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
11575	21/01/2021	6	6.3	6.3.6.2	2300075100	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
11576	21/01/2021	6	6.3	6.3.6.2	NA	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
11577	21/01/2021	6	6.3	6.3.6.2	2300045943	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
11578	21/01/2021	6	6.3	6.3.6.3	2300057052	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
11579	21/01/2021	6	6.3	6.3.6.3	2300057970	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
11580	21/01/2021	6	6.3	6.3.6.3	2300057040	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
11581	21/01/2021	9	9.5	9.5.5.1	2300038282	954	66	30.9	31	6.3	12.3	4.7	195	57.8	29.60	75.49	1	1	1	1	1	45.89	60.78952567
11582	21/01/2021	9	9.5	9.5.5.1	2300038304	968	80	35.5	30	6.7	13.6	5.5	201	74.8	37.21	75.58	1	1	1	1	1	38.37	50.76298028
11583	21/01/2021	9	9.5	9.5.5.2	2300038630	975	69	33.2	31	6.2	12.9	5.1	192	65.8	34.23	75.63	1	1	1	1	1	41.40	54.73782987
11584	21/01/2021	9	9.5	9.5.5.2	2300037734	964	16	63	30	3.4	22.9	2.9	102	66.4	65.11	75.56	1	1	0	0	0	10.45	13.82790536
11585	21/01/2021	9	9.5	9.5.5.2	2300035710	985	134	53.2	32	6.9	24.7	4.9	221	121.0	54.81	75.69	1	1	1	1	1	20.88	27.58051051
11586	21/01/2021	9	9.5	9.5.5.2	2300036910	758	68	40.5	30	5.6	15.6	4.8	168	74.9	44.57	74.24	1	1	1	1	1	29.67	39.96078978
11587	21/01/2021	9	9.5	9.5.5.2	2300036922	685	122	52.5	32	4.6	21.8	3.5	147	76.3	51.83	73.77	1	1	1	1	1	21.94	29.73534075
11588	21/01/2021	9	9.5	9.5.5.2	2300038846	625	89	54.7	20	3.6	14	3	72	42.0	58.33	73.39	1	1	1	1	0	15.05	20.51163255
11589	21/01/2021	9	9.5	9.5.5.3	2300030381	589	86	38.7	31	6.6	14.9	5.6	205	83.4	40.78	73.16	1	1	1	1	1	32.37	44.25305283
11590	21/01/2021	9	9.5	9.5.5.3	2300037789	614	74	33.2	32	6.3	13.7	5	202	68.5	33.98	73.32	1	1	1	1	1	39.34	53.65491846
11591	21/01/2021	9	9.5	9.5.5.3	2300037780	768	46	23.6	31	4.3	11.8	2.7	133	31.9	23.90	74.30	1	1	1	1	1	50.40	67.83231597
11592	21/01/2021	9	9.5	9.5.5.3	NA	745	48	55.1	32	7.3	25.2	5.1	234	128.5	55.02	74.15	1	1	1	1	1	19.14	25.80693788
11593	21/01/2021	9	9.5	9.5.5.3	2300037954	915	83	35.1	24	6.7	14	5.4	161	75.6	47.01	75.24	1	1	1	1	1	28.23	37.51505094
11594	21/01/2021	9	9.5	9.5.5.4	2300037716	909	8	44	30	3.5	15.2	3.1	105	47.1	44.88	75.20	1	1	1	1	1	30.33	40.32707148
11595	21/01/2021	9	9.5	9.5.5.4	2300038843	946	125	54.7	31	6.6	22.3	5.2	205	116.0	56.68	75.44	1	1	1	1	0	18.76	24.87255922
11596	21/01/2021	9	9.5	9.5.5.4	2300036077	976	85	38.8	32	6.5	14.7	5.6	208	82.3	39.58	75.63	1	1	1	1	1	36.06	47.67199894
11597	21/01/2021	9	9.5	9.5.5.4	2300039041	1015	21	60.6	31	7.7	15	6.7	239	100.5	42.10	75.88	1	1	1	1	1	33.78	44.51509155
11598	21/01/2021	9	9.5	9.5.5.4	2300037735	1020	12	58.6	30	6.9	22.9	4.8	207	109.9	53.10	75.91	1	1	1	1	1	22.81	30.05051865
11599	22/01/2021	9	9.5	9.5.5.4	2300037725	945	124	53.4	30	6.6	20.4	5.3	198	108.1	54.61	75.43	1	1	1	1	1	20.83	27.6108113

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11600	22/01/2021	9	9.5	9.5.4	2300036776	945	43	28.5	30	6	11.5	3.8	180	43.7	24.28	75.43	1	1	1	1	1	51.16	67.81586847
11601	22/01/2021	9	9.5	9.5.4	2300036926	948	83	39.2	29	6.8	14.1	5.4	197	76.1	38.61	75.45	1	1	1	1	1	36.84	48.8284822
11602	22/01/2021	9	9.5	9.5.4	2300039919	957	134	53.6	30	6.5	23.1	4.9	195	113.2	58.05	75.51	1	1	1	1	0	17.46	23.12867319
11603	22/01/2021	9	9.5	9.5.4	2300036914	942	77	35.9	30	5.8	13.7	5.3	174	72.6	41.73	75.41	1	1	1	1	1	33.68	44.66618614
11604	22/01/2021	9	9.5	9.5.4	2300036393	937	46	21.3	31	6.2	6.7	6.3	192	42.2	21.96	75.38	1	1	1	1	1	53.42	70.86669845
11605	22/01/2021	9	9.5	9.5.4	2300030028	966	69	34	29	6.3	12.7	5.1	183	64.8	35.45	75.57	1	1	1	1	1	40.12	53.08679298
11606	22/01/2021	9	9.5	9.5.4	2300024907	974	91	38.4	30	6.9	14.7	5.8	207	85.3	41.19	75.62	1	1	1	1	1	34.43	45.53210306
11607	22/01/2021	9	9.5	9.5.4	2300038920	970	102	48	30	6	19.7	4.5	180	88.7	49.25	75.59	1	1	1	1	1	26.34	34.84932667
11608	22/01/2021	9	9.5	9.5.4	2300039244	950	44	33.6	30	4.8	13.3	3.6	144	47.9	33.25	75.47	1	1	1	1	1	42.22	55.9404235
11609	22/01/2021	9	9.5	9.5.6.1	2300056592	950	91	36.6	30	6.9	18.3	4.3	207	78.7	38.01	75.47	1	1	1	1	1	37.45	49.62699394
11610	22/01/2021	9	9.5	9.5.6.1	NA	970	67	32.6	31	6.1	12.6	5.1	189	64.3	33.98	75.59	1	1	1	1	1	41.61	55.04667024
11611	22/01/2021	9	9.5	9.5.6.1	2300056363	965	78	50.6	21	7.1	14.7	4.7	149	69.1	46.34	75.56	1	1	1	1	1	29.22	38.67548746
11612	22/01/2021	9	9.5	9.5.6.1	2300056422	942	29	24	30	7	10.6	3.09	210	32.8	15.60	75.41	1	1	1	1	1	59.82	79.3181937
11613	22/01/2021	9	9.5	9.5.6.1	2300056404	951	106	47.7	30	6.1	20.9	4.3	183	89.9	49.11	75.47	1	1	1	1	1	26.36	34.9307964
11614	22/01/2021	9	9.5	9.5.6.1	2300056537	974	72	34.7	29	6.4	12.8	5.2	186	66.6	35.86	75.62	1	1	1	1	1	39.76	52.57569603
11615	22/01/2021	9	9.5	9.5.6.1	2300056352	964	33	36.2	30	5.8	17.9	3.6	174	64.4	37.03	75.56	1	1	1	1	1	38.52	50.98380165
11616	22/01/2021	9	9.5	9.5.6.1	2300056365	972	75	46.2	26	6.5	13.1	5.3	169	69.4	41.08	75.61	1	1	1	1	1	34.52	45.66250623
11617	22/01/2021	9	9.5	9.5.6.1	2300056485	969	111	45.1	30	6.09	20.4	4.7	183	95.9	52.48	75.59	1	1	1	1	1	23.11	30.57131785
11618	22/01/2021	9	9.5	9.5.6.1	2300056390	959	49	40.4	21	5.2	11.5	3.9	109	44.9	41.07	75.52	1	1	1	1	1	34.45	45.61775581
11619	22/01/2021	9	9.5	9.5.6.1	2300056646	952	105	43	31	6.7	19.8	4.6	208	91.1	43.85	75.48	1	1	1	1	1	31.63	41.90195234
11620	22/01/2021	9	9.5	9.5.6.1	2300056368	961	71	33.7	32	6.4	13.3	5.1	205	67.8	33.12	75.54	1	1	1	1	1	42.42	56.15343439
11621	22/01/2021	9	9.5	9.5.6.1	2300056534	951	138	61.8	31	6.2	22.8	5.3	192	120.8	62.87	75.47	1	1	1	0	0	12.60	16.6953637
11622	22/01/2021	9	9.5	9.5.6.1	2300056503	952	95	42.9	31	6.6	15.1	5.8	205	87.6	42.81	75.48	1	1	1	1	1	32.67	43.28808341
11623	22/01/2021	9	9.5	9.5.6.1	2300056432	929	49	27.6	32	4.8	17.1	2.9	154	49.6	32.29	75.33	1	1	1	1	1	43.05	57.1426118
11624	22/01/2021	9	9.5	9.5.6.1	2300056327	937	84	37.8	31	6.6	19.1	5.7	205	108.9	53.21	75.38	1	1	1	1	1	22.17	29.4120891
11625	22/01/2021	9	9.5	9.5.6.1	2300056443	952	72	35	32	6.41	13.2	5.2	205	68.6	33.46	75.48	1	1	1	1	1	42.02	55.66524834
11626	22/01/2021	9	9.5	9.5.6.1	2300056327	947	83	39.5	31	6.05	17.4	4.2	188	73.1	38.97	75.45	1	1	1	1	1	36.48	48.35352968
11627	22/01/2021	9	9.5	9.5.6.1	2300056385	958	58	30.3	31	6.09	12.1	4.7	189	56.9	30.12	75.52	1	1	1	1	1	45.39	60.11052111
11628	22/01/2021	9	9.5	9.5.6.1	2300056590	968	131	51.5	31	6.4	22.5	5.1	198	114.8	57.84	75.58	1	1	1	1	0	17.74	23.47607393
11629	22/01/2021	9	9.5	9.5.6.1	2300056580	956	120	50.7	30	6.6	20.73	5.1	198	105.7	53.40	75.50	1	1	1	1	1	22.11	29.28166498

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11630	22/01/2021	9	9.5	9.5.6.1	2300056421	968	105	49.3	30	5.9	22.4	4.1	177	91.8	51.89	75.58	1	1	1	1	1	23.69	31.34932278
11631	22/01/2021	9	9.5	9.5.6.1	NA	978	78	38.3	22	6.3	13.6	5.2	139	70.7	51.02	75.65	1	1	1	1	1	24.62	32.5475628
11632	22/01/2021	9	9.5	9.5.6.1	2300056514	989	89	37.2	30	6.4	13.8	5.3	192	73.1	38.09	75.72	1	1	1	1	1	37.62	49.68837333
11633	22/01/2021	9	9.5	9.5.6.2	2300056437	956	80	37.4	30	6.5	13.9	5.5	195	76.5	39.21	75.50	1	1	1	1	1	36.30	48.07570393
11634	22/01/2021	9	9.5	9.5.6.2	2300056557	848	107	49.5	30	5.9	19.7	4.6	177	90.6	51.20	74.81	1	1	1	1	1	23.62	31.56589998
11635	22/01/2021	9	9.5	9.5.6.2	NA	874	69	50.9	20	5.8	12.8	4.7	116	60.2	51.86	74.98	1	1	1	1	1	23.12	30.83176095
11636	22/01/2021	9	9.5	9.5.6.2	2300056628	986	120	52.4	30	6.03	20	6.9	181	138.0	76.29	75.70	0	0	0	0	0	-0.59	-0.777897581
11637	22/01/2021	9	9.5	9.5.6.2	2300056435	875	82	59	20	6.4	13.6	5.3	128	72.1	56.31	74.99	1	1	1	1	0	18.67	24.90264849
11638	22/01/2021	9	9.5	9.5.6.2	NA	948	93	41	30	6.3	18.6	4.3	189	80.0	42.32	75.45	1	1	1	1	1	33.14	43.9156188
11639	22/01/2021	9	9.5	9.5.6.2	2300055568	708	45	39.6	30	4.6	14.5	3.9	138	56.6	40.98	73.92	1	1	1	1	1	32.94	44.5619411
11640	22/01/2021	9	9.5	9.5.6.2	2300056439	714	16.4	32.6	30	4.3	12.5	3.4	129	42.5	32.95	73.96	1	1	1	1	1	41.01	55.45200575
11641	22/01/2021	9	9.5	9.5.6.2	NA	768	20	34.7	31	4.3	13.5	3.4	133	45.9	34.43	74.30	1	1	1	1	1	39.87	53.6567264
11642	22/01/2021	9	9.5	9.5.6.2	2300056585	654	21	34.3	31	4.5	13.7	3.5	140	48.0	34.37	73.57	1	1	1	1	1	39.20	53.27985275
11643	22/01/2021	9	9.5	9.5.6.2	2300057461	694	46	36	30	3.3	13.9	2.6	99	36.1	36.51	73.83	1	1	1	1	1	37.32	50.55365405
11644	22/01/2021	9	9.5	9.5.6.2	2300056353	689	40.6	35.8	31	4.6	13.5	3.8	143	51.3	35.97	73.80	1	1	1	1	1	37.82	51.25081366
11645	22/01/2021	9	9.5	9.5.6.2	2300056629	685	15	32.6	31	4.3	12.9	3.4	133	43.9	32.90	73.77	1	1	1	1	1	40.87	55.39755211
11646	22/01/2021	9	9.5	9.5.6.2	2300056434	672	81	52.1	21	4.4	14.2	3.54	92	50.3	54.40	73.69	1	1	1	1	1	19.28	26.1704981
11647	22/01/2021	9	9.5	9.5.6.2	2300056442	671	83	52.2	21	4.3	14.3	3.3	90	47.2	52.26	73.68	1	1	1	1	1	21.42	29.07321864
11648	22/01/2021	9	9.5	9.5.6.2	2300056418	668	12	28.5	11	1.8	4.9	0.7	20	3.4	17.32	73.66	1	1	1	1	1	56.34	76.48255483
11649	22/01/2021	9	9.5	9.5.6.2	2300056566	680	28	36.4	31	4.8	13.9	3.9	149	54.2	36.43	73.74	1	1	1	1	1	37.31	50.5933825
11650	22/01/2021	9	9.5	9.5.6.2	2300056539	654	53	44.2	31	4.6	15.3	4.2	143	64.3	45.06	73.57	1	1	1	1	1	28.51	38.74930869
11651	22/01/2021	9	9.5	9.5.6.2	2300056366	649	93	40.2	31	4.4	18.5	3.1	136	57.4	42.05	73.54	1	1	1	1	1	31.49	42.82610383
11652	22/01/2021	9	9.5	9.5.6.2	2300056489	648	20	38.4	30	4.5	20.2	2.4	135	48.5	35.91	73.53	1	1	1	1	1	37.62	51.16340495
11653	22/01/2021	9	9.5	9.5.6.2	2300056708	651	46	31.3	31	4.4	12.2	3.5	136	42.7	31.30	73.55	1	1	1	1	1	42.25	57.43852636
11654	22/01/2021	9	9.5	9.5.6.2	2300056348	655	124	49.5	31	4.5	20.6	3.4	140	70.0	50.21	73.58	1	1	1	1	1	23.37	31.76236741
11655	22/01/2021	9	9.5	9.5.6.3	2300056584	649	49	42.2	20	4.03	12	2.9	81	34.8	43.18	73.54	1	1	1	1	1	30.36	41.28853208
11656	22/01/2021	9	9.5	9.5.6.3	2300056589	641	10	34.2	30	4.2	13	3.4	126	44.2	35.08	73.49	1	1	1	1	1	38.41	52.26543906
11657	22/01/2021	9	9.5	9.5.6.3	2300056419	645	12	36.4	30	4.4	13.3	3.6	132	47.9	36.27	73.51	1	1	1	1	1	37.24	50.65874898
11658	22/01/2021	9	9.5	9.5.6.3	2300056396	645	26	27	29	3.3	11.3	2.3	96	26.0	27.16	73.51	1	1	1	1	1	46.36	63.05766964
11659	22/01/2021	9	9.5	9.5.6.3	2300056532	648	42	42.7	22	3.8	12.5	3.02	84	37.8	45.16	73.53	1	1	1	1	1	28.38	38.5916805

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11660	22/01/2021	9	9.5	9.5.6.3	2300056611	650	29	25.7	26	2.8	9.4	2.1	73	19.7	27.12	73.55	1	1	1	1	1	46.43	63.13139448
11661	22/01/2021	9	9.5	9.5.6.3	2300056531	644	41	30.1	30	4	12.3	3.1	120	38.1	31.78	73.51	1	1	1	1	1	41.73	56.7731772
11662	22/01/2021	9	9.5	9.5.6.3	2300056538	628	18	31.1	30	4.4	13.7	3.8	132	52.1	39.44	73.41	1	1	1	1	1	33.97	46.27166204
11663	22/01/2021	9	9.5	9.5.6.3	2300056497	624	23	37.7	31	4.4	14.5	3.6	136	52.2	38.27	73.38	1	1	1	1	1	35.11	47.8468202
11664	22/01/2021	9	9.5	9.5.6.3	2300056433	623	51	47.1	27	4.2	15.1	3.9	113	58.9	51.93	73.37	1	1	1	1	1	21.44	29.22318104
11665	22/01/2021	9	9.5	9.5.6.3	2300056529	596	32	68.7	30	3.2	24.9	2.8	96	69.7	72.63	73.20	0	0	0	0	0	0.58	0.786061278
11666	22/01/2021	9	9.5	9.5.6.3	2300056549	610	19	38.3	29	3.9	14.1	3.2	113	45.1	39.89	73.29	1	1	1	1	1	33.40	45.56706344
11667	22/01/2021	9	9.5	9.5.6.3	2300036533	548	36	44	31	4.1	16.3	3.4	127	55.4	43.60	72.89	1	1	1	1	1	29.29	40.18171538
11668	22/01/2021	9	9.5	9.5.6.3	2300056511	533	136	44.5	30	4.02	19.9	2.7	121	53.7	44.55	72.80	1	1	1	1	1	28.24	38.79951591
11669	22/01/2021	9	9.5	9.5.6.3	2300056550	540	42	25.2	30	4.1	11.9	2.7	123	32.1	26.12	72.84	1	1	1	1	1	46.72	64.13888798
11670	22/01/2021	9	9.5	9.5.6.3	2300056530	550	17	42.7	30	4.2	15.3	3.7	126	56.6	44.93	72.91	1	1	1	1	1	27.98	38.37465856
11671	22/01/2021	9	9.5	9.5.6.3	2300056413	532	107	42.6	31	4.01	15.4	3.5	124	53.9	43.36	72.79	1	1	1	1	1	29.43	40.43293441
11672	22/01/2021	9	9.5	9.5.6.3	2300056696	517	38	30.4	31	3.5	15	2.3	109	34.5	31.80	72.69	1	1	1	1	1	40.90	56.25927161
11673	22/01/2021	9	9.5	9.5.6.3	2300056666	507	132	46.5	30	3.5	12.6	3.4	105	42.8	40.80	72.63	1	1	1	1	1	31.83	43.82548451
11674	22/01/2021	9	9.5	9.5.6.3	2300056699	553	6	40.1	32	3.6	14.5	3.07	115	44.5	38.64	72.93	1	1	1	1	1	34.28	47.01215347
11675	22/01/2021	9	9.5	9.5.6.3	2300056578	-	10	-	-	-	-	-	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
11676	22/01/2021	9	9.5	9.5.6.3	2300056589	-	10	-	-	-	-	-	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
11677	22/01/2021	9	9.5	9.5.6.3	2300056563	-	10	-	-	-	-	-	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
11678	22/01/2021	9	9.5	9.5.6.3	2300056524	833	20	30.4	30	2.4	20.5	1.4	72	28.7	39.86	74.72	1	1	1	1	1	34.86	46.65068938
11679	22/01/2021	9	9.5	9.5.6.4	2300036564	915	20	30.5	11	2.4	18.5	2.1	26	38.9	147.16	75.24	1	1	1	1	1	-71.92	-95.58104637
11680	22/01/2021	9	9.5	9.5.6.4	2300036430	904	20	24	20	2.5	17.4	1.5	50	26.1	52.20	75.17	1	1	1	1	1	22.97	30.55888128
11681	22/01/2021	9	9.5	9.5.6.4	2300056602	924	40	54.8	11	5.6	7	5.3	62	37.1	60.23	75.30	1	1	1	1	0	15.07	20.01647721
11682	22/01/2021	9	9.5	9.5.6.4	2300056441	947	92	62.2	20	6.2	14.8	5.4	124	79.9	64.45	75.45	1	1	0	0	0	11.00	14.57343068
11683	22/01/2021	9	9.5	9.5.6.4	2300056597	942	66	34.3	30	5.9	13.8	4.6	177	63.5	35.86	75.41	1	1	1	1	1	39.55	52.4438084
11684	22/01/2021	9	9.5	9.5.6.4	2300056551	954	104	62.9	20	7.03	14.6	6.3	141	92.0	65.42	75.49	1	1	0	0	0	10.07	13.3418418
11685	22/01/2021	9	9.5	9.5.6.4	2300056663	973	134	56.1	30	5.1	22.7	5.5	153	124.9	81.60	75.61	1	0	0	0	0	-5.99	-7.919393954
11686	22/01/2021	9	9.5	9.5.6.4	2300056350	859	89	63.6	20	4.8	15.1	4.2	96	63.4	66.06	74.88	1	1	0	0	0	8.82	11.77974884
11687	22/01/2021	9	9.5	9.5.6.4	2300056649	969	128	58.9	31	6.4	22.4	5.5	198	123.2	62.10	75.59	1	1	1	0	0	13.49	17.84793512
11688	22/01/2021	9	9.5	9.5.6.4	2300056674	982	93	57.6	20	6.9	14.6	5.8	138	84.7	61.36	75.67	1	1	1	0	0	14.31	18.90885409
11689	22/01/2021	9	9.5	9.5.6.4	2300056429	956	46	49	31	4.1	14.5	3.5	127	50.8	39.93	75.50	1	1	1	1	1	35.58	47.11673808

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11690	22/01/2021	9	9.5	9.5.6.4	2300042719	983	132	61.9	30	6.3	22.1	5.4	189	119.3	63.14	75.68	1	1	1	0	0	12.53	16.56290515
11691	22/01/2021	10	10.3	10.3.1.1	2300029646	1008	134	53.4	30	7.4	22.1	5.6	222	123.8	55.75	75.84	1	1	1	1	1	20.09	26.49023468
11692	22/01/2021	10	10.3	10.3.1.1	2300029359	1015	93	44.2	30	6.4	19.2	4.5	192	86.4	45.00	75.88	1	1	1	1	1	30.88	40.69739859
11693	22/01/2021	10	10.3	10.3.1.1	2300036075	773	105	50.2	32	6.5	15.6	5.9	208	92.0	44.25	74.33	1	1	1	1	1	30.08	40.47074524
11694	22/01/2021	10	10.3	10.3.1.1	2300029408	1010	78	34.6	31	6.5	13.5	5.3	202	71.6	35.51	75.85	1	1	1	1	1	40.34	53.18564949
11695	22/01/2021	10	10.3	10.3.1.1	2300030220	975	138	67.4	31	4.2	24.4	3.6	130	87.8	67.47	75.63	1	1	0	0	0	8.16	10.79068338
11696	22/01/2021	10	10.3	10.3.1.2	NA	519	94	62.4	30	5.4	14.6	4.8	162	70.1	43.26	72.71	1	1	1	1	1	29.45	40.50242442
11697	22/01/2021	10	10.3	10.3.1.2	2300035620	927	70	33.5	30	6.06	13.2	4.8	182	63.4	34.85	75.32	1	1	1	1	1	40.47	53.72803981
11698	22/01/2021	10	10.3	10.3.1.2	2300036023	1007	42	23.8	30	4.3	13	2.07	129	26.9	20.86	75.83	1	1	1	1	1	54.97	72.49077536
11699	22/01/2021	10	10.3	10.3.1.2	2300035932	1005	44	32.9	27	6.4	12	2.9	173	34.8	20.14	75.82	1	1	1	1	1	55.68	73.43785264
11700	22/01/2021	10	10.3	10.3.1.2	2300035395	995	46	33	30	4.03	12.8	4.4	121	56.3	46.58	75.75	1	1	1	1	1	29.17	38.50627864
11701	22/01/2021	10	10.3	10.3.1.2	2300035427	1001	81	38.9	29	6.3	14.1	5.3	183	74.7	40.90	75.79	1	1	1	1	1	34.89	46.03268947
11702	22/01/2021	10	10.3	10.3.1.2	NA	1004	104	48.6	30	5.3	20.4	4.1	159	83.6	52.60	75.81	1	1	1	1	1	23.21	30.61250048
11703	22/01/2021	10	10.3	10.3.1.2	2300035424	989	44	30	27	4.8	11.4	3.3	130	37.6	29.03	75.72	1	1	1	1	1	46.69	61.66209106
11704	22/01/2021	10	10.3	10.3.1.2	2300029395	943	128	61.2	30	5.2	23.5	4.2	156	98.7	63.27	75.42	1	1	1	0	0	12.15	16.11213986
11705	22/01/2021	10	10.3	10.3.1.3	2300035422	1034	46	30.8	28	4.5	11	3.2	126	35.2	27.94	76.00	1	1	1	1	1	48.07	63.24317804
11706	22/01/2021	10	10.3	10.3.1.3	2300029645	1019	33	18.6	30	5.04	10	2.8	151	28.0	18.52	75.91	1	1	1	1	1	57.39	75.6038677
11707	22/01/2021	10	10.3	10.3.1.3	2300036563	1010	84	37.7	30	6.4	14.3	5.3	192	75.8	39.47	75.85	1	1	1	1	1	36.38	47.9578664
11708	22/01/2021	10	10.3	10.3.1.3	2300029143	993	26	13	30	1.01	0.2	0.01	30	0.0	0.01	75.74	1	1	1	1	1	75.73	99.99128524
11709	22/01/2021	10	10.3	10.3.1.3	2300029420	970	20	20	5	1.06	0.2	0.2	5	0.0	0.75	75.59	1	1	1	1	1	74.84	99.00161788
11710	22/01/2021	10	10.3	10.3.1.3	2300036567	948	47	26.5	30	1.1	11.1	0.1	33	1.1	3.36	75.45	1	1	1	1	1	72.09	95.54208918
11711	22/01/2021	10	10.3	10.3.1.3	2300029425	948	46	34.3	30	5.5	16.6	3.5	165	58.1	35.21	75.45	1	1	1	1	1	40.24	53.33250119
11712	22/01/2021	10	10.3	10.3.1.3	2300029398	926	106	44.3	30	5.6	21	4.3	168	90.3	53.75	75.31	1	1	1	1	1	21.56	28.63061063
11713	22/01/2021	10	10.3	10.3.1.3	2300029352	915	136	67.3	31	6.4	20	5.6	198	112.0	56.45	75.24	1	1	1	1	0	18.79	24.97326905
11714	22/01/2021	10	10.3	10.3.1.3	2300029418	736	111	53.1	31	5	23	4.2	155	96.6	62.32	74.10	1	1	1	0	0	11.77	15.88986692
11715	22/01/2021	10	10.3	10.3.1.4	2300029631	899	43	29.6	29	3	12.3	2.2	87	27.1	31.10	75.14	1	1	1	1	1	44.04	58.60578407
11716	22/01/2021	10	10.3	10.3.1.4	2300035557	1017	47	43.5	20	4.06	4.9	3.6	81	17.6	21.72	75.89	1	1	1	1	1	54.17	71.37598632
11717	22/01/2021	10	10.3	10.3.1.4	NA	1062	79	34.5	30	6.8	13.1	5.4	204	70.7	34.68	76.18	1	1	1	1	1	41.51	54.48254647
11718	22/01/2021	10	10.3	10.3.1.4	2300026031	1064	48	31	29	6.8	12.5	4.8	197	60.0	30.43	76.20	1	1	1	1	1	45.77	60.06860831
11719	22/01/2021	10	10.3	10.3.1.4	2300036627	660	17	25.9	20	4.7	9	1.01	94	9.1	9.67	73.61	1	1	1	1	1	63.94	86.86290889

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11720	22/01/2021	10	10.3	10.3.1.4	2300036024	1001	137	61.5	31	6.9	22.4	6.3	214	141.1	65.97	75.79	1	1	0	0	0	9.82	12.95333759
11721	22/01/2021	10	10.3	10.3.1.4	2300036059	983	136	56.2	31	7.2	23.1	5.6	223	129.4	57.96	75.68	1	1	1	1	0	17.72	23.41552112
11722	22/01/2021	10	10.3	10.3.1.4	2300035388	1026	73	42.2	31	6.6	12.6	5.6	205	70.6	34.49	75.95	1	1	1	1	1	41.47	54.59418857
11723	22/01/2021	10	10.3	10.3.1.4	2300037549	1020	14	27.2	17	2.1	13	5.2	36	67.6	189.36	75.91	1	1	1	1	1	-113.44	-149.4345474
11724	22/01/2021	10	10.3	10.3.1.4	2300036001	991	133	68.8	30	5.2	22.8	4.8	156	109.4	70.15	75.73	1	0	0	0	0	5.57	7.36124604
11725	22/01/2021	10	10.3	10.3.1.4	2300029409	941	120	60.9	30	3.2	22.7	2.6	96	59.0	61.48	75.41	1	1	1	0	0	13.93	18.4717264
11726	22/01/2021	6	6.3	6.3.6.4	2300058037	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
11727	22/01/2021	6	6.3	6.3.6.4	NA	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
11728	22/01/2021	6	6.3	6.3.6.4	2300045665	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
11729	22/01/2021	6	6.4	6.4.1.1	2300044953	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
11730	22/01/2021	6	6.4	6.4.1.1	2300042045	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
11731	22/01/2021	6	6.4	6.4.1.3	2300042046	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
11732	22/01/2021	6	6.4	6.4.1.3	NA	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
11733	22/01/2021	6	6.4	6.4.1.3	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
11734	22/01/2021	6	6.4	6.4.1.3	2300043352	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
11735	22/01/2021	6	6.4	6.4.1.4	2300045981	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
11736	22/01/2021	6	6.4	6.4.1.4	2300045884	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
11737	22/01/2021	6	6.4	6.4.2.3	2300051929	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
11738	22/01/2021	6	6.4	6.4.2.3	2300053294	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
11739	22/01/2021	6	6.4	6.4.2.4	2300053291	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
11740	22/01/2021	6	6.4	6.4.3.1	NA	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
11741	22/01/2021	6	6.4	6.4.3.1	2300051138	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
11742	22/01/2021	6	6.4	6.4.3.1	NA	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
11743	22/01/2021	6	6.4	6.4.3.2	2300044338	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
11744	22/01/2021	6	6.4	6.4.3.2	2300044342	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
11745	22/01/2021	6	6.4	6.4.3.2	2300044343	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
11746	22/01/2021	6	6.4	6.4.3.2	2300047378	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
11747	22/01/2021	6	6.4	6.4.3.2	2300017520	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
11748	22/01/2021	6	6.4	6.4.3.3	2300046298	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
11749	22/01/2021	6	6.4	6.4.3.3	2300041850	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11750	22/01/2021	6	6.4	6.4.3.3	2300046407	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
11751	22/01/2021	6	6.4	6.4.3.4	2300051521	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
11752	22/01/2021	6	6.4	6.4.3.4	2300057710	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
11753	22/01/2021	6	6.4	6.4.4.1	2300044833	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
11754	22/01/2021	6	6.4	6.4.4.1	2300045368	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
11755	22/01/2021	6	6.4	6.4.4.1	2300039216	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
11756	22/01/2021	6	6.4	6.4.4.2	NA	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
11757	22/01/2021	6	6.4	6.4.4.2	NA	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
11758	22/01/2021	6	6.4	6.4.4.2	2300045163	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
11759	22/01/2021	6	6.4	6.4.4.2	2300045217	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
11760	22/01/2021	6	6.4	6.4.4.2	2300032956	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
11761	22/01/2021	6	6.4	6.4.4.2	2300045367	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
11762	22/01/2021	6	6.4	6.4.4.3	2300045133	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
11763	22/01/2021	6	6.4	6.4.4.3	NA	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
11764	22/01/2021	6	6.4	6.4.4.4	2300031857	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
11765	22/01/2021	6	6.4	6.4.4.4	NA	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
11766	22/01/2021	6	6.4	6.4.4.4	NA	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
11767	22/01/2021	6	6.4	6.4.4.4	2300045363	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
11768	22/01/2021	6	6.4	6.4.4.4	NA	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
11769	22/01/2021	6	6.4	6.4.4.4	2300045355	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
11770	22/01/2021	6	6.4	6.4.5.2	NA	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
11771	22/01/2021	6	6.4	6.4.5.2	2300045305	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
11772	22/01/2021	6	6.4	6.4.5.3	2300045457	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
11773	22/01/2021	6	6.4	6.4.5.3	NA	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
11774	22/01/2021	6	6.4	6.4.5.3	2300045260	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
11775	22/01/2021	6	6.4	6.4.5.4	2300045459	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
11776	22/01/2021	6	6.4	6.4.6.1	2300045914	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
11777	22/01/2021	6	6.4	6.4.6.2	2300040123	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
11778	22/01/2021	6	6.4	6.4.6.2	2300045702	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
11779	22/01/2021	6	6.4	6.4.6.2	2300045345	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11780	22/01/2021	6	6.4	6.4.6.3	2300040335	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
11781	22/01/2021	6	6.4	6.4.6.3	2300039458	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
11782	22/01/2021	6	6.4	6.4.6.3	2300045735	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
11783	22/01/2021	6	6.4	6.4.6.3	2300040742	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
11784	22/01/2021	6	6.4	6.4.6.4	2300041383	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
11785	22/01/2021	6	6.4	6.4.6.4	2300042921	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
11786	22/01/2021	6	6.4	6.4.6.4	2300045697	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
11787	22/01/2021	6	6.4	6.4.6.4	2300045712	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
11788	22/01/2021	6	6.5	6.5.1.1	2300045934	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
11789	22/01/2021	6	6.5	6.5.1.1	NA	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
11790	22/01/2021	6	6.5	6.5.1.1	2300046588	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
11791	22/01/2021	6	6.5	6.5.1.1	2300046540	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
11792	22/01/2021	6	6.5	6.5.1.3	NA	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
11793	22/01/2021	6	6.5	6.5.1.4	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
11794	22/01/2021	6	6.5	6.5.1.4	NA	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
11795	22/01/2021	6	6.5	6.5.2.1	2300047585	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
11796	22/01/2021	6	6.5	6.5.2.1	2300046081	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
11797	22/01/2021	6	6.5	6.5.2.1	2300046927	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
11798	22/01/2021	6	6.5	6.5.2.2	2300031115	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
11799	22/01/2021	6	6.5	6.5.2.2	2300044364	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
11800	22/01/2021	6	6.5	6.5.2.2	2300043390	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
11801	22/01/2021	6	6.5	6.5.2.3	2300042048	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
11802	22/01/2021	6	6.5	6.5.2.4	2300043850	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
11803	22/01/2021	6	6.5	6.5.2.4	2300044958	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
11804	22/01/2021	6	6.5	6.5.2.4	2300044959	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
11805	22/01/2021	6	6.5	6.5.2.4	NA	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
11806	22/01/2021	6	6.5	6.5.2.4	2300045870	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
11807	22/01/2021	10	10.3	10.3.2.1	2300057197	1054	87	36.8	31	6.6	14	5.6	205	78.4	38.32	76.13	1	1	1	1	1	37.81	49.6678507
11808	22/01/2021	10	10.3	10.3.2.1	2300057231	1039	96	41.5	31	6.9	19.2	4.7	214	90.2	42.19	76.04	1	1	1	1	1	33.85	44.51554497
11809	22/01/2021	10	10.3	10.3.2.1	2300057118	994	97	40.9	31	6.8	14.8	6.05	211	89.5	42.48	75.75	1	1	1	1	1	33.27	43.9239252

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11810	22/01/2021	10	10.3	10.3.2.1	2300057202	699	27	43.4	31	2.4	14.7	3.03	74	44.5	59.87	73.86	1	1	1	0	0	13.99	18.94495031
11811	22/01/2021	10	10.3	10.3.2.1	2300056517	888	107	63.4	31	7.1	15.2	6.3	220	95.8	43.51	75.07	1	1	1	1	1	31.56	42.04347909
11812	22/01/2021	10	10.3	10.3.2.1	2300057263	982	13	57.1	30	7.1	23.6	5.6	213	132.2	62.05	75.67	1	1	1	0	0	13.62	18.00410679
11813	22/01/2021	10	10.3	10.3.2.1	2300053543	889	30	25.8	30	4.2	10.8	1.5	126	16.2	12.86	75.08	1	1	1	1	1	62.22	82.87440546
11814	22/01/2021	10	10.3	10.3.2.1	2300057606	1014	26	31.6	31	2.9	24.2	1.8	90	43.6	48.45	75.88	1	1	1	1	1	27.42	36.14042248
11815	22/01/2021	10	10.3	10.3.2.1	2300057256	842	82	63.5	31	7.3	23.9	6.3	226	150.6	66.54	74.77	1	1	0	0	0	8.24	11.01872255
11816	22/01/2021	10	10.3	10.3.2.1	2300057229	1101	89	60.4	31	7.6	24.3	6.06	236	147.3	62.50	76.43	1	1	1	0	0	13.93	18.22395269
11817	22/01/2021	10	10.3	10.3.2.1	2300057257	619	41	37.5	32	7.9	13	6.6	253	85.8	33.94	73.35	1	1	1	1	1	39.41	53.72735656
11818	22/01/2021	10	10.3	10.3.2.1	2300057272	1031	86	38.7	30	6.6	14.5	5.3	198	76.9	38.81	75.98	1	1	1	1	1	37.17	48.91960545
11819	22/01/2021	10	10.3	10.3.2.1	2300057198	1042	135	58.1	31	7.1	21.8	6.01	220	131.0	59.53	76.05	1	1	1	1	0	16.53	21.73198953
11820	22/01/2021	10	10.3	10.3.2.1	2300057688	925	73	53.8	22	5.4	14.1	4.5	119	63.5	53.41	75.31	1	1	1	1	1	21.90	29.07724363
11821	22/01/2021	10	10.3	10.3.2.1	NA	614	20	20.4	30	5.4	20.1	1.2	162	24.1	14.89	73.32	1	1	1	1	1	58.43	79.69205887
11822	22/01/2021	10	10.3	10.3.2.1	2300057182	778	80	42.9	31	5.5	15	5.02	171	75.3	44.16	74.37	1	1	1	1	1	30.20	40.61170699
11823	22/01/2021	10	10.3	10.3.2.1	2300056727	615	49	34.3	32	5.8	13	4.6	186	59.8	32.22	73.32	1	1	1	1	1	41.10	56.05708029
11824	22/01/2021	10	10.3	10.3.2.1	2300057267	925	46	52.3	31	5.1	13.6	4.2	158	57.1	36.13	75.31	1	1	1	1	1	39.18	52.02370029
11825	22/01/2021	10	10.3	10.3.2.1	2300057270	891	20	20.4	32	5.1	10.4	1.6	163	16.6	10.20	75.09	1	1	1	1	1	64.89	86.4212336
11826	22/01/2021	10	10.3	10.3.2.1	2300057228	980	20	20.4	32	2.4	10.8	1.4	77	15.1	19.69	75.66	1	1	1	1	1	55.97	73.97829707
11827	22/01/2021	10	10.3	10.3.2.1	2300057199	950	20	40.2	30	2.4	11.4	2.2	72	25.1	34.83	75.47	1	1	1	1	1	40.63	53.84234843
11828	22/01/2021	10	10.3	10.3.2.2	2300055881	950	29	69	20	2.9	24.1	2.6	58	62.7	108.03	75.47	1	1	1	1	1	-32.57	-43.15649797
11829	22/01/2021	10	10.3	10.3.2.2	2300036707	983	6	17.7	22	1.4	5.2	1.1	31	5.7	18.57	75.68	1	1	1	1	1	57.11	75.45967799
11830	22/01/2021	10	10.3	10.3.2.2	NA	1002	44	26	31	2.09	12.5	1.7	65	21.3	32.80	75.80	1	1	1	1	1	43.00	56.72982773
11831	22/01/2021	10	10.3	10.3.2.2	2300055552	868	83	37.4	21	6.5	15.2	5.2	137	79.0	57.90	74.94	1	1	1	1	0	17.04	22.73307352
11832	22/01/2021	10	10.3	10.3.2.2	2300053900	619	40	30.4	27	2.4	15.4	2.1	65	32.3	49.91	73.35	1	1	1	1	1	23.44	31.95768177
11833	23/01/2021	10	10.3	10.3.2.2	2300057196	1058	88	36.3	32	5.7	13.9	5	182	69.5	38.10	76.16	1	1	1	1	1	38.05	49.96786886
11834	23/01/2021	10	10.3	10.3.2.2	NA	709	108	44.3	30	4.1	17.4	3.2	123	55.7	45.27	73.92	1	1	1	1	1	28.66	38.76340887
11835	23/01/2021	10	10.3	10.3.2.2	2300057371	928	116	64.2	31	7.4	22.9	4.6	229	105.3	45.92	75.33	1	1	1	1	1	29.41	39.0379438
11836	23/01/2021	10	10.3	10.3.2.2	2300057368	913	108	65.4	30	7.2	24.7	4.7	216	116.1	53.75	75.23	1	1	1	1	1	21.48	28.55783343
11837	23/01/2021	10	10.3	10.3.2.2	2300057246	911	23	38.2	20	2.4	11.2	1.5	48	16.8	35.00	75.22	1	1	1	1	1	40.22	53.46759483
11838	23/01/2021	10	10.3	10.3.2.2	2300057366	928	125	30.9	30	7.2	15.2	7.9	216	120.1	55.59	75.33	1	1	1	1	1	19.73	26.19655495
11839	23/01/2021	10	10.3	10.3.2.2	2300057359	928	110	45.4	30	4.9	19.6	3.6	147	70.6	48.00	75.33	1	1	1	1	1	27.33	36.27630594

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11840	23/01/2021	10	10.3	10.3.2.2	2300055884	933	121	80.4	30	7.2	14.8	7.6	216	112.5	52.07	75.36	1	1	1	1	1	23.28	30.89701571
11841	23/01/2021	10	10.3	10.3.2.2	2300053446	632	72	37.1	31	4.3	16.4	2.6	133	42.6	31.99	73.43	1	1	1	1	1	41.44	56.43790208
11842	23/01/2021	10	10.3	10.3.2.2	2300057276	654	100	45.2	30	5.9	20.4	1.7	177	34.7	19.59	73.57	1	1	1	1	1	53.98	73.36850043
11843	23/01/2021	10	10.3	10.3.2.2	2300057358	624	42	24.9	32	3.6	12.4	1.6	115	19.8	17.22	73.38	1	1	1	1	1	56.16	76.52995898
11844	23/01/2021	10	10.3	10.3.2.3	2300055856	756	104	70.4	31	6.2	25.6	4.4	192	112.6	58.61	74.22	1	1	1	1	0	15.62	21.0426502
11845	23/01/2021	10	10.3	10.3.2.3	2300037157	796	96	62.2	31	6.5	26.4	2.4	202	63.4	31.44	74.48	1	1	1	1	1	43.04	57.78195507
11846	23/01/2021	10	10.3	10.3.2.3	2300037212	876	42	32.6	30	3.6	19.2	2.4	108	46.1	42.67	74.99	1	1	1	1	1	32.33	43.10534579
11847	23/01/2021	10	10.3	10.3.2.3	2300037230	872	18	36.2	10	2.1	11.6	1	21	11.6	55.24	74.97	1	1	1	1	1	19.73	26.31658916
11848	23/01/2021	10	10.3	10.3.2.3	2300057016	876	32	26.4	30	1.9	12.4	0.9	57	11.2	19.58	74.99	1	1	1	1	1	55.41	73.89209124
11849	23/01/2021	10	10.3	10.3.2.3	2300056523	724	106	46.4	32	4.6	19.6	3.5	147	68.6	46.60	74.02	1	1	1	1	1	27.42	37.03929652
11850	23/01/2021	10	10.3	10.3.2.3	2300055700	746	34	23.6	20	2.4	10.7	0.9	48	9.6	20.06	74.16	1	1	1	1	1	54.10	72.94715239
11851	23/01/2021	10	10.3	10.3.2.3	2300056034	779	108	39.6	30	3.3	20.2	1.4	99	28.3	28.57	74.37	1	1	1	1	1	45.81	61.59063868
11852	23/01/2021	10	10.3	10.3.2.3	2300056739	794	129	42.1	32	4.6	24.2	3.3	147	79.9	54.25	74.47	1	1	1	1	1	20.21	27.14587634
11853	23/01/2021	10	10.3	10.3.2.3	2300057271	645	20		33	4.27	27	3.2	141	86.4	61.32	73.51	1	1	1	0	0	12.20	16.59312043
11854	23/01/2021	10	10.3	10.3.2.3	2300057206	824	20		32	5.8	26.1	4.61	186	120.3	64.83	74.66	1	1	0	0	0	9.83	13.16840031
11855	23/01/2021	10	10.3	10.3.2.3	2300057671	NA	20		NA	NA	NA	NA	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
11856	23/01/2021	10	10.3	10.3.2.3	2300056068	956	137		32	6.59	23.5	5.09	211	119.6	56.72	75.50	1	1	1	1	0	18.78	24.87612335
11857	23/01/2021	10	10.3	10.3.2.3	2300055645	775	44.5		27	2.13	18.4	1.52	58	28.0	48.63	74.35	1	1	1	1	1	25.71	34.58754696
11858	23/01/2021	10	10.3	10.3.2.3	2300054014	806	137	67.1	32	5.2	24.4	4.6	166	112.2	67.45	74.54	1	0	0	0	0	7.09	9.514432906
11859	23/01/2021	10	10.3	10.3.2.3	2300056512	875	20	30.2	31	2.4	18.5	2.1	74	38.9	52.22	74.99	1	1	1	1	1	22.77	30.36334524
11860	23/01/2021	10	10.3	10.3.2.3	2300057218	889	42	26.4	32	3.4	14.4	2.4	109	34.6	31.76	75.08	1	1	1	1	1	43.31	57.6897076
11861	23/01/2021	10	10.3	10.3.2.3	2300037254	874	93	66	22	5.6	15.6	5.1	123	79.6	64.58	74.98	1	1	0	0	0	10.40	13.87267726
11862	23/01/2021	10	10.3	10.3.2.3	2300056538	870	36	43.7	32	5.9	15.1	5.4	189	81.5	43.19	74.95	1	1	1	1	1	31.77	42.37991392
11863	23/01/2021	10	10.3	10.3.2.3	2300057658	858	80	42.3	31	5.1	15	5.2	158	78.0	49.34	74.88	1	1	1	1	1	25.54	34.11096652
11864	23/01/2021	10	10.3	10.3.2.4	2300055550	874	112	51.4	32	5.6	21.8	4.2	179	91.6	51.09	74.98	1	1	1	1	1	23.89	31.85646496
11865	23/01/2021	10	10.3	10.3.2.4	2300057279	800	132	52.3	30	5.2	23.4	3.6	156	84.2	54.00	74.51	1	1	1	1	1	20.51	27.52261563
11866	23/01/2021	10	10.3	10.3.2.4	2300053443	755	25	24.3	30	4.6	11	3.1	138	34.1	24.71	74.22	1	1	1	1	1	49.51	66.7059946
11867	23/01/2021	10	10.3	10.3.2.4	2300057184	788	26	34.5	31	3.6	24.5	2.2	112	53.9	48.30	74.43	1	1	1	1	1	26.13	35.1094852
11868	23/01/2021	10	10.3	10.3.2.4	2300057166	789	30	26.2	31	4.6	11.5	3.2	143	36.8	25.81	74.44	1	1	1	1	1	48.63	65.33049829
11869	23/01/2021	10	10.3	10.3.2.4	2300057375	845	124	53.3	30	5.4	24.5	3.9	162	95.6	58.98	74.79	1	1	1	1	0	15.81	21.14142648

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11870	23/01/2021	10	10.3	10.3.2.4	2300057376	848	30	25.7	31	4.7	11.5	3.3	146	38.0	26.05	74.81	1	1	1	1	1	48.77	65.18439093
11871	23/01/2021	10	10.3	10.3.2.4	2300057180	875	48	31	30	3.7	24	4.4	111	105.6	95.14	74.99	1	1	1	1	1	-20.15	-26.87052935
11872	23/01/2021	10	10.3	10.3.2.4	2300057200	920	22	24.5	29	3.6	10.9	2.3	104	25.1	24.01	75.27	1	1	1	1	1	51.26	68.09866626
11873	23/01/2021	10	10.3	10.3.2.4	2300057382	922	41	24.1	30	3.7	12.5	2.6	111	32.5	29.28	75.29	1	1	1	1	1	46.01	61.10967755
11874	23/01/2021	10	10.3	10.3.2.4	2300057244	956	20	4.2	20	4.8	11.5	3.5	96	40.3	41.93	75.50	1	1	1	1	1	33.58	44.47067544
11875	23/01/2021	10	10.3	10.3.2.4	2300053442	1069	137	65.3	32	6.3	23.8	5.6	202	133.3	66.11	76.23	1	1	0	0	0	10.12	13.27142516
11876	23/01/2021	10	10.3	10.3.2.4	2300057294	1042	87	60.1	21	6.6	14.6	5.8	139	84.7	61.10	76.05	1	1	1	0	0	14.96	19.66755406
11877	23/01/2021	10	10.3	10.3.2.4	2300053444	1035	102	56.7	30	7.06	15	6.4	212	96.0	45.33	76.01	1	1	1	1	1	30.68	40.36866329
11878	23/01/2021	10	10.3	10.3.2.4	2300057282	1022	136	62.6	31	6.7	23.1	5.8	208	134.0	64.51	75.93	1	1	1	0	0	11.42	15.04119789
11879	23/01/2021	10	10.1	10.1.4.1	2300036046	1045	89	62.8	30	3.3	15.7	2.9	99	45.5	45.99	76.07	1	1	1	1	1	30.08	39.54583828
11880	23/01/2021	10	10.1	10.1.4.1	2300035080	1004	20	32.1	31	2.4	21.2	1.4	74	29.7	39.89	75.81	1	1	1	1	1	35.92	47.37946024
11881	23/01/2021	10	10.1	10.1.4.1	2300035707	995	120	53.3	31	7.2	19.85	5.8	223	115.1	51.58	75.75	1	1	1	1	1	24.17	31.9091517
11882	23/01/2021	10	10.1	10.1.4.1	2300036259	1020	101	63.3	30	7.6	15	6.7	228	100.5	44.08	75.91	1	1	1	1	1	31.84	41.93568068
11883	23/01/2021	10	10.1	10.1.4.1	2300029461	1035	90	37.2	31	7.5	14.5	6.7	233	97.2	41.78	76.01	1	1	1	1	1	34.23	45.02704087
11884	23/01/2021	10	10.1	10.1.4.2	NA	1024	38	21	21	7.3	7.1	4.7	153	33.4	21.77	75.94	1	1	1	1	1	54.17	71.33540919
11885	23/01/2021	10	10.1	10.1.4.2	2300035590	1042	100	31.4	31	5.3	12.2	5	164	61.0	37.13	76.05	1	1	1	1	1	38.93	51.18361191
11886	23/01/2021	10	10.1	10.1.4.2	2300035595	898	120	61	31	6.1	24	5	189	120.0	63.46	75.13	1	1	1	0	0	11.67	15.53868653
11887	23/01/2021	10	10.1	10.1.4.2	NA	1045	94	4.8	29	6.7	15.5	6.1	194	94.6	48.66	76.07	1	1	1	1	1	27.41	36.03351592
11888	23/01/2021	10	10.1	10.1.4.2	NA	1020	95	66.9	20	6.6	15.6	6.1	132	95.2	72.09	75.91	1	0	0	0	0	3.82	5.036081499
11889	23/01/2021	10	10.1	10.1.4.2	2300035594	1021	97	64.9	21	6.7	15.6	6.3	141	98.3	69.85	75.92	1	0	0	0	0	6.07	7.994759948
11890	23/01/2021	10	10.1	10.1.4.2	2300035016	1054	95	65.1	20	6.8	15.4	6.1	136	93.9	69.07	76.13	1	0	0	0	0	7.06	9.270881721
11891	23/01/2021	10	10.1	10.1.4.2	2300029451	1021	134	61.7	31	7.06	22.4	6.1	219	136.6	62.43	75.92	1	1	1	0	0	13.49	17.7657055
11892	23/01/2021	10	10.1	10.1.4.3	2300036043	1047	20	20.34	30	2.4	18.1	1.4	72	25.3	35.19	76.09	1	1	1	1	1	40.89	53.74434929
11893	23/01/2021	10	10.1	10.1.4.3	2300037849	1008	30	42.9	30	3.8	15	3.2	114	48.0	42.11	75.84	1	1	1	1	1	33.73	44.479407
11894	23/01/2021	10	10.1	10.1.4.3	2300029458	1009	36	54.2	31	6.2	25.9	4	192	103.6	53.90	75.84	1	1	1	1	1	21.94	28.92981712
11895	23/01/2021	10	10.1	10.1.4.3	2300029402	999	20	20.4	31	2.4	20.1	2.1	74	42.2	56.73	75.78	1	1	1	1	1	19.05	25.13305564
11896	23/01/2021	10	10.1	10.1.4.3	2300029460	1016	89	60.7	30	6.8	14.8	5.7	204	84.4	41.35	75.89	1	1	1	1	1	34.54	45.50821841
11897	23/01/2021	10	10.1	10.1.4.3	2300035741	1014	84	42	30	6.4	14	5.5	192	77.0	40.10	75.88	1	1	1	1	1	35.77	47.1448441
11898	23/01/2021	10	10.1	10.1.4.3	2300035098	1027	83	48.7	30	5.1	13.8	4.3	153	59.3	38.78	75.96	1	1	1	1	1	37.17	48.94032854
11899	23/01/2021	10	10.1	10.1.4.3	2300035094	1030	124	55	31	7.2	19.4	5.9	223	114.5	51.28	75.98	1	1	1	1	1	24.70	32.50498564

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11900	23/01/2021	10	10.1	10.1.4.3	2300035082	1036	135	59.5	30	6.9	21.8	5.8	207	126.4	61.08	76.02	1	1	1	0	0	14.93	19.64612162
11901	23/01/2021	10	10.1	10.1.4.4	2300029459	1041	106	59.5	30	6.7	19.3	5.2	201	100.4	49.93	76.05	1	1	1	1	1	26.12	34.34398586
11902	23/01/2021	10	10.1	10.1.4.4	2300034973	1034	48	32.9	20	7.7	11.7	3.3	154	38.6	25.07	76.00	1	1	1	1	1	50.93	67.01284075
11903	23/01/2021	10	10.1	10.1.4.4	2300034994	1028	88	35.8	31	7.1	13.5	5.8	220	78.3	35.57	75.97	1	1	1	1	1	40.39	53.16968986
11904	23/01/2021	10	10.1	10.1.4.4	2300039250	1024	136	60.5	31	7.2	22.4	6.8	223	152.3	68.24	75.94	1	1	0	0	0	7.70	10.13420192
11905	23/01/2021	10	10.1	10.1.4.4	2300036649	948	48	44.1	21	5.6	11.9	4.8	118	57.1	48.57	75.45	1	1	1	1	1	26.88	35.62707934
11906	23/01/2021	10	10.2	10.2.6.1	2300056410	968	105	48.5	30	6.1	20.3	4.6	183	93.4	51.03	75.58	1	1	1	1	1	24.55	32.48675278
11907	23/01/2021	10	10.2	10.2.6.1	2300057210	964	48	29.7	20	4.06	13	3.3	81	42.9	52.83	75.56	1	1	1	1	1	22.72	30.07465719
11908	23/01/2021	10	10.2	10.2.6.1	2300056033	989	20	3.4	21	2.1	10.1	1	44	10.1	22.90	75.72	1	1	1	1	1	52.81	69.75194764
11909	23/01/2021	10	10.2	10.2.6.1	2300057104	957	100	64.7	21	6.6	15.4	5.9	139	90.9	65.56	75.51	1	1	0	0	0	9.96	13.18386833
11910	23/01/2021	10	10.2	10.2.6.1	N	984	115	43.2	31	5.8	22.7	4.7	180	106.7	59.34	75.68	1	1	1	1	0	16.35	21.59707849
11911	23/01/2021	10	10.2	10.2.6.1	2300057582	951	70	38.8	29	5.7	14	4.6	165	64.4	38.96	75.47	1	1	1	1	1	36.51	48.37918546
11912	23/01/2021	10	10.2	10.2.6.1	2300057583	968	70	51.5	21	5.7	13.4	4.6	120	61.6	51.50	75.58	1	1	1	1	1	24.09	31.86744167
11913	23/01/2021	10	10.2	10.2.6.1	2300057273	975	80	36	31	6.2	17.8	3.9	192	69.4	36.12	75.63	1	1	1	1	1	39.51	52.24046435
11914	23/01/2021	10	10.2	10.2.6.1	2300057221	978	48	42.4	20	4.9	11.6	3.7	98	42.9	43.80	75.65	1	1	1	1	1	31.85	42.10350641
11915	23/01/2021	10	10.2	10.2.6.1	NA	988	28	29.9	32	4.7	12.2	3.7	150	45.1	30.01	75.71	1	1	1	1	1	45.70	60.35713246
11916	23/01/2021	10	10.2	10.2.6.1	NA	989	43	31.7	30	5.2	12.6	3.9	156	49.1	31.50	75.72	1	1	1	1	1	44.22	58.39694858
11917	23/01/2021	10	10.2	10.2.6.1	NA	965	43	30.3	29	5.5	12	4.3	160	51.6	32.35	75.56	1	1	1	1	1	43.21	57.18602316
11918	23/01/2021	10	10.2	10.2.6.1	-	961	42	45	32	3.4	15	3.05	109	45.8	42.05	75.54	1	1	1	1	1	33.49	44.33196134
11919	23/01/2021	10	10.2	10.2.6.1	2300057209	978	48	31.5	30	3.7	19.4	2.08	111	40.4	36.35	75.65	1	1	1	1	1	39.29	51.94255134
11920	23/01/2021	10	10.2	10.2.6.1	2300057220	974	49	29	30	4.7	17	2.5	141	42.5	30.14	75.62	1	1	1	1	1	45.48	60.14017005
11921	23/01/2021	10	10.2	10.2.6.1	2300057215	968	46	31.2	30	5.8	12	4.5	174	54.0	31.03	75.58	1	1	1	1	1	44.55	58.93888592
11922	23/01/2021	10	10.2	10.2.6.1	2300057584	974	82	42.5	30	5.6	17.5	4.2	168	73.5	43.75	75.62	1	1	1	1	1	31.87	42.14462917
11923	23/01/2021	10	10.2	10.2.6.1	2300057678	985	49	31.7	30	5.6	12.5	4.6	168	57.5	34.23	75.69	1	1	1	1	1	41.46	54.78109331
11924	23/01/2021	10	10.2	10.2.6.1	2300057663	984	41	29	31	5.5	11.5	3.5	171	40.3	23.61	75.68	1	1	1	1	1	52.08	68.80825156
11925	23/01/2021	10	10.2	10.2.6.1	2300053689	1034	107	48	32	7.2	16.2	6.3	230	102.1	44.30	76.00	1	1	1	1	1	31.71	41.71739891
11926	23/01/2021	10	10.2	10.2.6.1	2300056721	678	100	48.6	29	6.7	16.5	5.4	194	89.1	45.86	73.73	1	1	1	1	1	27.87	37.80020633
11927	23/01/2021	10	10.2	10.2.6.1	2300057234	875	104	57.6	30	7.3	15.3	6.8	219	104.0	47.51	74.99	1	1	1	1	1	27.48	36.64570811
11928	23/01/2021	10	10.2	10.2.6.1	2300056392	687	26	34.5	30	1.9	21.2	0.8	57	17.0	29.75	73.78	1	1	1	1	1	44.03	59.67300514
11929	23/01/2021	10	10.2	10.2.6.2	2300036112	959	99	87.9	29	6.6	19.7	4.8	191	94.6	49.40	75.52	1	1	1	1	1	26.12	34.58417142

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11930	23/01/2021	10	10.2	10.2.6.2	NA	990	104	64.5	31	7.1	15.4	6.4	220	98.6	44.78	75.72	1	1	1	1	1	30.94	40.8630971
11931	23/01/2021	10	10.2	10.2.6.2	2300029384	990	20	30.4	32	2.4	18.4	1.4	77	25.8	33.54	75.72	1	1	1	1	1	42.18	55.70419869
11932	23/01/2021	10	10.2	10.2.6.2	2300029523	1120	134	59.8	30	7.5	21.1	6.5	225	137.2	60.96	76.55	1	1	1	1	0	15.60	20.37574058
11933	23/01/2021	10	10.2	10.2.6.2	NA	689	129	60.1	32	6.6	23.4	5.4	211	126.4	59.83	73.80	1	1	1	0	0	13.97	18.92532149
11934	23/01/2021	10	10.2	10.2.6.2	2300036607	1054	137	60.4	30	6.9	23.5	5.7	207	134.0	64.71	76.13	1	1	1	0	0	11.42	15.00225277
11935	23/01/2021	10	10.2	10.2.6.2	2300036615	1044	107	49.5	32	6.7	19.9	5.3	214	105.5	49.19	76.07	1	1	1	1	1	26.87	35.32976324
11936	23/01/2021	10	10.2	10.2.6.2	-	1036	91	37.4	31	7.1	14.1	5.9	220	83.2	37.80	76.02	1	1	1	1	1	38.22	50.27855021
11937	23/01/2021	10	10.2	10.2.6.2	2300035600	1070	109	51.7	32	7.1	22.6	5.1	227	115.3	50.73	76.23	1	1	1	1	1	25.50	33.4540575
11938	23/01/2021	10	10.2	10.2.6.2	2300036459	1055	70	42.9	24	6.5	13	5.2	156	67.6	43.33	76.14	1	1	1	1	1	32.80	43.08580034
11939	23/01/2021	10	10.2	10.2.6.2	2300036577	1065	111	56.2	31	6.7	20.6	5.4	208	111.2	53.56	76.20	1	1	1	1	1	22.64	29.71573401
11940	23/01/2021	10	10.2	10.2.6.2	2300029685	1100	44	25.4	20	4.2	13	2.9	84	37.7	44.88	76.43	1	1	1	1	1	31.55	41.27528278
11941	23/01/2021	10	10.2	10.2.6.2	2300029356	1075	99	37.5	31	7.4	14.7	6.2	229	91.1	39.73	76.27	1	1	1	1	1	36.54	47.90636754
11942	23/01/2021	10	10.2	10.2.6.2	2300036040	889	101	50.3	31	7.08	21.9	5.2	219	113.9	51.89	75.08	1	1	1	1	1	23.19	30.88796273
11943	23/01/2021	10	10.2	10.2.6.3	2300056395	999	105	51.6	32	6.8	22.9	5.8	218	132.8	61.04	75.78	1	1	1	0	0	14.74	19.4524609
11944	23/01/2021	10	10.2	10.2.6.3	2300057299	1008	79	32.4	31	6.8	13.1	5.3	211	69.4	32.94	75.84	1	1	1	1	1	42.90	56.56955605
11945	23/01/2021	10	10.2	10.2.6.3	2300057264	1018	45	39.9	22	6.8	12.4	4.3	150	53.3	35.64	75.90	1	1	1	1	1	40.26	53.0419661
11946	23/01/2021	10	10.2	10.2.6.3	2300057103	1025	46	28.8	31	5.7	12.4	4.7	177	58.3	32.98	75.95	1	1	1	1	1	42.96	56.57117407
11947	23/01/2021	10	10.2	10.2.6.3	2300057692	1068	48	44.1	20	6.3	12.2	3.8	126	46.4	36.79	76.22	1	1	1	1	1	39.43	51.7277991
11948	23/01/2021	10	10.2	10.2.6.3	2300057672	1057	109	50.2	31	5.1	22.2	5.08	158	112.8	71.33	76.15	1	0	0	0	0	4.82	6.327880585
11949	23/01/2021	10	10.2	10.2.6.3	2300057663	1024	35	31.6	30	7.09	10.6	5.1	213	54.1	25.42	75.94	1	1	1	1	1	50.52	66.53119192
11950	23/01/2021	10	10.2	10.2.6.3	2300057259	1047	116	53.5	30	5.1	21.9	5.3	153	116.1	75.86	76.09	0	0	0	0	0	0.22	0.294472763
11951	23/01/2021	10	10.2	10.2.6.3	2300057203	1045	74	36.9	29	6.8	13.4	5.08	197	68.1	34.52	76.07	1	1	1	1	1	41.55	54.62409
11952	23/01/2021	10	10.2	10.2.6.3	2300057207	1089	49	27	30	5.1	12	4.2	153	50.4	32.94	76.36	1	1	1	1	1	43.41	56.85820494
11953	23/01/2021	10	10.2	10.2.6.3	2300057290	1097	92	38.5	32	6.9	14.7	5.8	221	85.3	38.61	76.41	1	1	1	1	1	37.79	49.46244256
11954	23/01/2021	10	10.2	10.2.6.3	2300036600	1101	93	19.9	30	6.09	19.7	4.1	183	80.8	44.21	76.43	1	1	1	1	1	32.22	42.15923361
11955	23/01/2021	10	10.2	10.2.6.3	2300029722	731	48	41	30	4.9	15.7	4.1	147	64.4	43.79	74.06	1	1	1	1	1	30.28	40.87697241
11956	23/01/2021	10	10.2	10.2.6.3	2300057305	889	117	52.7	30	7.3	22.5	5.6	219	126.0	57.53	75.08	1	1	1	1	0	17.54	23.36491939
11957	23/01/2021	10	10.2	10.2.6.3	2300057211	1121	105	49.5	30	7.01	21.3	5.2	210	110.8	52.67	76.56	1	1	1	1	1	23.89	31.20775533
11958	23/01/2021	10	10.2	10.2.6.3	2300057201	1120	82	33.9	31	6.6	13.4	5.4	205	72.4	35.37	76.55	1	1	1	1	1	41.19	53.80180145
11959	23/01/2021	10	10.2	10.2.6.3	2300056409	1133	36	43.1	31	4.4	23.8	3.3	136	78.5	57.58	76.64	1	1	1	1	0	19.06	24.86593304

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11960	23/01/2021	10	10.2	10.2.6.3	2300057590	821	117	54	32	6.3	21.7	5.1	202	110.7	54.90	74.64	1	1	1	1	1	19.74	26.45292183
11961	23/01/2021	10	10.2	10.2.6.3	2300057679	1092	114	51.6	30	6.99	13.3	5.6	210	74.5	35.52	76.37	1	1	1	1	1	40.86	53.49590988
11962	23/01/2021	10	10.2	10.2.6.3	2300057657	1058	79	34.4	30	6.4	13.6	5.3	192	72.1	37.54	76.16	1	1	1	1	1	38.62	50.70503292
11963	23/01/2021	10	10.2	10.2.6.3	2300057106	1068	84	33.6	31	6.8	12.1	5.5	211	66.6	31.57	76.22	1	1	1	1	1	44.65	58.58080333
11964	23/01/2021	10	10.2	10.2.6.3	2300057239	818	45	32.2	32	5.9	22.6	4.5	189	101.7	53.87	74.62	1	1	1	1	1	20.75	27.81337552
11965	23/01/2021	10	10.2	10.2.6.3	2300057266	679	133	58.2	31	6.8	13	5.7	211	74.1	35.15	73.73	1	1	1	1	1	38.58	52.32464417
11966	23/01/2021	10	10.2	10.2.6.3	2300057683	682	42	49.5	30	6.2	14.5	5.03	186	72.9	39.21	73.75	1	1	1	1	1	34.54	46.83126747
11967	23/01/2021	10	10.2	10.2.6.4	NA	1151	44	38.6	30	5.2	13.4	4.3	156	57.6	36.94	76.75	1	1	1	1	1	39.82	51.87655704
11968	23/01/2021	10	10.2	10.2.6.4	2300034911	889	81	34.8	31	6.6	15	4.8	205	72.0	35.19	75.08	1	1	1	1	1	39.88	53.12642745
11969	23/01/2021	10	10.2	10.2.6.4	NA	676	36	43.5	31	3.8	11.9	3.4	118	40.5	34.35	73.71	1	1	1	1	1	39.37	53.40492272
11970	23/01/2021	10	10.2	10.2.6.4	2300035618	1120	46	45.3	20	5.9	14.4	4.5	118	64.8	54.92	76.55	1	1	1	1	1	21.64	28.26598971
11971	23/01/2021	10	10.2	10.2.6.4	NA	1139	48	40.7	32	5.1	13.8	4.6	163	63.5	38.90	76.68	1	1	1	1	1	37.78	49.27061696
11972	23/01/2021	10	10.2	10.2.6.4	2300036472	778	105	57.5	28	5.8	16.5	5.3	162	87.5	53.85	74.37	1	1	1	1	1	20.52	27.58908445
11973	23/01/2021	10	10.1	10.1.3.1	-	810	105	64.3	22	5.8	15.5	5.2	128	80.6	63.17	74.57	1	1	1	0	0	11.40	15.2928199
11974	23/01/2021	10	10.1	10.1.3.1	2300051463	811	33	30.2	32	5.2	12.5	3.9	166	48.8	29.30	74.58	1	1	1	1	1	45.28	60.71562183
11975	23/01/2021	10	10.1	10.1.3.1	2300051454	807	80	48.4	23	5.6	14.2	4.5	129	63.9	49.61	74.55	1	1	1	1	1	24.94	33.45235565
11976	23/01/2021	10	10.1	10.1.3.1	NA	795	115	70.3	32	5.8	24.7	5.4	186	133.4	71.86	74.47	0	0	0	0	0	2.61	3.504277818
11977	23/01/2021	10	10.1	10.1.3.1	2300052933	796	45	36	32	5.6	14	4.6	179	64.4	35.94	74.48	1	1	1	1	1	38.54	51.74905076
11978	23/01/2021	10	10.1	10.1.3.1	NA	797	86	46.1	32	5.9	15.5	5.4	189	83.7	44.33	74.49	1	1	1	1	1	30.15	40.48257259
11979	23/01/2021	10	10.1	10.1.3.1	2300052950	809	88	50.5	28	5.6	15.8	5.08	157	80.3	51.19	74.56	1	1	1	1	1	23.37	31.34884111
11980	23/01/2021	10	10.1	10.1.3.1	2300053793	838	45	54.6	32	5.7	14.9	4.6	182	68.5	37.58	74.75	1	1	1	1	1	37.17	49.72955646
11981	23/01/2021	10	10.1	10.1.3.1	NA	1003	92	36.3	32	7.39	16.9	5.09	236	86.0	36.38	75.81	1	1	1	1	1	39.43	52.01438422
11982	23/01/2021	10	10.1	10.1.3.1	NA	1000	94	38.6	32	7.21	17.1	5.15	231	88.1	38.17	75.79	1	1	1	1	1	37.62	49.63496839
11983	23/01/2021	10	10.1	10.1.3.1	NA	1012	98	66.9	30	7.12	16.2	5.07	214	82.1	38.45	75.86	1	1	1	1	1	37.41	49.31343532
11984	23/01/2021	10	10.1	10.1.3.1	NA	997	98	35.6	30	7.32	16.2	5.07	220	82.1	37.40	75.77	1	1	1	1	1	38.37	50.63584664
11985	23/01/2021	10	10.1	10.1.3.1	NA	990	89	34.2	30	7.28	16.3	4.75	218	77.4	35.45	75.72	1	1	1	1	1	40.27	53.18268492
11986	23/01/2021	10	10.1	10.1.3.1	2300053788	868	73	38.2	31	6.1	14.6	5.08	189	74.2	39.22	74.94	1	1	1	1	1	35.72	47.6635337
11987	23/01/2021	10	10.1	10.1.3.1	2300053785	691	89	58	21	4.5	14.8	3.7	95	54.8	57.95	73.81	1	1	1	1	0	15.86	21.48984405
11988	23/01/2021	10	10.1	10.1.3.1	2300053783	812	121	68.7	22	6.1	16.9	5.5	134	93.0	69.26	74.58	1	0	0	0	0	5.32	7.133688891
11989	23/01/2021	10	10.1	10.1.3.1	2300053792	838	111	68.8	22	6.2	16.6	5.6	136	93.0	68.15	74.75	1	0	0	0	0	6.60	8.82512098

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
11990	23/01/2021	10	10.1	10.1.3.1	2300053817	845	86	57.2	21	5.6	14.7	4.6	118	67.6	57.50	74.79	1	1	1	1	0	17.29	23.12217558
11991	23/01/2021	10	10.1	10.1.3.1	2300051703	892	82	45.7	30	5.6	16.9	4.09	168	69.1	41.14	75.09	1	1	1	1	1	33.95	45.21131639
11992	23/01/2021	10	10.1	10.1.3.1	2300051697	897	134	56.3	30	7.6	20.5	5.6	228	114.8	50.35	75.13	1	1	1	1	1	24.78	32.97880757
11993	23/01/2021	10	10.1	10.1.3.1	2300057794	912	101	62	32	6.1	15.8	5.6	195	88.5	45.33	75.22	1	1	1	1	1	29.89	39.74184841
11994	23/01/2021	10	10.1	10.1.3.1	2300053704	895	68	35.6	31	6.2	13.7	5.1	192	69.9	36.35	75.11	1	1	1	1	1	38.76	51.60321971
11995	23/01/2021	10	10.1	10.1.3.2	2300053804	818	31	39.2	32	2.7	13.9	1.6	86	22.2	25.74	74.62	1	1	1	1	1	48.88	65.50478853
11996	23/01/2021	10	10.1	10.1.3.2	2300053010	889	135	55.1	32	6.3	22.6	4.9	202	110.7	54.93	75.08	1	1	1	1	1	20.15	26.83301158
11997	23/01/2021	10	10.1	10.1.3.2	2300051465	917	94	41.4	32	6.7	15.3	5.8	214	88.7	41.39	75.25	1	1	1	1	1	33.86	45.0002852
11998	23/01/2021	10	10.1	10.1.3.2	2300053000	938	85	38.8	31	7.6	24.4	5.6	236	136.6	58.00	75.39	1	1	1	1	0	17.39	23.07040741
11999	23/01/2021	10	10.1	10.1.3.2	2300051951	932	135	54.3	32	6.6	21.8	5.3	211	115.5	54.71	75.35	1	1	1	1	1	20.64	27.39766612
12000	23/01/2021	10	10.1	10.1.3.2	2300052997	1022	89	37.3	31	6.8	14.4	5.6	211	80.6	38.25	75.93	1	1	1	1	1	37.67	49.61690806
12001	23/01/2021	10	10.1	10.1.3.2	2300051452	1022	73	35.4	31	6.1	13.7	4.9	189	67.1	35.50	75.93	1	1	1	1	1	40.43	53.24478894
12002	23/01/2021	10	10.1	10.1.3.2	2300052951	1009	63	30.4	31	6.08	12.6	4.5	188	56.7	30.08	75.84	1	1	1	1	1	45.76	60.33578654
12003	23/01/2021	10	10.1	10.1.3.2	2300052945	879	26	64.6	21	3.1	14.9	2.7	65	40.2	61.80	75.01	1	1	1	0	0	13.21	17.61642863
12004	23/01/2021	10	10.1	10.1.3.2	2300052934	1026	88	37.5	31	6.9	14	5.8	214	81.2	37.96	75.95	1	1	1	1	1	37.99	50.01913787
12005	23/01/2021	10	10.1	10.1.3.2	2300052005	1029	76	35.2	31	6.3	13.7	5.1	195	69.9	35.78	75.97	1	1	1	1	1	40.20	52.90907438
12006	23/01/2021	10	10.1	10.1.3.2	NA	985	83	36.8	30	6.7	14	5.6	201	78.4	39.00	75.69	1	1	1	1	1	36.69	48.46746582
12007	23/01/2021	10	10.1	10.1.3.2	2300053811	989	82	37.8	31	6.5	14.2	5.4	202	76.7	38.05	75.72	1	1	1	1	1	37.66	49.74009244
12008	23/01/2021	10	10.1	10.1.3.2	2300053782	999	95	40	31	6.8	19.1	4.5	211	86.0	40.77	75.78	1	1	1	1	1	35.01	46.19495909
12009	23/01/2021	10	10.1	10.1.3.3	2300053021	958	89	35.3	30	6.7	13.3	5.5	201	73.2	36.39	75.52	1	1	1	1	1	39.12	51.80828364
12010	23/01/2021	10	10.1	10.1.3.3	2300053011	968	102	41.8	31	7.1	14.9	6.3	220	93.9	42.65	75.58	1	1	1	1	1	32.93	43.57221637
12011	23/01/2021	10	10.1	10.1.3.3	2300051461	978	47	40.8	23	5.7	12	4.4	131	52.8	40.27	75.65	1	1	1	1	1	35.37	46.75855237
12012	23/01/2021	10	10.1	10.1.3.3	2300053789	988	118	50.7	30	6.8	20	5.4	204	108.0	52.94	75.71	1	1	1	1	1	22.77	30.07299447
12013	23/01/2021	10	10.1	10.1.3.3	2300051450	965	43	26.6	27	5.06	11.4	3.5	137	39.9	29.21	75.56	1	1	1	1	1	46.36	61.34949522
12014	23/01/2021	10	10.1	10.1.3.3	2300053733	998	46	46.7	23	6.4	8.7	4.7	147	40.9	27.78	75.77	1	1	1	1	1	47.99	63.33989774
12015	23/01/2021	10	10.1	10.1.3.3	2300053716	829	61	35.4	32	5.6	13.7	4.5	179	61.7	34.40	74.69	1	1	1	1	1	40.29	53.94006584
12016	23/01/2021	10	10.1	10.1.3.3	2300053697	926	60	33.7	31	5.5	13.3	4.4	171	58.5	34.32	75.31	1	1	1	1	1	40.99	54.42638842
12017	23/01/2021	10	10.1	10.1.3.3	2300053696	726	72	44.6	31	5.1	15.3	4.7	158	71.9	45.48	74.03	1	1	1	1	1	28.55	38.56220929
12018	23/01/2021	10	10.1	10.1.3.3	2300053812	818	42	37.5	31	4.7	14.7	3.7	146	54.4	37.33	74.62	1	1	1	1	1	37.29	49.97382727
12019	23/01/2021	10	10.1	10.1.3.3	2300051455	944	85	42	31	6.09	14.9	5.3	189	79.0	41.83	75.43	1	1	1	1	1	33.60	44.54344821

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12020	23/01/2021	10	10.1	10.1.3.3	2300052844	936	67	42.4	28	5.1	15.1	4.5	143	68.0	47.58	75.38	1	1	1	1	1	27.79	36.87144303
12021	23/01/2021	10	10.1	10.1.3.3	2300052940	949	84	39.6	32	6.8	13.9	5.6	218	77.8	35.77	75.46	1	1	1	1	1	39.69	52.59442294
12022	23/01/2021	10	10.1	10.1.3.3	2300052392	797	77	35.9	30	6.5	13.8	5.3	195	73.1	37.51	74.49	1	1	1	1	1	36.98	49.64518236
12023	23/01/2021	10	10.1	10.1.3.3	2300051702	523	120	50.7	30	4.7	20.6	3.6	141	74.2	52.60	72.73	1	1	1	1	1	20.14	27.68674459
12024	23/01/2021	10	10.1	10.1.3.3	2300052992	614	92	41.7	31	6.4	15.1	5.7	198	86.1	43.38	73.32	1	1	1	1	1	29.93	40.82834151
12025	23/01/2021	10	10.1	10.1.3.3	2300053729	620	20	20.8	30	7.9	10.2	2.4	237	24.5	10.33	73.35	1	1	1	1	1	63.02	85.91881298
12026	23/01/2021	10	10.1	10.1.3.3	2300051457	989	106	43.1	32	7.1	15.6	6.3	227	98.3	43.26	75.72	1	1	1	1	1	32.46	42.86904911
12027	23/01/2021	10	10.1	10.1.3.3	2300053016	988	104	46.5	31	6.5	19.5	5.02	202	97.9	48.58	75.71	1	1	1	1	1	27.13	35.83257364
12028	23/01/2021	10	10.1	10.1.3.3	2300053013	1023	74	30.3	31	3.4	12.2	5.2	105	63.4	60.19	75.93	1	1	1	1	0	15.74	20.73328489
12029	23/01/2021	10	10.1	10.1.3.3	2300053703	1009	89	45.4	31	6.3	19.2	4.7	195	90.2	46.21	75.84	1	1	1	1	1	29.64	39.07747368
12030	23/01/2021	10	10.1	10.1.3.3	2300053820	1021	122	50.8	30	7.1	19.8	5.7	213	112.9	52.99	75.92	1	1	1	1	1	22.93	30.20859282
12031	23/01/2021	10	10.1	10.1.3.4	2300053806	1035	110	41.9	30	7.6	14.7	6.8	228	100.0	43.84	76.01	1	1	1	1	1	32.17	42.32060878
12032	23/01/2021	10	10.1	10.1.3.4	2300052983	1050	106	47	30	7.03	19.2	5.3	211	101.8	48.25	76.11	1	1	1	1	1	27.86	36.60111474
12033	23/01/2021	10	10.1	10.1.3.4	2300052946	1034	43	39.2	28	3.4	16.4	2.4	95	39.4	41.34	76.00	1	1	1	1	1	34.66	45.6018691
12034	23/01/2021	10	10.1	10.1.3.4	2300051626	1064	109	45.6	29	7.2	19.5	5.2	209	101.4	48.56	76.20	1	1	1	1	1	27.63	36.26506204
12035	23/01/2021	10	10.1	10.1.3.4	2300052949	871	42	31.8	20	6.4	6.3	6.9	128	43.5	33.96	74.96	1	1	1	1	1	41.00	54.69482887
12036	23/01/2021	10	10.1	10.1.3.4	2300051735	1060	120	49.6	30	7.5	20.3	5.6	225	113.7	50.52	76.17	1	1	1	1	1	25.65	33.66884017
12037	23/01/2021	10	10.1	10.1.3.4	2300052971	1056	67	27.6	30	6.6	10.9	5.1	198	55.6	28.08	76.14	1	1	1	1	1	48.07	63.12827
12038	23/01/2021	10	10.1	10.1.3.4	2300052995	1070	108	47.7	28	7.5	18.9	5.6	210	105.8	50.40	76.23	1	1	1	1	1	25.83	33.88776661
12039	23/01/2021	10	10.1	10.1.3.4	2300052941	591	104	45.3	29	7.1	15.3	6.3	206	96.4	46.81	73.17	1	1	1	1	1	26.35	36.01884506
12040	23/01/2021	10	10.1	10.1.3.4	-	1088	105	42.8	30	7.1	15.1	6.4	213	96.6	45.37	76.35	1	1	1	1	1	30.98	40.57450239
12041	23/01/2021	10	10.1	10.1.3.4	2300052999	606	26	69.7	30	2.9	24.4	2.6	87	63.4	72.92	73.26	0	0	0	0	0	0.34	0.470705786
12042	23/01/2021	10	10.1	10.1.3.4	2300053784	1085	103	42.1	31	7.1	15.4	6.2	220	95.5	43.38	76.33	1	1	1	1	1	32.95	43.16745488
12043	23/01/2021	10	10.1	10.1.3.4	2300053996	1102	101	42.3	31	7.8	14.9	7.05	242	105.0	43.44	76.44	1	1	1	1	1	33.00	43.16639189
12044	23/01/2021	10	10.1	10.1.3.4	2300053001	1113	20	20.4	30	2.4	10.4	1.4	72	14.6	20.22	76.51	1	1	1	1	1	56.29	73.56890123
12045	23/01/2021	10	10.1	10.1.3.4	2300052939	1089	137	62.8	30	7.02	23.7	5.8	211	137.5	65.27	76.36	1	1	0	0	0	11.08	14.51752685
12046	23/01/2021	10	10.1	10.1.3.4	2300051987	1064	99	58.8	20	7.7	14.3	6.6	154	94.4	61.29	76.20	1	1	1	0	0	14.91	19.56790906
12047	23/01/2021	10	10.1	10.1.3.4	2300053034	1056	42	18.7	30	5.7	5.9	5.6	171	33.0	19.32	76.14	1	1	1	1	1	56.82	74.62500535
12048	23/01/2021	10	10.1	10.1.3.4	2300053033	1056	126	53.7	30	7.6	22.8	5.6	228	127.7	56.00	76.14	1	1	1	1	1	20.14	26.45552398
12049	23/01/2021	10	10.1	10.1.3.4	2300052946	704	104	45.6	31	4.6	19.7	3.4	143	67.0	46.97	73.89	1	1	1	1	1	26.92	36.43317104

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12050	23/01/2021	10	10.1	10.1.3.4	2300051696	699	109	68.5	21	4.9	16	4.5	103	72.0	69.97	73.86	1	0	0	0	0	3.89	5.265063064
12051	24/01/2021	10	10.2	10.2.5.1	2300057493	660	20	30.4	30	2.4	20.4	2.1	72	42.8	59.50	73.61	1	1	1	0	0	14.11	19.16859122
12052	24/01/2021	10	10.2	10.2.5.1	NA	656	49	44.3	30	4.3	15.5	3.8	129	58.9	45.66	73.58	1	1	1	1	1	27.93	37.95027923
12053	24/01/2021	10	10.2	10.2.5.1	2300057355	652	116	49.4	30	4.2	20.5	3.1	126	63.6	50.44	73.56	1	1	1	1	1	23.12	31.43375376
12054	24/01/2021	10	10.2	10.2.5.1	2300056723	653	18	34.9	30	4.1	13.6	3.3	123	44.9	36.49	73.57	1	1	1	1	1	37.08	50.40072632
12055	24/01/2021	10	10.2	10.2.5.1	NA	616	17	37.1	30	4.03	14.01	3.2	121	44.8	37.08	73.33	1	1	1	1	1	36.25	49.43039006
12056	24/01/2021	10	10.2	10.2.5.1	NA	614	95	47	30	4.2	19	3.2	126	60.8	48.25	73.32	1	1	1	1	1	25.06	34.1832185
12057	24/01/2021	10	10.2	10.2.5.1	2300057236	607	20	20	30	1.4	20	1.4	42	28.0	66.67	73.27	1	0	0	0	0	6.60	9.013322269
12058	24/01/2021	10	10.2	10.2.5.1	2300052237	609	46	22.3	27	4	7.1	3.6	108	25.6	23.67	73.28	1	1	1	1	1	49.62	67.7053711
12059	24/01/2021	10	10.2	10.2.5.1	2300052115	728	57	42.1	31	4.5	15.5	3.7	140	57.4	41.11	74.05	1	1	1	1	1	32.93	44.47835766
12060	24/01/2021	10	10.2	10.2.5.1	2300057156	708	30.6	35.3	30	4.8	13.3	4.05	144	53.9	37.41	73.92	1	1	1	1	1	36.51	49.39438994
12061	24/01/2021	10	10.2	10.2.5.1	2300057251	703	47	43.3	31	4.8	15.1	4.3	149	64.9	43.64	73.89	1	1	1	1	1	30.25	40.9411456
12062	24/01/2021	10	10.2	10.2.5.1	2300056564	703	26	20.6	21	3.6	7.1	3.02	76	21.4	28.36	73.89	1	1	1	1	1	45.52	61.61283469
12063	24/01/2021	10	10.2	10.2.5.1	2300057552	704	136	56.4	30	4.7	22	3.8	141	83.6	59.29	73.89	1	1	1	0	0	14.60	19.75978306
12064	24/01/2021	10	10.2	10.2.5.1	2300057117	700	14	31.7	30	4.4	12.6	3.4	132	42.8	32.45	73.87	1	1	1	1	1	41.41	56.06294445
12065	24/01/2021	10	10.2	10.2.5.1	2300057235	1071	102	59	21	7.6	14.3	6.7	160	95.8	60.03	76.24	1	1	1	1	0	16.21	21.26047565
12066	24/01/2021	10	10.2	10.2.5.1	2300052205	790	81	35.3	32	6.9	14.6	5.3	221	77.4	35.05	74.44	1	1	1	1	1	39.40	52.92269169
12067	24/01/2021	10	10.2	10.2.5.1	2300057626	1051	113	46.3	31	7.4	19.5	5.5	229	107.3	46.75	76.11	1	1	1	1	1	29.36	38.57453246
12068	24/01/2021	10	10.2	10.2.5.1	2300057640	817	21	28.3	20	4.6	6.4	4.2	92	26.9	29.22	74.61	1	1	1	1	1	45.40	60.84236465
12069	24/01/2021	10	10.2	10.2.5.1	2300057243	509	46	67.6	30	3.4	22.8	3.07	102	70.0	68.62	72.64	1	0	0	0	0	4.02	5.533963884
12070	24/01/2021	10	10.2	10.2.5.1	2300057312	1054	104	39.9	31	7.4	14.4	6.5	229	93.6	40.80	76.13	1	1	1	1	1	35.33	46.40583882
12071	24/01/2021	10	10.2	10.2.5.2	2300053684	989	81	34.5	31	6.8	13.4	5.5	211	73.7	34.96	75.72	1	1	1	1	1	40.75	53.82450996
12072	24/01/2021	10	10.2	10.2.5.2	2300056402	1008	124	48.9	32	7.3	21.5	5.3	234	114.0	48.78	75.84	1	1	1	1	1	27.06	35.67805015
12073	24/01/2021	10	10.2	10.2.5.2	2300057188	1022	45	44.9	30	6.01	11.9	4.3	180	51.2	28.38	75.93	1	1	1	1	1	47.55	62.6212655
12074	24/01/2021	10	10.2	10.2.5.2	2300057186	854	134	54.8	33	6.3	21	5.5	208	115.5	55.56	74.85	1	1	1	1	1	19.30	25.77906744
12075	24/01/2021	10	10.2	10.2.5.2	2300057190	914	47	49.8	29	3.04	20.7	2.1	88	43.5	49.31	75.24	1	1	1	1	1	25.93	34.46177577
12076	24/01/2021	10	10.2	10.2.5.2	2300055398	692	102	61.4	32	5.2	16.3	4.8	166	78.2	47.02	73.81	1	1	1	1	1	26.80	36.3010795
12077	24/01/2021	10	10.2	10.2.5.2	2300053690	688	105	62.3	32	6.6	15.5	5.9	211	91.5	43.30	73.79	1	1	1	1	1	30.49	41.31906919
12078	24/01/2021	10	10.2	10.2.5.2	NA	893	83	40.4	31	6.4	14.5	5.6	198	81.2	40.93	75.10	1	1	1	1	1	34.17	45.50364128
12079	24/01/2021	10	10.2	10.2.5.2	2300057216	904	81	42.1	32	5.8	15.4	5.8	186	89.3	48.13	75.17	1	1	1	1	1	27.05	35.97981152

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12080	24/01/2021	10	10.2	10.2.5.2	2300056407	916	96	66.6	21	5.9	15.7	5.3	124	83.2	67.16	75.25	1	1	0	0	0	8.09	10.75026287
12081	24/01/2021	10	10.2	10.2.5.2	2300056399	946	105	51.2	29	6.9	15.8	6.1	200	96.4	48.17	75.44	1	1	1	1	1	27.27	36.15368285
12082	24/01/2021	10	10.2	10.2.5.2	2300056642	758	20	20.4	20	2.6	10.2	1.4	52	14.3	27.46	74.24	1	1	1	1	1	46.78	63.00838601
12083	24/01/2021	10	10.2	10.2.5.2	2300057575	726	85	41.5	32	6.4	15.3	5.6	205	85.7	41.84	74.03	1	1	1	1	1	32.20	43.48969168
12084	24/01/2021	10	10.2	10.2.5.2	2300057105	728	125	57	30	5.9	23.1	4.6	177	106.3	60.03	74.05	1	1	1	0	0	14.01	18.92263333
12085	24/01/2021	10	10.2	10.2.5.2	2300057195	919	124	57	30	6.03	22.2	4.7	181	104.3	57.68	75.27	1	1	1	1	0	17.59	23.36905217
12086	24/01/2021	10	10.2	10.2.5.2	2300053679	962	18	20	16	1.6	18.4	2.4	26	44.2	172.50	75.54	1	1	1	1	1	-96.96	-128.3473739
12087	24/01/2021	10	10.2	10.2.5.2	NA	977	24	46.1	25	1.9	13.6	1.6	48	21.8	45.81	75.64	1	1	1	1	1	29.83	39.43514927
12088	24/01/2021	10	10.2	10.2.5.2	2300053683	952	119	59.8	30	5.8	21.1	5.06	174	106.8	61.36	75.48	1	1	1	0	0	14.12	18.70595437
12089	24/01/2021	10	10.2	10.2.5.3	2300057516	975	125	53.8	29	7.1	19.6	5.8	206	113.7	55.21	75.63	1	1	1	1	1	20.41	26.99433051
12090	24/01/2021	10	10.2	10.2.5.3	2300057445	980	91	64.5	31	6.2	14.8	5.6	192	82.9	43.12	75.66	1	1	1	1	1	32.54	43.00437736
12091	24/01/2021	10	10.2	10.2.5.3	2300057252	968	107	64.2	21	7.09	15.3	6.3	149	96.4	64.74	75.58	1	1	0	0	0	10.84	14.34501025
12092	24/01/2021	10	10.2	10.2.5.3	2300057691	969	135	56.4	32	6.8	20.5	6.05	218	124.0	57.00	75.59	1	1	1	1	0	18.59	24.59506177
12093	24/01/2021	10	10.2	10.2.5.3	2300057637	539	42	41.7	30	3.5	14.4	3.08	105	44.4	42.24	72.84	1	1	1	1	1	30.60	42.00638149
12094	24/01/2021	10	10.2	10.2.5.3	2300057232	991	108	63.2	28	7.2	15.3	6.4	202	97.9	48.57	75.73	1	1	1	1	1	27.16	35.86101308
12095	24/01/2021	10	10.2	10.2.5.3	2300057238	978	25	46.3	17	4.3	14.7	2.4	73	35.3	48.26	75.65	1	1	1	1	1	27.38	36.19865649
12096	24/01/2021	10	10.2	10.2.5.3	2300057159	974	102	64.3	21	6.8	15.3	6.1	143	93.3	65.36	75.62	1	1	0	0	0	10.26	13.57116031
12097	24/01/2021	10	10.2	10.2.5.3	2300057622	964	89	43.6	29	7.1	15.5	6.3	206	97.7	47.43	75.56	1	1	1	1	1	28.13	37.23041718
12098	24/01/2021	10	10.2	10.2.5.3	2300057253	963	107	64.2	20	7.1	15.2	6.3	142	95.8	67.44	75.55	1	1	0	0	0	8.11	10.73814188
12099	24/01/2021	10	10.2	10.2.5.3	2300057690	1038	37	35.8	17	5.6	9	3.9	95	35.1	36.87	76.03	1	1	1	1	1	39.16	51.5058058
12100	24/01/2021	10	10.2	10.2.5.3	2300057485	1032	98.2	20.4	14	2.4	18.1	1.4	34	25.3	75.42	75.99	0	0	0	0	0	0.57	0.755530055
12101	24/01/2021	10	10.2	10.2.5.3	2300057117	1040	103	56.4	31	7.4	15.7	6.3	229	98.9	43.12	76.04	1	1	1	1	1	32.93	43.29866849
12102	24/01/2021	10	10.2	10.2.5.3	2300057152	514	46	48.9	29	3.4	15.3	3.06	99	46.8	47.48	72.68	1	1	1	1	1	25.19	34.66478623
12103	24/01/2021	10	10.2	10.2.5.3	2300057233	1001	30	20.9	13	1.4	20.4	1	18	20.4	112.09	75.79	1	1	1	1	1	-36.30	-47.88806277
12104	24/01/2021	10	10.2	10.2.5.3	2300057642	1029	101	54.9	31	7.9	15.2	6.9	245	104.9	42.83	75.97	1	1	1	1	1	33.15	43.62940478
12105	24/01/2021	10	10.2	10.2.5.3	2300057619	978	134	61	31	6.5	24.9	5.1	202	127.0	63.02	75.65	1	1	1	0	0	12.62	16.68693783
12106	24/01/2021	10	10.2	10.2.5.3	2300057517	597	107	64.6	20	6.9	15.4	6.2	138	95.5	69.19	73.21	1	0	0	0	0	4.02	5.48909965
12107	24/01/2021	10	10.2	10.2.5.3	2300057248	1023	9	61.7	20	6.8	10.4	6.07	136	63.1	46.42	75.93	1	1	1	1	1	29.52	38.87041892
12108	24/01/2021	10	10.2	10.2.5.3	2300057247	1048	136	56.6	30	7.5	22	6	225	132.0	58.67	76.09	1	1	1	1	0	17.43	22.90156457
12109	24/01/2021	10	10.2	10.2.5.3	2300057518	1025	105	49.5	27	7.4	15.3	6.4	200	97.9	49.01	75.95	1	1	1	1	1	26.94	35.46861058

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12110	24/01/2021	10	10.2	10.2.5.4	2300057192	1164	16	53	17	1.8	13.6	1.2	31	16.3	53.33	76.84	1	1	1	1	1	23.50	30.58773103
12111	24/01/2021	10	10.2	10.2.5.4	2300053682	790	22	40	20	5.3	25.4	2.4	106	61.0	57.51	74.44	1	1	1	1	0	16.93	22.74598484
12112	24/01/2021	10	10.2	10.2.5.4	2300057178	796	20	24	20	4.3	20.1	1	86	20.1	23.37	74.48	1	1	1	1	1	51.11	68.61980733
12113	24/01/2021	10	10.2	10.2.5.4	2300056357	699	30	30	30	4.4	18.2	2.4	132	43.7	33.09	73.86	1	1	1	1	1	40.77	55.19755172
12114	24/01/2021	10	10.2	10.2.5.4	2300057183	1024	108	63.4	21	7.8	15	7.1	164	106.5	65.02	75.94	1	1	0	0	0	10.92	14.38154136
12115	24/01/2021	10	10.2	10.2.5.4	2300053681	686	129	62.9	30	4.3	22.1	3.8	129	84.0	65.10	73.78	1	1	0	0	0	8.68	11.75934961
12116	24/01/2021	10	10.2	10.2.5.4	2300053601	676	69	46	29	4.8	15.3	4.07	139	62.3	44.73	73.71	1	1	1	1	1	28.98	39.31154895
12117	24/01/2021	10	10.2	10.2.5.4	2300057194	671	58	4.4	29	4.8	15	4.3	139	64.5	46.34	73.68	1	1	1	1	1	27.34	37.11189557
12118	24/01/2021	10	10.2	10.2.5.4	2300057681	665	20	15.4	20	2.4	10.2	1.4	48	14.3	29.75	73.64	1	1	1	1	1	43.89	59.60185764
12119	24/01/2021	10	10.2	10.2.5.4	2300053685	671	46	26.8	31	4.8	22.5	2.5	149	56.3	37.80	73.68	1	1	1	1	1	35.88	48.69406334
12120	24/01/2021	10	10.2	10.2.5.4	2300056404	657	83	5.1	31	6.8	15.3	3.9	211	59.7	28.31	73.59	1	1	1	1	1	45.28	61.53533918
12121	24/01/2021	10	10.2	10.2.5.4	2300056397	653	26	40.7	19	1.7	13.6	0.6	32	8.2	25.26	73.57	1	1	1	1	1	48.30	65.6588198
12122	24/01/2021	10	10.2	10.2.5.4	2300056406	625	90	60.4	24	4.2	15.6	3.8	101	59.3	58.81	73.39	1	1	1	0	0	14.58	19.86274792
12123	24/01/2021	10	10.2	10.2.5.4	2300057214	608	45	20.5	30	4.2	7.1	4.1	126	29.1	23.10	73.28	1	1	1	1	1	50.17	68.47153739
12124	24/01/2021	10	10.2	10.2.5.4	2300056521	627	46	20.8	31	4.5	7.1	4.1	140	29.1	20.87	73.40	1	1	1	1	1	52.53	71.56985739
12125	24/01/2021	10	10.2	10.2.5.4	2300056525	628	49	41.6	21	4.2	12.3	3.1	88	38.1	43.23	73.41	1	1	1	1	1	30.17	41.10595364
12126	24/01/2021	10	10.2	10.2.5.4	2300057250	624	123	61.9	21	4.6	16.1	3.8	97	61.2	63.33	73.38	1	1	0	0	0	10.05	13.69081688
12127	24/01/2021	10	10.2	10.2.5.4	2300056761	618	20	18.2	31	2.4	10.2	2	74	20.4	27.42	73.34	1	1	1	1	1	45.92	62.61398117
12128	24/01/2021	10	10.2	10.2.5.4	2300053680	612	42	33.1	31	4.2	25.2	3.3	130	83.2	63.87	73.30	1	1	0	0	0	9.43	12.86694677
12129	24/01/2021	10	10.2	10.2.5.4	2300057187	602	112	60.6	29	4.4	15.1	3.7	128	55.9	43.79	73.24	1	1	1	1	1	29.45	40.21575114
12130	24/01/2021	10	10.2	10.2.5.4	2300057337	592	129	60.5	20	4.2	16.4	3.3	84	54.1	64.43	73.17	1	1	0	0	0	8.75	11.95251449
12131	24/01/2021	10	10.2	10.2.5.4	2300057564	589	26	27	31	3.1	25.2	2.2	96	55.4	57.69	73.16	1	1	1	1	0	15.47	21.14081991
12132	24/01/2021	10	10.1	10.1.2.1	2300036081	995	131	62	29	4.06	21.4	3.5	118	74.9	63.61	75.75	1	1	1	0	0	12.14	16.02457382
12133	24/01/2021	10	10.1	10.1.2.1	2300036367	580	24	43.5	24	3.9	13.5	3.3	94	44.6	47.60	73.10	1	1	1	1	1	25.50	34.88720095
12134	24/01/2021	10	10.1	10.1.2.1	2300036029	860	79	48.8	21	4.8	15.9	3.8	101	60.4	59.94	74.89	1	1	1	0	0	14.95	19.96197598
12135	24/01/2021	10	10.1	10.1.2.1	2300036044	853	23	26.3	32	4.3	11.5	3.1	138	35.7	25.91	74.85	1	1	1	1	1	48.94	65.38397889
12136	24/01/2021	10	10.1	10.1.2.1	2300038285	882	49	32.3	31	5.4	12.8	4.2	167	53.8	32.11	75.03	1	1	1	1	1	42.92	57.19798357
12137	24/01/2021	10	10.1	10.1.2.1	2300038287	918	35	26.4	31	4.8	12.3	3.5	149	43.1	28.93	75.26	1	1	1	1	1	46.33	61.55860973
12138	24/01/2021	10	10.1	10.1.2.1	2300035480	852	49	5.59	30	3.9	15.2	3.6	117	54.7	46.77	74.84	1	1	1	1	1	28.07	37.50670672
12139	24/01/2021	10	10.1	10.1.2.1	2300035131	877	70	38.7	31	5.6	14.9	4.6	174	68.5	39.48	75.00	1	1	1	1	1	35.52	47.35706862

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12140	24/01/2021	10	10.1	10.1.2.1	2300036077	900	33	26.1	33	5.1	11.3	3.6	168	40.7	24.17	75.15	1	1	1	1	1	50.97	67.83445161
12141	24/01/2021	10	10.1	10.1.2.2	2300036028	901	66	37.3	31	5.5	14.43	4.5	171	64.9	38.09	75.15	1	1	1	1	1	37.07	49.32291718
12142	24/01/2021	10	10.1	10.1.2.2	2300036555	901	70	36.3	31	6.1	14	5.5	189	77.0	40.72	75.15	1	1	1	1	1	34.43	45.81783657
12143	24/01/2021	10	10.1	10.1.2.2	2300043913	889	135	56.3	31	5.9	23	4.8	183	110.4	60.36	75.08	1	1	1	0	0	14.71	19.59990606
12144	24/01/2021	10	10.1	10.1.2.2	2300041178	813	74	13.3	31	5.8	13.3	4.7	180	62.5	34.77	74.59	1	1	1	1	1	39.82	53.3894892
12145	24/01/2021	10	10.1	10.1.2.2	2300047854	893	124	52.2	32	5.8	21.9	4.4	186	96.4	51.92	75.10	1	1	1	1	1	23.18	30.86914264
12146	24/01/2021	10	10.1	10.1.2.2	2300035196	901	70	40.2	32	5.3	15.3	4.8	170	73.4	43.30	75.15	1	1	1	1	1	31.85	42.38123228
12147	24/01/2021	10	10.1	10.1.2.2	NA	889	92	44.6	32	5.9	16.2	5.3	189	85.9	45.48	75.08	1	1	1	1	1	29.60	39.42546591
12148	24/01/2021	10	10.1	10.1.2.2	2300043926	901	133	42.8	31	6.8	22.1	4.6	211	101.7	48.23	75.15	1	1	1	1	1	26.93	35.82931955
12149	24/01/2021	10	10.1	10.1.2.2	2300043919	992	104	47	30	6.6	20.6	3	198	61.8	31.21	75.73	1	1	1	1	1	44.52	58.78760991
12150	24/01/2021	10	10.1	10.1.2.2	2300037751	1019	103	53.6	28	7.2	14.7	6.02	202	88.5	43.90	75.91	1	1	1	1	1	32.01	42.17201791
12151	24/01/2021	10	10.1	10.1.2.2	2300038286	1031	94	42.4	31	6.5	15.3	5.7	202	87.2	43.28	75.98	1	1	1	1	1	32.70	43.04041748
12152	24/01/2021	10	10.1	10.1.2.2	2300035244	871	58	37.8	30	5.1	13.8	4.4	153	60.7	39.69	74.96	1	1	1	1	1	35.27	47.05701342
12153	24/01/2021	10	10.1	10.1.2.3	2300035478	560	40	40.7	30	4.3	15.1	3.7	129	55.9	43.31	72.97	1	1	1	1	1	29.66	40.64673493
12154	24/01/2021	10	10.1	10.1.2.3	2300038284	933	72	38.4	26	6.1	13.6	5.03	159	68.4	43.13	75.36	1	1	1	1	1	32.22	42.76272397
12155	24/01/2021	10	10.1	10.1.2.3	2300038271	945	79	38.9	30	6.2	14.3	5.2	186	74.4	39.98	75.43	1	1	1	1	1	35.46	47.00202213
12156	24/01/2021	10	10.1	10.1.2.3	2300035344	938	134	58.9	31	6.1	23.8	4.8	189	114.2	60.41	75.39	1	1	1	0	0	14.98	19.86586916
12157	24/01/2021	10	10.1	10.1.2.3	2300035250	600	77	39	30	5.4	16.4	4.4	162	72.2	44.54	73.23	1	1	1	1	1	28.68	39.17022659
12158	24/01/2021	10	10.1	10.1.2.3	2300035501	1011	86	38.1	31	6.6	14.1	5.7	205	80.4	39.28	75.86	1	1	1	1	1	36.57	48.21593837
12159	24/01/2021	10	10.1	10.1.2.3	2300035095	957	106	40.1	30	6.9	18.9	5.1	207	96.4	46.57	75.51	1	1	1	1	1	28.95	38.33303661
12160	24/01/2021	10	10.1	10.1.2.4	2300032742	1013	84	38.9	31	6.4	14.2	5.5	198	78.1	39.36	75.87	1	1	1	1	1	36.50	48.11475625
12161	24/01/2021	10	10.1	10.1.2.4	2300034966	970	44	33.4	29	6.04	12.8	4.7	175	60.2	34.35	75.59	1	1	1	1	1	41.25	54.5655197
12162	24/01/2021	10	10.1	10.1.2.4	2300037746	993	97	42.9	31	6.6	15	5.9	205	88.5	43.26	75.74	1	1	1	1	1	32.49	42.8908811
12163	24/01/2021	10	10.1	10.1.2.4	2300037985	943	15	28.5	21	2.9	9.5	1.9	61	18.1	29.64	75.42	1	1	1	1	1	45.78	60.70235948
12164	24/01/2021	10	10.1	10.1.2.4	2300036049	906	100	44.4	32	6.5	16.1	5.9	208	95.0	45.67	75.18	1	1	1	1	1	29.52	39.25831791
12165	24/01/2021	10	10.1	10.1.2.4	2300035453	964	83	39.8	32	6.2	15	5.2	198	78.0	39.31	75.56	1	1	1	1	1	36.24	47.9661122
12166	24/01/2021	10	10.1	10.1.2.4	2300036547	908	112	39.7	32	5.2	20.4	2.4	166	49.0	29.42	75.20	1	1	1	1	1	45.77	60.87211103
12167	24/01/2021	10	10.1	10.1.2.4	2300035239	960	77	35.7	32	6.4	13.9	5.3	205	73.7	35.97	75.53	1	1	1	1	1	39.56	52.37431526
12168	24/01/2021	10	10.1	10.1.2.4	2300037754	999	101	45.5	31	6.3	19.3	4.8	195	92.6	47.43	75.78	1	1	1	1	1	28.34	37.40437292
12169	24/01/2021	10	10.1	10.1.2.4	2300037635	985	86.9	37.3	31	6.8	14.2	5.7	211	80.9	38.40	75.69	1	1	1	1	1	37.29	49.2712585

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12170	24/01/2021	9	9.5	9.5.6.4	2300042373	584	94	60.2	20	6.1	14.7	5.2	122	76.4	62.66	73.12	1	1	0	0	0	10.47	14.31529943
12171	24/01/2021	9	9.5	9.5.6.4	2300056431	639	138	58.1	30	4.5	23	3.7	135	85.1	63.04	73.48	1	1	0	0	0	10.44	14.20684277
12172	24/01/2021	9	9.5	9.5.6.4	2300056531	934	41	29.9	30	4.8	12.4	3.6	144	44.6	31.00	75.36	1	1	1	1	1	44.36	58.86608389
12173	24/01/2021	9	9.5	9.5.6.4	2300056610	873	48	34.6	27	5.5	12.5	4.1	149	51.3	34.51	74.97	1	1	1	1	1	40.46	53.96783849
12174	24/01/2021	9	9.5	9.5.6.4	2300056660	862	7	23.2	21	1.7	3.9	0.9	36	3.5	9.83	74.90	1	1	1	1	1	65.07	86.87374468
12175	24/01/2021	9	9.5	9.5.6.4	2300056676	756	21	30.6	26	4.1	11.5	2.8	107	32.2	30.21	74.22	1	1	1	1	1	44.02	59.30397688
12176	24/01/2021	9	9.5	9.5.6.4	2300056650	780	134	51.8	30	5.09	22.1	4.1	153	90.6	59.34	74.38	1	1	1	1	0	15.04	20.22026357
12177	24/01/2021	9	9.5	9.5.6.4	2300056582	639	71	53.2	20	3.7	13.7	3.02	74	41.4	55.91	73.48	1	1	1	1	0	17.56	23.90560838
12178	24/01/2021	9	9.5	9.5.6.4	2300056772	617	12	34.6	30	4.3	13.3	3.5	129	46.6	36.09	73.33	1	1	1	1	1	37.25	50.79379596
12179	24/01/2021	9	9.5	9.5.6.4	2300056415	705	71	54.2	21	4.5	14.4	3.6	95	51.8	54.86	73.90	1	1	1	1	1	19.04	25.76640388
12180	24/01/2021	9	9.5	9.5.6.4	2300056692	703	113	45.1	31	4.7	20.5	3.3	146	67.7	46.43	73.89	1	1	1	1	1	27.45	37.1578846
12181	24/01/2021	9	9.5	9.5.6.4	2300056394	531	43	45.3	26	3.5	14.7	2.8	91	41.2	45.23	72.78	1	1	1	1	1	27.55	37.85650602
12182	24/01/2021	2	2.2	2.2.3.2	-	520	104	49.7	30	5.1	20	4.6	153	92.0	60.13	72.71	1	1	1	0	0	12.58	17.30516963
12183	24/01/2021	2	2.2	2.2.3.2	220110202812646	944	54	30.1	31	5.4	12.7	4.2	167	53.3	31.86	75.43	1	1	1	1	1	43.56	57.75578265
12184	24/01/2021	2	2.2	2.2.3.2	22011020282338	840	92	44.2	31	5.2	18.1	3.9	161	70.6	43.79	74.76	1	1	1	1	1	30.97	41.42703167
12185	24/01/2021	2	2.2	2.2.3.2	103610112300002000	844	48	34.8	30	5.2	13.3	4.2	156	55.9	35.81	74.79	1	1	1	1	1	38.98	52.12081641
12186	24/01/2021	2	2.2	2.2.3.2	NA	833	88	36.4	31	4.8	12	2.6	149	31.2	20.97	74.72	1	1	1	1	1	53.75	71.93719527
12187	24/01/2021	2	2.2	2.2.3.2	22011020282616	514	25	30.5	31	5.08	11.1	3.7	157	41.1	26.08	72.68	1	1	1	1	1	46.60	64.11518837
12188	24/01/2021	2	2.2	2.2.3.2	22011020282486	846	14	24.1	31	5.9	23.7	3.4	183	80.6	44.06	74.80	1	1	1	1	1	30.74	41.10076728
12189	24/01/2021	2	2.2	2.2.3.2	NA	748	46	22.2	31	4	14.7	2.4	124	35.3	28.45	74.17	1	1	1	1	1	45.72	61.64165372
12190	24/01/2021	2	2.2	2.2.3.2	22011020282501	606	23	39.3	30	4.1	18.6	3.2	123	59.5	48.39	73.26	1	1	1	1	1	24.87	33.95121791
12191	24/01/2021	2	2.2	2.2.3.2	22011012780799	589	94	37.2	30	4.7	13.3	2.6	141	34.6	24.52	73.16	1	1	1	1	1	48.63	66.47580951
12192	24/01/2021	2	2.2	2.2.3.2	22011120282576	753	34	34.2	31	4.1	11.7	3.8	127	44.5	34.98	74.21	1	1	1	1	1	39.22	52.86000112
12193	24/01/2021	2	2.2	2.2.3.2	22011012780767	786	45	38.6	20	4.4	13.3	3.05	88	40.6	46.10	74.42	1	1	1	1	1	28.32	38.05587087
12194	24/01/2021	2	2.2	2.2.3.2	22011012580335	921	80	38.6	31	6.3	14.5	3.3	195	47.9	24.50	75.28	1	1	1	1	1	50.78	67.45398796
12195	24/01/2021	2	2.2	2.2.3.2	NA	930	70	49.7	21	5.8	13.2	4.6	122	60.7	49.85	75.34	1	1	1	1	1	25.49	33.82859016
12196	24/01/2021	2	2.2	2.2.3.2	NA	921	48	30.7	31	5.4	12.4	4.2	167	52.1	31.11	75.28	1	1	1	1	1	44.17	58.6730263
12197	24/01/2021	2	2.2	2.2.3.2	22011012479721	908	55	47.6	20	4.5	13	3.3	90	42.9	47.67	75.20	1	1	1	1	1	27.53	36.61111495
12198	24/01/2021	2	2.2	2.2.3.2	22011020282498	835	119	5	31	5.6	21.7	4.2	174	91.1	52.50	74.73	1	1	1	1	1	22.23	29.74708952
12199	24/01/2021	2	2.2	2.2.3.2	22011020282621	850	42	30.9	30	5.1	11.6	3.7	153	42.9	28.05	74.83	1	1	1	1	1	46.77	62.50997303

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imppp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12200	24/01/2021	2	2.2	2.2.3.2	22011020282634	923	91	42.9	31	5.7	14.6	3.9	177	56.9	32.22	75.29	1	1	1	1	1	43.07	57.20183408
12201	24/01/2021	2	2.2	2.2.3.2	22011020282652	928	47	29.5	30	5.3	11.8	4.1	159	48.4	30.43	75.33	1	1	1	1	1	44.90	59.60492245
12202	24/01/2021	2	2.2	2.2.3.2	22011020282655	894	51	33.2	30	5.3	13.4	4.1	159	54.9	34.55	75.11	1	1	1	1	1	40.55	53.99472341
12203	24/01/2021	2	2.2	2.2.3.2	NA	508	15	28.9	30	3.3	14.2	2.8	99	39.8	40.16	72.64	1	1	1	1	1	32.48	44.70930025
12204	24/01/2021	2	2.2	2.2.3.2	22011020282676	609	32	37	21	3.7	11.1	2.6	78	28.9	37.14	73.28	1	1	1	1	1	36.14	49.31627657
12205	24/01/2021	2	2.2	2.2.3.2	22011020282651	734	24	33	30	4.4	12.7	3.6	132	45.7	34.64	74.08	1	1	1	1	1	39.45	53.24692154
12206	24/01/2021	2	2.4	2.4.4.2	22011020182205	692	25	35.5	29	4.1	13	3.3	119	42.9	36.08	73.81	1	1	1	1	1	37.73	51.11991075
12207	24/01/2021	2	2.4	2.4.4.2	22011012580462	705	32	28.6	30	3.9	13.6	1.9	117	25.8	22.09	73.90	1	1	1	1	1	51.81	70.11357535
12208	24/01/2021	2	2.4	2.4.4.2	22011020182194	701	72	36.1	20	4.4	17.6	2.8	88	49.3	56.00	73.87	1	1	1	1	0	17.87	24.19360952
12209	24/01/2021	2	2.4	2.4.4.2	22011020182283	712	67	50.6	30	4.6	13.1	3.7	138	48.5	35.12	73.94	1	1	1	1	1	38.82	52.49951529
12210	24/01/2021	2	2.4	2.4.4.1	NA	676	14	26.6	30	4.5	11.3	3.3	135	37.3	27.62	73.71	1	1	1	1	1	46.09	62.5270345
12211	24/01/2021	2	2.4	2.4.4.1	-	822	42	33.1	30	5.2	12.7	4.2	156	53.3	34.19	74.65	1	1	1	1	1	40.45	54.19454325
12212	24/01/2021	2	2.4	2.4.4.2	22011020382959	720	23	33.5	30	4.6	13.1	3.3	138	43.2	31.33	73.99	1	1	1	1	1	42.67	57.66401741
12213	24/01/2021	2	2.4	2.4.4.2	22011010873817	719	18	32.6	30	4.7	12.9	3.7	141	47.7	33.85	73.99	1	1	1	1	1	40.14	54.24765254
12214	24/01/2021	2	2.4	2.4.4.2	22011012480055	609	67	51.4	30	4.4	13.3	3.5	132	46.6	35.27	73.28	1	1	1	1	1	38.02	51.87852191
12215	24/01/2021	2	2.4	2.4.4.2	-	1049	97	37.4	30	7.5	14	6.3	225	88.2	39.20	76.10	1	1	1	1	1	36.90	48.48855973
12216	24/01/2021	2	2.4	2.4.4.2	NA	808	134	60.3	30	5.3	21.9	4.6	159	100.7	63.36	74.56	1	1	1	0	0	11.20	15.02029238
12217	24/01/2021	2	2.4	2.4.4.2	22011012881150	814	68	37.5	30	5.8	14.9	4.5	174	67.1	38.53	74.60	1	1	1	1	1	36.06	48.34215053
12218	24/01/2021	2	2.4	2.4.4.2	NA	845	128	44.7	30	5.2	23.2	3.8	156	88.2	56.51	74.79	1	1	1	1	0	18.28	24.44204012
12219	24/01/2021	2	2.4	2.4.4.2	22011012881174	858	111	47.8	30	6.7	19.7	5.7	201	112.3	55.87	74.88	1	1	1	1	1	19.01	25.39027682
12220	24/01/2021	2	2.4	2.4.4.2	22011012881154	878	63	46.4	20	5.7	12.7	4.4	114	55.9	49.02	75.01	1	1	1	1	1	25.99	34.64780594
12221	24/01/2021	2	2.4	2.4.4.2	22011012881112	981	65	30	30	6.4	12.3	4.9	192	60.3	31.39	75.66	1	1	1	1	1	44.27	58.51334974
12222	24/01/2021	2	2.4	2.4.4.2	22011012981579	1058	46	39	29	3.5	13.7	2.9	102	39.7	39.14	76.16	1	1	1	1	1	37.01	48.60255216
12223	24/01/2021	2	2.4	2.4.4.2	22011012981443	504	80	37.7	31	6.2	14.2	5.3	192	75.3	39.16	72.61	1	1	1	1	1	33.45	46.0731784
12224	24/01/2021	2	2.4	2.4.4.2	22011020382958	624	26	18.9	30	3.3	12	2.6	99	31.2	31.52	73.38	1	1	1	1	1	41.86	57.05188974
12225	24/01/2021	2	2.4	2.4.4.2	22011012580461	1010	39	22.2	31	4.8	12.1	2.8	149	33.9	22.77	75.85	1	1	1	1	1	53.08	69.98178351
12226	24/01/2021	2	2.4	2.4.4.2	22011020282666	797	108	48.2	30	5.4	20.5	4.02	162	82.4	50.87	74.49	1	1	1	1	1	23.62	31.70552317
12227	24/01/2021	2	2.4	2.4.4.2	22011020182284	716	129	56.3	30	5.1	22.3	4.5	153	100.4	65.59	73.97	1	1	0	0	0	8.38	11.32938485
12228	24/01/2021	2	2.4	2.4.4.2	22011020182222	1089	91	58.4	29	5.7	14.8	3.3	165	48.8	29.55	76.36	1	1	1	1	1	46.81	61.30437127
12229	24/01/2021	2	2.4	2.4.4.2	22011020282435	1130	116	53.3	31	7.1	20.8	5.7	220	118.6	53.87	76.62	1	1	1	1	1	22.75	29.69481799

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12230	24/01/2021	5	5.1	5.1.1.2	NA	1007	68	35.8	30	5.8	13.7	4.6	174	63.0	36.22	75.83	1	1	1	1	1	39.61	52.23788908
12231	24/01/2021	5	5.1	5.1.1.2	22011012881079	1018	122	55.4	31	6.7	20.9	5.5	208	115.0	55.34	75.90	1	1	1	1	1	20.56	27.083832
12232	24/01/2021	5	5.1	5.1.1.2	22011011074114	1039	89	57.1	21	7.06	14	6.06	148	84.8	57.22	76.04	1	1	1	1	0	18.81	24.74078454
12233	24/01/2021	5	5.1	5.1.1.2	22011012479741	1008	79	34.6	25	6.8	13.4	5.5	170	73.7	43.35	75.84	1	1	1	1	1	32.48	42.83420119
12234	24/01/2021	5	5.1	5.1.1.2	22011012881102	984	82	41.8	30	5.9	14.7	5.2	177	76.4	43.19	75.68	1	1	1	1	1	32.50	42.93817858
12235	24/01/2021	5	5.1	5.1.1.3	NA	1079	111	50.9	30	6.7	22.1	4.8	201	106.1	52.78	76.29	1	1	1	1	1	23.52	30.82315825
12236	24/01/2021	5	5.1	5.1.1.2	NA	1030	58	27.6	30	6.04	12.3	4.2	181	51.7	28.51	75.98	1	1	1	1	1	47.47	62.47606705
12237	24/01/2021	5	5.1	5.1.1.2	NA	1036	133	55.1	30	7.5	23.3	5.3	225	123.5	54.88	76.02	1	1	1	1	1	21.13	27.7992059
12238	24/01/2021	5	5.1	5.1.1.2	NA	1050	79	34.8	30	6.7	13.6	5.3	201	72.1	35.86	76.11	1	1	1	1	1	40.25	52.88059218
12239	24/01/2021	5	5.1	5.1.1.2	22011012881246	1051	36	23	30	4.02	11.3	4.7	121	53.1	44.04	76.11	1	1	1	1	1	32.07	42.14064644
12240	24/01/2021	5	5.1	5.1.1.2	22011012881111	1047	35	18.4	18	5.1	5.8	4	92	23.2	25.27	76.09	1	1	1	1	1	50.81	66.78486787
12241	24/01/2021	5	5.1	5.1.1.2	NA	1023	39	22.3	30	5.1	10.6	3.2	153	33.9	22.17	75.93	1	1	1	1	1	53.76	70.80337107
12242	24/01/2021	5	5.1	5.1.1.2	22011012869204	914	62	34.6	30	5.6	12.6	4.6	168	58.0	34.50	75.24	1	1	1	1	1	40.74	54.14404883
12243	24/01/2021	5	5.1	5.1.1.2	22011012479740	1000	88	42.2	30	5.8	19.1	3.9	174	74.5	42.81	75.79	1	1	1	1	1	32.98	43.5115393
12244	24/01/2021	5	5.1	5.1.1.2	22011012881213	1063	106	44.2	30	7.6	14.5	6.7	228	97.2	42.61	76.19	1	1	1	1	1	33.58	44.07389876
12245	24/01/2021	5	5.1	5.1.1.2	22011012881065	1046	89	35.5	30	6.2	14.6	3.8	186	55.5	29.83	76.08	1	1	1	1	1	46.25	60.79416382
12246	24/01/2021	5	5.1	5.1.1.2	22011012780788	522	29	62.5	30	3.9	21.6	3.6	117	77.8	66.46	72.73	1	0	0	0	0	6.27	8.614790612
12247	24/01/2021	5	5.1	5.1.1.2	22011012881100	510	9	40.6	32	3.8	15.7	3.1	122	48.7	40.02	72.65	1	1	1	1	1	32.63	44.90754157
12248	24/01/2021	5	5.1	5.1.1.2	22011011275079	839	46	59.3	32	3.6	25.5	5	115	127.5	110.68	74.76	1	1	1	1	1	-35.92	-48.05189622
12249	24/01/2021	5	5.1	5.1.1.2	22011012479738	953	96	43.3	32	6.1	19.2	4.4	195	84.5	43.28	75.49	1	1	1	1	1	32.21	42.66599476
12250	24/01/2021	5	5.1	5.1.1.2	22011012881117	780	47	34.3	32	5.4	13.7	4.3	173	58.9	34.09	74.38	1	1	1	1	1	40.29	54.16462504
12251	24/01/2021	5	5.1	5.1.1.2	22011012881119	676	16	60.9	32	5.2	23.6	4.2	166	99.1	59.57	73.71	1	1	1	0	0	14.15	19.18956961
12252	24/01/2021	5	5.1	5.1.1.2	22011012479746	574	66	51.5	30	3.6	15.3	3.3	108	50.5	46.75	73.06	1	1	1	1	1	26.31	36.01114706
12253	24/01/2021	5	5.1	5.1.1.2	22011012780787	541	20	30	30	4.1	20.4	2.4	123	49.0	39.80	72.85	1	1	1	1	1	33.04	45.35929677
12254	24/01/2021	5	5.1	5.1.4.1	22011012881010	544	33	39.2	31	4.7	15	4	146	60.0	41.18	72.87	1	1	1	1	1	31.69	43.48584571
12255	24/01/2021	5	5.1	5.1.4.1	22011011977656	711	83	56.7	22	4.2	14.7	3.4	92	50.0	54.09	73.94	1	1	1	1	1	19.85	26.84129997
12256	24/01/2021	5	5.1	5.1.4.1	22011012881157	685	43	38.2	32	4.9	14.7	4.1	157	60.3	38.44	73.77	1	1	1	1	1	35.33	47.89548597
12257	24/01/2021	5	5.1	5.1.4.1	2300053533	781	40	39.9	32	4.7	14.8	4	150	59.2	39.36	74.38	1	1	1	1	1	35.02	47.08339097
12258	24/01/2021	5	5.1	5.1.4.1	2300053603	680	45	41.7	31	4.4	15.6	3.7	136	57.7	42.32	73.74	1	1	1	1	1	31.42	42.61206496
12259	24/01/2021	5	5.1	5.1.4.1	2300053640	657	41	40.7	31	6.4	15.1	3.9	198	58.9	29.68	73.59	1	1	1	1	1	43.91	59.66552928

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12260	24/01/2021	5	5.1	5.1.4.1	2300053621	962	65	34.6	29	6.04	13	4.8	175	62.4	35.62	75.54	1	1	1	1	1	39.92	52.84187001
12261	24/01/2021	5	5.1	5.1.4.1	2300053641	966	59	31.3	30	6.6	12.4	4.6	198	57.0	28.81	75.57	1	1	1	1	1	46.76	61.87813847
12262	24/01/2021	5	5.1	5.1.4.1	2300053566	967	72	33.4	33	6.4	13.2	5.3	211	70.0	33.13	75.57	1	1	1	1	1	42.45	56.16925218
12263	24/01/2021	5	5.1	5.1.4.1	22010121065718	965	65	31.5	31	4.9	12.7	5.01	152	63.6	41.89	75.56	1	1	1	1	1	33.67	44.56548803
12264	24/01/2021	5	5.1	5.1.4.1	22010121065715	971	41	30.6	30	6.3	11.7	3.8	189	44.5	23.52	75.60	1	1	1	1	1	52.08	68.88401447
12265	24/01/2021	5	5.1	5.1.4.1	NA	995	72	34.6	31	5.1	13.4	5.1	158	68.3	43.23	75.75	1	1	1	1	1	32.53	42.93924222
12266	24/01/2021	5	5.1	5.1.4.1	NA	992	34	27.5	30	3.9	10.7	3.03	117	32.4	27.71	75.73	1	1	1	1	1	48.02	63.41146156
12267	24/01/2021	5	5.1	5.1.4.1	22010121065719	737	32	42.2	30	4.2	14.7	3.4	126	50.0	39.67	74.10	1	1	1	1	1	34.44	46.47075864
12268	24/01/2021	5	5.1	5.1.4.1	22010121065721	641	15	38.9	30	4.1	14.2	3.5	123	49.7	40.41	73.49	1	1	1	1	1	33.08	45.01648687
12269	24/01/2021	5	5.1	5.1.4.1	2300053582	992	84	35.7	32	7.2	13.7	5.8	230	79.5	34.49	75.73	1	1	1	1	1	41.25	54.46235123
12270	24/01/2021	5	5.1	5.1.4.1	2300053623	994	137	54.7	31	6.3	22.7	5.6	195	127.1	65.09	75.75	1	1	0	0	0	10.66	14.07040522
12271	24/01/2021	5	5.1	5.1.4.1	2300053612	982	71	37	28	6.2	13.2	5.1	174	67.3	38.78	75.67	1	1	1	1	1	36.89	48.75328153
12272	24/01/2021	5	5.1	5.1.4.1	2300053579	971	105	48.7	31	5.7	20.8	4.5	177	93.6	52.97	75.60	1	1	1	1	1	22.63	29.9327285
12273	24/01/2021	5	5.1	5.1.4.1	2300053612	947	54	30.6	30	3.9	12.8	2.3	117	29.4	25.16	75.45	1	1	1	1	1	50.28	66.64882651
12274	24/01/2021	5	5.1	5.1.4.1	NA	963	94	44.2	31	6.5	14.4	5.7	202	82.1	40.73	75.55	1	1	1	1	1	34.81	46.08216723
12275	24/01/2021	5	5.1	5.1.4.1	NA	960	129	55.2	31	5.7	22.6	5.1	177	115.3	65.23	75.53	1	1	0	0	0	10.30	13.63802193
12276	24/01/2021	5	5.1	5.1.4.1	NA	961	63	40	30	6.04	12.8	4.6	181	58.9	32.49	75.54	1	1	1	1	1	43.04	56.98169196
12277	24/01/2021	5	5.1	5.1.4.1	NA	958	68	33.5	31	6.3	17.2	3.7	195	63.6	32.59	75.52	1	1	1	1	1	42.93	56.84987594
12278	24/01/2021	5	5.2	5.2.3.2	22010012268231	974	54	34.3	31	6.4	12.2	4.2	198	51.2	25.83	75.62	1	1	1	1	1	49.79	65.84666819
12279	24/01/2021	5	5.2	5.2.3.4	NA	951	107	46.3	30	6.2	20	4.7	186	94.0	50.54	75.47	1	1	1	1	1	24.93	33.03825715
12280	24/01/2021	5	5.2	5.2.3.2	22011020282288	950	15	20.2	30	2.9	18.2	1.4	87	25.5	29.29	75.47	1	1	1	1	1	46.18	61.19132282
12281	24/01/2021	5	5.2	5.2.3.2	22011020182282	944	62	32.6	30	6.1	12.8	4.8	183	61.4	33.57	75.43	1	1	1	1	1	41.85	55.48874617
12282	24/01/2021	5	5.2	5.2.3.2	-	730	48	22.6	32	2.7	13.8	1.1	86	15.2	17.57	74.06	1	1	1	1	1	56.49	76.27610191
12283	24/01/2021	5	5.2	5.2.3.2	22011020282289	640	69	41.8	30	5.5	15.9	4.8	165	76.3	46.25	73.48	1	1	1	1	1	27.23	37.0532301
12284	24/01/2021	5	5.2	5.2.3.2	22011020282508	800	47	41.7	21	4.6	11.8	3.4	97	40.1	41.53	74.51	1	1	1	1	1	32.97	44.25671611
12285	24/01/2021	5	5.2	5.2.3.2	22011020282529	871	110	67.6	21	6.3	16.1	5.7	132	91.8	69.37	74.96	1	0	0	0	0	5.60	7.4643687
12286	24/01/2021	5	5.2	5.2.3.2	22011020282507	868	86	41.8	30	4.2	18.6	3.9	126	72.5	57.57	74.94	1	1	1	1	0	17.37	23.17786669
12287	25/01/2021	5	5.2	5.2.3.2	NA	886	13	22.3	30	6.3	5.6	5.1	189	28.6	15.11	75.06	1	1	1	1	1	59.95	79.86699187
12288	25/01/2021	5	5.2	5.2.3.2	NA	894	65	34.1	30	5.6	13.5	4.4	168	59.4	35.36	75.11	1	1	1	1	1	39.75	52.92468025
12289	25/01/2021	5	5.2	5.2.3.2	22011020282534	904	50	31.4	31	4.9	12.5	4.05	152	50.6	33.33	75.17	1	1	1	1	1	41.84	55.66431037

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12290	25/01/2021	5	5.2	5.2.3.2	22010120865249	862	45	36.6	31	6.2	13.9	4.8	192	66.7	34.71	74.90	1	1	1	1	1	40.19	53.65481698
12291	25/01/2021	5	5.2	5.2.3.2	22010120865106	916	65	34.3	31	6.1	13.3	5.03	189	66.9	35.38	75.25	1	1	1	1	1	39.87	52.98560767
12292	25/01/2021	5	5.2	5.2.3.2	22010121065863	934	110	56.5	31	6.5	20	4.8	202	96.0	47.64	75.36	1	1	1	1	1	27.72	36.78290328
12293	25/01/2021	5	5.2	5.2.3.2	2300053554	921	57	46.1	21	5.2	12.5	4.05	109	50.6	46.36	75.28	1	1	1	1	1	28.92	38.4170513
12294	25/01/2021	5	5.2	5.2.3.2	22011020282509	882	18	21	31	2.4	20	1.4	74	28.0	37.63	75.03	1	1	1	1	1	37.40	49.841387
12295	25/01/2021	5	5.2	5.2.3.2	22011020282502	580	57	56.7	17	4.2	11.3	3.7	71	41.8	58.56	73.10	1	1	1	0	0	14.54	19.89189449
12296	25/01/2021	5	5.2	5.2.3.2	22011020282494	534	33	49.3	32	3.6	16.6	3.3	115	54.8	47.55	72.80	1	1	1	1	1	25.25	34.6844341
12297	25/01/2021	5	5.2	5.2.3.2	NA	761	27	39.5	32	4.1	15.5	3.3	131	51.2	38.99	74.26	1	1	1	1	1	35.27	47.49775038
12298	25/01/2021	5	5.2	5.2.3.2	22010122167635	1000	90	49.6	31	6.3	17.9	4.7	195	84.1	43.08	75.79	1	1	1	1	1	32.71	43.15926827
12299	25/01/2021	5	5.2	5.2.3.2	NA	659	7	33.5	30	4.4	13.1	3.5	132	45.9	34.73	73.60	1	1	1	1	1	38.87	52.80822068
12300	25/01/2021	5	5.2	5.2.3.2	NA	1012	47	25.6	31	5.8	11.8	3.8	180	44.8	24.94	75.86	1	1	1	1	1	50.92	67.12641649
12301	25/01/2021	5	5.2	5.2.3.2	22010022167685	989	59	32.2	30	6.09	12.1	4.7	183	56.9	31.13	75.72	1	1	1	1	1	44.59	58.88887961
12302	25/01/2021	5	5.2	5.2.2.1	NA	908	51	31.6	31	5.6	12.6	4.3	174	54.2	31.21	75.20	1	1	1	1	1	43.99	58.49622404
12303	25/01/2021	5	5.2	5.2.2.1	22011012479757	986	66	44.1	21	6.6	13.9	4.4	139	61.2	44.13	75.70	1	1	1	1	1	31.57	41.70530682
12304	25/01/2021	5	5.2	5.2.2.1	22011010873871	989	56	29.8	30	5.7	12	4.4	171	52.8	30.88	75.72	1	1	1	1	1	44.84	59.21950961
12305	25/01/2021	5	5.2	5.2.2.1	NA	1023	86	35.6	31	7.2	13.6	5.9	223	80.2	35.95	75.93	1	1	1	1	1	39.98	52.65599133
12306	25/01/2021	5	5.2	5.2.2.1	22011011174684	1040	83	37.4	31	6.06	18.3	4.5	188	82.4	43.84	76.04	1	1	1	1	1	32.21	42.35312696
12307	25/01/2021	5	5.2	5.2.2.1	22011010672877	1038	81	55.7	30	6.09	13	5.8	183	75.4	41.27	76.03	1	1	1	1	1	34.76	45.71843283
12308	25/01/2021	5	5.2	5.2.2.1	22011010275038	1027	72	33.4	30	6.5	12.8	5.2	195	66.6	34.13	75.96	1	1	1	1	1	41.83	55.06335891
12309	25/01/2021	5	5.2	5.2.2.1	22011010275049	1024	63	31.8	30	6.6	11.8	4.9	198	57.8	29.20	75.94	1	1	1	1	1	46.74	61.54572818
12310	25/01/2021	5	5.2	5.2.2.1	NA	972	109	48.9	30	6.4	20.5	4.7	192	96.4	50.18	75.61	1	1	1	1	1	25.42	33.62727735
12311	25/01/2021	5	5.2	5.2.2.1	22011010278580	1012	49	34.4	30	6.2	13.1	5.06	186	66.3	35.64	75.86	1	1	1	1	1	40.23	53.02357096
12312	25/01/2021	5	5.2	5.2.2.1	220110120480029	773	81	37.4	30	4.6	18.2	2.9	138	52.8	38.25	74.33	1	1	1	1	1	36.09	48.54738285
12313	25/01/2021	5	5.2	5.2.2.1	NA	600	42	39.6	31	3.7	14.4	3.07	115	44.2	38.54	73.23	1	1	1	1	1	34.68	47.36530164
12314	25/01/2021	5	5.2	5.2.2.1	22011011074749	620	118	50.6	31	4.7	21	5.2	146	109.2	74.95	73.35	0	0	0	0	0	-1.59	-2.173738808
12315	25/01/2021	5	5.2	5.2.2.1	22010011174776	630	76	45.5	30	6.7	12.9	5.6	201	72.2	35.94	73.42	1	1	1	1	1	37.48	51.04702048
12316	25/01/2021	5	5.2	5.2.2.1	22011012075040	991	126	56.4	31	6.5	23.7	4.9	202	116.1	57.63	75.73	1	1	1	1	0	18.10	23.89545489
12317	25/01/2021	5	5.2	5.2.2.1	22011012178526	976	134	56.9	30	6.6	21.2	5.4	198	114.5	57.82	75.63	1	1	1	1	0	17.81	23.55368623
12318	25/01/2021	5	5.2	5.2.2.1	NA	944	88	41.8	30	6.4	15	5.6	192	84.0	43.75	75.43	1	1	1	1	1	31.68	41.99735906
12319	25/01/2021	5	5.2	5.2.2.1	NA	972	47	30.2	31	5.9	12.3	4.5	183	55.4	30.26	75.61	1	1	1	1	1	45.34	59.97391969

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12320	25/01/2021	5	5.2	5.2.2.1	NA	695	122	49.8	30	6.2	20.4	4.7	186	95.9	51.55	73.83	1	1	1	1	1	22.29	30.18340182
12321	25/01/2021	5	5.2	5.2.2.1	22011010074344	950	42	39.7	19	4.7	11	3.4	89	37.4	41.88	75.47	1	1	1	1	1	33.58	44.50308882
12322	25/01/2021	5	5.2	5.2.2.1	22011010672862	789	92	43.2	30	5.6	19.3	3.8	168	73.3	43.65	74.44	1	1	1	1	1	30.78	41.35230736
12323	25/01/2021	5	5.2	5.2.2.1	NA	963	77	37.6	31	6.2	14.6	5.05	192	73.7	38.36	75.55	1	1	1	1	1	37.19	49.22370825
12324	25/01/2021	5	5.2	5.2.2.1	22011012074387	977	48	29	32	5.6	18	2.8	179	50.4	28.13	75.64	1	1	1	1	1	47.51	62.81670254
12325	25/01/2021	5	5.2	5.2.2.1	22011010572426	792	82	44.8	31	5.6	16.1	5.02	174	80.8	46.56	74.45	1	1	1	1	1	27.90	37.47018109
12326	25/01/2021	5	5.2	5.2.2.2	22011012881191	697	54	34.8	32	5.2	14.6	4.2	166	61.3	36.85	73.85	1	1	1	1	1	37.00	50.09809289
12327	25/01/2021	5	5.2	5.2.2.3	NA	817	44	31.9	32	5.6	13.2	4.5	179	59.4	33.15	74.61	1	1	1	1	1	41.47	55.57540672
12328	25/01/2021	5	5.2	5.2.2.2	22011020182238	777	11	28.4	31	4.9	12.1	3.7	152	44.8	29.47	74.36	1	1	1	1	1	44.89	60.36334943
12329	25/01/2021	5	5.2	5.2.2.2	NA	619	14	39.8	30	3.8	14.8	3.2	114	47.4	41.54	73.35	1	1	1	1	1	31.80	43.36030129
12330	25/01/2021	5	5.2	5.2.2.2	NA	620	17	39	30	3.3	14.7	2.8	99	41.2	41.58	73.35	1	1	1	1	1	31.78	43.32175808
12331	25/01/2021	5	5.2	5.2.2.2	22011020780807	751	26	43.5	31	2.9	15.5	2.5	90	38.8	43.10	74.19	1	1	1	1	1	31.09	41.90314874
12332	25/01/2021	5	5.2	5.2.2.2	22011012981484	684	30	37.3	30	4	15.6	3.07	120	47.9	39.91	73.76	1	1	1	1	1	33.85	45.89472314
12333	25/01/2021	5	5.2	5.2.2.2	NA	530	103	46.8	30	5.4	20.2	4.1	162	82.8	51.12	72.78	1	1	1	1	1	21.65	29.75424333
12334	25/01/2021	5	5.2	5.2.2.2	NA	816	63	38.7	32	5.8	14.3	4.1	186	58.6	31.59	74.61	1	1	1	1	1	43.02	57.65967417
12335	25/01/2021	5	5.2	5.2.2.2	NA	786	101	44.2	31	5.1	20.2	3.6	158	72.7	46.00	74.42	1	1	1	1	1	28.42	38.19076852
12336	25/01/2021	5	5.2	5.2.2.2	22011022079045	720	127	54.7	31	4.7	22.1	3.7	146	81.8	56.12	73.99	1	1	1	1	0	17.87	24.15308155
12337	25/01/2021	5	5.2	5.2.2.2	-	590	40	45.8	31	3.9	15.9	3.5	121	55.7	46.03	73.16	1	1	1	1	1	27.13	37.0851307
12338	25/01/2021	5	5.2	5.2.2.2	NA	660	61	41.7	30	5.01	15.3	4.3	150	65.8	43.77	73.61	1	1	1	1	1	29.84	40.53463512
12339	25/01/2021	5	5.2	5.2.2.2	NA	791	71	41.3	31	5.09	14.9	4.4	158	65.6	41.55	74.45	1	1	1	1	1	32.90	44.19101807
12340	25/01/2021	5	5.2	5.2.2.2	NA	773	69	34.9	30	4.8	17.6	3.06	144	53.9	37.40	74.33	1	1	1	1	1	36.93	49.68600841
12341	25/01/2021	5	5.2	5.2.2.2	22011012580196	740	49	39.1	31	4.7	14.8	4.01	146	59.3	40.73	74.12	1	1	1	1	1	33.39	45.04598764
12342	25/01/2021	5	5.2	5.2.2.2	22011012279328	695	47	39	32	4.8	15.7	3.8	154	59.7	38.84	73.83	1	1	1	1	1	34.99	47.39395694
12343	25/01/2021	5	5.2	5.2.2.2	22011020282645	723	42	39.2	31	5.03	15.2	4.1	156	62.3	39.97	74.01	1	1	1	1	1	34.05	46.00064353
12344	25/01/2021	5	5.2	5.2.2.2	NA	909	31	37	31	4.8	14.2	4.06	149	57.7	38.74	75.20	1	1	1	1	1	36.46	48.48036044
12345	25/01/2021	5	5.2	5.2.2.2	22011020282641	685	31	37.7	32	4.6	14.4	3.8	147	54.7	37.17	73.77	1	1	1	1	1	36.60	49.60835971
12346	25/01/2021	5	5.2	5.2.2.2	22011011074111	587	32	36.6	32	4.2	15.7	3.6	134	56.5	42.05	73.14	1	1	1	1	1	31.09	42.50483789
12347	25/01/2021	5	5.2	5.2.2.2	22011011275054	583	130	41.6	32	4.4	21.4	3.4	141	72.8	51.68	73.12	1	1	1	1	1	21.44	29.32424058
12348	25/01/2021	5	5.2	5.2.2.2	22011012881189	720	67	67.7	30	5.3	15.8	4.6	159	72.7	45.71	73.99	1	1	1	1	1	28.28	38.22378595
12349	25/01/2021	5	5.2	5.2.2.2	22011011174635	756	46	42.1	32	5.09	14.1	4.1	163	57.8	35.49	74.22	1	1	1	1	1	38.73	52.18231871

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12350	25/01/2021	5	5.1	5.1.3.2	NA	747	119	36.6	32	5.2	21	4.6	166	96.6	58.05	74.17	1	1	1	1	0	16.11	21.72658843
12351	25/01/2021	5	5.1	5.1.3.2	22011010672473	594	49	45.2	30	4.4	13.6	3.6	132	49.0	37.09	73.19	1	1	1	1	1	36.10	49.32077416
12352	25/01/2021	5	5.1	5.1.3.2	NA	567	121	58.6	31	4.3	21.4	3.3	133	70.6	52.98	73.01	1	1	1	1	1	20.04	27.44177268
12353	25/01/2021	5	5.1	5.1.3.2	22010012969930	727	116	42.9	32	5.3	20.5	3.6	170	73.8	43.51	74.04	1	1	1	1	1	30.52	41.22790896
12354	25/01/2021	5	5.1	5.1.3.2	22011026171386	723	51	42.8	32	4.6	15.5	4.1	147	63.6	43.17	74.01	1	1	1	1	1	30.84	41.66911531
12355	25/01/2021	5	5.1	5.1.3.2	22010112969938	668	20	63.5	32	4.9	20.2	4.1	157	82.8	52.82	73.66	1	1	1	1	1	20.84	28.29484511
12356	25/01/2021	5	5.1	5.1.3.2	22010112562246	601	133	20.4	32	4.5	21.6	4.3	144	92.9	64.50	73.23	1	1	0	0	0	8.73	11.92423026
12357	25/01/2021	5	5.1	5.1.3.2	-	685	61	64.4	30	3.9	13.8	3.03	117	41.8	35.74	73.77	1	1	1	1	1	38.03	51.55420694
12358	25/01/2021	5	5.1	5.1.3.2	22011012881166	563	15	47.2	32	4.07	14.3	3.2	130	45.8	35.14	72.99	1	1	1	1	1	37.85	51.86255619
12359	25/01/2021	5	5.1	5.1.3.2	NA	573	13	36	29	4	14.2	2.9	116	41.2	35.50	73.05	1	1	1	1	1	37.55	51.40527725
12360	25/01/2021	5	5.1	5.1.3.2	22011012881163	576	20	18.2	30	2.1	20.4	1.4	63	28.6	45.33	73.07	1	1	1	1	1	27.74	37.9610724
12361	25/01/2021	5	5.1	5.1.3.2	22011012881167	975	89	43.9	31	6.6	23.3	6.07	205	141.4	69.13	75.63	1	0	0	0	0	6.50	8.595442112
12362	25/01/2021	5	5.1	5.1.3.2	22011012881180	948	50	30.6	32	5.5	15.7	4.2	176	65.9	37.47	75.45	1	1	1	1	1	37.99	50.34550014
12363	25/01/2021	5	5.1	5.1.3.2	2300053584	591	9	38.4	30	3.5	12.7	2.8	105	35.6	33.87	73.17	1	1	1	1	1	39.30	53.71408058
12364	25/01/2021	5	5.1	5.1.3.2	2300053608	533	96	29.2	30	3.7	14.5	1.9	111	27.6	24.82	72.80	1	1	1	1	1	47.98	65.90552958
12365	25/01/2021	5	5.1	5.1.3.2	22011112881177	972	62	47.5	21	5.6	17.6	4.6	118	81.0	68.84	75.61	1	0	0	0	0	6.76	8.945309926
12366	25/01/2021	5	5.1	5.1.3.2	22011012881011	924	89	37.3	31	6.2	12.6	4.05	192	51.0	26.55	75.30	1	1	1	1	1	48.75	64.74022669
12367	25/01/2021	5	5.1	5.1.3.2	22011122869291	807	47	33.6	29	5.3	18.5	4.1	154	75.9	49.35	74.55	1	1	1	1	1	25.20	33.80435634
12368	25/01/2021	5	5.1	5.1.3.2	NA	920	52	30.9	30	5.5	12.6	4.4	165	55.4	33.60	75.27	1	1	1	1	1	41.67	55.36307357
12369	25/01/2021	5	5.1	5.1.3.2	22010123869246	857	86	41.5	31	6.2	12.3	5.4	192	66.4	34.56	74.87	1	1	1	1	1	40.31	53.84348459
12370	25/01/2021	5	5.1	5.1.3.2	NA	942	55	30.6	30	5.7	15.3	4.5	171	68.9	40.26	75.41	1	1	1	1	1	35.15	46.61106587
12371	25/01/2021	5	5.1	5.1.3.2	22011123070330	956	59	30.2	32	5.7	12.4	4.5	182	55.8	30.59	75.50	1	1	1	1	1	44.91	59.48301654
12372	25/01/2021	5	5.1	5.1.3.2	22011012881161	935	34	25.6	31	4.7	12.9	3.3	146	42.6	29.22	75.37	1	1	1	1	1	46.15	61.23448275
12373	25/01/2021	5	5.1	5.1.3.2	22010020188994	989	63	35.1	31	6.02	11.4	4.8	187	54.7	29.32	75.72	1	1	1	1	1	46.39	61.27400943
12374	25/01/2021	5	5.3	5.3.6.1	NA	639	20	20.4	31	1.4	13.7	1	43	13.7	31.57	73.48	1	1	1	1	1	41.91	57.03768288
12375	25/01/2021	5	5.3	5.3.6.1	2300056847	658	82	51.2	32	4.1	15	3.3	131	49.5	37.73	73.60	1	1	1	1	1	35.87	48.73628543
12376	25/01/2021	5	5.3	5.3.6.1	2300056345	511	22	41.6	31	3.8	15.3	3.2	118	49.0	41.56	72.66	1	1	1	1	1	31.09	42.79654726
12377	25/01/2021	5	5.3	5.3.6.1	2300056343	724	97	31.4	32	5.2	12	4	166	48.0	28.85	74.02	1	1	1	1	1	45.17	61.02903306
12378	25/01/2021	5	5.3	5.3.6.1	2300056210	747	41	28	31	5.08	12.2	3.6	157	43.9	27.89	74.17	1	1	1	1	1	46.28	62.39657666
12379	25/01/2021	5	5.3	5.3.6.1	2300053227	858	44	24.4	30	3.4	13.6	2.8	102	38.1	37.33	74.88	1	1	1	1	1	37.54	50.14058574

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12380	25/01/2021	5	5.3	5.3.6.1	NA	961	76	36.1	30	6.4	13.8	5.3	192	73.1	38.09	75.54	1	1	1	1	1	37.44	49.56901573
12381	25/01/2021	5	5.3	5.3.6.1	2300056222	960	47	29.1	30	5.3	11.9	3.9	159	46.4	29.19	75.53	1	1	1	1	1	46.34	61.35485338
12382	25/01/2021	5	5.3	5.3.6.1	2300056179	951	66	33.6	31	6.2	12.9	5.07	192	65.4	34.03	75.47	1	1	1	1	1	41.44	54.91250308
12383	25/01/2021	5	5.3	5.3.6.1	2300055932	953	47	30.1	31	5.9	11.2	4	183	44.8	24.49	75.49	1	1	1	1	1	50.99	67.55091176
12384	25/01/2021	5	5.3	5.3.6.1	2300053628	925	74	35.6	30	6.5	13	5.3	195	68.9	35.33	75.31	1	1	1	1	1	39.97	53.08032118
12385	25/01/2021	5	5.3	5.3.6.1	2300056230	927	115	44.2	31	6.6	21.9	4.2	205	92.0	44.96	75.32	1	1	1	1	1	30.36	40.31236327
12386	25/01/2021	5	5.3	5.3.6.1	2300056213	931	107	46.5	31	5.9	22.4	3.9	183	87.4	47.76	75.34	1	1	1	1	1	27.58	36.60603129
12387	25/01/2021	5	5.3	5.3.6.1	2300053626	933	48	30.1	31	4.7	12.3	3.4	146	41.8	28.70	75.36	1	1	1	1	1	46.65	61.91098661
12388	25/01/2021	5	5.3	5.3.6.1	2300056181	976	120	22.5	31	6.6	20.4	5.3	205	108.1	52.84	75.63	1	1	1	1	1	22.79	30.12971322
12389	25/01/2021	5	5.3	5.3.6.1	NA	978	126	21.2	31	5.9	6.3	6.3	183	39.7	21.70	75.65	1	1	1	1	1	53.94	71.31294157
12390	25/01/2021	5	5.3	5.3.6.1	2300056221	982	79	35.5	30	6.7	13.6	5.4	201	73.4	36.54	75.67	1	1	1	1	1	39.13	51.7154392
12391	25/01/2021	5	5.3	5.3.6.1	2300056344	883	89	55.7	22	6.5	14.7	5.5	143	80.9	56.54	75.04	1	1	1	1	0	18.50	24.65275685
12392	25/01/2021	5	5.3	5.3.6.1	2300056340	885	127	58	30	6.4	22	5.3	192	116.6	60.73	75.05	1	1	1	0	0	14.32	19.0817233
12393	25/01/2021	5	5.3	5.3.6.1	2300056346	889	20	20	30	2.4	18.2	2.1	72	38.2	53.08	75.08	1	1	1	1	1	21.99	29.29349438
12394	25/01/2021	5	5.3	5.3.6.1	2300056215	890	21	28	30	2.1	20.2	2	63	40.4	64.13	75.08	1	1	0	0	0	10.96	14.59073529
12395	25/01/2021	5	5.3	5.3.6.1	2300056214	983	74	36.5	30	6.2	13.5	5.1	186	68.9	37.02	75.68	1	1	1	1	1	38.66	51.08681474
12396	25/01/2021	5	5.3	5.3.6.1	2300056231	997	79	34.6	30	6.8	13	5.6	204	72.8	35.69	75.77	1	1	1	1	1	40.08	52.89985256
12397	25/01/2021	5	5.3	5.3.6.1	NA	1003	102	48.3	30	7.2	19.8	4.8	216	95.0	44.00	75.81	1	1	1	1	1	31.81	41.95648847
12398	25/01/2021	5	5.3	5.3.2.2	2300053596	990	96	40.3	30	7.1	14.4	6.2	213	89.3	41.92	75.72	1	1	1	1	1	33.81	44.64555485
12399	25/01/2021	5	5.3	5.3.2.4	NA	980	10	20	30	2.4	21	1.4	72	29.4	40.83	75.66	1	1	1	1	1	34.82	46.0290606
12400	25/01/2021	5	5.3	5.3.2.2	2300050678	963	135	60.6	31	6.2	24	4.9	192	117.6	61.19	75.55	1	1	1	0	0	14.36	19.01136702
12401	25/01/2021	5	5.3	5.3.2.2	2300053535	967	73	33.2	30	6.8	12.7	5.5	204	69.9	34.24	75.57	1	1	1	1	1	41.33	54.69363322
12402	25/01/2021	5	5.3	5.3.2.2	2300053545	959	96	41	30	7.04	14.7	6.1	211	89.7	42.46	75.52	1	1	1	1	1	33.07	43.78262376
12403	25/01/2021	5	5.3	5.3.2.2	2300053620	712	56	44.4	30	4.7	15	4.3	141	64.5	45.74	73.94	1	1	1	1	1	28.20	38.13504378
12404	25/01/2021	5	5.3	5.3.2.2	2300053627	940	76	38.5	30	5.5	14.3	4.5	165	64.4	39.00	75.40	1	1	1	1	1	36.40	48.27723403
12405	25/01/2021	5	5.3	5.3.2.2	2300053633	930	40	20.6	30	6.5	6.8	6.1	195	41.5	21.27	75.34	1	1	1	1	1	54.07	71.76485323
12406	25/01/2021	5	5.3	5.3.2.2	2300053631	974	47	28	29	6.4	12.2	4.5	186	54.9	29.58	75.62	1	1	1	1	1	46.04	60.88349928
12407	25/01/2021	5	5.3	5.3.2.2	2300053550	1005	87	38.4	30	6.7	14.5	5.6	201	81.2	40.40	75.82	1	1	1	1	1	35.42	46.71712529
12408	25/01/2021	5	5.3	5.3.2.2	2300053546	989	85	38.4	30	6.7	14.1	5.7	201	80.4	39.99	75.72	1	1	1	1	1	35.73	47.19044077
12409	25/01/2021	5	5.3	5.3.2.2	NA	1008	91	39.7	30	6.9	14.4	5.9	207	85.0	41.04	75.84	1	1	1	1	1	34.79	45.87949151

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12410	25/01/2021	5	5.3	5.3.2.2	2300052175	1004	86	37	30	6.9	13.7	5.8	207	79.5	38.39	75.81	1	1	1	1	1	37.43	49.36596322
12411	25/01/2021	5	5.3	5.3.2.2	2300050895	995	89	59	30	7.4	14.3	6.3	222	90.1	40.58	75.75	1	1	1	1	1	35.17	46.43044449
12412	25/01/2021	5	5.3	5.3.2.2	2300053629	958	27	20.2	29	5.5	6.5	5.7	160	37.1	23.23	75.52	1	1	1	1	1	52.29	69.24033184
12413	25/01/2021	5	5.3	5.3.2.2	2300053629	661	10	18.5	20	2.4	2.4	1.9	48	4.6	9.50	73.62	1	1	1	1	1	64.12	87.09526682
12414	25/01/2021	5	5.3	5.3.2.2	2300053630	938	79	37.2	31	6.6	14.2	5.3	205	75.3	36.78	75.39	1	1	1	1	1	38.61	51.20790681
12415	25/01/2021	5	5.3	5.3.2.2	2300053632	642	125	60.4	29	4.8	20.1	4.3	139	86.4	62.09	73.49	1	1	1	0	0	11.40	15.51712877
12416	25/01/2021	5	5.3	5.3.2.2	2300053548	629	90	44.8	27	4.04	14.2	3.5	109	49.7	45.56	73.41	1	1	1	1	1	27.85	37.93502713
12417	25/01/2021	5	5.3	5.3.2.2	2300053636	641	41	43.7	30	4.2	15	3.8	126	57.0	45.24	73.49	1	1	1	1	1	28.25	38.44185581
12418	25/01/2021	5	5.3	5.3.2.2	2300053544	641	129	56.1	30	4.3	21.4	3.5	129	74.9	58.06	73.49	1	1	1	1	0	15.43	20.99159118
12419	25/01/2021	5	5.3	5.3.2.2	2300050108	639	86	58.5	20	4.1	14.7	3.4	82	50.0	60.95	73.48	1	1	1	0	0	12.52	17.04563214
12420	25/01/2021	5	5.3	5.3.2.2	NA	627	40	42.8	31	4.5	15.3	4.03	140	61.7	44.20	73.40	1	1	1	1	1	29.20	39.78103184
12421	25/01/2021	5	5.3	5.3.2.2	22011011275212	622	88	48.6	22	4.2	15	3.1	92	46.5	50.32	73.37	1	1	1	1	1	23.04	31.40674621
12422	25/01/2021	5	5.3	5.3.2.2	22011012790809	629	14	26.8	30	3.9	6.9	3.6	117	24.8	21.23	73.41	1	1	1	1	1	52.18	71.07981677
12423	25/01/2021	5	5.4	5.4.6.1	NA	630	96	63.3	20	4.2	15.3	3.7	84	56.6	67.39	73.42	1	0	0	0	0	6.03	8.20662897
12424	25/01/2021	5	5.4	5.4.6.1	2300056111	632	117	50.2	30	4.2	20.7	3.2	126	66.2	52.57	73.43	1	1	1	1	1	20.86	28.40684213
12425	25/01/2021	5	5.4	5.4.6.1	2300056997	630	80	54.4	30	4.4	14.1	3.7	132	52.2	39.52	73.42	1	1	1	1	1	33.90	46.16752394
12426	25/01/2021	5	5.4	5.4.6.1	2300056049	622	125	52.4	30	4.3	21	3.3	129	69.3	53.72	73.37	1	1	1	1	1	19.65	26.77760209
12427	25/01/2021	5	5.4	5.4.6.1	2300057013	621	32	30.3	30	3.8	13.1	3	114	39.3	34.47	73.36	1	1	1	1	1	38.89	53.00777503
12428	25/01/2021	5	5.4	5.4.6.1	2300056152	616	77	36.5	30	5.1	17.6	4.2	153	73.9	48.31	73.33	1	1	1	1	1	25.01	34.11321468
12429	25/01/2021	5	5.4	5.4.6.1	NA	614	42	21	30	4.3	7	3.9	129	27.3	21.16	73.32	1	1	1	1	1	52.15	71.13466889
12430	25/01/2021	5	5.4	5.4.6.1	2300056966	600	134	44.4	30	4.1	21.5	3.2	123	68.8	55.93	73.23	1	1	1	1	0	17.29	23.61325301
12431	25/01/2021	5	5.4	5.4.6.1	NA	528	128	26.9	29	3.7	21.4	3.3	107	70.6	65.82	72.77	1	0	0	0	0	6.95	9.550897073
12432	25/01/2021	5	5.4	5.4.6.1	2300056981	596	51	44.5	29	3.7	16.3	3.01	107	49.1	45.73	73.20	1	1	1	1	1	27.48	37.53439886
12433	25/01/2021	5	5.4	5.4.6.1	2300056561	603	136	63.9	29	3.8	22.4	3.2	110	71.7	65.05	73.25	1	1	0	0	0	8.20	11.19503797
12434	25/01/2021	5	5.4	5.4.6.1	2300056546	605	45	46.5	31	4.3	15.2	3.9	133	59.3	44.47	73.26	1	1	1	1	1	28.79	39.29520629
12435	25/01/2021	5	5.4	5.4.6.1	2300056475	598	100	63.5	24	4.3	16.6	3.9	103	64.7	62.73	73.21	1	1	0	0	0	10.48	14.31523531
12436	25/01/2021	5	5.4	5.4.6.1	2300057006	602	23	39.7	30	3.9	14.9	3.2	117	47.7	40.75	73.24	1	1	1	1	1	32.49	44.35717577
12437	25/01/2021	5	5.4	5.4.6.1	2300057069	601	12	31.4	30	3.9	12.3	3.1	117	38.1	32.59	73.23	1	1	1	1	1	40.64	55.49818989
12438	25/01/2021	5	5.4	5.4.6.1	2300057008	600	22	38.7	31	3.9	15.2	3.1	121	47.1	38.97	73.23	1	1	1	1	1	34.25	46.77524517
12439	25/01/2021	5	5.4	5.4.6.1	2300057011	589	68	54.9	22	3.8	14.3	3.3	84	47.2	56.45	73.16	1	1	1	1	0	16.71	22.83930633

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12440	25/01/2021	5	5.4	5.4.6.1	2300056912	598	94	59.1	20	3.8	15.1	3.1	76	46.8	61.59	73.21	1	1	1	0	0	11.62	15.87295015
12441	25/01/2021	5	5.4	5.4.6.1	2300056996	580	90	56.5	20	3.9	14.6	3.2	78	46.7	59.90	73.10	1	1	1	0	0	13.20	18.05872131
12442	25/01/2021	5	5.4	5.4.6.1	2300056994	564	14	41.5	29	4.06	14.5	3.5	118	50.8	43.10	73.00	1	1	1	1	1	29.89	40.9506213
12443	25/01/2021	5	5.4	5.4.6.1	2300056096	515	69	46.9	31	4.1	18.1	3.4	127	61.5	48.42	72.68	1	1	1	1	1	24.26	33.38299984
12444	25/01/2021	5	5.4	5.4.6.1	2300056166	529	44	48	20	3.3	12.4	2.5	66	31.0	46.97	72.77	1	1	1	1	1	25.80	35.45600623
12445	25/01/2021	5	5.4	5.4.6.1	2300057001	576	17	16.7	30	2.09	13.5	1.2	63	16.2	25.84	73.07	1	1	1	1	1	47.24	64.64147808
12446	25/01/2021	5	5.4	5.4.6.1	2300048768	954	122	47.8	33	6.7	21.7	4.8	221	104.2	47.11	75.49	1	1	1	1	1	28.38	37.59583183
12447	25/01/2021	5	5.4	5.4.6.2	2300056360	947	47	28.1	32	5.3	11.6	4.06	170	47.1	27.77	75.45	1	1	1	1	1	47.68	63.19410774
12448	25/01/2021	5	5.4	5.4.6.2	2300057072	933	73	35.6	32	6.2	13.8	5.1	198	70.4	35.47	75.36	1	1	1	1	1	39.88	52.92581157
12449	25/01/2021	5	5.4	5.4.6.2	2300057007	949	89	45.3	28	6.2	14.8	5.9	174	87.3	50.30	75.46	1	1	1	1	1	25.16	33.34242539
12450	25/01/2021	5	5.4	5.4.6.2	2300056505	956	118	51.6	32	6.4	20.4	5.1	205	104.0	50.80	75.50	1	1	1	1	1	24.70	32.71811808
12451	25/01/2021	5	5.4	5.4.6.2	2300056551	958	75	36.9	30	6.1	13.8	5.1	183	70.4	38.46	75.52	1	1	1	1	1	37.06	49.07250746
12452	25/01/2021	5	5.4	5.4.6.2	2300056638	951	62	33.7	31	5.1	12.9	4.6	158	59.3	37.53	75.47	1	1	1	1	1	37.94	50.26896345
12453	25/01/2021	5	5.4	5.4.6.2	2300057065	929	57	32.4	31	5.5	12.5	4.5	171	56.3	32.99	75.33	1	1	1	1	1	42.34	56.2053609
12454	25/01/2021	5	5.4	5.4.6.2	2300056686	968	76	33.2	31	6.1	14	5.5	189	77.0	40.72	75.58	1	1	1	1	1	34.86	46.12523195
12455	25/01/2021	5	5.4	5.4.6.2	2300056480	958	80	36.9	30	6.6	13.8	5.5	198	75.9	38.33	75.52	1	1	1	1	1	37.18	49.23893718
12456	25/01/2021	5	5.4	5.4.6.2	NA	940	97	42.8	31	6.7	15.1	6.07	208	91.7	44.13	75.40	1	1	1	1	1	31.27	41.47434588
12457	25/01/2021	5	5.4	5.4.6.2	NA	940	31	29.8	32	5.02	7.1	4.5	161	32.0	19.89	75.40	1	1	1	1	1	55.51	73.62245932
12458	25/01/2021	5	5.4	5.4.6.2	NA	942	63	35.5	30	5.6	13	4.6	168	59.8	35.60	75.41	1	1	1	1	1	39.82	52.80072599
12459	25/01/2021	5	5.4	5.4.6.2	NA	978	84	38	30	6.7	14	5.7	201	79.8	39.70	75.65	1	1	1	1	1	35.94	47.51617745
12460	25/01/2021	5	5.4	5.4.6.2	NA	972	26	29.3	30	3.7	13.8	1.6	111	22.1	19.89	75.61	1	1	1	1	1	55.71	73.69034017
12461	25/01/2021	5	5.4	5.4.6.2	2300056556	975	90	41.2	21	6.4	13.5	4.4	134	59.4	44.20	75.63	1	1	1	1	1	31.43	41.55921433
12462	25/01/2021	5	5.4	5.4.6.2	2300056685	677	26	29.6	31	4.03	12.6	3.07	125	38.7	30.96	73.72	1	1	1	1	1	42.76	57.99858483
12463	25/01/2021	5	5.4	5.4.6.2	2300056558	753	16	27.8	31	4.6	12.6	3.3	143	41.6	29.16	74.21	1	1	1	1	1	45.05	60.70560382
12464	25/01/2021	5	5.4	5.4.6.2	2300056543	786	11	34	32	3.5	14	2.6	112	36.4	32.50	74.42	1	1	1	1	1	41.92	56.32683118
12465	25/01/2021	5	5.4	5.4.6.2	NA	690	13.6	27.4	31	4.6	12.1	3.3	143	39.9	28.00	73.80	1	1	1	1	1	45.80	62.05874837
12466	25/01/2021	5	5.4	5.4.6.2	2300057003	775	69	41	32	5.1	15.3	4.4	163	67.3	41.25	74.35	1	1	1	1	1	33.10	44.5161811
12467	25/01/2021	5	5.4	5.4.6.2	2300056506	704	25	29.2	30	4.7	12.3	3.5	141	43.1	30.53	73.89	1	1	1	1	1	43.36	58.68012752
12468	25/01/2021	5	5.4	5.4.6.2	2300056481	789	49	34.9	31	5.5	14.2	4.3	171	61.1	35.81	74.44	1	1	1	1	1	38.62	51.88818695
12469	25/01/2021	5	5.4	5.4.6.2	2300056702	809	92	44.3	32	5.1	19.2	3.8	163	73.0	44.71	74.56	1	1	1	1	1	29.86	40.04328875

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12470	25/01/2021	5	5.4	5.4.2	2300056639	820	89	51.2	32	5.6	15	4.8	179	72.0	40.18	74.63	1	1	1	1	1	34.46	46.16586083
12471	25/01/2021	5	5.6	5.6.2.1	2300046062	822	78	36.2	31	5.3	18.2	3.4	164	61.9	37.66	74.65	1	1	1	1	1	36.98	49.54530947
12472	25/01/2021	5	5.6	5.6.2.1	2300056831	824	91	36.2	29	5.3	15.7	4.5	154	70.7	45.97	74.66	1	1	1	1	1	28.69	38.43234111
12473	25/01/2021	5	5.6	5.6.2.1	2300046470	825	115	59.6	22	5.5	20.8	4.3	121	89.4	73.92	74.67	0	0	0	0	0	0.75	1.002658008
12474	25/01/2021	5	5.6	5.6.2.1	2300046460	826	69	51.4	31	5.2	15.7	4.4	161	69.1	42.85	74.67	1	1	1	1	1	31.82	42.61119501
12475	25/01/2021	5	5.6	5.6.2.1	2300051914	837	69	41.3	30	5	14.9	4.9	150	73.0	48.67	74.74	1	1	1	1	1	26.07	34.87890026
12476	25/01/2021	5	5.6	5.6.2.1	2300051575	839	57	39.5	31	4.8	12.9	3.8	149	49.0	32.94	74.76	1	1	1	1	1	41.81	55.9316648
12477	25/01/2021	5	5.6	5.6.2.1	2300052003	948	122	46.8	22	5.6	22.1	3.9	123	86.2	69.96	75.45	1	0	0	0	0	5.49	7.281048936
12478	25/01/2021	5	5.6	5.6.2.1	2300051017	955	20	20.1	32	1.4	20.2	1	45	20.2	45.09	75.50	1	1	1	1	1	30.41	40.27750972
12479	25/01/2021	5	5.6	5.6.2.1	2300051911	825	89	62.8	32	6.2	15.3	5.4	198	82.6	41.64	74.67	1	1	1	1	1	33.02	44.22743262
12480	25/01/2021	5	5.6	5.6.2.1	2300051990	518	18	20.4	32	1.9	18.9	1.4	61	26.5	43.52	72.70	1	1	1	1	1	29.18	40.13890164
12481	25/01/2021	5	5.6	5.6.2.1	2300051871	580	46	40.1	22	4.5	12.3	3.3	99	40.6	41.00	73.10	1	1	1	1	1	32.10	43.91091412
12482	25/01/2021	5	5.6	5.6.2.1	2300045949	995	23	28.5	28	4.3	11.5	3.1	120	35.7	29.61	75.75	1	1	1	1	1	46.14	60.91343751
12483	25/01/2021	5	5.6	5.6.2.1	2300046013	822	47	35.2	30	5.01	13.4	4.07	150	54.5	36.29	74.65	1	1	1	1	1	38.36	51.38961821
12484	25/01/2021	5	5.6	5.6.2.1	2300045998	838	82	41.7	31	5.2	18.2	3.7	161	67.3	41.77	74.75	1	1	1	1	1	32.98	44.11419313
12485	25/01/2021	5	5.6	5.6.2.1	NA	835	47	41.2	22	4.6	12.1	3.5	101	42.4	41.85	74.73	1	1	1	1	1	32.88	44.00130324
12486	25/01/2021	5	5.6	5.6.2.1	NA	847	48	34.2	30	5.2	13.1	4.2	156	55.0	35.27	74.81	1	1	1	1	1	39.54	52.85290807
12487	25/01/2021	5	5.6	5.6.2.1	2300051899	854	36	28.3	30	5.2	11.9	3.7	156	44.0	28.22	74.85	1	1	1	1	1	46.63	62.29291161
12488	25/01/2021	5	5.6	5.6.2.1	2300051983	831	69	35.8	31	5.9	13.8	4.9	183	67.6	36.97	74.70	1	1	1	1	1	37.73	50.51024783
12489	25/01/2021	5	5.6	5.6.2.1	2300051972	886	25	35.9	19	3.6	9.4	2.6	68	24.4	35.73	75.06	1	1	1	1	1	39.33	52.39447382
12490	25/01/2021	5	5.6	5.6.2.1	2300052435	881	63	34.8	31	6.05	13.5	4.8	188	64.8	34.55	75.02	1	1	1	1	1	40.47	53.94726721
12491	25/01/2021	5	5.6	5.6.2.1	2300051613	885	35	28.6	30	4.8	11.7	3.6	144	42.1	29.25	75.05	1	1	1	1	1	45.80	61.02598268
12492	25/01/2021	5	5.6	5.6.2.1	2300046061	867	96	44.7	30	5.5	19.7	3.9	165	76.8	46.56	74.93	1	1	1	1	1	28.37	37.86113213
12493	25/01/2021	5	5.6	5.6.2.1	2300056815	871	41	33	30	4.5	22.4	3.5	135	78.4	58.07	74.96	1	1	1	1	0	16.89	22.52699549
12494	25/01/2021	5	5.6	5.6.2.1	2300056749	616	130	61.5	30	6.1	22.4	5.3	183	118.7	64.87	73.33	1	1	0	0	0	8.45	11.52907067
12495	25/01/2021	5	5.6	5.6.2.2	2300056634	880	82	39.9	32	6.3	14.8	5.4	202	79.9	39.64	75.02	1	1	1	1	1	35.38	47.15553981
12496	25/01/2021	5	5.6	5.6.2.2	2300056986	889	113	50.3	31	5.9	20.2	4.7	183	94.9	51.91	75.08	1	1	1	1	1	23.17	30.85883226
12497	25/01/2021	5	5.6	5.6.2.2	2300056499	869	89	62	21	6.2	14.9	5.5	130	82.0	62.94	74.95	1	1	1	0	0	12.01	16.01915436
12498	25/01/2021	5	5.6	5.6.2.2	2300056567	847	22	24.7	30	3.8	11.6	2.6	114	30.2	26.46	74.81	1	1	1	1	1	48.35	64.63404349
12499	25/01/2021	5	5.6	5.6.2.2	2300056989	890	87	42	32	6.2	15.23	5.5	198	83.8	42.22	75.08	1	1	1	1	1	32.86	43.76779775

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12500	25/01/2021	5	5.6	5.6.2.2	2300056953	989	65	32.4	30	6.1	12.5	4.8	183	60.0	32.79	75.72	1	1	1	1	1	42.93	56.69731833
12501	25/01/2021	5	5.6	5.6.2.2	2300056483	960	58	32.6	29	5.6	13	4.2	162	54.6	33.62	75.53	1	1	1	1	1	41.91	55.48697252
12502	25/01/2021	5	5.6	5.6.2.2	NA	1007	7	5.9	26	5.7	12.4	4.5	148	55.8	37.65	75.83	1	1	1	1	1	38.18	50.34758718
12503	25/01/2021	5	5.6	5.6.2.2	2300056472	1009	77	36.2	32	6.2	14.3	5.1	198	72.9	36.76	75.84	1	1	1	1	1	39.08	51.53305937
12504	25/01/2021	5	5.6	5.6.2.2	2300056635	867	77	50.8	22	6.4	13.6	5.3	141	72.1	51.19	74.93	1	1	1	1	1	23.74	31.68303403
12505	25/01/2021	5	5.6	5.6.2.2	2300056452	529	57	30.3	31	5.6	12.9	4.3	174	55.5	31.95	72.77	1	1	1	1	1	40.82	56.09171026
12506	25/01/2021	5	5.6	5.6.2.2	2300056985	530	54	29.3	30	5.5	12	4.2	165	50.4	30.55	72.78	1	1	1	1	1	42.23	58.02927458
12507	25/01/2021	5	5.6	5.6.2.2	2300056634	983	52	29.1	31	5.4	11.8	4.8	167	56.6	33.84	75.68	1	1	1	1	1	41.84	55.2901991
12508	25/01/2021	5	5.6	5.6.2.2	2300056479	996	63	36	30	5.9	14.4	4.7	177	67.7	38.24	75.76	1	1	1	1	1	37.52	49.52866123
12509	25/01/2021	5	5.6	5.6.2.2	2300056979	992	65	39.4	25	5.9	12.7	4.8	148	61.0	41.33	75.73	1	1	1	1	1	34.41	45.42956004
12510	25/01/2021	5	5.6	5.6.2.2	2300056487	997	86	36.8	30	6.9	14	5.7	207	79.8	38.55	75.77	1	1	1	1	1	37.22	49.11923872
12511	25/01/2021	5	5.6	5.6.2.2	2300056575	989	118	49.2	30	6.9	21.6	5.04	207	108.9	52.59	75.72	1	1	1	1	1	23.12	30.54099241
12512	25/01/2021	5	5.6	5.6.2.2	2300057050	1027	92	38.2	31	6.9	19.5	4.3	214	83.9	39.20	75.96	1	1	1	1	1	36.76	48.39233768
12513	25/01/2021	5	5.6	5.6.2.2	2300056690	974	78	56	31	6.4	14	5.2	198	72.8	36.69	75.62	1	1	1	1	1	38.93	51.47614059
12514	25/01/2021	5	5.6	5.6.2.2	2300056983	947	126	53	31	6.4	21	5.2	198	109.2	55.04	75.45	1	1	1	1	1	20.41	27.04750555
12515	25/01/2021	5	5.6	5.6.2.2	2300056973	941	77	50.7	21	3.5	13.9	2.7	74	37.5	51.06	75.41	1	1	1	1	1	24.35	32.28708673
12516	25/01/2021	5	5.6	5.6.2.2	2300056984	996	93	39.1	31	6	14.5	5.9	186	85.6	45.99	75.76	1	1	1	1	1	29.77	39.28936007
12517	25/01/2021	5	5.6	5.6.2.2	2300056570	762	26	29.2	20	5	6	5.03	100	30.2	30.18	74.26	1	1	1	1	1	44.08	59.36054121
12518	25/01/2021	5	5.6	5.6.1.1	2300056456	753	16	70.1	30	2.9	23.7	2.6	87	61.6	70.83	74.21	0	0	0	0	0	3.38	4.551721164
12519	25/01/2021	5	5.6	5.6.1.1	2300056555	590	39	34.2	31	4.8	14	3.8	149	53.2	35.75	73.16	1	1	1	1	1	37.41	51.13216127
12520	25/01/2021	5	5.6	5.6.1.1	2300056548	770	116	25.9	30	3.7	11.8	2.4	111	28.3	25.51	74.31	1	1	1	1	1	48.80	65.66795824
12521	25/01/2021	5	5.6	5.6.1.1	2300056545	725	28	32.6	32	5.05	13.5	3.8	162	51.3	31.75	74.03	1	1	1	1	1	42.28	57.11635168
12522	25/01/2021	5	5.6	5.6.1.1	2300053221	717	11	31.1	31	4.1	12.6	3.2	127	40.3	31.72	73.97	1	1	1	1	1	42.25	57.11640624
12523	25/01/2021	5	5.6	5.6.1.1	2300053222	544	17	32.7	32	4.4	13.7	3.3	141	45.2	32.11	72.87	1	1	1	1	1	40.76	55.9346335
12524	25/01/2021	5	5.6	5.6.1.1	2300053181	712	14	28.3	32	3.7	11.9	2.8	118	33.3	28.14	73.94	1	1	1	1	1	45.80	61.94099778
12525	26/01/2021	5	5.6	5.6.1.1	2300053180	608	64	51.4	25	4.1	14.4	3.6	103	51.8	50.58	73.28	1	1	1	1	1	22.70	30.98042808
12526	26/01/2021	5	5.6	5.6.1.1	2300053186	701	69	31.9	32	4.3	18	2.4	138	43.2	31.40	73.87	1	1	1	1	1	42.48	57.50057012
12527	26/01/2021	5	5.6	5.6.1.1	2300053182	729	19	31.2	33	4.8	12.6	3.7	158	46.6	29.43	74.05	1	1	1	1	1	44.62	60.25498682
12528	26/01/2021	5	5.6	5.6.1.1	2300053185	722	82	53.9	21	5.1	14	4.2	107	58.8	54.90	74.01	1	1	1	1	1	19.10	25.8149781
12529	26/01/2021	5	5.6	5.6.1.1	2300052231	712	90	40.5	32	4.7	18.8	3.2	150	60.2	40.00	73.94	1	1	1	1	1	33.94	45.9041313

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12530	26/01/2021	5	5.6	5.6.1.1	2300052813	705	61	47.8	21	4.3	13	3.3	90	42.9	47.51	73.90	1	1	1	1	1	26.39	35.71097236
12531	26/01/2021	5	5.6	5.6.1.1	2300053188	691	25	35.7	21	4.2	13.6	3.5	88	47.6	53.97	73.81	1	1	1	1	1	19.84	26.88060713
12532	26/01/2021	5	5.6	5.6.1.1	2300053187	687	136	43.6	31	4.4	22.4	3.3	136	73.9	54.19	73.78	1	1	1	1	1	19.59	26.54988915
12533	26/01/2021	5	5.6	5.6.1.1	2300053183	682	80	58.6	21	4	14.5	3.5	84	50.8	60.42	73.75	1	1	1	0	0	13.33	18.07998467
12534	26/01/2021	5	5.6	5.6.1.1	2300053175	665	35	38.6	31	4.4	14.3	3.7	136	52.9	38.79	73.64	1	1	1	1	1	34.85	47.325816
12535	26/01/2021	5	5.6	5.6.1.1	2300053177	667	56	47.9	21	4.1	12.5	3.2	86	40.0	46.46	73.65	1	1	1	1	1	27.20	36.92521406
12536	26/01/2021	5	5.6	5.6.1.1	2300053167	666	96	41.4	31	4.4	18.8	3.05	136	57.3	42.04	73.65	1	1	1	1	1	31.61	42.92052079
12537	26/01/2021	5	5.6	5.6.1.1	2300053223	706	16	20.4	30	2.4	20.2	2.1	72	42.4	58.92	73.90	1	1	1	1	0	14.99	20.27989312
12538	26/01/2021	5	5.6	5.6.1.1	2300056470	668	56	44.1	28	4.6	15.1	3.9	129	58.9	45.72	73.66	1	1	1	1	1	27.94	37.92926305
12539	26/01/2021	5	5.6	5.6.1.1	2300056553	668	47	42.7	31	4	12.5	3.04	124	38.0	30.65	73.66	1	1	1	1	1	43.02	58.39714627
12540	26/01/2021	5	5.6	5.6.1.1	2300057037	661	34	36.2	31	4.4	14.8	3.3	136	48.8	35.81	73.62	1	1	1	1	1	37.81	51.36076796
12541	26/01/2021	5	5.6	5.6.1.1	2300057000	657	113	47.8	30	4.02	21	2.8	121	58.8	48.76	73.59	1	1	1	1	1	24.83	33.74685571
12542	26/01/2021	6	6.1	6.1.2.1	2300057699	652	70	49.8	23	4.1	14.2	3.3	94	46.9	49.69	73.56	1	1	1	1	1	23.87	32.44523995
12543	26/01/2021	6	6.1	6.1.2.1	2300057725	633	26	39	30	4.2	14.4	3.6	126	51.8	41.14	73.44	1	1	1	1	1	32.29	43.97545502
12544	26/01/2021	6	6.1	6.1.2.1	2300057703	632	20	35.9	30	4.3	11	3.4	129	37.4	28.99	73.43	1	1	1	1	1	44.44	60.51759199
12545	26/01/2021	6	6.1	6.1.2.1	2300057745	635	71	39.3	30	3.9	17.4	2.7	117	47.0	40.15	73.45	1	1	1	1	1	33.30	45.3317275
12546	26/01/2021	6	6.1	6.1.2.1	2300057771	632	29	37.4	30	4.2	14.2	3.4	126	48.3	38.32	73.43	1	1	1	1	1	35.11	47.81827201
12547	26/01/2021	6	6.1	6.1.2.1	2300057766	629	97	43	30	4.2	19.2	3	126	57.6	45.71	73.41	1	1	1	1	1	27.70	37.72879802
12548	26/01/2021	6	6.1	6.1.2.1	2300057695	568	17	36	31	3.3	13.1	2.6	102	34.1	33.29	73.02	1	1	1	1	1	39.73	54.4047035
12549	26/01/2021	6	6.1	6.1.2.1	2300057719	605	12	13.3	31	0.6	7.41	0.3	19	2.2	11.95	73.26	1	1	1	1	1	61.31	83.68558669
12550	26/01/2021	6	6.1	6.1.2.1	2300050897	610	42	32.4	27	4.1	12.3	3.1	111	38.1	34.44	73.29	1	1	1	1	1	38.85	53.0025318
12551	26/01/2021	6	6.1	6.1.2.1	2300057101	626	46	44	20	3.9	12	3.05	78	36.6	46.92	73.39	1	1	1	1	1	26.47	36.06548236
12552	26/01/2021	6	6.1	6.1.2.1	2300057958	628	88	43.1	31	4.2	18.7	3.1	130	58.0	44.52	73.41	1	1	1	1	1	28.88	39.34515603
12553	26/01/2021	6	6.1	6.1.2.1	2300057735	632	34	38.7	29	3.7	15	2.9	107	43.5	40.54	73.43	1	1	1	1	1	32.89	44.79082273
12554	26/01/2021	6	6.1	6.1.2.1	2300057728	620	80	55.2	31	3.9	14.2	3.2	121	45.4	37.58	73.35	1	1	1	1	1	35.77	48.76246584
12555	26/01/2021	6	6.1	6.1.2.1	2300056988	607	108	48.5	31	4	22.2	3.03	124	67.3	54.25	73.27	1	1	1	1	1	19.02	25.96399358
12556	26/01/2021	6	6.1	6.1.2.1	2300057693	850	48	34.8	32	5	13.9	3.9	160	54.2	33.88	74.83	1	1	1	1	1	40.94	54.71995028
12557	26/01/2021	6	6.1	6.1.2.1	2300057660	836	72	50	22	5.4	13.7	4.2	119	57.5	48.43	74.74	1	1	1	1	1	26.30	35.19310077
12558	26/01/2021	6	6.1	6.1.2.1	2300057771	848	50	33	32	5.3	13.3	4.2	170	55.9	32.94	74.81	1	1	1	1	1	41.88	55.97525469
12559	26/01/2021	6	6.1	6.1.2.1	NA	858	51	36.4	31	4.9	13.1	4.2	152	55.0	36.22	74.88	1	1	1	1	1	38.66	51.62586454

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12560	26/01/2021	6	6.1	6.1.2.1	2300057700	873	63	37.5	31	4.5	17.8	3	140	53.4	38.28	74.97	1	1	1	1	1	36.69	48.94232887
12561	26/01/2021	6	6.1	6.1.2.1	2300057756	899	29	29.4	23	5.2	6.6	5.1	120	33.7	28.14	75.14	1	1	1	1	1	47.00	62.54463331
12562	26/01/2021	6	6.1	6.1.2.1	2300057701	869	61	32.4	31	5.01	17.8	2.8	155	49.8	32.09	74.95	1	1	1	1	1	42.86	57.18254168
12563	26/01/2021	6	6.1	6.1.2.1	2300057099	904	37	28.5	29	5	12	3.4	145	40.8	28.14	75.17	1	1	1	1	1	47.03	62.56840212
12564	26/01/2021	6	6.1	6.1.2.1	2300057694	912	89	42.7	32	5.2	18.3	3.8	166	69.5	41.79	75.22	1	1	1	1	1	33.43	44.44388485
12565	26/01/2021	6	6.1	6.1.2.1	2300057655	912	50	32.2	32	6.4	12.6	4.2	205	52.9	25.84	75.22	1	1	1	1	1	49.38	65.64892061
12566	26/01/2021	6	6.1	6.1.2.2	2300057111	903	48	32.2	32	6.3	12.3	4.3	202	52.9	26.24	75.17	1	1	1	1	1	48.93	65.09672156
12567	26/01/2021	6	6.1	6.1.2.2	2300057724	901	60	48.6	21	5.9	13.5	3.8	124	51.3	41.40	75.15	1	1	1	1	1	33.75	44.90613959
12568	26/01/2021	6	6.1	6.1.2.2	2300057455	991	44	33.3	30	5.3	12.4	3.9	159	48.4	30.42	75.73	1	1	1	1	1	45.31	59.83660775
12569	26/01/2021	6	6.1	6.1.2.2	2300057710	895	57	43.7	21	4.6	12.7	3.8	97	48.3	49.96	75.11	1	1	1	1	1	25.16	33.48963957
12570	26/01/2021	6	6.1	6.1.2.2	2300057740	821	64	39	30	5.4	17.3	3.2	162	55.4	34.17	74.64	1	1	1	1	1	40.47	54.21669832
12571	26/01/2021	6	6.1	6.1.2.2	2300048146	882	58	35.4	32	5.3	13.5	4.4	170	59.4	35.02	75.03	1	1	1	1	1	40.01	53.32105628
12572	26/01/2021	6	6.1	6.1.2.2	2300046662	883	78	40	32	5.3	18.5	3.5	170	64.8	38.18	75.04	1	1	1	1	1	36.86	49.12114786
12573	26/01/2021	6	6.1	6.1.2.2	2300056828	891	62	37.4	27	5.08	14.2	4.3	137	61.1	44.52	75.09	1	1	1	1	1	30.57	40.7134098
12574	26/01/2021	6	6.1	6.1.2.2	2300056604	895	46	31.7	30	5.4	12.7	3.9	162	49.5	30.57	75.11	1	1	1	1	1	44.54	59.29643732
12575	26/01/2021	6	6.1	6.1.2.2	2300056814	896	63	37	31	4.6	13.7	4.6	143	63.0	44.19	75.12	1	1	1	1	1	30.93	41.16971104
12576	26/01/2021	6	6.1	6.1.2.2	2300056816	889	35	28.3	31	4.8	11.3	3.5	149	39.6	26.58	75.08	1	1	1	1	1	48.50	64.59661851
12577	26/01/2021	6	6.1	6.1.2.2	2300056811	930	125	52.9	32	5.9	20.8	4.5	189	93.6	49.58	75.34	1	1	1	1	1	25.76	34.19486688
12578	26/01/2021	6	6.1	6.1.2.2	2300056795	916	54	35.4	31	5.1	13.6	4.1	158	55.8	35.27	75.25	1	1	1	1	1	39.98	53.13014336
12579	26/01/2021	6	6.1	6.1.2.2	2300056826	921	102	44.3	32	5.5	20.4	3.8	176	77.5	44.05	75.28	1	1	1	1	1	31.23	41.49147116
12580	26/01/2021	6	6.1	6.1.2.2	2300045121	694	15	29	31	2.2	9.1	2.2	68	20.0	29.35	73.83	1	1	1	1	1	44.47	60.23866588
12581	26/01/2021	6	6.1	6.1.2.2	2300047320	980	80	40.3	32	6.08	15	5.2	195	78.0	40.09	75.66	1	1	1	1	1	35.57	47.01094329
12582	26/01/2021	6	6.1	6.1.2.2	NA	901	57	40.9	25	5.3	13	4.3	133	55.9	42.19	75.15	1	1	1	1	1	32.96	43.86249907
12583	26/01/2021	6	6.1	6.1.2.2	2300056835	912	77	36	32	5.8	18	3.7	186	66.6	35.88	75.22	1	1	1	1	1	39.34	52.29688247
12584	26/01/2021	6	6.1	6.1.2.2	2300057721	909	28	32.9	21	3.7	11	2.3	78	25.3	32.56	75.20	1	1	1	1	1	42.64	56.70269434
12585	26/01/2021	6	6.1	6.1.2.2	2300057110	909	86	37.7	32	5.7	18.1	3.8	182	68.8	37.71	75.20	1	1	1	1	1	37.50	49.85834011
12586	26/01/2021	6	6.1	6.1.2.2	2300057702	893	38	37	21	4.4	11.1	3.1	92	34.4	37.24	75.10	1	1	1	1	1	37.86	50.41322943
12587	26/01/2021	6	6.1	6.1.2.2	2300057702	886	89	67.3	21	5.8	15.8	5.6	122	88.5	72.64	75.06	0	0	0	0	0	2.41	3.214545114
12588	26/01/2021	6	6.1	6.1.2.2	2300057696	897	102	43.8	31	6.9	19.9	6.2	214	123.4	57.68	75.13	1	1	1	1	0	17.45	23.22159413
12589	26/01/2021	6	6.1	6.1.2.2	2300057742	902	46	36.8	22	5.2	11.6	3.6	114	41.8	36.50	75.16	1	1	1	1	1	38.66	51.43150702

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12590	26/01/2021	6	6.1	6.1.4.1	NA	909	84	35.8	32	5.8	19.6	3.4	186	66.6	35.91	75.20	1	1	1	1	1	39.30	52.2560457
12591	26/01/2021	6	6.1	6.1.4.1	2300052240	912	29	25.1	30	4.5	11.6	2.9	135	33.6	24.92	75.22	1	1	1	1	1	50.30	66.87371579
12592	26/01/2021	6	6.1	6.1.4.1	2300057089	923	56	28.7	31	5.1	18	2.5	158	45.0	28.46	75.29	1	1	1	1	1	46.83	62.19711992
12593	26/01/2021	6	6.1	6.1.4.1	2300053801	933	38	32.9	31	4.9	13	3.8	152	49.4	32.52	75.36	1	1	1	1	1	42.84	56.8436783
12594	26/01/2021	6	6.1	6.1.4.1	2300053390	554	26	48.8	23	2.6	13.4	2.1	60	28.1	47.06	72.93	1	1	1	1	1	25.87	35.47809703
12595	26/01/2021	6	6.1	6.1.4.1	2300052413	541	76	52.6	20	4.7	13.6	3.8	94	51.7	54.98	72.85	1	1	1	1	0	17.87	24.52995069
12596	26/01/2021	6	6.1	6.1.4.1	NA	934	56	33.7	31	5.5	13.5	4.1	171	55.4	32.46	75.36	1	1	1	1	1	42.90	56.92437316
12597	26/01/2021	6	6.1	6.1.4.1	NA	936	40	30.3	28	4.7	11.7	3.5	132	41.0	31.12	75.38	1	1	1	1	1	44.26	58.7178198
12598	26/01/2021	6	6.1	6.1.4.1	NA	940	33	26.7	30	4.3	11.4	3.68	129	42.0	32.52	75.40	1	1	1	1	1	42.88	56.86993683
12599	26/01/2021	6	6.1	6.1.4.1	2300057045	974	93	43.9	31	6.1	20.3	4.1	189	83.2	44.01	75.62	1	1	1	1	1	31.61	41.79584481
12600	26/01/2021	6	6.1	6.1.4.1	2300056969	987	105	49.4	31	6.8	20.5	4.8	211	98.4	46.68	75.70	1	1	1	1	1	29.02	38.33871813
12601	26/01/2021	6	6.1	6.1.4.1	2300056957	997	34	28.3	21	5.1	6.7	4.8	107	32.2	30.03	75.77	1	1	1	1	1	45.74	60.36785082
12602	26/01/2021	6	6.1	6.1.4.1	2300056906	962	18	19.6	29	4.8	6.2	4.6	139	28.5	20.49	75.54	1	1	1	1	1	55.05	72.87828126
12603	26/01/2021	6	6.1	6.1.4.1	2300053724	954	117	44.8	29	5.9	18.2	5.08	171	92.5	54.04	75.49	1	1	1	1	1	21.46	28.42086256
12604	26/01/2021	6	6.1	6.1.4.1	2300053791	1017	44	29.8	29	5.1	11.5	4.6	148	52.9	35.77	75.89	1	1	1	1	1	40.13	52.87238334
12605	26/01/2021	6	6.1	6.1.4.1	2300051355	944	94	38.7	31	7.2	14.5	6.08	223	88.2	39.50	75.43	1	1	1	1	1	35.93	47.63427726
12606	26/01/2021	6	6.1	6.1.4.1	NA	989	80	35.9	30	6.7	13.5	5.5	201	74.3	36.94	75.72	1	1	1	1	1	38.78	51.21177339
12607	26/01/2021	6	6.1	6.1.4.1	2300053392	522	35	44.3	30	4.2	14.9	3.7	126	55.1	43.75	72.73	1	1	1	1	1	28.97	39.8379026
12608	26/01/2021	6	6.1	6.1.4.1	2300053389	544	49	44.4	30	4.4	15.3	4	132	61.2	46.36	72.87	1	1	1	1	1	26.50	36.37276874
12609	26/01/2021	6	6.1	6.1.4.1	2300053384	941	62	36.9	30	5.5	15	4.2	165	63.0	38.18	75.41	1	1	1	1	1	37.23	49.3666247
12610	26/01/2021	6	6.1	6.1.4.1	2300056971	668	58	46.8	20	4.6	12.6	3.5	92	44.1	47.93	73.66	1	1	1	1	1	25.73	34.92533028
12611	26/01/2021	6	6.1	6.1.4.1	2300052257	961	83	38.3	31	4.1	18.1	2.7	127	48.9	38.45	75.54	1	1	1	1	1	37.09	49.09733673
12612	26/01/2021	6	6.1	6.1.4.1	2300052230	951	30	31.9	20	2.4	20.1	3.9	48	78.4	163.31	75.47	1	1	1	1	1	-87.84	-116.3870501
12613	26/01/2021	6	6.1	6.1.4.1	2300052258	992	65	35.4	30	5.7	13.8	4.6	171	63.5	37.12	75.73	1	1	1	1	1	38.61	50.98315831
12614	26/01/2021	6	6.1	6.1.4.3	2300057080	987	64	34.6	30	5.8	12.9	4.7	174	60.6	34.84	75.70	1	1	1	1	1	40.86	53.97154717
12615	26/01/2021	6	6.1	6.1.4.3	2300056970	1036	84	46.1	30	5.2	19.2	4.1	156	78.7	50.46	76.02	1	1	1	1	1	25.55	33.6175635
12616	26/01/2021	6	6.1	6.1.4.3	2300053795	1025	89	40.6	30	6.7	14.3	5.8	201	82.9	41.26	75.95	1	1	1	1	1	34.68	45.66707714
12617	26/01/2021	6	6.1	6.1.4.3	NA	1036	71	39.2	29	5.8	17.8	3.8	168	67.6	40.21	76.02	1	1	1	1	1	35.80	47.09821707
12618	26/01/2021	6	6.1	6.1.4.3	2300053802	1014	80	46.9	20	6.5	14.4	5.3	130	76.3	58.71	75.88	1	1	1	1	0	17.17	22.62638805
12619	26/01/2021	6	6.1	6.1.4.3	2300053391	715	40	25.9	29	4.6	11.4	3.1	133	35.3	26.49	73.96	1	1	1	1	1	47.47	64.18193921

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12620	26/01/2021	6	6.1	6.1.4.3	2300053798	702	20	34.8	28	4.3	12.5	3.5	120	43.8	36.34	73.88	1	1	1	1	1	37.54	50.81510622
12621	26/01/2021	6	6.1	6.1.4.3	2300053803	700	44	28.3	29	4.8	12	3.5	139	42.0	30.17	73.87	1	1	1	1	1	43.69	59.15250075
12622	26/01/2021	6	6.1	6.1.4.3	2300053343	990	64	49.9	30	6.82	12.8	4.8	205	61.4	30.03	75.72	1	1	1	1	1	45.69	60.34266724
12623	26/01/2021	6	6.1	6.1.4.3	2300051358	550	92	46.5	29	3.8	18.7	2.8	110	52.4	47.51	72.91	1	1	1	1	1	25.39	34.8289419
12624	26/01/2021	6	6.1	6.1.4.3	2300051357	1061	134	54	31	7.8	22	6.2	242	136.4	56.41	76.18	1	1	1	1	1	19.77	25.94785733
12625	26/01/2021	6	6.1	6.1.4.3	NA	1089	97	39.2	31	7.2	14.7	6.1	223	89.7	40.17	76.36	1	1	1	1	1	36.18	47.38469584
12626	26/01/2021	6	6.1	6.1.4.3	2300057022	1064	116	50	31	7.2	20	5.7	223	114.0	51.08	76.20	1	1	1	1	1	25.12	32.96821756
12627	26/01/2021	6	6.1	6.1.4.3	2300053386	1089	77	34.1	30	6.5	13.3	5.2	195	69.2	35.47	76.36	1	1	1	1	1	40.89	53.55066732
12628	26/01/2021	6	6.1	6.1.4.3	2300053799	777	13	31.9	29	3.9	12.4	3.02	113	37.4	33.11	74.36	1	1	1	1	1	41.25	55.47195266
12629	26/01/2021	6	6.1	6.1.4.3	2300053786	1054	89	38.5	30	6.9	14	5.8	207	81.2	39.23	76.13	1	1	1	1	1	36.90	48.47467656
12630	26/01/2021	6	6.1	6.1.4.3	2300052720	1044	61	28.6	30	6.06	11.6	4.6	182	53.4	29.35	76.07	1	1	1	1	1	46.72	61.4146692
12631	26/01/2021	6	6.1	6.1.4.3	2300052831	693	88	48.7	20	6.1	13.1	4.8	122	62.9	51.54	73.82	1	1	1	1	1	22.28	30.18132514
12632	26/01/2021	6	6.1	6.1.4.3	2300056972	1084	57	29.4	30	6.3	16.3	3.5	189	57.1	30.19	76.32	1	1	1	1	1	46.14	60.45104635
12633	26/01/2021	6	6.1	6.1.4.3	2300052652	1008	33	178	30	4.4	6	4.1	132	24.6	18.64	75.84	1	1	1	1	1	57.20	75.42582844
12634	26/01/2021	6	6.1	6.1.4.3	2300052278	1090	70	44.3	24	6.2	13.5	5.7	149	77.0	51.71	76.36	1	1	1	1	1	24.65	32.27821472
12635	26/01/2021	6	6.1	6.1.4.3	2300056965	586	62	33.8	29	5.6	12.6	4.7	162	59.2	36.47	73.14	1	1	1	1	1	36.67	50.14039898
12636	26/01/2021	6	6.1	6.1.4.3	2300057066	998	138	58.9	32	8.1	23.5	6.5	259	152.8	58.93	75.77	1	1	1	1	0	16.84	22.22668812
12637	26/01/2021	6	6.1	6.1.4.3	NA	1035	89	36.9	30	2.4	14.8	6.1	72	90.3	125.39	76.01	1	1	1	1	1	-49.38	-64.96367437
12638	26/01/2021	6	6.1	6.1.4.2	NA	625	93	57.5	21	4.1	14.8	3.4	86	50.3	58.44	73.39	1	1	1	1	0	14.94	20.36128124
12639	26/01/2021	6	6.1	6.1.4.2	2300056959	1088	100	47.9	32	6.6	20.1	5.1	211	102.5	48.54	76.35	1	1	1	1	1	27.81	36.42771395
12640	26/01/2021	6	6.1	6.1.4.2	2300056898	703	10	46.1	31	6.7	20.7	4.5	208	93.2	44.85	73.89	1	1	1	1	1	29.04	39.29996948
12641	26/01/2021	6	6.1	6.1.4.2	2300070083	1025	80	50	22	6.7	14.5	5.3	147	76.9	52.14	75.95	1	1	1	1	1	23.81	31.34985113
12642	26/01/2021	6	6.1	6.1.4.2	2300056904	1018	19	42.6	12	3.3	7.5	2.4	40	18.0	45.45	75.90	1	1	1	1	1	30.45	40.11353516
12643	26/01/2021	6	6.1	6.1.4.2	NA	1014	127	57	31	6.7	23.3	5.2	208	121.2	58.33	75.88	1	1	1	1	0	17.54	23.11871567
12644	26/01/2021	6	6.1	6.1.4.2	2300040770	989	45	25	30	5.5	11.8	3.6	165	42.5	25.75	75.72	1	1	1	1	1	49.97	65.99715971
12645	26/01/2021	6	6.1	6.1.4.2	2300043416	996	47	26.4	30	5.4	11.5	3.9	162	44.9	27.69	75.76	1	1	1	1	1	48.08	63.45691788
12646	26/01/2021	6	6.1	6.1.4.2	2300052271	995	49	24	30	6.2	11.7	3.9	186	45.6	24.53	75.75	1	1	1	1	1	51.22	67.61589082
12647	26/01/2021	6	6.1	6.1.4.2	2300052829	993	59	26.9	31	5.7	11.5	4.1	177	47.2	26.68	75.74	1	1	1	1	1	49.06	64.76997381
12648	26/01/2021	6	6.1	6.1.4.2	2300053484	997	26	24.2	21	4.6	6	4.09	97	24.5	25.40	75.77	1	1	1	1	1	50.36	66.47116322
12649	26/01/2021	6	6.1	6.1.4.2	2300051237	989	57	8.5	30	6.1	11.5	4.7	183	54.1	29.54	75.72	1	1	1	1	1	46.18	60.99150092

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12650	26/01/2021	6	6.1	6.1.4.2	NA	1009	60	31.8	29	5.9	12	4.6	171	55.2	32.26	75.84	1	1	1	1	1	43.58	57.46267954
12651	26/01/2021	6	6.1	6.1.4.2	NA	1017	65	32.6	30	6.1	17.8	3.5	183	62.3	34.04	75.89	1	1	1	1	1	41.85	55.14354627
12652	26/01/2021	6	6.1	6.1.4.2	2300051221	1003	65	33.2	29	6.1	13.3	4.6	177	61.2	34.58	75.81	1	1	1	1	1	41.22	54.37712581
12653	26/01/2021	6	6.1	6.1.4.2	2300044738	1004	24	20.9	29	3.6	9.6	2.3	104	22.1	21.15	75.81	1	1	1	1	1	54.66	72.10265278
12654	26/01/2021	6	6.1	6.1.4.2	2300052273	993	48	28	29	5.4	11.7	3.9	157	45.6	29.14	75.74	1	1	1	1	1	46.60	61.52961528
12655	26/01/2021	6	6.1	6.1.4.2	NA	1003	64	32.1	30	5.9	13	4.6	177	59.8	33.79	75.81	1	1	1	1	1	42.02	55.43140743
12656	26/01/2021	6	6.1	6.1.4.2	NA	1008	51	27.1	30	5.6	11.7	4.05	168	47.4	28.21	75.84	1	1	1	1	1	47.63	62.80801883
12657	26/01/2021	6	6.1	6.1.4.2	2300052835	986	89	36.6	30	7.2	15.9	6.6	216	104.9	48.58	75.70	1	1	1	1	1	27.11	35.81817189
12658	26/01/2021	6	6.1	6.1.4.2	2300053599	987	82	40.5	30	6.7	14	5.7	201	79.8	39.70	75.70	1	1	1	1	1	36.00	47.55611082
12659	26/01/2021	6	6.1	6.1.4.2	2300052691	671	62	47.5	21	5.6	13.8	4.3	118	59.3	50.46	73.68	1	1	1	1	1	23.22	31.51613771
12660	26/01/2021	6	6.1	6.1.4.2	2300052409	654	85	53.6	22	6.3	14.8	5.08	139	75.2	54.25	73.57	1	1	1	1	1	19.33	26.26868215
12661	26/01/2021	6	6.1	6.1.4.2	2300057071	909	20	22.4	30	2.4	13.3	1.5	72	20.0	27.71	75.20	1	1	1	1	1	47.50	63.15557589
12662	26/01/2021	6	6.1	6.1.4.4	NA	862	97	54.7	23	5.8	15.4	5.06	133	77.9	58.41	74.90	1	1	1	1	0	16.49	22.01387251
12663	26/01/2021	6	6.1	6.1.4.4	2300057029	889	58	46.1	21	5.6	12.2	4.5	118	54.9	46.68	75.08	1	1	1	1	1	28.39	37.81778172
12664	26/01/2021	6	6.1	6.1.4.4	2300056907	1020	86	39.1	32	7.1	15.3	5.9	227	90.3	39.73	75.91	1	1	1	1	1	36.18	47.66246794
12665	26/01/2021	6	6.1	6.1.4.4	2300056897	651	42	52.7	19	3.02	13.1	2.3	57	30.1	52.51	73.55	1	1	1	1	1	21.04	28.60928369
12666	26/01/2021	6	6.1	6.1.4.4	2300051219	1010	89	34.3	31	6.7	13.4	5.5	208	73.7	35.48	75.85	1	1	1	1	1	40.37	53.21836392
12667	26/01/2021	6	6.1	6.1.4.4	2300051220	1009	60	30.8	30	5.9	12.4	4.5	177	55.8	31.53	75.84	1	1	1	1	1	44.32	58.43364011
12668	26/01/2021	6	6.1	6.1.4.4	2300051225	1006	122	53.5	31	6.7	21.9	5.2	208	113.9	54.83	75.82	1	1	1	1	1	21.00	27.6893976
12669	26/01/2021	6	6.1	6.1.4.4	NA	1000	33	37.5	19	4.2	10.8	2.9	80	31.3	39.25	75.79	1	1	1	1	1	36.54	48.21191209
12670	26/01/2021	6	6.1	6.1.4.4	2300044739	889	71	34.2	30	6.3	13.5	4.9	189	66.2	35.00	75.08	1	1	1	1	1	40.08	53.38032596
12671	26/01/2021	6	6.1	6.1.4.4	2300052408	975	62	35.7	27	5.8	12.8	4.6	157	58.9	37.60	75.63	1	1	1	1	1	38.03	50.28300017
12672	26/01/2021	6	6.1	6.1.4.4	2300040260	844	40	40.5	19	4.3	11.2	3.3	82	37.0	45.24	74.79	1	1	1	1	1	29.55	39.51045616
12673	26/01/2021	6	6.1	6.1.4.4	2300051243	669	90	45.9	30	5.7	19.1	4.3	171	82.1	48.03	73.67	1	1	1	1	1	25.64	34.802763
12674	26/01/2021	6	6.1	6.1.4.4	2300051238	980	67	47.6	21	6.08	12.8	4.8	128	61.4	48.12	75.66	1	1	1	1	1	27.54	36.39760402
12675	26/01/2021	6	6.1	6.1.4.4	2300051234	984	70	32.5	30	6.9	12.4	5.3	207	65.7	31.75	75.68	1	1	1	1	1	43.93	58.05063148
12676	26/01/2021	6	6.1	6.1.4.4	2300043995	990	59	35.3	30	6	13.4	4.8	180	64.3	35.73	75.72	1	1	1	1	1	39.99	52.8098395
12677	26/01/2021	6	6.1	6.1.4.4	2300052664	984	74	38.4	30	5.8	17	3.8	174	64.6	37.13	75.68	1	1	1	1	1	38.56	50.94520242
12678	26/01/2021	6	6.1	6.1.4.4	2300051231	1034	51	26.8	30	5.6	11.3	4.1	168	46.3	27.58	76.00	1	1	1	1	1	48.43	63.71569116
12679	26/01/2021	6	6.1	6.1.4.4	2300051227	1019	60	29.4	30	6.08	11.7	4.7	182	55.0	30.15	75.91	1	1	1	1	1	45.76	60.28325712

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12680	26/01/2021	6	6.1	6.1.4.4	NA	1034	46	35.5	23	5.3	10.9	3.9	122	42.5	34.87	76.00	1	1	1	1	1	41.13	54.11684894
12681	26/01/2021	6	6.1	6.1.4.4	2300051217	993	63	28.8	30	6.2	11.6	4.8	186	55.7	29.94	75.74	1	1	1	1	1	45.81	60.47661792
12682	26/01/2021	6	6.1	6.1.4.4	2300056992	760	76	47.3	32	5.1	15.5	4.7	163	72.9	44.64	74.25	1	1	1	1	1	29.61	39.88083449
12683	26/01/2021	6	6.1	6.1.4.4	2300057091	722	60	41.2	32	5.1	15.4	4.4	163	67.8	41.52	74.01	1	1	1	1	1	32.49	43.89757719
12684	26/01/2021	6	6.1	6.1.4.4	2300056968	722	57	42.4	32	4.9	15.1	4.3	157	64.9	41.41	74.01	1	1	1	1	1	32.60	44.04644063
12685	26/01/2021	6	6.1	6.1.4.4	2300052832	725	50	39.8	31	5.1	14.3	4.4	158	62.9	39.80	74.03	1	1	1	1	1	34.23	46.23835347
12686	26/01/2021	6	6.5	6.5.1.2	2300048503	854	57	50.7	19	5.2	11.9	4.03	99	48.0	48.54	74.85	1	1	1	1	1	26.31	35.15238995
12687	26/01/2021	6	6.5	6.5.1.2	2300047629	807	113	47.7	31	5.2	20.3	4.4	161	89.3	55.41	74.55	1	1	1	1	1	19.14	25.6756074
12688	26/01/2021	6	6.5	6.5.1.2	2300045341	865	71	39.1	30	5.2	14	4.3	156	60.2	38.59	74.92	1	1	1	1	1	36.33	48.49344173
12689	26/01/2021	6	6.5	6.5.1.2	-	864	87	42.4	31	5.3	18.9	3.7	164	69.9	42.56	74.92	1	1	1	1	1	32.35	43.18621772
12690	26/01/2021	6	6.5	6.5.1.2	230004885	861	57	37.3	31	5.07	14	4.1	157	57.4	36.52	74.90	1	1	1	1	1	38.38	51.23802404
12691	26/01/2021	6	6.5	6.5.1.2	2300056147	867	102	51.4	31	5.2	20.2	4.1	161	82.8	51.38	74.93	1	1	1	1	1	23.56	31.43750138
12692	26/01/2021	6	6.5	6.5.1.2	2300056515	879	38	37.3	20	4.2	11.6	2.8	84	32.5	38.67	75.01	1	1	1	1	1	36.34	48.45241714
12693	26/01/2021	6	6.5	6.5.1.2	2300056520	882	62	36.4	30	5.4	16.9	3.5	162	59.2	36.51	75.03	1	1	1	1	1	38.52	51.33685676
12694	26/01/2021	6	6.5	6.5.1.2	2300056228	889	49	40.9	22	4.8	11.1	3.6	106	40.0	37.84	75.08	1	1	1	1	1	37.23	49.59626151
12695	26/01/2021	6	6.5	6.5.1.2	2300046040	885	80	39.7	30	5.5	18.7	3.7	165	69.2	41.93	75.05	1	1	1	1	1	33.12	44.12613813
12696	26/01/2021	6	6.5	6.5.1.2	2300056518	887	48	44.4	20	4.5	21.1	3.4	90	71.7	79.71	75.06	1	0	0	0	0	-4.65	-6.192562909
12697	26/01/2021	6	6.5	6.5.1.2	2300048047	886	90	43.6	30	5.4	19.6	3.6	162	70.6	43.56	75.06	1	1	1	1	1	31.50	41.96956481
12698	26/01/2021	6	6.5	6.5.1.2	2300048446	883	49	39.6	23	4.8	12.5	3.7	110	46.3	41.89	75.04	1	1	1	1	1	33.14	44.17020366
12699	26/01/2021	6	6.5	6.5.1.2	2300056589	882	47	32.2	29	5.5	12.1	4.3	160	52.0	32.62	75.03	1	1	1	1	1	42.41	56.52360143
12700	26/01/2021	6	6.5	6.5.1.2	2300046447	886	62	45.1	23	5.3	13.1	4.2	122	55.0	45.14	75.06	1	1	1	1	1	29.92	39.86474591
12701	26/01/2021	6	6.5	6.5.1.2	2300056544	822	73	36.3	30	4.9	17.5	3.1	147	54.3	36.90	74.65	1	1	1	1	1	37.74	50.56082524
12702	26/01/2021	6	6.5	6.5.1.2	2300056616	865	39	34.6	23	4.6	11.2	3.3	106	37.0	34.93	74.92	1	1	1	1	1	39.99	53.37305807
12703	26/01/2021	6	6.5	6.5.1.2	-	917	56	33	30	5.7	12.9	4.9	171	63.2	36.96	75.25	1	1	1	1	1	38.29	50.8803262
12704	26/01/2021	6	6.5	6.5.1.2	-	808	31	32.5	28	5.1	12.1	4.05	143	49.0	34.32	74.56	1	1	1	1	1	40.24	53.97194786
12705	26/01/2021	6	6.5	6.5.1.2	2300047624	896	43	30.8	28	5.2	11.7	4.01	146	46.9	32.22	75.12	1	1	1	1	1	42.90	57.10457574
12706	26/01/2021	6	6.5	6.5.1.2	2300046557	751	15	31.1	27	3.1	12.1	2.2	84	26.6	31.80	74.19	1	1	1	1	1	42.39	57.13299189
12707	26/01/2021	6	6.5	6.5.1.2	-	840	14	28.8	27	3.2	10.9	2.1	86	22.9	26.49	74.76	1	1	1	1	1	48.27	64.56347402
12708	26/01/2021	6	6.5	6.5.1.2	2300045856	840	20	19.4	30	1.4	20.2	1	42	20.2	48.10	74.76	1	1	1	1	1	26.67	35.66887176
12709	26/01/2021	6	6.5	6.5.1.2	2300045683	920	20	26	30	5.2	20.5	5.2	156	106.6	68.33	75.27	1	0	0	0	0	6.94	9.220536529

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12710	26/01/2021	6	6.4	6.4.2.1	2300046368	930	59	50	30	2.4	23.4	5.2	72	121.7	169.00	75.34	1	1	1	1	1	-93.66	-124.3223871
12711	26/01/2021	6	6.4	6.4.2.1	2300052764	920	112	62	30	6.4	20.4	1.4	192	28.6	14.88	75.27	1	1	1	1	1	60.40	80.2388607
12712	26/01/2021	6	6.4	6.4.2.1	2300052753	1001	98	62	21	7.09	15.1	6.2	149	93.6	62.88	75.79	1	1	1	0	0	12.91	17.03833731
12713	26/01/2021	6	6.4	6.4.2.1	2300046381	1005	63	32	32	5.6	16.8	3.4	179	57.1	31.88	75.82	1	1	1	1	1	43.94	57.95853227
12714	26/01/2021	6	6.4	6.4.2.1	-	1003	48	47	15	6.3	8.6	5.3	95	45.6	48.23	75.81	1	1	1	1	1	27.57	36.37269708
12715	26/01/2021	6	6.4	6.4.2.2	NA	989	68	52	18	6.6	11	5.8	119	63.8	53.70	75.72	1	1	1	1	1	22.01	29.07181122
12716	26/01/2021	6	6.4	6.4.2.1	2300052771	954	36	39.9	30	4.6	14.5	3.9	138	56.6	40.98	75.49	1	1	1	1	1	34.51	45.71811848
12717	26/01/2021	6	6.4	6.4.2.1	2300051952	947	89	44.1	30	5.4	18.6	3.8	162	70.7	43.63	75.45	1	1	1	1	1	31.82	42.17166317
12718	26/01/2021	6	6.4	6.4.2.1	2300042084	628	107	50.8	30	6.2	19.5	4.9	186	95.6	51.37	73.41	1	1	1	1	1	22.03	30.01726343
12719	26/01/2021	6	6.4	6.4.2.1	2300042333	936	20	20.4	30	2.4	20.2	1.4	72	28.3	39.28	75.38	1	1	1	1	1	36.10	47.8911466
12720	26/01/2021	6	6.4	6.4.2.1	-	525	46	54.6	30	3.2	21.7	2.4	96	52.1	54.25	72.75	1	1	1	1	1	18.50	25.42545295
12721	26/01/2021	6	6.4	6.4.2.1	2300051141	530	20	18.4	30	2.4	18.5	1	72	18.5	25.69	72.78	1	1	1	1	1	47.08	64.69476429
12722	26/01/2021	6	6.4	6.4.2.1	2300052752	733	102	51	29	5.6	20.5	4.4	162	90.2	55.54	74.08	1	1	1	1	1	18.54	25.02163699
12723	26/01/2021	6	6.4	6.4.2.1	2300046705	1002	81	39.6	31	4.6	16.6	2.9	143	48.1	33.76	75.80	1	1	1	1	1	42.04	55.46266461
12724	26/01/2021	6	6.4	6.4.2.1	2300052774	1037	36	24.4	32	2.8	17	1.3	90	22.1	24.67	76.02	1	1	1	1	1	51.36	67.555551
12725	26/01/2021	6	6.4	6.4.2.1	-	1001	100	51.1	30	6.7	14.5	5.7	201	82.7	41.12	75.79	1	1	1	1	1	34.67	45.74732693
12726	26/01/2021	6	6.4	6.4.2.1	2300046082	1036	100	50.1	30	6.8	14	5.8	204	81.2	39.80	76.02	1	1	1	1	1	36.21	47.63771822
12727	26/01/2021	6	6.4	6.4.2.1	2300050979	1040	90	50.4	30	7.4	20.8	2.4	222	49.9	22.49	76.04	1	1	1	1	1	53.56	70.42885973
12728	26/01/2021	6	6.4	6.4.2.1	2300051135	651	26	59.6	30	3.9	24.2	2.9	117	70.2	59.98	73.55	1	1	1	0	0	13.57	18.44874405
12729	26/01/2021	6	6.4	6.4.2.1	-	959	59	43.8	21	5.1	13.1	3.8	107	49.8	46.48	75.52	1	1	1	1	1	29.04	38.45642249
12730	26/01/2021	6	6.4	6.4.2.1	2300052651	996	26	17.8	30	4.5	5.7	4.4	135	25.1	18.58	75.76	1	1	1	1	1	57.18	75.4782475
12731	26/01/2021	6	6.4	6.4.2.1	-	994	104	45.1	30	6.9	19.2	5.08	207	97.5	47.12	75.75	1	1	1	1	1	28.63	37.79493927
12732	26/01/2021	6	6.4	6.4.2.1	2300051285	987	132	58.2	30	6.7	21.5	5.4	201	116.1	57.76	75.70	1	1	1	1	0	17.94	23.70005597
12733	26/01/2021	6	6.4	6.4.2.1	2300053004	983	60	38.8	25	5.7	12.4	4.6	143	57.0	40.03	75.68	1	1	1	1	1	35.65	47.10682983
12734	26/01/2021	6	6.4	6.4.5.1	-	973	108	49.4	30	6.4	20	4.9	192	98.0	51.04	75.61	1	1	1	1	1	24.57	32.49635425
12735	26/01/2021	6	6.4	6.4.5.1	2300045464	982	49	30.4	28	5.2	11.9	3.9	146	46.4	31.88	75.67	1	1	1	1	1	43.80	57.87675034
12736	26/01/2021	6	6.4	6.4.5.1	2300045437	995	109	48	30	6.8	20.9	4.8	204	100.3	49.18	75.75	1	1	1	1	1	26.58	35.08399479
12737	26/01/2021	6	6.4	6.4.5.1	2300045509	930	20	20.5	30	2.4	18.9	2.1	72	39.7	55.13	75.34	1	1	1	1	1	20.21	26.82975391
12738	26/01/2021	6	6.4	6.4.5.1	2300045768	737	120	0.653	16.3	7.83	16.3	7.33	128	119.5	93.61	74.10	1	1	1	1	1	-19.51	-26.33031945
12739	26/01/2021	6	6.4	6.4.5.1	2300041807	742	22	0.427	9.5	2.29	9.5	2.30	22	21.9	100.44	74.13	1	1	1	1	1	-26.30	-35.47845441

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12740	26/01/2021	6	6.4	6.4.5.1	2300041099	806	28	0.708	10.0	2.77	10.0	2.79	28	27.9	100.72	74.54	1	1	1	1	1	-26.18	-35.11681851
12741	26/01/2021	6	6.4	6.4.5.1	2300045266	759	136	0.541	21.2	7.16	21.2	6.40	152	135.7	89.39	74.24	1	1	1	1	0	-15.14	-20.3948554
12742	26/01/2021	6	6.4	6.4.5.1	230004521	830	127	0.655	17.0	8.10	17.0	7.49	138	127.3	92.47	74.70	1	1	1	1	0	-17.77	-23.79064473
12743	26/01/2021	6	6.4	6.4.5.1	2300045449	874	42	0.655	11.3	3.69	11.3	3.72	42	42.0	100.81	74.98	1	1	1	1	1	-25.83	-34.45391564
12744	26/01/2021	6	6.4	6.4.5.1	2300045280	920	19	0.318	11.0	1.75	11.0	1.75	19	19.3	100.00	75.27	1	1	1	1	1	-24.73	-32.84799532
12745	26/01/2021	6	6.4	6.4.5.1	2300045728	907	34	0.444	10.8	3.12	10.8	3.14	34	33.9	100.64	75.19	1	1	1	1	1	-25.45	-33.84752608
12746	26/01/2021	6	6.4	6.4.5.1	2300045444	906	114	0.641	16.3	7.57	16.3	6.98	123	113.8	92.21	75.18	1	1	1	1	0	-17.02	-22.63990484
12747	26/01/2021	6	6.4	6.4.5.1	2300045257	898	116	0.642	16.0	7.81	16.0	7.25	125	116.0	92.83	75.13	1	1	1	1	0	-17.70	-23.55350964
12748	26/01/2021	6	6.4	6.4.5.1	2300046626	882	118	0.656	16.3	7.65	16.3	7.24	125	118.0	94.64	75.03	1	1	1	1	1	-19.61	-26.13556416
12749	26/01/2021	6	6.4	6.4.5.1	-	872	116	0.643	16.0	7.77	16.0	7.20	124	115.2	92.66	74.97	1	1	1	1	0	-17.70	-23.60684018
12750	26/01/2021	6	6.4	6.4.5.1	-	874	109	0.426	15.5	7.46	15.5	7.02	116	108.8	94.10	74.98	1	1	1	1	1	-19.12	-25.5033058
12751	26/01/2021	6	6.4	6.4.5.1	-	905	109	0.431	15.8	7.39	15.8	6.91	117	109.2	93.50	75.18	1	1	1	1	0	-18.33	-24.37779155
12752	26/01/2021	6	6.4	6.4.5.1	2300045520	842	111	0.424	15.7	7.59	15.7	7.06	119	110.8	93.02	74.77	1	1	1	1	0	-18.24	-24.39635786
12753	26/01/2021	6	6.4	6.4.5.1	2300045746	837	132	0.620	26.2	5.45	26.2	5.03	143	131.8	92.29	74.74	1	1	1	1	0	-17.55	-23.48156342
12754	26/01/2021	6	6.4	6.4.5.1	2300045423	896	100	0.432	16.1	6.74	16.1	6.23	109	100.3	92.43	75.12	1	1	1	1	0	-17.31	-23.04678146
12755	26/01/2021	6	6.4	6.4.5.1	2300045242	870	128	0.708	25.5	5.37	25.5	5.03	137	128.3	93.67	74.95	1	1	1	1	0	-18.71	-24.96801887
12756	26/01/2021	6	6.4	6.4.5.1	2300045163	893	15	0.361	10.3	1.43	10.3	1.43	15	14.7	100.00	75.10	1	1	1	1	1	-24.90	-33.15366466
12757	26/01/2021	6	6.4	6.4.5.1	2300045772	749	101	0.624	16.4	6.89	16.4	6.19	113	101.5	89.84	74.18	1	1	1	1	0	-15.66	-21.11193419
12758	26/01/2021	6	6.1	6.1.6.4	2300051251	783	27	0.845	10.0	2.66	10.0	2.68	27	26.8	100.75	74.40	1	1	1	1	1	-26.35	-35.42428976
12759	26/01/2021	6	6.1	6.1.6.4	2300051350	768	27	0.327	11.9	2.33	11.9	2.24	28	26.7	96.14	74.30	1	1	1	1	1	-21.84	-29.38867617
12760	26/01/2021	6	6.1	6.1.6.4	2300051226	764	105	0.608	16.2	6.97	16.2	6.46	113	104.7	92.68	74.28	1	1	1	1	0	-18.41	-24.78246804
12761	27/01/2021	6	6.1	6.1.6.4	2300050889	770	104	0.659	16.7	6.75	16.7	6.22	113	103.9	92.15	74.31	1	1	1	1	0	-17.83	-23.99836928
12762	27/01/2021	6	6.1	6.1.6.4	2300051344	776	103	0.403	15.4	7.22	15.4	6.70	111	103.2	92.80	74.35	1	1	1	1	0	-18.45	-24.80805453
12763	27/01/2021	6	6.1	6.1.6.4	2300051580	770	115	0.652	16.9	7.31	16.9	6.80	124	114.9	93.02	74.31	1	1	1	1	1	-18.71	-25.17595045
12764	27/01/2021	6	6.1	6.1.6.4	2300053292	810	105	0.395	15.5	7.25	15.5	6.75	112	104.6	93.10	74.57	1	1	1	1	0	-18.53	-24.85375925
12765	27/01/2021	6	6.1	6.1.6.4	2300057733	783	39	0.780	10.9	3.58	10.9	3.60	39	39.2	100.56	74.40	1	1	1	1	1	-26.16	-35.16457503
12766	27/01/2021	6	6.1	6.1.6.4	2300052758	791	25	0.672	10.5	2.35	10.5	2.35	25	24.7	100.00	74.45	1	1	1	1	1	-25.55	-34.32122114
12767	27/01/2021	6	6.1	6.1.6.4	2300050575	827	110	0.517	21.1	6.04	21.1	5.21	127	109.9	86.26	74.68	1	1	1	0	0	-11.58	-15.50570998
12768	27/01/2021	6	6.1	6.1.6.4	2300050882	849	11	0.262	9.1	1.18	9.1	1.18	11	10.7	100.00	74.82	1	1	1	1	1	-25.18	-33.65481772
12769	27/01/2021	6	6.1	6.1.6.4	2300051841	790	115	0.676	16.7	7.17	16.7	6.88	120	114.9	95.96	74.44	1	1	1	1	1	-21.51	-28.89950511

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12770	27/01/2021	6	6.1	6.1.6.4	2300051745	916	133	0.521	21.3	7.15	21.3	6.26	152	133.3	87.55	75.25	1	1	1	0	0	-12.30	-16.35124142
12771	27/01/2021	6	6.1	6.1.6.4	2300050590	932	116	0.621	16.5	7.55	16.5	7.05	125	116.3	93.38	75.35	1	1	1	1	0	-18.03	-23.9236789
12772	27/01/2021	6	6.1	6.1.6.4	2300050817	939	105	0.697	16.2	6.43	16.2	6.48	104	105.0	100.78	75.40	1	1	1	1	1	-25.38	-33.66510112
12773	27/01/2021	6	6.1	6.1.6.4	2300052793	942	133	0.557	21.8	6.84	21.8	6.13	149	133.6	89.62	75.41	1	1	1	0	0	-14.21	-18.83593544
12774	27/01/2021	6	6.1	6.1.6.4	2300052776	846	112	0.712	25.8	4.63	25.8	4.36	119	112.5	94.17	74.80	1	1	1	1	1	-19.37	-25.8929986
12775	27/01/2021	6	6.1	6.1.6.4	2300053293	679	129	0.508	21.2	7.45	21.2	6.06	158	128.5	81.34	73.73	1	1	0	0	0	-7.61	-10.32214394
12776	27/01/2021	6	6.1	6.1.6.4	2300051428	934	106	0.429	15.5	7.08	15.5	6.84	110	106.0	96.61	75.36	1	1	1	1	1	-21.25	-28.1920841
12777	27/01/2021	6	6.1	6.1.6.4	2300051380	841	108	0.641	16.7	7.02	16.7	6.46	117	107.9	92.02	74.77	1	1	1	1	0	-17.25	-23.07711817
12778	27/01/2021	6	6.1	6.1.6.4	2300050890	958	105	0.636	16.7	6.90	16.7	6.28	115	104.9	91.01	75.52	1	1	1	1	0	-15.50	-20.52154046
12779	27/01/2021	6	6.1	6.1.6.4	2300051219	939	106	0.625	16.2	7.06	16.2	6.52	114	105.6	92.35	75.40	1	1	1	1	0	-16.96	-22.4889447
12780	27/01/2021	6	6.1	6.1.6.4	2300051139	934	86	0.381	13.6	6.29	13.6	6.34	86	86.2	100.79	75.36	1	1	1	1	1	-25.43	-33.74482185
12781	27/01/2021	6	6.1	6.1.6.4	2300051023	819	25	0.859	9.8	2.58	9.8	2.59	25	25.4	100.39	74.63	1	1	1	1	1	-25.76	-34.51805619
12782	27/01/2021	6	6.1	6.1.5.1	2300051244	841	100	0.442	15.7	6.69	15.7	6.39	105	100.3	95.52	74.77	1	1	1	1	1	-20.75	-27.74874822
12783	27/01/2021	6	6.1	6.1.5.1	2300051202	742	116	0.454	19.2	7.35	19.2	6.04	141	116.0	82.18	74.13	1	1	0	0	0	-8.04	-10.8479024
12784	27/01/2021	6	6.1	6.1.5.1	2300051210	819	138	0.578	22.6	6.86	22.6	6.11	155	138.1	89.07	74.63	1	1	1	0	0	-14.44	-19.34867984
12785	27/01/2021	6	6.1	6.1.5.1	2300050921	812	131	0.510	20.9	7.29	20.9	6.29	152	131.5	86.28	74.58	1	1	1	0	0	-11.70	-15.68696653
12786	27/01/2021	6	6.1	6.1.5.1	-	956	99	0.510	15.7	6.73	15.7	6.31	106	99.1	93.76	75.50	1	1	1	1	0	-18.25	-24.17724898
12787	27/01/2021	6	6.1	6.1.5.1	2300043365	930	112	0.642	16.1	7.44	16.1	6.91	120	111.3	92.88	75.34	1	1	1	1	0	-17.54	-23.27954563
12788	27/01/2021	6	6.1	6.1.5.1	2300043314	872	105	0.653	16.2	6.99	16.2	6.47	113	104.8	92.56	74.97	1	1	1	1	0	-17.59	-23.46905716
12789	27/01/2021	6	6.1	6.1.5.1	2300044344	852	113	0.445	16.8	7.37	16.8	6.72	124	112.9	91.18	74.84	1	1	1	1	0	-16.34	-21.83581422
12790	27/01/2021	6	6.1	6.1.5.1	2300043348	933	103	0.639	17.0	6.81	17.0	6.03	116	102.5	88.55	75.36	1	1	1	0	0	-13.19	-17.50205091
12791	27/01/2021	6	6.1	6.1.5.1	2300056185	946	109	0.480	16.0	7.24	16.0	6.83	116	109.3	94.34	75.44	1	1	1	1	1	-18.90	-25.04840453
12792	27/01/2021	6	6.1	6.1.5.1	2300055776	936	107	0.419	15.8	7.18	15.8	6.75	113	106.7	94.01	75.38	1	1	1	1	0	-18.63	-24.72225002
12793	27/01/2021	6	6.1	6.1.5.1	2300043392	717	125	0.654	17.4	7.54	17.4	7.21	131	125.5	95.62	73.97	1	1	1	1	1	-21.65	-29.26475256
12794	27/01/2021	6	6.1	6.1.5.1	2300043336	706	67	0.378	14.0	5.17	14.0	4.77	72	66.8	92.26	73.90	1	1	1	1	0	-18.36	-24.84108672
12795	27/01/2021	6	6.1	6.1.5.1	2300053442	739	11	0.588	8.4	1.27	8.4	1.28	11	10.8	100.79	74.12	1	1	1	1	1	-26.67	-35.98675795
12796	27/01/2021	6	6.1	6.1.5.1	2300056202	744	23	0.728	10.3	2.19	10.3	2.20	23	22.7	100.46	74.15	1	1	1	1	1	-26.31	-35.48195896
12797	27/01/2021	6	6.1	6.1.5.1	2300053385	704	26	0.813	10.0	2.59	10.0	2.60	26	26.0	100.39	73.89	1	1	1	1	1	-26.49	-35.85590295
12798	27/01/2021	6	6.1	6.1.5.1	2300056204	769	109	0.492	19.5	6.31	19.5	5.58	123	108.8	88.43	74.31	1	1	1	0	0	-14.12	-19.00675275
12799	27/01/2021	6	6.1	6.1.5.1	2300055763	751	45	0.598	10.9	4.12	10.9	4.13	45	45.0	100.24	74.19	1	1	1	1	1	-26.05	-35.11184225

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12800	27/01/2021	6	6.1	6.1.5.1	2300055752	785	35	0.763	10.4	3.35	10.4	3.37	35	35.0	100.60	74.41	1	1	1	1	1	-26.19	-35.19287048
12801	27/01/2021	6	6.1	6.1.5.1	2300043995	780	117	0.631	16.8	7.50	16.8	6.97	126	117.1	92.93	74.38	1	1	1	1	0	-18.56	-24.94734106
12802	27/01/2021	6	6.1	6.1.5.1	2300050923	773	69	0.627	12.3	5.62	12.3	5.64	69	69.4	100.36	74.33	1	1	1	1	1	-26.02	-35.00814157
12803	27/01/2021	6	6.1	6.1.5.1	2300051209	846	116	0.640	16.1	7.83	16.1	7.24	126	116.6	92.46	74.80	1	1	1	1	0	-17.66	-23.61548691
12804	27/01/2021	6	6.1	6.1.5.1	2300051282	825	20	0.858	10.8	2.06	9.4	2.07	22	19.5	87.46	74.67	1	1	1	0	0	-12.79	-17.13436762
12805	27/01/2021	6	6.1	6.1.5.1	2300051203	832	92	0.511	33.4	5.28	20.8	4.43	176	92.1	52.25	74.71	1	1	1	1	1	22.46	30.06359808
12806	27/01/2021	6	6.1	6.1.5.2	2300053796	875	107	0.641	22.3	7.28	15.8	6.76	162	106.8	65.79	74.99	1	1	0	0	0	9.19	12.26207624
12807	27/01/2021	6	6.1	6.1.5.2	2300051167	862	132	0.563	33.2	6.87	21.9	6.02	228	131.8	57.80	74.90	1	1	1	1	0	17.10	22.8301364
12808	27/01/2021	6	6.1	6.1.5.2	2300043400	913	95	0.504	27.1	6.80	15.0	6.34	184	95.1	51.61	75.23	1	1	1	1	1	23.62	31.40130248
12809	27/01/2021	6	6.1	6.1.5.2	2300043426	904	105	0.630	22.7	7.13	15.8	6.60	162	104.3	64.43	75.17	1	1	0	0	0	10.74	14.28993167
12810	27/01/2021	6	6.1	6.1.5.2	2300045595	885	111	0.640	22.4	7.55	15.9	6.99	169	111.1	65.72	75.05	1	1	0	0	0	9.33	12.43538682
12811	27/01/2021	6	6.1	6.1.5.2	2300051349	826	111	0.657	23.1	7.12	16.8	6.61	164	111.0	67.52	74.67	1	0	0	0	0	7.15	9.581216911
12812	27/01/2021	6	6.1	6.1.5.2	2300055749	833	87	0.683	22.1	5.64	16.4	5.33	125	87.4	70.13	74.72	1	0	0	0	0	4.59	6.140315313
12813	27/01/2021	6	6.1	6.1.5.2	-	905	137	0.522	33.8	7.58	24.1	5.70	256	137.4	53.62	75.18	1	1	1	1	1	21.56	28.67936117
12814	27/01/2021	6	6.1	6.1.5.2	2300051827	901	104	0.642	22.5	7.00	16.2	6.44	158	104.3	66.24	75.15	1	1	0	0	0	8.91	11.8591023
12815	27/01/2021	6	6.1	6.1.5.2	2300051828	824	110	0.663	22.6	7.22	16.5	6.69	163	110.4	67.65	74.66	1	0	0	0	0	7.01	9.389450018
12816	27/01/2021	6	6.1	6.1.5.2	-	980	109	0.640	22.9	7.29	16.1	6.79	167	109.3	65.48	75.66	1	1	0	0	0	10.17	13.44786543
12817	27/01/2021	6	6.1	6.1.5.2	-	923	110	0.433	34.1	7.27	16.2	6.79	248	110.0	44.37	75.29	1	1	1	1	1	30.92	41.06948402
12818	27/01/2021	6	6.1	6.1.5.2	-	924	105	0.636	22.9	7.03	16.2	6.48	161	105.0	65.21	75.30	1	1	0	0	0	10.09	13.40226284
12819	27/01/2021	6	6.1	6.1.5.2	2300051573	875	94	0.610	22.4	6.72	14.9	6.32	151	94.2	62.56	74.99	1	1	1	0	0	12.43	16.57314581
12820	27/01/2021	6	6.1	6.1.5.2	2300055780	887	102	0.642	22.4	6.92	15.9	6.41	155	101.9	65.75	75.06	1	1	0	0	0	9.31	12.40561242
12821	27/01/2021	6	6.1	6.1.5.2	-	933	127	0.598	33.9	6.12	25.7	4.93	207	126.7	61.07	75.36	1	1	1	0	0	14.29	18.95911613
12822	27/01/2021	6	6.1	6.1.5.2	-	904	105	0.636	22.6	7.11	16.0	6.57	161	105.1	65.42	75.17	1	1	0	0	0	9.75	12.9730991
12823	27/01/2021	6	6.1	6.1.5.2	2300051389	793	108	0.667	22.9	6.87	16.7	6.46	157	107.9	68.57	74.46	1	0	0	0	0	5.89	7.906974949
12824	27/01/2021	6	6.1	6.1.5.2	2300051377	838	132	0.522	34.5	7.14	24.8	5.31	246	131.7	53.46	74.75	1	1	1	1	1	21.29	28.4808497
12825	27/01/2021	6	6.1	6.1.5.2	2300056769	757	105	0.414	34.0	7.24	15.1	6.95	246	104.9	42.63	74.23	1	1	1	1	1	31.60	42.56718178
12826	27/01/2021	6	6.1	6.1.5.2	2300051240	1016	37	0.527	21.8	3.11	12.7	2.89	68	36.7	54.14	75.89	1	1	1	1	1	21.75	28.66391278
12827	27/01/2021	6	6.1	6.1.5.2	2300057047	845	88	0.652	23.0	5.70	17.1	5.13	131	87.7	66.91	74.79	1	1	0	0	0	7.88	10.53688334
12828	27/01/2021	6	6.1	6.1.5.2	2300051178	919	49	0.612	17.5	4.45	11.0	4.48	78	49.3	63.28	75.27	1	1	1	0	0	11.99	15.92544617
12829	27/01/2021	6	6.1	6.1.5.2	2300050924	828	121	0.554	32.0	6.67	21.7	5.58	213	121.1	56.73	74.69	1	1	1	1	0	17.95	24.04024204

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12830	27/01/2021	6	6.1	6.1.5.3	2300050239	824	103	0.629	22.7	7.04	16.3	6.31	160	102.9	64.36	74.66	1	1	0	0	0	10.30	13.79493404
12831	27/01/2021	6	6.1	6.1.5.3	2300050201	836	62	0.671	23.0	3.91	13.6	4.54	90	61.7	68.66	74.74	1	0	0	0	0	6.08	8.133325942
12832	27/01/2021	6	6.1	6.1.5.3	2300050370	881	115	0.670	23.5	7.10	17.3	6.66	167	115.2	69.05	75.02	1	0	0	0	0	5.97	7.956825144
12833	27/01/2021	6	6.1	6.1.5.3	2300050441	877	30	0.511	21.3	2.64	13.1	2.26	56	29.6	52.65	75.00	1	1	1	1	1	22.35	29.79922771
12834	27/01/2021	6	6.1	6.1.5.3	2300043389	1,013	117	0.654	23.4	7.42	16.7	7.00	174	116.9	67.33	75.87	1	1	0	0	0	8.54	11.25799356
12835	27/01/2021	6	6.1	6.1.5.3	2300052297	1,020	12	0.818	10.8	1.30	9.0	1.31	14	11.8	83.97	75.91	1	1	0	0	0	-8.06	-10.61775032
12836	27/01/2021	6	6.1	6.1.5.3	-	730	117	0.447	33.5	7.62	16.7	7.02	255	117.2	45.93	74.06	1	1	1	1	1	28.13	37.98713082
12837	27/01/2021	6	6.1	6.1.5.3	2300056152	943	117	0.437	33.9	7.69	16.3	7.20	261	117.4	45.02	75.42	1	1	1	1	1	30.40	40.31013113
12838	27/01/2021	6	6.1	6.1.5.3	2300056178	741	108	0.412	33.9	7.51	15.5	6.97	255	108.0	42.44	74.13	1	1	1	1	1	31.69	42.75465004
12839	27/01/2021	6	6.1	6.1.5.3	2300044374	794	132	0.514	33.9	7.34	20.6	6.40	249	131.8	52.98	74.47	1	1	1	1	1	21.48	28.84849693
12840	27/01/2021	6	6.1	6.1.5.3	2300051233	831	106	0.415	34.1	7.25	15.7	6.74	247	105.8	42.80	74.70	1	1	1	1	1	31.90	42.7044383
12841	27/01/2021	6	6.1	6.1.5.3	2300042530	902	112	0.629	22.8	7.56	15.9	7.04	172	111.9	64.94	75.16	1	1	0	0	0	10.22	13.59610838
12842	27/01/2021	6	6.1	6.1.5.3	2300042281	753	138	0.685	33.1	5.90	25.5	5.40	195	137.7	70.51	74.21	0	0	0	0	0	3.69	4.979000377
12843	27/01/2021	6	6.1	6.1.5.3	2300053178	938	112	0.432	34.1	7.40	16.1	6.98	252	112.4	44.53	75.39	1	1	1	1	1	30.85	40.92740286
12844	27/01/2021	6	6.1	6.1.5.3	2300053797	778	120	0.446	33.5	7.84	15.7	7.65	263	120.1	45.73	74.37	1	1	1	1	1	28.64	38.50632226
12845	27/01/2021	6	6.1	6.1.5.3	2300052182	871	83	0.413	33.5	5.82	25.8	3.21	195	82.8	42.48	74.96	1	1	1	1	1	32.48	43.33367458
12846	27/01/2021	6	6.1	6.1.5.3	2300050792	703	111	0.584	23.9	7.77	15.7	7.07	186	111.0	59.77	73.89	1	1	1	0	0	14.11	19.1010857
12847	27/01/2021	6	6.1	6.1.5.3	2300050952	773	20	0.558	18.5	1.94	11.5	1.77	36	20.4	56.71	74.33	1	1	1	1	0	17.62	23.70170747
12848	27/01/2021	6	6.1	6.1.5.3	2300052292	730	120	0.649	32.9	5.50	25.7	4.69	181	120.5	66.61	74.06	1	1	0	0	0	7.45	10.05533694
12849	27/01/2021	6	6.1	6.1.5.3	2300057093	807	112	0.433	33.7	7.47	16.2	6.93	252	112.3	44.60	74.55	1	1	1	1	1	29.95	40.18013367
12850	27/01/2021	6	6.1	6.1.5.3	2300050112	814	125	0.637	32.9	5.81	23.9	5.21	191	124.5	65.14	74.60	1	1	0	0	0	9.45	12.6726297
12851	27/01/2021	6	6.1	6.1.5.3	-	756	109	0.634	22.2	7.52	15.9	6.82	167	108.4	64.95	74.22	1	1	0	0	0	9.27	12.48872964
12852	27/01/2021	6	6.1	6.1.5.3	2300050500	794	28	0.840	11.2	2.86	9.6	2.88	32	27.6	86.31	74.47	1	1	1	0	0	-11.85	-15.90770525
12853	27/01/2021	6	6.1	6.1.5.3	-	786	131	0.508	33.3	7.56	20.1	6.53	252	131.3	52.14	74.42	1	1	1	1	1	22.28	29.93928694
12854	27/01/2021	6	6.1	6.1.5.4	2300034363	812	110	0.440	33.8	7.23	16.5	6.71	244	110.7	45.31	74.58	1	1	1	1	1	29.28	39.25468575
12855	27/01/2021	6	6.1	6.1.5.4	2300053090	768	122	0.492	33.7	7.20	19.6	6.21	243	121.7	50.16	74.30	1	1	1	1	1	24.14	32.48668292
12856	27/01/2021	6	6.1	6.1.5.4	2300048966	766	123	0.522	33.6	6.89	20.0	6.14	232	122.8	53.04	74.29	1	1	1	1	1	21.24	28.5966048
12857	27/01/2021	6	6.1	6.1.5.4	2300043424	799	129	0.507	33.6	7.41	20.3	6.33	249	128.5	51.61	74.50	1	1	1	1	1	22.89	30.72311979
12858	27/01/2021	6	6.1	6.1.5.4	-	818	117	0.429	34.4	7.69	16.5	7.09	265	117.0	44.22	74.62	1	1	1	1	1	30.40	40.73706334
12859	27/01/2021	6	6.1	6.1.5.4	2300051396	856	35	0.470	28.3	2.59	19.0	1.87	73	35.5	48.47	74.86	1	1	1	1	1	26.39	35.25091142

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12860	27/01/2021	6	6.1	6.1.5.4	2300039627	800	100	0.624	22.7	6.87	16.5	6.07	156	100.2	64.22	74.51	1	1	0	0	0	10.28	13.8016817
12861	27/01/2021	6	6.1	6.1.5.4	2300055750	800	99	0.621	22.6	6.85	16.4	6.07	155	99.5	64.30	74.51	1	1	0	0	0	10.20	13.69374335
12862	27/01/2021	6	6.1	6.1.5.4	2300051808	954	22	0.858	11.4	2.15	10.0	2.17	25	21.7	88.54	75.49	1	1	1	0	0	-13.04	-17.27833523
12863	27/01/2021	6	6.1	6.1.5.4	2300051756	947	108	0.620	23.9	7.05	16.3	6.63	168	108.1	64.14	75.45	1	1	0	0	0	11.31	14.98935907
12864	27/01/2021	6	6.1	6.1.5.4	2300055778	934	112	0.646	22.9	7.37	16.4	6.85	169	112.3	66.56	75.36	1	1	0	0	0	8.80	11.67781317
12865	27/01/2021	6	6.1	6.1.5.4	-	861	102	0.739	33.0	4.07	26.7	3.82	134	102.0	75.94	74.90	0	0	0	0	0	-1.04	-1.392383386
12866	27/01/2021	6	6.1	6.1.5.4	-	933	52	0.534	28.9	3.26	21.3	2.43	94	51.8	54.94	75.36	1	1	1	1	1	20.42	27.09695287
12867	27/01/2021	6	6.1	6.1.5.4	2300057447	948	106	0.499	34.6	5.94	17.7	5.98	206	105.8	51.50	75.45	1	1	1	1	1	23.95	31.74503576
12868	27/01/2021	6	6.1	6.1.5.4	2300051676	843	110	0.695	33.0	4.66	25.8	4.27	154	110.2	71.64	74.78	0	0	0	0	0	3.14	4.202253183
12869	27/01/2021	6	6.1	6.1.5.4	2300051108	1,028	77	0.656	23.3	4.94	19.0	4.07	115	77.3	67.18	75.97	1	1	0	0	0	8.78	11.55964959
12870	27/01/2021	6	6.1	6.1.5.4	2300057025	1,006	94	0.548	24.9	6.70	14.4	6.52	167	93.9	56.28	75.82	1	1	1	1	1	19.55	25.77897365
12871	27/01/2021	6	6.1	6.1.5.4	2300051022	1,051	113	0.430	34.7	7.36	16.0	7.05	255	112.8	44.17	76.11	1	1	1	1	1	31.95	41.97082529
12872	27/01/2021	6	6.1	6.1.5.4	2300056173	1,047	27	0.824	12.3	2.56	10.4	2.58	31	26.8	85.21	76.09	1	1	0	0	0	-9.13	-11.99500391
12873	27/01/2021	6	6.1	6.1.5.4	2300051378	1,009	81	0.571	22.8	6.07	13.3	6.11	138	81.3	58.72	75.84	1	1	1	1	0	17.13	22.58049788
12874	27/01/2021	6	6.1	6.1.5.4	2300051242	749	51	0.522	30.8	3.07	24.1	2.10	95	50.6	53.52	74.18	1	1	1	1	1	20.66	27.84561021
12875	27/01/2021	6	6.1	6.1.5.4	2300045052	857	122	0.687	23.6	7.33	17.4	7.01	173	122.0	70.51	74.87	1	0	0	0	0	4.36	5.824309096
12876	27/01/2021	6	6.1	6.1.5.4	2300044747	956	115	0.634	23.6	7.54	16.5	6.98	178	115.2	64.72	75.50	1	1	0	0	0	10.78	14.27968521
12877	27/01/2021	6	6.1	6.1.5.4	2300052723	972	116	0.633	23.6	7.57	16.6	6.99	179	116.0	64.95	75.61	1	1	0	0	0	10.66	14.09537941
12878	27/01/2021	9	9.3	9.3.6.1	2300056592	726	83	55.8	25	4.9	15	4.4	123	66.0	53.88	74.03	1	1	1	1	1	20.15	27.22436255
12879	27/01/2021	9	9.3	9.3.6.1	-	725	7	30.4	21	4.9	7.3	4.5	103	32.9	31.92	74.03	1	1	1	1	1	42.10	56.87434381
12880	27/01/2021	9	9.3	9.3.6.1	2300056363	720	100	50.2	27	4.2	20.3	3.2	113	65.0	57.28	73.99	1	1	1	1	0	16.71	22.58297887
12881	27/01/2021	9	9.3	9.3.6.1	2300056422	721	20	14.2	31	1.6	18.2	1.1	50	20.0	40.36	74.00	1	1	1	1	1	33.64	45.45583101
12882	27/01/2021	9	9.3	9.3.6.1	2300056414	723	120	47.3	30	4.9	20.6	3.5	147	72.1	49.05	74.01	1	1	1	1	1	24.97	33.73125463
12883	27/01/2021	9	9.3	9.3.6.1	2300056537	725	62	42.6	22	4.8	15.5	4.03	106	62.5	59.15	74.03	1	1	1	1	0	14.87	20.09231605
12884	27/01/2021	9	9.3	9.3.6.1	2300056352	720	42	38.1	30	4.7	14.1	4	141	56.4	40.00	73.99	1	1	1	1	1	33.99	45.94156283
12885	27/01/2021	9	9.3	9.3.6.1	2300056365	720	74	52.8	20	4.4	14	3.5	88	49.0	55.68	73.99	1	1	1	1	0	18.31	24.74819826
12886	27/01/2021	9	9.3	9.3.6.1	2300056485	707	49	40.7	30	4.7	14.9	4	141	59.6	42.27	73.91	1	1	1	1	1	31.64	42.81011226
12887	27/01/2021	9	9.3	9.3.6.1	2300056390	706	48	41.6	31	4.7	15	4.1	146	61.5	42.21	73.90	1	1	1	1	1	31.69	42.88564606
12888	27/01/2021	9	9.3	9.3.6.1	2300056646	684	64	48.9	18	4.6	11.9	3.6	83	42.8	51.74	73.76	1	1	1	1	1	22.02	29.85818149
12889	27/01/2021	9	9.3	9.3.6.1	2300056368	679	44	40.6	21	4.5	16	3.6	95	57.6	60.95	73.73	1	1	1	0	0	12.78	17.33207885

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12890	27/01/2021	9	9.3	9.3.6.1	2300056534	677	20	18.2	30	1.4	18.4	1	42	18.4	43.81	73.72	1	1	1	1	1	29.91	40.57211483
12891	27/01/2021	9	9.3	9.3.6.1	2300056503	663	58	43.7	30	4.7	15.9	4.09	141	65.0	46.12	73.63	1	1	1	1	1	27.51	37.36007373
12892	27/01/2021	9	9.3	9.3.6.1	2300056432	624	77	33.4	15	2.4	7.1	1.7	36	12.1	33.53	73.38	1	1	1	1	1	39.85	54.30912982
12893	27/01/2021	9	9.3	9.3.6.1	2300056527	668	121	61.7	31	4.4	21.1	3.4	136	71.7	52.60	73.66	1	1	1	1	1	21.07	28.59835583
12894	27/01/2021	9	9.3	9.3.6.1	2300056443	672	43	40.9	31	4.3	15.3	3.6	133	55.1	41.32	73.69	1	1	1	1	1	32.37	43.92437983
12895	27/01/2021	9	9.3	9.3.6.1	2300056427	668	45	42.8	31	4.2	15.2	3.7	130	56.2	43.20	73.66	1	1	1	1	1	30.47	41.35978713
12896	27/01/2021	9	9.3	9.3.6.1	2300056385	662	138	60.2	30	4.4	22.2	3.7	132	82.1	62.23	73.62	1	1	1	0	0	11.40	15.47825846
12897	27/01/2021	9	9.3	9.3.6.1	2300056590	658	22	20.3	31	4.1	7.1	3.7	127	26.3	20.67	73.60	1	1	1	1	1	52.93	71.9163708
12898	27/01/2021	9	9.3	9.3.6.1	2300056580	658	13	34.2	30	4.06	13.3	3.2	122	42.6	34.94	73.60	1	1	1	1	1	38.65	52.5219319
12899	27/01/2021	9	9.3	9.3.6.1	2300056421	962	82	40.8	31	6.1	14.7	5.3	189	77.9	41.20	75.54	1	1	1	1	1	34.34	45.46082081
12900	27/01/2021	9	9.3	9.3.6.1	-	997	136	58.5	32	6.9	22	5.8	221	127.6	57.79	75.77	1	1	1	1	0	17.98	23.72667834
12901	27/01/2021	9	9.3	9.3.6.1	2300056593	992	30	26.3	30	5.08	6.1	4.7	152	28.7	18.81	75.73	1	1	1	1	1	56.92	75.16024871
12902	27/01/2021	9	9.3	9.3.6.2	2300056417	916	44	29.9	25	5.7	12	3.2	143	38.4	26.95	75.25	1	1	1	1	1	48.30	64.18878219
12903	27/01/2021	9	9.3	9.3.6.2	2300056557	916	89	60.8	21	6.1	15.8	5.1	128	80.6	62.90	75.25	1	1	1	0	0	12.34	16.40489198
12904	27/01/2021	9	9.3	9.3.6.2	-	900	97	43.9	32	5.8	19.1	4.2	186	80.2	43.22	75.15	1	1	1	1	1	31.92	42.48265675
12905	27/01/2021	9	9.3	9.3.6.2	2300056628	850	63	36.2	21	5.9	13.8	4.9	124	67.6	54.58	74.83	1	1	1	1	1	20.25	27.06242324
12906	27/01/2021	9	9.3	9.3.6.2	2300056435	562	16	36.1	30	4.5	13.9	3.6	135	50.0	37.07	72.98	1	1	1	1	1	35.92	49.21177775
12907	27/01/2021	9	9.3	9.3.6.2	-	740	76	36.4	32	6.2	14.5	5.1	198	74.0	37.27	74.12	1	1	1	1	1	36.85	49.71373481
12908	27/01/2021	9	9.3	9.3.6.2	2300055568	935	127	44.4	32	6.3	22.5	4.9	202	110.3	54.69	75.37	1	1	1	1	1	20.68	27.44128964
12909	27/01/2021	9	9.3	9.3.6.2	2300056439	950	80	46.7	26	6.5	14.6	5.1	169	74.5	44.06	75.47	1	1	1	1	1	31.41	41.61718973
12910	27/01/2021	9	9.3	9.3.6.2	-	954	109	46.7	32	6.8	20.3	4.6	218	93.4	42.91	75.49	1	1	1	1	1	32.58	43.15446627
12911	27/01/2021	9	9.3	9.3.6.2	2300056580	969	73	34.4	31	6.6	13.4	5.3	205	71.0	34.71	75.59	1	1	1	1	1	40.88	54.07761001
12912	27/01/2021	9	9.3	9.3.6.2	2300057461	979	121	40.9	32	6.5	21.2	5.3	208	112.4	54.02	75.65	1	1	1	1	1	21.63	28.59472798
12913	27/01/2021	9	9.3	9.3.6.2	2300042753	1004	83	37.3	32	4.08	14.7	5.3	131	77.9	59.67	75.81	1	1	1	1	0	16.14	21.28683046
12914	27/01/2021	9	9.3	9.3.6.2	2300043376	1015	66	30.4	31	4.5	12.2	5.1	140	62.2	44.60	75.88	1	1	1	1	1	31.28	41.22169877
12915	27/01/2021	9	9.3	9.3.6.2	2300056353	1018	27	29.3	21	6.5	9	2.8	137	25.2	18.46	75.90	1	1	1	1	1	57.44	75.67688197
12916	27/01/2021	9	9.3	9.3.6.2	2300056629	1010	83	35.6	29	6.9	13.8	5.6	200	77.3	38.62	75.85	1	1	1	1	1	37.23	49.08280863
12917	27/01/2021	9	9.3	9.3.6.2	2300065434	995	65	33.4	30	6.7	12.7	4.7	201	59.7	29.70	75.75	1	1	1	1	1	46.06	60.79874672
12918	27/01/2021	9	9.3	9.3.6.2	2300056442	897	83	34.9	32	5.7	20.3	3.2	182	65.0	35.61	75.13	1	1	1	1	1	39.51	52.59476633
12919	27/01/2021	9	9.3	9.3.6.2	2300056418	903	96	41.3	32	6.02	19.9	3.9	193	77.6	40.29	75.17	1	1	1	1	1	34.88	46.4012827

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12920	27/01/2021	9	9.3	9.3.6.2	2300056566	662	88	33.9	31	4.6	18.8	2.6	143	48.9	34.28	73.62	1	1	1	1	1	39.35	53.44146126
12921	27/01/2021	9	9.3	9.3.6.2	2300056539	913	70	33.4	31	6.05	13.3	4.6	188	61.2	32.62	75.23	1	1	1	1	1	42.61	56.63833392
12922	27/01/2021	9	9.3	9.3.6.2	2300056667	915	45	32.5	24	5.2	12.5	3.3	125	41.3	33.05	75.24	1	1	1	1	1	42.19	56.07123068
12923	27/01/2021	9	9.3	9.3.6.2	2300056689	902	65	41	32	5.3	15.4	4.6	170	70.8	41.77	75.16	1	1	1	1	1	33.39	44.42584511
12924	27/01/2021	9	9.3	9.3.6.2	2300056708	914	53	41	21	5.4	12.9	4.09	113	52.8	46.53	75.24	1	1	1	1	1	28.71	38.15898986
12925	27/01/2021	9	9.3	9.3.6.2	2300056348	912	136	51.1	32	6.7	23	4.9	214	112.7	52.57	75.22	1	1	1	1	1	22.66	30.12052395
12926	27/01/2021	9	9.3	9.3.6.3	2300056484	930	50	30.8	30	5.6	12.2	4.3	168	52.5	31.23	75.34	1	1	1	1	1	44.11	58.55187226
12927	27/01/2021	9	9.3	9.3.6.3	2300056568	929	35	27.5	28	5.1	10.6	3.6	143	38.2	26.72	75.33	1	1	1	1	1	48.61	64.52658768
12928	27/01/2021	9	9.3	9.3.6.3	2300056419	951	101	59.4	22	6.7	15.7	5.8	147	91.1	61.78	75.47	1	1	1	0	0	13.69	18.14560521
12929	27/01/2021	9	9.3	9.3.6.3	2300000563	961	47	30.3	31	6.02	12.5	4.5	187	56.3	30.14	75.54	1	1	1	1	1	45.39	60.09676932
12930	27/01/2021	9	9.3	9.3.6.3	2300056532	954	25	42.6	12	4.01	11.9	2.9	48	34.5	71.72	75.49	1	0	0	0	0	3.78	5.000633212
12931	27/01/2021	9	9.3	9.3.6.3	2300056411	935	52	37.6	25	4.8	13.1	3.3	120	43.2	36.03	75.37	1	1	1	1	1	39.35	52.20246783
12932	27/01/2021	9	9.3	9.3.6.3	-	924	124	51.6	31	6.5	21.3	5.04	202	107.4	53.28	75.30	1	1	1	1	1	22.02	29.24739733
12933	27/01/2021	9	9.3	9.3.6.3	-	693	69	43.5	26	5.6	14	4.6	146	64.4	44.23	73.82	1	1	1	1	1	29.59	40.08392002
12934	27/01/2021	9	9.3	9.3.6.3	2300056497	916	41	25.7	30	5.8	11.9	3.9	174	46.4	26.67	75.25	1	1	1	1	1	48.58	64.55417817
12935	27/01/2021	9	9.3	9.3.6.3	2300056433	504	57	52.7	31	3.6	14	3.1	112	43.4	38.89	72.61	1	1	1	1	1	33.72	46.44259472
12936	27/01/2021	9	9.3	9.3.6.3	2300056529	962	95	49.9	32	6.9	15	5.9	221	88.5	40.08	75.54	1	1	1	1	1	35.46	46.94196967
12937	27/01/2021	9	9.3	9.3.6.3	2300056349	1002	63	48.5	32	6.4	10.6	5.6	205	59.4	28.98	75.80	1	1	1	1	1	46.81	61.7614329
12938	27/01/2021	9	9.3	9.3.6.3	2300056535	989	80	57.3	21	6.7	15.5	5.7	141	88.4	62.79	75.72	1	1	1	0	0	12.92	17.06705491
12939	27/01/2021	9	9.3	9.3.6.3	2300056511	986	63	31.4	31	6.02	12.6	4.7	187	59.2	31.73	75.70	1	1	1	1	1	43.96	58.07867582
12940	27/01/2021	9	9.3	9.3.6.3	2300056550	978	20	20.4	30	2.4	20.4	2.9	72	59.2	82.17	75.65	1	0	0	0	0	-6.52	-8.621124231
12941	27/01/2021	9	9.3	9.3.6.3	2300056530	958	93	45.8	22	6.4	15.7	5.2	141	81.6	57.98	75.52	1	1	1	1	0	17.53	23.21887657
12942	27/01/2021	9	9.3	9.3.6.3	2300056413	985	105	63.4	20	5.2	15.4	4.5	104	69.3	66.63	75.69	1	1	0	0	0	9.06	11.96377938
12943	27/01/2021	9	9.3	9.3.6.3	2300056696	976	42	31.3	21	6.04	7.4	5.4	127	40.0	31.50	75.63	1	1	1	1	1	44.13	58.34555385
12944	27/01/2021	9	9.3	9.3.6.3	2300056665	991	26	57.5	18	4.4	15.4	3.1	79	47.7	60.28	75.73	1	1	1	1	0	15.45	20.40267881
12945	27/01/2021	9	9.3	9.3.6.3	2300056699	1040	131	53	31	7.03	21.7	5.5	218	119.4	54.77	76.04	1	1	1	1	1	21.28	27.98020619
12946	27/01/2021	9	9.3	9.3.6.3	2300056578	515	7	39.6	32	5.2	11.4	4.4	166	50.2	30.14	72.68	1	1	1	1	1	42.54	58.52586504
12947	27/01/2021	9	9.3	9.3.6.3	2300056589	772	91	62.5	31	3.7	15.1	3.2	115	48.3	42.13	74.33	1	1	1	1	1	32.20	43.321536
12948	27/01/2021	9	9.3	9.3.6.3	2300056583	970	35	34.1	21	4.9	22.8	4.1	103	93.5	90.85	75.59	1	1	1	1	0	-15.25	-20.17551796
12949	27/01/2021	9	9.3	9.3.6.3	2300056574	973	89	58	21	6.5	14.7	5.5	137	80.9	59.23	75.61	1	1	1	1	0	16.38	21.666099

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12950	27/01/2021	9	9.3	9.3.6.4	2300056504	1023	97	40.2	32	6.9	17.4	5.5	221	95.7	43.34	75.93	1	1	1	1	1	32.59	42.92036776
12951	27/01/2021	9	9.3	9.3.6.4	2300056430	1015	102	40.7	32	7.3	17.3	5.6	234	96.9	41.47	75.88	1	1	1	1	1	34.41	45.34592823
12952	27/01/2021	9	9.3	9.3.6.4	2300056502	1015	95	37.9	31	7.3	14	6.3	226	88.2	38.97	75.88	1	1	1	1	1	36.91	48.6376055
12953	27/01/2021	9	9.3	9.3.6.4	2300056441	1028	108	43.3	32	7.3	15.3	6.5	234	99.5	42.57	75.97	1	1	1	1	1	33.39	43.95753059
12954	27/01/2021	9	9.3	9.3.6.4	2300056519	837	36	60.1	30	4.4	25.7	3.3	132	84.8	64.25	74.74	1	1	0	0	0	10.49	14.03854284
12955	27/01/2021	9	9.3	9.3.6.4	2300056651	872	82	40.1	32	6.1	15.7	5.02	195	78.8	40.38	74.97	1	1	1	1	1	34.59	46.14145917
12956	27/01/2021	9	9.3	9.3.6.4	-	1044	12	39.1	14	2.2	8.5	1.4	31	11.9	38.64	76.07	1	1	1	1	1	37.43	49.2078577
12957	27/01/2021	9	9.3	9.3.6.4	2300056365	883	94	45.7	32	6.5	16.4	5.4	208	88.6	42.58	75.04	1	1	1	1	1	32.46	43.25891281
12958	27/01/2021	9	9.3	9.3.6.4	2300056449	1032	121	50.4	31	7.2	21	5.5	223	115.5	51.75	75.99	1	1	1	1	1	24.24	31.90318851
12959	27/01/2021	9	9.3	9.3.6.4	2300056375	981	114	51.8	31	6.7	21.8	5.08	208	110.7	53.32	75.66	1	1	1	1	1	22.35	29.53197224
12960	27/01/2021	9	9.3	9.3.6.4	2300056429	979	53	41.4	21	5.3	11.4	4.3	111	49.0	44.04	75.65	1	1	1	1	1	31.61	41.78163227
12961	27/01/2021	9	9.3	9.3.6.4	2300056719	986	73	42.5	25	6.2	26.3	4.3	155	113.1	72.96	75.70	0	0	0	0	0	2.74	3.613262556
12962	27/01/2021	9	9.3	9.3.6.4	2300056373	1006	54	42.3	30	5.9	12.5	4.2	177	52.5	29.66	75.82	1	1	1	1	1	46.16	60.88196287
12963	27/01/2021	9	9.3	9.3.6.4	2300056643	818	71	40	33	5.8	15	5.07	191	76.1	39.73	74.62	1	1	1	1	1	34.89	46.75301078
12964	27/01/2021	9	9.3	9.3.6.4	2300056351	835	96	50.5	29	5.9	16.5	5.1	171	84.2	49.18	74.73	1	1	1	1	1	25.55	34.18738786
12965	27/01/2021	9	9.3	9.3.6.4	2300056618	829	85	41.7	33	5.8	17.1	4.5	191	77.0	40.20	74.69	1	1	1	1	1	34.49	46.17365038
12966	27/01/2021	9	9.3	9.3.6.4	2300056660	831	90	49	32	5.9	15.5	5.2	189	80.6	42.69	74.70	1	1	1	1	1	32.01	42.85386407
12967	27/01/2021	9	9.3	9.3.6.4	2300056676	834	46	30.6	33	3.06	16.1	2.6	101	41.9	41.45	74.72	1	1	1	1	1	33.27	44.52388105
12968	27/01/2021	9	9.3	9.3.6.4	2300056665	829	78	41.6	32	5.8	15.9	4.8	186	76.3	41.12	74.69	1	1	1	1	1	33.57	44.94603188
12969	27/01/2021	9	9.3	9.3.6.4	2300056582	548	26	27.5	22	4.8	7.1	4.3	106	30.5	28.91	72.89	1	1	1	1	1	43.98	60.33788495
12970	27/01/2021	9	9.3	9.3.6.4	2300056776	829	81	26.2	32	5.8	15.8	4.2	186	66.4	35.75	74.69	1	1	1	1	1	38.94	52.13074784
12971	27/01/2021	9	9.3	9.3.6.4	2300056415	830	20	20.4	20	5.2	20.2	1.4	104	28.3	27.19	74.70	1	1	1	1	1	47.51	63.59700703
12972	27/01/2021	9	9.3	9.3.6.4	2300056692	785	82	42.7	32	5.1	18	3.8	163	68.4	41.91	74.41	1	1	1	1	1	32.50	43.67455355
12973	27/01/2021	9	9.3	9.3.6.4	2300056394	751	25	30.3	31	4.8	12.9	3.5	149	45.2	30.34	74.19	1	1	1	1	1	43.85	59.10262785
12974	27/01/2021	9	9.2	9.2.5.1	2300055057	763	60	42.2	32	4.9	15.2	4.3	157	65.4	41.68	74.27	1	1	1	1	1	32.59	43.87488559
12975	27/01/2021	9	9.2	9.2.5.1	2300054974	771	91	59.5	21	5.08	19.4	4.2	107	81.5	76.38	74.32	0	0	0	0	0	-2.06	-2.768489884
12976	27/01/2021	9	9.2	9.2.5.1	-	766	34	66.2	13	2.6	10.5	2.2	34	23.1	68.34	74.29	1	0	0	0	0	5.95	8.002870884
12977	27/01/2021	9	9.2	9.2.5.1	2300046558	763	70	46.2	28	4.8	16.3	4.3	134	70.1	52.15	74.27	1	1	1	1	1	22.12	29.7820663
12978	27/01/2021	9	9.2	9.2.1.3	NA	756	40	23.7	26	3.4	15.6	2.04	88	31.8	36.00	74.22	1	1	1	1	1	38.22	51.49842909
12979	27/01/2021	9	9.2	9.2.1.3	NA	753	47	40.7	19	4.5	11.3	3.2	86	36.2	42.29	74.21	1	1	1	1	1	31.91	43.00615366

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
12980	27/01/2021	9	9.2	9.2.1.3	NA	672	95	66	30	4.5	15.5	4.09	135	63.4	46.96	73.69	1	1	1	1	1	26.73	36.27181631
12981	27/01/2021	9	9.2	9.2.1.3	NA	663	37	51.3	21	4.6	8.5	3.8	97	32.3	33.44	73.63	1	1	1	1	1	40.19	54.58751012
12982	27/01/2021	9	9.2	9.2.5.1	-	654	12	37	21	4.7	9	4.01	99	36.1	36.57	73.57	1	1	1	1	1	37.01	50.2996407
12983	27/01/2021	9	9.2	9.2.5.1	-	662	109	69.9	21	4.7	16.3	4.3	99	70.1	71.01	73.62	0	0	0	0	0	2.61	3.544593216
12984	27/01/2021	9	9.2	9.2.5.1	-	658	47	43.2	31	4.6	15.5	4.1	143	63.6	44.57	73.60	1	1	1	1	1	29.03	39.44712925
12985	27/01/2021	9	9.2	9.2.5.1	-	710	44	32.2	32	4.8	15.3	2.2	154	33.7	21.91	73.93	1	1	1	1	1	52.02	70.35836264
12986	27/01/2021	9	9.2	9.2.5.1	2300054316	689	26	32.5	25	3.6	14.4	1.3	90	18.7	20.80	73.80	1	1	1	1	1	53.00	71.81403769
12987	27/01/2021	9	9.2	9.2.5.1	2300055156	711	42	58.9	31	4.9	7.3	4.5	152	32.9	21.63	73.94	1	1	1	1	1	52.31	70.75044257
12988	27/01/2021	9	9.2	9.2.5.1	2300055025	691	20	18.3	32	2.4	12.4	2.1	77	26.0	33.91	73.81	1	1	1	1	1	39.90	54.06180055
12989	27/01/2021	9	9.2	9.2.5.1	-	680	93	60.9	21	4.8	15.4	4.2	101	64.7	64.17	73.74	1	1	0	0	0	9.57	12.98019113
12990	27/01/2021	9	9.2	9.2.5.1	2300054021	882	85	48.8	25	6.8	14.7	5.2	170	76.4	44.96	75.03	1	1	1	1	1	30.07	40.07166939
12991	27/01/2021	9	9.2	9.2.5.1	2300055007	963	100	46.3	32	3.3	15.9	5.9	106	93.8	88.84	75.55	1	1	1	0	0	-13.29	-17.58592715
12992	27/01/2021	9	9.2	9.2.5.1	2300054980	890	38	53.3	15	3.7	12	3.07	56	36.8	66.38	75.08	1	1	0	0	0	8.70	11.59215474
12993	27/01/2021	9	9.2	9.2.5.1	2300046241	581	45	43.5	31	3.6	16.8	3.07	112	51.6	46.22	73.10	1	1	1	1	1	26.89	36.78211741
12994	27/01/2021	9	9.2	9.2.5.1	2300054523	785	66	33.7	32	5.3	15	4.1	170	61.5	36.26	74.41	1	1	1	1	1	38.15	51.26758171
12995	27/01/2021	9	9.2	9.2.5.1	2300055497	702	52	39	31	4.4	14.8	4.5	136	66.6	48.83	73.88	1	1	1	1	1	25.05	33.90934954
12996	27/01/2021	9	9.2	9.2.5.1	2300054985	749	39	40.1	25	5.7	15.8	3.5	143	55.3	38.81	74.18	1	1	1	1	1	35.37	47.68505419
12997	27/01/2021	9	9.2	9.2.5.1	2300055038	899	20	36.9	17	5.3	12.5	1.2	90	15.0	16.65	75.14	1	1	1	1	1	58.49	77.84368202
12998	27/01/2021	9	9.2	9.2.6.1	2300054055	1019	135	60.3	32	6.8	23.5	5.7	218	134.0	61.56	75.91	1	1	1	0	0	14.35	18.90416189
12999	27/01/2021	9	9.2	9.2.6.1	2300054376	860	46	20.4	30	2.4	23.4	1.4	72	32.8	45.50	74.89	1	1	1	1	1	29.39	39.24422486
13000	27/01/2021	9	9.2	9.2.6.1	2300054198	860	20	18.5	30	6.2	20.2	4.4	186	88.9	47.78	74.89	1	1	1	1	1	27.11	36.19315498
13001	28/01/2021	9	9.2	9.2.6.1	2300054097	829	34	29.5	32	5.2	12.5	4	166	50.0	30.05	74.69	1	1	1	1	1	44.64	59.77047362
13002	28/01/2021	9	9.2	9.2.6.1	2300054064	844	70	38.8	30	5.6	14.9	4.7	168	70.0	41.68	74.79	1	1	1	1	1	33.10	44.26278713
13003	28/01/2021	9	9.2	9.2.6.1	2300054378	831	58	36.2	31	5.2	14.6	4.1	161	59.9	37.13	74.70	1	1	1	1	1	37.57	50.29209118
13004	28/01/2021	9	9.2	9.2.6.1	2300054535	887	48	32.5	31	5.1	12.9	4.05	158	52.2	33.05	75.06	1	1	1	1	1	42.02	55.97614158
13005	28/01/2021	9	9.2	9.2.6.1	-	913	69	34.6	31	5.6	13.4	4.6	174	61.6	35.51	75.23	1	1	1	1	1	39.72	52.80168812
13006	28/01/2021	9	9.2	9.2.6.1	-	914	43	32.7	31	5.3	13	4.3	164	55.9	34.02	75.24	1	1	1	1	1	41.21	54.7778865
13007	28/01/2021	9	9.2	9.2.6.1	2300054544	818	59	45.9	24	4.4	14	3.5	106	49.0	46.40	74.62	1	1	1	1	1	28.22	37.81724878
13008	28/01/2021	9	9.2	9.2.6.1	2300054440	636	68	40.3	29	5.4	15	4.5	157	67.5	43.10	73.46	1	1	1	1	1	30.35	41.32104449
13009	28/01/2021	9	9.2	9.2.6.1	2300054010	892	26	58.2	31	6.2	24.6	4.6	192	113.2	58.88	75.09	1	1	1	1	0	16.22	21.59753984

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13010	28/01/2021	9	9.2	9.2.6.1	2300054411	861	92	48.8	30	5.1	17	4.6	153	78.2	51.11	74.90	1	1	1	1	1	23.79	31.75758633
13011	28/01/2021	9	9.2	9.2.6.1	2300054431	935	49	30.4	26	6.2	9.2	5.1	161	46.9	29.11	75.37	1	1	1	1	1	46.26	61.38158451
13012	28/01/2021	9	9.2	9.2.6.1	2300054549	968	100	43.2	32	6.7	15.8	5	214	79.0	36.85	75.58	1	1	1	1	1	38.73	51.24843886
13013	28/01/2021	9	9.2	9.2.6.1	2300054570	765	69	54.8	19	5.5	11.7	5	105	58.5	55.98	74.28	1	1	1	1	0	18.30	24.63738019
13014	28/01/2021	9	9.2	9.2.6.1	2300054590	907	26	54.4	32	3.6	23.9	2.5	115	59.8	51.87	75.19	1	1	1	1	1	23.32	31.02039153
13015	28/01/2021	9	9.2	9.2.6.1	2300054592	522	26	35.6	33	4.6	21.4	2.9	152	62.1	40.88	72.73	1	1	1	1	1	31.84	43.78586649
13016	28/01/2021	9	9.2	9.2.6.1	2300054123	533	33	41.7	31	3.4	17.7	2.6	105	46.0	43.66	72.80	1	1	1	1	1	29.13	40.02209001
13017	28/01/2021	9	9.2	9.2.6.1	2300054052	562	37	35.6	32	4.8	13.6	3.9	154	53.0	34.53	72.98	1	1	1	1	1	38.45	52.6857698
13018	28/01/2021	9	9.2	9.2.6.1	-	745	60	42.6	31	4.9	15.4	4.7	152	72.4	47.65	74.15	1	1	1	1	1	26.50	35.74214529
13019	28/01/2021	9	9.2	9.2.6.1	2300054120	750	52	39.9	32	4.7	15.3	4.03	150	61.7	41.00	74.19	1	1	1	1	1	33.19	44.73798893
13020	28/01/2021	9	9.2	9.2.6.1	2300054054	750	89	60	21	4.5	15.4	3.8	95	58.5	61.93	74.19	1	1	1	0	0	12.26	16.52612902
13021	28/01/2021	9	9.2	9.2.6.1	2300054124	769	26	22.2	32	3.9	11.6	2.4	125	27.8	22.31	74.31	1	1	1	1	1	52.00	69.97925877
13022	28/01/2021	9	9.2	9.2.6.2	2300054324	761	54	40	32	4.8	15.1	4.1	154	61.9	40.31	74.26	1	1	1	1	1	33.95	45.72051758
13023	28/01/2021	9	9.2	9.2.6.2	2300054375	766	23	30.8	30	4.5	12.4	3.4	135	42.2	31.23	74.29	1	1	1	1	1	43.06	57.96163381
13024	28/01/2021	9	9.2	9.2.6.2	2300054448	742	127	60.6	32	4.8	22.3	4.3	154	95.9	62.43	74.13	1	1	1	0	0	11.71	15.79071446
13025	28/01/2021	9	9.2	9.2.6.2	2300042445	770	138	58.7	32	5.3	22.5	4.5	170	101.3	59.70	74.31	1	1	1	0	0	14.61	19.66615651
13026	28/01/2021	9	9.2	9.2.6.2	-	786	74	42.7	31	5.4	16	4.8	167	76.8	45.88	74.42	1	1	1	1	1	28.54	38.34942808
13027	28/01/2021	9	9.2	9.2.6.2	2300046541	540	64	18.9	32	4.8	6.7	4.4	154	29.5	19.19	72.84	1	1	1	1	1	53.65	73.65159066
13028	28/01/2021	9	9.2	9.2.6.2	-	760	41	39.9	31	4.5	15.2	3.7	140	56.2	40.32	74.25	1	1	1	1	1	33.93	45.70314857
13029	28/01/2021	9	9.2	9.2.6.2	-	996	74	37.5	32	5.1	17.7	3.9	163	69.0	42.30	75.76	1	1	1	1	1	33.46	44.16899314
13030	28/01/2021	9	9.2	9.2.6.2	-	1022	12	20.4	31	2.4	20.2	1.4	74	28.3	38.01	75.93	1	1	1	1	1	37.92	49.93763376
13031	28/01/2021	9	9.2	9.2.6.2	2300042441	1036	77	36.5	32	6.4	18.2	4.1	205	74.6	36.44	76.02	1	1	1	1	1	39.58	52.068834
13032	28/01/2021	9	9.2	9.2.6.2	-	1029	58	31.7	32	5.5	12.3	3.4	176	41.8	23.76	75.97	1	1	1	1	1	52.21	68.72336026
13033	28/01/2021	9	9.2	9.2.6.2	2300054507	1033	138	57.6	30	7.6	22.6	5.9	228	133.3	58.48	76.00	1	1	1	1	0	17.51	23.04656469
13034	28/01/2021	9	9.2	9.2.6.2	2300042340	1050	76	32.6	31	6.5	13	5.2	202	67.6	33.55	76.11	1	1	1	1	1	42.56	55.91886698
13035	28/01/2021	9	9.2	9.2.6.2	-	1048	72	34.4	31	6.1	13.5	4.9	189	66.2	34.98	76.09	1	1	1	1	1	41.11	54.02809808
13036	28/01/2021	9	9.2	9.2.6.2	2300046515	1044	101	48.2	32	6.4	21	4.7	205	98.7	48.19	76.07	1	1	1	1	1	27.87	36.64403849
13037	28/01/2021	9	9.2	9.2.6.2	2300037782	981	82	36	32	6.1	13.9	5.4	195	75.1	38.45	75.66	1	1	1	1	1	37.21	49.17970822
13038	28/01/2021	9	9.2	9.2.6.2	2300042591	939	119	53.1	31	4.2	21.2	4.1	130	86.9	66.76	75.40	1	1	0	0	0	8.64	11.4552672
13039	28/01/2021	9	9.2	9.2.6.2	2300046106	851	73	51.6	30	6.4	13.2	5.3	192	70.0	36.44	74.83	1	1	1	1	1	38.39	51.30785596

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13040	28/01/2021	9	9.2	9.2.6.2	2300054540	989	73	38.1	30	5.9	14.3	4.9	177	70.1	39.59	75.72	1	1	1	1	1	36.13	47.71543695
13041	28/01/2021	9	9.2	9.2.6.2	2300042551	633	89	60.7	20	4.7	14.8	4.1	94	60.7	64.55	73.44	1	1	0	0	0	8.88	12.09742271
13042	28/01/2021	9	9.2	9.2.6.2	2300040001	825	71	33.5	31	5.3	14.8	4.1	164	60.7	36.93	74.67	1	1	1	1	1	37.73	50.5364682
13043	28/01/2021	9	9.2	9.2.6.2	2300054460	918	64	38.9	30	5.6	14.3	4.6	168	65.8	39.15	75.26	1	1	1	1	1	36.11	47.97483709
13044	28/01/2021	9	9.2	9.2.6.2	2300054373	909	89	48.5	31	5.4	18.9	4.3	167	81.3	48.55	75.20	1	1	1	1	1	26.66	35.44406505
13045	28/01/2021	9	9.2	9.2.6.2	2300054583	874	89	58	20	6.4	16.4	5.4	128	88.6	69.19	74.98	1	0	0	0	0	5.79	7.724901173
13046	28/01/2021	9	9.1	9.1.5.1	2300054573	1000	117	54.7	31	6.5	22.5	5.1	202	114.8	56.95	75.79	1	1	1	1	0	18.84	24.85697778
13047	28/01/2021	9	9.1	9.1.5.1	2300054580	1104	122	56.1	31	7.5	23.3	5.7	233	132.8	57.12	76.45	1	1	1	1	1	19.33	25.28268781
13048	28/01/2021	9	9.1	9.1.5.1	2300054591	860	35	18.5	30	5.3	6	5.2	159	31.2	19.62	74.89	1	1	1	1	1	55.27	73.79804846
13049	28/01/2021	9	9.1	9.1.5.1	2300054562	983	132	59.1	31	5.7	23.3	4.7	177	109.5	61.98	75.68	1	1	1	0	0	13.70	18.10598299
13050	28/01/2021	9	9.1	9.1.5.1	2300054360	577	93	53.9	22	4.1	15.7	3.2	90	50.2	55.70	73.08	1	1	1	1	0	17.38	23.78302888
13051	28/01/2021	9	9.1	9.1.5.1	2300054571	636	20	20.4	30	2.4	20.4	1.2	72	24.5	34.00	73.46	1	1	1	1	1	39.46	53.71403989
13052	28/01/2021	9	9.1	9.1.5.1	2300054361	749	20	20.5	30	2.4	20.4	1.4	72	28.6	39.67	74.18	1	1	1	1	1	34.51	46.52617881
13053	28/01/2021	9	9.1	9.1.5.1	2300054060	528	126	65.7	32	3.1	23.5	2.7	99	63.5	63.96	72.77	1	1	0	0	0	8.80	12.098512
13054	28/01/2021	9	9.1	9.1.5.1	2300054112	1051	86	35.5	30	6.7	14.3	3.5	201	50.1	24.90	76.11	1	1	1	1	1	51.21	67.28457188
13055	28/01/2021	9	9.1	9.1.5.1	-	1092	72	33.7	32	6.4	13.7	5.1	205	69.9	34.12	76.37	1	1	1	1	1	42.26	55.33053974
13056	28/01/2021	9	9.1	9.1.5.1	2300054695	1068	67	34.5	20	6.7	12.4	5.2	134	64.5	48.12	76.22	1	1	1	1	1	28.10	36.86874126
13057	28/01/2021	9	9.1	9.1.5.1	2300054528	689	26	31.3	31	3.9	12.7	2.9	121	36.8	30.46	73.80	1	1	1	1	1	43.33	58.71949991
13058	28/01/2021	9	9.1	9.1.5.1	-	572	41	28.8	21	3.5	7.2	3.1	74	22.3	30.37	73.05	1	1	1	1	1	42.68	58.42754653
13059	28/01/2021	9	9.1	9.1.5.1	-	617	52	32.3	30	5.5	13.2	2.4	165	31.7	19.20	73.33	1	1	1	1	1	54.13	73.81870544
13060	28/01/2021	9	9.1	9.1.5.1	2300054416	574	20	24.4	30	2.4	20.2	1.4	72	28.3	39.28	73.06	1	1	1	1	1	33.78	46.23871773
13061	28/01/2021	9	9.1	9.1.5.1	2300054521	716	31	32.9	30	4.5	13	3.5	135	45.5	33.70	73.97	1	1	1	1	1	40.26	54.43499697
13062	28/01/2021	9	9.1	9.1.5.1	2300054426	1049	51	36.2	31	5.4	14.5	4.2	167	60.9	36.38	76.10	1	1	1	1	1	39.72	52.19432387
13063	28/01/2021	9	9.1	9.1.5.1	2300054582	1016	16	28.5	30	3.2	7.5	2.3	96	17.3	17.97	75.89	1	1	1	1	1	57.92	76.32213882
13064	28/01/2021	9	9.1	9.1.5.1	2300054577	935	135	60.2	30	3.6	22.9	3.03	108	69.4	64.25	75.37	1	1	0	0	0	11.12	14.75756638
13065	28/01/2021	9	9.1	9.1.5.1	2300054365	1031	123	52.6	33	7.03	23.8	5.2	232	123.8	53.35	75.98	1	1	1	1	1	22.64	29.79200069
13066	28/01/2021	9	9.1	9.1.5.1	2300054464	1089	120	48	32	7.2	22.1	5.1	230	112.7	48.92	76.36	1	1	1	1	1	27.44	35.93230774
13067	28/01/2021	9	9.1	9.1.5.1	2300054589	1093	133	58.1	32	7.3	24.8	5.5	234	136.4	58.39	76.38	1	1	1	1	0	17.99	23.55394919
13068	28/01/2021	9	9.1	9.1.5.1	-	527	20	18.5	30	2.4	20.2	1.4	72	28.3	39.28	72.76	1	1	1	1	1	33.48	46.01645742
13069	28/01/2021	9	9.1	9.1.5.1	2300054594	1103	24	20.5	30	2.5	18.5	1.4	75	25.9	34.53	76.45	1	1	1	1	1	41.91	54.82602788

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13070	28/01/2021	9	9.1	9.1.5.2	2300055027	1001	20	30.2	30	2.6	19.2	1.6	78	30.7	39.38	75.79	1	1	1	1	1	36.41	48.03619441
13071	28/01/2021	9	9.1	9.1.5.2	2300054341	884	111	56.7	20	3.9	15.6	3	78	46.8	60.00	75.04	1	1	1	1	0	15.04	20.04647965
13072	28/01/2021	9	9.1	9.1.5.2	2300054334	880	115	48.7	31	4.9	20.9	3.7	152	77.3	50.91	75.02	1	1	1	1	1	24.11	32.1382969
13073	28/01/2021	9	9.1	9.1.5.2	2300054329	522	36	36.7	29	4.6	13.5	3.7	133	50.0	37.44	72.73	1	1	1	1	1	35.28	48.51447044
13074	28/01/2021	9	9.1	9.1.5.2	2300054335	721	10	26.7	30	5.2	12.3	3.5	156	43.1	27.60	74.00	1	1	1	1	1	46.40	62.70810179
13075	28/01/2021	9	9.1	9.1.5.2	2300054340	696	43	19.5	30	5.7	11.1	3.1	171	34.4	20.12	73.84	1	1	1	1	1	53.72	72.74824213
13076	28/01/2021	9	9.1	9.1.5.2	2300054323	1061	43	34	30	4.6	11.1	3.1	138	34.4	24.93	76.18	1	1	1	1	1	51.24	67.26705041
13077	28/01/2021	9	9.1	9.1.5.2	2300054496	1040	36	27.9	21	5.6	6.2	0.3	118	1.9	1.58	76.04	1	1	1	1	1	74.46	97.92005385
13078	28/01/2021	9	9.1	9.1.5.2	-	996	54	30.8	28	5.9	12.1	4.3	165	52.0	31.50	75.76	1	1	1	1	1	44.27	58.42794206
13079	28/01/2021	9	9.1	9.1.5.2	-	932	41	34.9	30	5.2	13.4	4.2	156	56.3	36.08	75.35	1	1	1	1	1	39.27	52.12138016
13080	28/01/2021	9	9.1	9.1.5.2	2300054244	811	53	35.9	30	6.1	13.9	4.9	183	68.1	37.22	74.58	1	1	1	1	1	37.36	50.09335496
13081	28/01/2021	9	9.1	9.1.5.2	2300054245	989	24	14.7	30	3.5	5.4	3	105	16.2	15.43	75.72	1	1	1	1	1	60.29	79.62299522
13082	28/01/2021	9	9.1	9.1.5.2	-	1101	26	52.1	20	3.5	13.6	2.1	70	28.6	40.80	76.43	1	1	1	1	1	35.63	46.61949644
13083	28/01/2021	9	9.1	9.1.5.2	2300054321	751	45	38.9	30	4.2	13.4	3.1	126	41.5	32.97	74.19	1	1	1	1	1	41.22	55.56383947
13084	28/01/2021	9	9.1	9.1.5.2	-	754	44	36.6	32	4.7	14.3	3.8	150	54.3	36.13	74.21	1	1	1	1	1	38.08	51.31445872
13085	28/01/2021	9	9.1	9.1.5.2	2300054343	756	58	46.5	21	4.5	12.8	3.5	95	44.8	47.41	74.22	1	1	1	1	1	26.82	36.12961855
13086	28/01/2021	9	9.1	9.1.5.2	2300054336	753	41	48.7	30	5.09	12.4	4.08	153	50.6	33.13	74.21	1	1	1	1	1	41.07	55.35133569
13087	28/01/2021	9	9.1	9.1.5.2	2300054493	748	54	40.7	28	4.5	14.9	3.5	126	52.2	41.39	74.17	1	1	1	1	1	32.78	44.199672
13088	28/01/2021	9	9.1	9.1.5.2	2300054322	739	28	33.2	30	4.4	13	3.4	132	44.2	33.48	74.12	1	1	1	1	1	40.63	54.82078202
13089	28/01/2021	9	9.1	9.1.5.2	2300054342	747	89	56.1	21	4.9	14.4	4.07	103	58.6	56.96	74.17	1	1	1	1	0	17.21	23.20516967
13090	28/01/2021	9	9.1	9.1.5.2	2300054345	768	89	43.3	31	4.7	4.97	3.2	146	15.9	10.92	74.30	1	1	1	1	1	63.39	85.30901256
13091	28/01/2021	9	9.1	9.1.5.2	2300054556	746	75	54.3	21	4.7	13.4	3.9	99	52.3	52.95	74.16	1	1	1	1	1	21.21	28.60296295
13092	28/01/2021	9	9.1	9.1.5.2	2300054344	742	49	39.8	30	4.8	14.1	4.2	144	59.2	41.13	74.13	1	1	1	1	1	33.01	44.52672699
13093	28/01/2021	9	9.1	9.1.5.2	2300054359	734	42	39	27	4.6	13.1	3.8	124	49.8	40.08	74.08	1	1	1	1	1	34.00	45.89826183
13094	28/01/2021	9	9.1	9.1.1.1	NA	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
13095	28/01/2021	9	9.1	9.1.6.1	2300054410	723	35	36.3	31	4.7	13.6	3.9	146	53.0	36.40	74.01	1	1	1	1	1	37.61	50.81476145
13096	28/01/2021	9	9.1	9.1.6.1	2300054522	720	20	18.2	30	2.4	20.4	1.2	72	24.5	34.00	73.99	1	1	1	1	1	39.99	54.05032841
13097	28/01/2021	9	9.1	9.1.6.1	2300054743	701	114	52.9	30	4.7	20.6	3.7	141	76.2	54.06	73.87	1	1	1	1	1	19.82	26.82417576
13098	28/01/2021	9	9.1	9.1.6.1	2300054745	700	7	42.7	31	4.9	15.5	4.3	152	66.7	43.88	73.87	1	1	1	1	1	29.99	40.59844716
13099	28/01/2021	9	9.1	9.1.6.1	2300054744	691	120	49.7	32	4.7	20.7	3.5	150	72.5	48.17	73.81	1	1	1	1	1	25.64	34.73433572

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13100	28/01/2021	9	9.1	9.1.6.1	2300054009	713	92	62.5	21	4.6	15.3	3.9	97	59.7	61.77	73.95	1	1	1	0	0	12.18	16.46943262
13101	28/01/2021	9	9.1	9.1.6.1	2300054680	715	50	40.9	31	4.5	15.3	3.8	140	58.1	41.68	73.96	1	1	1	1	1	32.28	43.65022666
13102	28/01/2021	9	9.1	9.1.6.1	-	711	52	40.6	29	4.8	14.6	3.9	139	56.9	40.91	73.94	1	1	1	1	1	33.03	44.67519055
13103	28/01/2021	9	9.1	9.1.6.1	2300054614	700	91	56.5	24	4.7	16.1	4.04	113	65.0	57.66	73.87	1	1	1	1	0	16.20	21.93550406
13104	28/01/2021	9	9.1	9.1.6.1	2300054993	696	46	16.8	31	4.6	15.7	2.5	143	39.3	27.52	73.84	1	1	1	1	1	46.32	62.72427536
13105	28/01/2021	9	9.1	9.1.6.1	2300054645	699	16	54.6	19	2.5	14.8	1.8	48	26.6	56.08	73.86	1	1	1	1	0	17.78	24.06645781
13106	28/01/2021	9	9.1	9.1.6.1	2300054643	693	46	63.2	31	4.6	25.3	3.7	143	93.6	65.65	73.82	1	1	0	0	0	8.18	11.07546167
13107	28/01/2021	9	9.1	9.1.6.1	2300054692	693	73	45.7	29	4.6	16.5	3.7	133	61.1	45.76	73.82	1	1	1	1	1	28.06	38.00613145
13108	28/01/2021	9	9.1	9.1.6.1	2300054701	670	102	47	21	4.5	15.9	3.7	95	58.8	62.25	73.67	1	1	1	0	0	11.42	15.50076248
13109	28/01/2021	9	9.1	9.1.6.1	2300054660	650	122	43.1	30	4.4	20.7	3.4	132	70.4	53.32	73.55	1	1	1	1	1	20.23	27.50362791
13110	28/01/2021	9	9.1	9.1.6.1	-	672	54	43.9	20	4.3	13.3	4.3	86	57.2	66.50	73.69	1	0	0	0	0	7.19	9.753171531
13111	28/01/2021	9	9.1	9.1.6.1	2300054682	670	43	39.8	28	4.6	14.5	3.7	129	53.7	41.65	73.67	1	1	1	1	1	32.02	43.46210779
13112	28/01/2021	9	9.1	9.1.6.1	2300054644	669	14	32.7	30	4.1	13.3	3.1	123	41.2	33.52	73.67	1	1	1	1	1	40.15	54.4978726
13113	28/01/2021	9	9.1	9.1.6.1	2300054416	672	46	41.1	32	4.6	15.5	2.5	147	38.8	26.32	73.69	1	1	1	1	1	47.36	64.27483856
13114	28/01/2021	9	9.1	9.1.6.1	2300054412	660	41	20.1	32	3.6	7	2.1	115	14.7	12.76	73.61	1	1	1	1	1	60.85	82.66483268
13115	28/01/2021	9	9.1	9.1.6.1	2300054578	650	26	33.7	31	3.3	16.2	3.2	102	51.8	50.67	73.55	1	1	1	1	1	22.87	31.09824218
13116	28/01/2021	9	9.1	9.1.6.1	2300054738	641	65	40.8	32	4.3	16.8	3.3	138	55.4	40.29	73.49	1	1	1	1	1	33.20	45.17407145
13117	28/01/2021	9	9.1	9.1.6.1	2300054423	635	48	44.4	31	4.4	16.3	3.7	136	60.3	44.22	73.45	1	1	1	1	1	29.23	39.80184817
13118	28/01/2021	9	9.1	9.1.6.1	2300054602	629	103	61.8	31	4.4	15	3.7	136	55.5	40.69	73.41	1	1	1	1	1	32.72	44.57395077
13119	28/01/2021	9	9.1	9.1.6.2	2300054547	750	123	52.9	30	5.4	21	4.2	162	88.2	54.44	74.19	1	1	1	1	1	19.74	26.61089094
13120	28/01/2021	9	9.1	9.1.6.2	2300054539	791	37	36.6	21	4.1	11.4	2.7	86	30.8	35.75	74.45	1	1	1	1	1	38.70	51.98133349
13121	28/01/2021	9	9.1	9.1.6.2	2300054548	785	126	56.8	31	5	22.4	4.02	155	90.0	58.10	74.41	1	1	1	1	0	16.31	21.92516615
13122	28/01/2021	9	9.1	9.1.6.2	-	795	60	77.1	21	5.01	12.5	3.9	105	48.8	46.34	74.47	1	1	1	1	1	28.14	37.78244806
13123	28/01/2021	9	9.1	9.1.6.2	2300054935	815	57	36.2	32	5.6	14	4.6	179	64.4	35.94	74.60	1	1	1	1	1	38.66	51.82769899
13124	28/01/2021	9	9.1	9.1.6.2	2300054449	815	136	54.6	31	5.6	22.4	4.3	174	96.3	55.48	74.60	1	1	1	1	1	19.12	25.62683176
13125	28/01/2021	9	9.1	9.1.6.2	2300054559	812	53	43.5	32	4.4	12.7	3.4	141	43.2	30.67	74.58	1	1	1	1	1	43.92	58.88111785
13126	28/01/2021	9	9.1	9.1.6.2	2300054080	813	96	46.7	31	5.07	19.6	3.7	157	72.5	46.14	74.59	1	1	1	1	1	28.45	38.13967561
13127	28/01/2021	9	9.1	9.1.6.2	2300054769	812	44	43.6	20	4.1	11.8	3.1	82	36.6	44.61	74.58	1	1	1	1	1	29.97	40.18760881
13128	28/01/2021	9	9.1	9.1.6.2	-	810	37	33	26	4.8	11.9	3.8	125	45.2	36.23	74.57	1	1	1	1	1	38.34	51.40944836
13129	28/01/2021	9	9.1	9.1.6.2	2300054984	808	45	42.2	22	4.4	11.8	3.3	97	38.9	40.23	74.56	1	1	1	1	1	34.33	46.04508655

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13130	28/01/2021	9	9.1	9.1.6.2	-	814	62	45.7	23	5	13.2	3.8	115	50.2	43.62	74.60	1	1	1	1	1	30.98	41.52819831
13131	28/01/2021	9	9.1	9.1.6.2	2300054978	807	61	50.3	30	4.6	12.8	3.7	138	47.4	34.32	74.55	1	1	1	1	1	40.23	53.96583192
13132	28/01/2021	9	9.1	9.1.6.2	2300054074	794	70	35.5	30	4.8	17.6	3.03	144	53.3	37.03	74.47	1	1	1	1	1	37.43	50.26919985
13133	28/01/2021	9	9.1	9.1.6.2	2300054992	806	15	26.2	27	4.02	10.9	2.6	109	28.3	26.11	74.54	1	1	1	1	1	48.43	64.97364015
13134	28/01/2021	9	9.1	9.1.6.2	2300054989	883	104	45.5	31	4.8	19.7	3.5	149	69.0	46.34	75.04	1	1	1	1	1	28.70	38.24747513
13135	28/01/2021	9	9.1	9.1.6.2	2300054996	577	56	51.1	20	3.7	13.1	3.05	74	40.0	53.99	73.08	1	1	1	1	1	19.09	26.11640689
13136	28/01/2021	9	9.1	9.1.6.2	2300054599	826	36	30.4	30	5.1	12.2	3.9	153	47.6	31.10	74.67	1	1	1	1	1	43.57	58.35403815
13137	28/01/2021	9	9.1	9.1.6.2	2300054584	819	21	26	29	4.9	11.5	3.2	142	36.8	25.90	74.63	1	1	1	1	1	48.73	65.29801916
13138	28/01/2021	9	9.1	9.1.6.2	2300054580	818	32	29.9	29	4.8	11.3	3.08	139	34.8	25.00	74.62	1	1	1	1	1	49.62	66.49360562
13139	28/01/2021	9	9.1	9.1.6.2	2300054276	820	17	27	29	4.2	11	2.8	122	30.8	25.29	74.63	1	1	1	1	1	49.35	66.11818163
13140	28/01/2021	9	9.1	9.1.6.2	2300054529	820	36	33.3	28	4.7	11.9	3.8	132	45.2	34.36	74.63	1	1	1	1	1	40.27	53.9597206
13141	28/01/2021	9	9.1	9.1.6.2	2300054576	820	27	30.5	27	4.3	11.2	2.8	116	31.4	27.01	74.63	1	1	1	1	1	47.62	63.80845561
13142	28/01/2021	9	9.1	9.1.6.2	2300054683	830	88	45.6	30	5.2	18.3	4.04	156	73.9	47.39	74.70	1	1	1	1	1	27.31	36.55478367
13143	28/01/2021	10	10.1	10.1.1.1	2300042672	825	124	0.487	34.8	7.14	20.6	6.01	248	123.8	49.83	74.67	1	1	1	1	1	24.84	33.2668922
13144	28/01/2021	10	10.1	10.1.1.1	NA	1027	99	64.3	21	6.8	14.7	6.46	143	95.0	66.50	75.96	1	1	0	0	0	9.46	12.45254006
13145	28/01/2021	10	10.1	10.1.1.1	NA	1025	94	60.4	21	6.73	14.8	6	141	88.8	62.83	75.95	1	1	1	0	0	13.11	17.26796598
13146	28/01/2021	10	10.1	10.1.1.1	NA	1045	94	59	21	7.05	14.4	6.24	148	89.9	60.69	76.07	1	1	1	1	0	15.38	20.2184595
13147	28/01/2021	10	10.1	10.1.1.1	NA	1052	97	41.7	30	6.99	14.5	6.12	210	88.7	42.32	76.12	1	1	1	1	1	33.80	44.40585431
13148	28/01/2021	10	10.1	10.1.1.1	NA	1053	96	44.8	30	6.39	14.8	5.96	192	88.2	46.01	76.13	1	1	1	1	1	30.11	39.55541285
13149	28/01/2021	10	10.1	10.1.1.1	NA	1047	80	31	20	7.26	12.5	5.82	145	72.8	50.10	76.09	1	1	1	1	1	25.98	34.1498055
13150	28/01/2021	10	10.1	10.1.1.1	NA	1057	82	39.1	30	6.72	17.3	4.63	202	80.1	39.73	76.15	1	1	1	1	1	36.42	47.82504343
13151	28/01/2021	10	10.1	10.1.1.1	NA	1040	90	36.6	30	7.32	13.3	6.25	220	83.1	37.85	76.04	1	1	1	1	1	38.19	50.22104312
13152	28/01/2021	10	10.1	10.1.1.1	NA	1039	82	33.8	30	7.23	13	5.84	217	75.9	35.00	76.04	1	1	1	1	1	41.03	53.96589859
13153	28/01/2021	10	10.1	10.1.1.1	NA	1039	75	35.8	30	6.46	16.8	4.28	194	71.9	37.10	76.04	1	1	1	1	1	38.93	51.20421594
13154	28/01/2021	10	10.1	10.1.1.1	NA	1029	93	41.3	30	6.9	16.2	5.43	207	88.0	42.50	75.97	1	1	1	1	1	33.48	44.0637657
13155	28/01/2021	10	10.1	10.1.1.1	NA	1015	85	39	30	6.76	17.1	4.75	203	81.2	40.05	75.88	1	1	1	1	1	35.83	47.21834539
13156	28/01/2021	10	10.1	10.1.1.1	NA	605	89	48.2	30	4.27	18.8	3.42	128	64.3	50.19	73.26	1	1	1	1	1	23.07	31.4859299
13157	28/01/2021	10	10.1	10.1.1.1	NA	827	93	62.3	23	5.13	16.5	4.43	118	73.1	61.95	74.68	1	1	1	0	0	12.73	17.04450893
13158	28/01/2021	10	10.1	10.1.1.1	NA	1020	94	64	20	6.62	15	5.92	132	88.8	67.07	75.91	1	1	0	0	0	8.84	11.65070158
13159	28/01/2021	10	10.1	10.1.1.1	NA	887	98	66.5	21	5.9	15.7	5.32	124	83.5	67.41	75.06	1	1	0	0	0	7.65	10.19196009

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13160	28/01/2021	10	10.1	10.1.1.1	NA	887	86	43.6	32	5.98	15.5	5.3	191	82.2	42.93	75.06	1	1	1	1	1	32.13	42.80847923
13161	28/01/2021	10	10.1	10.1.1.1	NA	886	91	63.2	21	5.84	14.8	5.28	123	78.1	63.72	75.06	1	1	1	0	0	11.34	15.10624063
13162	28/01/2021	10	10.1	10.1.1.1	NA	919	97	62.6	21	6.12	15.5	5.52	129	85.6	66.57	75.27	1	1	0	0	0	8.69	11.5511907
13163	28/01/2021	10	10.1	10.1.1.1	NA	962	76	50.2	30	6.6	12.6	5.56	198	70.1	35.38	75.54	1	1	1	1	1	40.16	53.16321584
13164	28/01/2021	10	10.1	10.1.1.1	2300056711	1,001	103	0.616	23.4	6.94	16.0	6.42	162	102.7	63.25	75.79	1	1	1	0	0	12.54	16.54468063
13165	28/01/2021	10	10.1	10.1.1.2	NA	889	101	0.451	34.8	6.26	17.3	5.84	218	101.0	46.38	75.08	1	1	1	1	1	28.70	38.22588086
13166	28/01/2021	10	10.1	10.1.1.2	2300056540	1,004	110	0.423	35.4	7.20	17.9	6.18	255	110.6	43.40	75.81	1	1	1	1	1	32.41	42.75071262
13167	28/01/2021	10	10.1	10.1.1.2	2300057339	949	120	0.648	23.4	7.67	16.8	7.10	179	119.3	66.46	75.46	1	1	0	0	0	9.00	11.92717835
13168	28/01/2021	10	10.1	10.1.1.2	2300056560	918	96	0.659	22.7	6.29	16.7	5.76	143	96.2	67.37	75.26	1	1	0	0	0	7.89	10.48592807
13169	28/01/2021	10	10.1	10.1.1.2	2300043817	917	107	0.682	23.1	6.62	16.9	6.32	153	106.8	69.84	75.25	1	0	0	0	0	5.41	7.18896674
13170	28/01/2021	10	10.1	10.1.1.3	2300043482	897	114	0.649	23.3	7.38	16.8	6.80	172	114.2	66.44	75.13	1	1	0	0	0	8.69	11.56767955
13171	28/01/2021	10	10.1	10.1.1.3	2300036906	943	126	0.458	36.2	7.32	17.8	7.07	265	125.8	47.49	75.42	1	1	1	1	1	27.93	37.03106813
13172	28/01/2021	10	10.1	10.1.1.3	2300056417	942	115	0.633	23.6	7.51	16.8	6.87	177	115.4	65.12	75.41	1	1	0	0	0	10.29	13.65096366
13173	28/01/2021	10	10.1	10.1.1.3	2300036110	889	71	0.543	23.5	5.46	13.0	5.50	128	71.5	55.72	75.08	1	1	1	1	1	19.35	25.77559496
13174	28/01/2021	10	10.1	10.1.1.3	2300042528	811	119	0.629	34.5	5.36	27.1	4.41	185	119.5	64.63	74.58	1	1	0	0	0	9.95	13.3392226
13175	28/01/2021	10	10.1	10.1.1.3	2300041918	984	52	0.599	21.5	3.91	15.2	3.38	84	51.4	61.11	75.68	1	1	1	0	0	14.57	19.24985903
13176	28/01/2021	10	10.1	10.1.1.4	2300057292	921	114	0.661	23.6	7.13	17.3	6.61	168	114.4	67.96	75.28	1	0	0	0	0	7.32	9.725703694
13177	28/01/2021	10	10.1	10.1.1.4	2300056562	856	114	0.513	32.9	6.59	22.0	5.17	217	113.7	52.46	74.86	1	1	1	1	1	22.40	29.92605578
13178	28/01/2021	10	10.1	10.1.1.4	2300042685	894	101	0.601	23.2	7.08	15.6	6.47	164	100.9	61.45	75.11	1	1	1	0	0	13.66	18.18672992
13179	28/01/2021	10	10.1	10.1.1.4	2300043952	893	110	0.479	34.8	6.46	20.2	5.43	225	109.7	48.79	75.10	1	1	1	1	1	26.31	35.0330377
13180	28/01/2021	10	10.1	10.1.1.4	2300042367	707	104	0.680	22.8	6.53	17.0	6.11	149	103.9	69.77	73.91	1	0	0	0	0	4.15	5.608214698
13181	28/01/2021	10	10.1	10.1.1.4	2300043959	887	114	0.455	32.5	7.53	16.3	6.98	245	113.8	46.49	75.06	1	1	1	1	1	28.57	38.06445987
13182	28/01/2021	10	10.1	10.1.1.4	2300042382	848	13	0.268	34.5	1.36	11.6	1.10	47	12.8	27.20	74.81	1	1	1	1	1	47.62	63.64916095
13183	28/01/2021	10	10.1	10.1.1.4	2300057465	847	108	0.594	24.9	7.15	16.1	6.71	178	108.0	60.68	74.81	1	1	1	0	0	14.13	18.88485854
13184	28/01/2021	10	10.1	10.1.1.4	2300042526	827	115	0.651	23.9	7.20	17.0	6.74	172	114.6	66.59	74.68	1	1	0	0	0	8.09	10.83773553
13185	28/01/2021	10	10.2	10.2.3.1	NA	898	105	0.417	34.7	7.10	16.0	6.54	246	104.6	42.47	75.13	1	1	1	1	1	32.66	43.47012551
13186	28/01/2021	10	10.2	10.2.3.1	2300056742	976	23	0.651	15.1	2.29	10.0	2.30	35	23.0	66.51	75.63	1	1	0	0	0	9.12	12.05573481
13187	28/01/2021	10	10.2	10.2.3.1	2300056701	828	115	0.630	23.2	7.69	16.2	7.13	178	115.5	64.74	74.69	1	1	0	0	0	9.94	13.31266109
13188	28/01/2021	10	10.2	10.2.3.1	2300056735	961	134	0.538	35.0	6.94	29.5	4.55	243	134.2	55.26	75.54	1	1	1	1	1	20.28	26.84405665
13189	28/01/2021	10	10.2	10.2.3.1	NA	758	135	0.575	34.1	6.72	22.9	5.88	229	134.7	58.76	74.24	1	1	1	1	0	15.48	20.84696477

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13190	28/01/2021	10	10.2	10.2.3.1	2300057334	806	40	0.485	31.4	2.60	21.4	1.89	82	40.4	49.54	74.54	1	1	1	1	1	25.00	33.54042526
13191	28/01/2021	10	10.2	10.2.3.1	2300056700	601	8	0.915	9.2	1.00	8.2	1.04	9	8.5	92.70	73.23	1	1	1	1	1	-19.46	-26.57737856
13192	28/01/2021	10	10.2	10.2.3.1	2300057332	868	115	0.650	23.3	7.45	16.6	6.90	174	114.5	65.98	74.94	1	1	0	0	0	8.96	11.95101741
13193	28/01/2021	10	10.2	10.2.3.1	2300042344	901	106	0.657	23.0	6.87	16.4	6.42	158	105.3	66.63	75.15	1	1	0	0	0	8.52	11.33515715
13194	28/01/2021	10	10.2	10.2.3.1	2300042654	899	130	0.631	34.6	5.87	24.9	5.24	203	130.5	64.24	75.14	1	1	0	0	0	10.90	14.50365375
13195	28/01/2021	10	10.2	10.2.3.2	2300041925	859	113	0.649	23.3	7.38	16.6	6.84	172	113.5	66.03	74.88	1	1	0	0	0	8.85	11.82099538
13196	28/01/2021	10	10.2	10.2.3.2	2300042410	861	113	0.635	23.2	7.56	16.3	6.96	175	113.4	64.68	74.90	1	1	0	0	0	10.21	13.63731811
13197	28/01/2021	10	10.2	10.2.3.2	2300056682	737	128	0.652	23.2	8.34	16.6	7.73	193	128.3	66.32	74.10	1	1	0	0	0	7.78	10.5049679
13198	28/01/2021	10	10.2	10.2.3.2	2300056301	786	125	0.687	33.6	5.33	25.8	4.85	179	125.1	69.87	74.42	1	0	0	0	0	4.55	6.108494764
13199	28/01/2021	10	10.2	10.2.3.2	2300056731	620	135	0.626	23.9	8.86	16.9	8.00	212	135.2	63.85	73.35	1	1	0	0	0	9.51	12.95952191
13200	28/01/2021	10	10.2	10.2.3.2	2300056684	865	115	0.429	33.9	7.67	16.0	7.17	260	114.7	44.12	74.92	1	1	1	1	1	30.80	41.11092753
13201	28/01/2021	10	10.2	10.2.3.2	2300057126	854	109	0.621	23.1	7.34	16.2	6.69	170	108.4	63.92	74.85	1	1	0	0	0	10.93	14.60508621
13202	28/01/2021	10	10.2	10.2.3.2	2300057127	856	23	0.849	11.3	2.38	9.7	2.39	27	23.2	86.20	74.86	1	1	1	0	0	-11.34	-15.1433568
13203	28/01/2021	10	10.2	10.2.3.2	2300056654	839	107	0.419	33.9	7.41	15.7	6.86	251	107.7	42.88	74.76	1	1	1	1	1	31.88	42.64620887
13204	28/01/2021	10	10.2	10.2.3.2	2300056740	807	122	0.630	23.1	8.21	16.2	7.55	190	122.3	64.49	74.55	1	1	0	0	0	10.06	13.49234871
13205	28/01/2021	10	10.2	10.2.3.2	2300056447	860	116	0.638	22.9	7.79	16.0	7.23	178	115.7	64.85	74.89	1	1	0	0	0	10.04	13.41124219
13206	28/01/2021	10	10.2	10.2.3.2	2300057131	852	114	0.625	22.6	7.88	15.5	7.33	178	113.6	63.80	74.84	1	1	0	0	0	11.04	14.75396246
13207	28/01/2021	10	10.2	10.2.3.2	2300042765	876	55	0.615	21.9	4.00	16.1	3.42	88	55.1	62.86	74.99	1	1	1	0	0	12.14	16.1832874
13208	28/01/2021	10	10.2	10.2.3.3	2300047319	812	28	0.812	12.1	2.76	10.0	2.77	33	27.7	82.94	74.58	1	1	0	0	0	-8.36	-11.21071501
13209	28/01/2021	10	10.2	10.2.3.3	2300057281	790	8	0.392	34.3	0.56	16.3	0.47	19	7.7	39.88	74.44	1	1	1	1	1	34.56	46.42214992
13210	28/01/2021	10	10.2	10.2.3.3	2300057345	883	12	0.737	33.2	0.47	22.2	0.53	16	11.8	75.40	75.04	0	0	0	0	0	-0.37	-0.48848122
13211	28/01/2021	10	10.2	10.2.3.3	2300057338	883	15	0.899	33.2	0.48	27.9	0.52	16	14.5	91.04	75.04	1	1	1	1	0	-16.00	-21.32536479
13212	28/01/2021	10	10.2	10.2.3.3	2300057325	877	9	0.644	33.1	0.41	18.1	0.50	14	9.1	66.69	75.00	1	1	0	0	0	8.31	11.08348879
13213	28/01/2021	10	10.2	10.2.3.3	2300057278	883	7	0.627	32.7	0.33	23.0	0.30	11	6.9	63.94	75.04	1	1	0	0	0	11.10	14.78603408
13214	28/01/2021	10	10.2	10.2.3.3	2300057311	822	9	0.602	34.4	0.41	24.5	0.35	14	8.6	60.80	74.65	1	1	1	0	0	13.85	18.5519606
13215	28/01/2021	10	10.2	10.2.3.3	2300057333	842	16	0.332	34.0	1.42	17.3	0.95	48	16.4	34.04	74.77	1	1	1	1	1	40.73	54.47529011
13216	28/01/2021	10	10.2	10.2.3.3	2300057322	840	33	0.365	34.0	2.57	17.3	1.88	87	32.5	37.22	74.76	1	1	1	1	1	37.54	50.21356824
13217	28/01/2021	10	10.2	10.2.3.3	2300057283	841	57	0.372	34.6	4.37	16.8	3.43	151	57.6	38.11	74.77	1	1	1	1	1	36.66	49.02845721
13218	28/01/2021	10	10.2	10.2.3.3	2300057320	867	109	0.436	34.2	7.09	18.6	5.83	242	108.4	44.72	74.93	1	1	1	1	1	30.21	40.32044101

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13219	28/01/2021	10	10.2	10.2.3.3	2300042378	812	26	0.366	34.0	2.07	17.2	1.54	70	26.5	37.64	74.58	1	1	1	1	1	36.95	49.5383762
13220	28/01/2021	10	10.2	10.2.3.4	2300057335	836	127	0.504	34.0	7.25	21.8	5.85	247	127.5	51.74	74.74	1	1	1	1	1	23.00	30.77495261
13221	28/01/2021	10	10.2	10.2.3.4	2300057291	848	105	0.443	33.9	6.80	17.7	5.91	231	104.6	45.38	74.81	1	1	1	1	1	29.43	39.34398073
13222	28/01/2021	10	10.2	10.2.3.4	2300057307	772	28	0.352	34.1	2.32	17.3	1.64	79	28.4	35.86	74.33	1	1	1	1	1	38.46	51.74946293
13223	28/01/2021	10	10.2	10.2.3.4	2300057286	891	11	0.382	33.9	0.82	15.6	0.70	28	10.9	39.28	75.09	1	1	1	1	1	35.80	47.68379446
13224	28/01/2021	10	10.2	10.2.3.4	NA	738	96	62.1	20	5.3	14.6	4.7	106	68.6	64.74	74.11	1	1	0	0	0	9.37	12.64802608
13225	28/01/2021	10	10.2	10.2.3.4	NA	706	95	67.5	30	4.29	23.6	4.6	129	108.6	84.35	73.90	1	1	0	0	0	-10.45	-14.1355648
13226	28/01/2021	10	10.2	10.2.3.4	NA	903	89	45.1	28	6.38	15	5.47	179	82.1	45.93	75.17	1	1	1	1	1	29.23	38.89411225
13227	28/01/2021	10	10.2	10.2.3.4	NA	916	96	43.8	31	6.51	15.4	5.87	202	90.4	44.79	75.25	1	1	1	1	1	30.45	40.47233196
13228	28/01/2021	10	10.2	10.2.3.4	NA	755	73	44.6	32	5.36	16	4.88	172	78.1	45.52	74.22	1	1	1	1	1	28.70	38.66395206
13229	28/01/2021	10	10.2	10.2.3.4	NA	953	95	40.8	31	7	14.3	6.28	217	89.8	41.38	75.49	1	1	1	1	1	34.10	45.17556846
13230	28/01/2021	10	10.2	10.2.3.4	2300056978	893	18	0.513	33.4	1.01	20.3	0.88	34	17.9	52.96	75.10	1	1	1	1	1	22.15	29.48784415
13231	28/01/2021	10	10.2	10.2.3.4	2300056729	889	10	0.395	33.2	0.77	17.6	0.60	26	10.6	41.31	75.08	1	1	1	1	1	33.77	44.9780095
13232	28/01/2021	10	10.2	10.2.3.4	2300056737	904	14	0.497	33.4	0.83	22.8	0.62	28	14.1	50.99	75.17	1	1	1	1	1	24.18	32.1658819
13233	28/01/2021	10	10.2	10.2.3.4	2300056677	906	9	0.392	33.3	0.67	17.9	0.51	22	9.1	40.92	75.18	1	1	1	1	1	34.27	45.57775757
13234	28/01/2021	10	10.2	10.2.3.4	2300056679	823	16	0.407	35.0	1.09	27.3	0.58	38	15.8	41.50	74.65	1	1	1	1	1	33.15	44.40347211
13235	28/01/2021	10	10.2	10.2.3.4	2300057132	897	12	0.348	34.9	0.93	17.1	0.68	32	11.6	35.83	75.13	1	1	1	1	1	39.30	52.31280727
13236	28/01/2021	10	10.2	10.2.3.4	2300054134	846	14	0.353	33.3	1.12	15.0	0.91	37	13.7	36.60	74.80	1	1	1	1	1	38.20	51.07098478
13237	28/01/2021	10	10.2	10.2.3.4	2300056678	901	12	0.442	33.7	0.81	23.9	0.52	27	12.4	45.53	75.15	1	1	1	1	1	29.62	39.418019
13238	28/01/2021	10	10.2	10.2.3.4	2300056683	901	12	0.422	33.7	0.79	17.1	0.68	27	11.6	43.68	75.15	1	1	1	1	1	31.48	41.88273388
13239	28/01/2021	10	10.2	10.2.3.4	2300056736	890	19	0.582	33.9	0.91	18.6	1.00	31	18.6	60.29	75.08	1	1	1	0	0	14.79	19.69621399
13240	28/01/2021	10	10.2	10.2.3.4	2300057280	907	10	0.464	33.8	0.65	15.8	0.67	22	10.6	48.18	75.19	1	1	1	1	1	27.01	35.91784218
13241	29/01/2021	10	10.2	10.2.3.4	2300056687	907	22	0.591	33.8	1.09	20.5	1.10	37	22.6	61.21	75.19	1	1	1	0	0	13.98	18.59733141
13242	29/01/2021	10	10.2	10.2.3.4	2300057285	809	25	0.642	33.9	1.09	19.9	1.23	37	24.5	66.24	74.56	1	1	0	0	0	8.32	11.16070086
13243	29/01/2021	10	10.2	10.2.3.4	2300057331	810	112	0.557	33.3	5.87	21.7	5.14	195	111.5	57.06	74.57	1	1	1	1	0	17.51	23.47975092
13244	29/01/2021	10	10.2	10.2.4.1	NA	879	74	0.389	34.3	5.38	17.4	4.23	185	73.6	39.89	75.01	1	1	1	1	1	35.13	46.82778026
13245	29/01/2021	10	10.2	10.2.4.1	2300035533	889	48	0.375	34.0	3.64	17.0	2.79	124	47.4	38.32	75.08	1	1	1	1	1	36.75	48.95255473
13246	29/01/2021	10	10.2	10.2.4.1	NA	889	49	0.373	33.9	3.75	16.8	2.89	127	48.6	38.19	75.08	1	1	1	1	1	36.88	49.12817163
13247	29/01/2021	10	10.2	10.2.4.1	2300067766	892	74	0.402	34.0	5.27	17.7	4.19	179	74.2	41.39	75.09	1	1	1	1	1	33.70	44.88270543
13248	29/01/2021	10	10.2	10.2.4.1	NA	884	62	0.378	34.3	4.62	17.4	3.52	158	61.2	38.65	75.04	1	1	1	1	1	36.39	48.49585805

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13249	29/01/2021	10	10.2	10.2.4.2	2300035493	778	132	0.597	33.8	6.38	23.3	5.65	216	131.6	61.05	74.37	1	1	1	0	0	13.32	17.9086799
13250	29/01/2021	10	10.2	10.2.4.2	2300035063	869	17	0.809	11.2	1.89	9.2	1.90	21	17.5	82.58	74.95	1	1	0	0	0	-7.63	-10.18027987
13251	29/01/2021	10	10.2	10.2.4.2	NA	786	117	0.422	34.3	7.87	16.1	7.26	270	116.9	43.30	74.42	1	1	1	1	1	31.12	41.81313113
13252	29/01/2021	10	10.2	10.2.4.2	2300035090	726	60	0.509	22.9	5.05	12.0	5.02	116	60.2	52.09	74.03	1	1	1	1	1	21.94	29.63830807
13253	29/01/2021	10	10.2	10.2.4.2	2300044041	805	120	0.434	34.4	7.85	15.7	7.66	270	120.3	44.53	74.54	1	1	1	1	1	30.00	40.25210802
13254	29/01/2021	10	10.2	10.2.4.2	2300035896	796	15	0.783	11.4	1.67	9.1	1.67	19	15.2	79.82	74.48	1	0	0	0	0	-5.34	-7.17525873
13255	29/01/2021	10	10.2	10.2.4.2	2300035331	726	21	0.545	17.9	2.13	11.3	1.88	38	21.2	55.72	74.03	1	1	1	1	0	18.31	24.73694727
13256	29/01/2021	10	10.2	10.2.4.2	2300035382	855	108	0.607	22.8	7.62	15.3	7.08	174	108.3	62.35	74.86	1	1	1	0	0	12.51	16.70927347
13257	29/01/2021	10	10.2	10.2.4.2	2300067767	770	105	0.450	33.9	6.70	16.1	6.52	227	105.0	46.22	74.31	1	1	1	1	1	28.10	37.80888649
13258	29/01/2021	10	10.2	10.2.4.3	2300028883	893	8	0.305	34.0	0.77	10.6	0.77	26	8.2	31.18	75.10	1	1	1	1	1	43.92	58.4873869
13259	29/01/2021	10	10.2	10.2.4.3	2300028796	901	107	0.609	23.1	7.41	15.4	6.93	171	106.7	62.35	75.15	1	1	1	0	0	12.80	17.03767526
13260	29/01/2021	10	10.2	10.2.4.3	2300029236	869	27	0.797	12.5	2.64	10.1	2.65	33	26.8	81.11	74.95	1	0	0	0	0	-6.16	-8.217021767
13261	29/01/2021	10	10.2	10.2.4.3	2300028866	868	121	0.631	23.4	7.94	16.5	7.30	186	120.5	64.83	74.94	1	1	0	0	0	10.11	13.49328877
13262	29/01/2021	10	10.2	10.2.4.3	2300028887	892	9	0.436	33.6	0.62	20.7	0.45	21	9.3	44.71	75.09	1	1	1	1	1	30.38	40.45544864
13263	29/01/2021	10	10.2	10.2.4.3	2300035513	754	6	0.581	33.2	0.31	21.3	0.28	10	6.0	57.95	74.21	1	1	1	1	0	16.26	21.91527913
13264	29/01/2021	10	10.2	10.2.4.4	NA	851	20	0.489	34.2	1.15	22.4	0.88	39	19.7	50.12	74.83	1	1	1	1	1	24.71	33.0243295
13265	29/01/2021	10	10.2	10.2.4.4	2300029656	908	9	0.348	34.6	0.72	13.3	0.67	25	8.9	35.77	75.20	1	1	1	1	1	39.43	52.43185905
13266	29/01/2021	10	10.2	10.2.4.4	2300029557	886	33	0.605	19.4	2.75	14.5	2.27	53	32.9	61.70	75.06	1	1	1	0	0	13.36	17.80002119
13267	29/01/2021	10	10.2	10.2.4.4	2300029257	881	96	0.628	22.0	6.77	15.3	6.25	149	95.6	64.20	75.02	1	1	0	0	0	10.82	14.4228995
13268	29/01/2021	10	10.2	10.2.4.4	2300029263	895	112	0.446	33.9	7.20	16.1	6.93	244	111.6	45.71	75.11	1	1	1	1	1	29.40	39.14363246
13269	29/01/2021	10	10.2	10.2.4.4	2300029260	882	8	0.396	33.8	0.59	14.5	0.56	20	8.1	40.72	75.03	1	1	1	1	1	34.31	45.73150967
13270	29/01/2021	10	10.2	10.2.4.4	2300028794	856	8	0.431	33.9	0.52	17.4	0.45	18	7.8	44.42	74.86	1	1	1	1	1	30.45	40.66876725
13271	29/01/2021	10	10.2	10.2.4.4	2300028853	845	9	0.363	33.3	0.74	13.2	0.69	25	9.1	36.96	74.79	1	1	1	1	1	37.83	50.5825526
13272	29/01/2021	10	10.2	10.2.4.4	2300028879	844	11	0.432	33.7	0.73	19.8	0.55	25	10.9	44.27	74.79	1	1	1	1	1	30.52	40.81038403
13273	29/01/2021	10	10.2	10.2.4.4	2300028886	841	7	0.332	33.5	0.60	20.5	0.34	20	7.0	34.68	74.77	1	1	1	1	1	40.09	53.62129333
13274	29/01/2021	10	10.2	10.2.4.4	2300029261	854	6	0.425	33.7	0.42	19.6	0.31	14	6.1	42.93	74.85	1	1	1	1	1	31.92	42.64946339
13275	29/01/2021	10	10.2	10.2.4.4	2300035491	809	10	0.497	34.0	0.56	15.3	0.64	19	9.8	51.43	74.56	1	1	1	1	1	23.14	31.02724194
13276	29/01/2021	10	10.2	10.2.2.1	2300057623	849	20	0.621	34.2	0.90	24.0	0.82	31	19.7	63.94	74.82	1	1	0	0	0	10.88	14.54428808
13277	29/01/2021	10	10.2	10.2.2.1	2300056673	851	8	0.373	33.8	0.63	16.7	0.49	21	8.2	38.43	74.83	1	1	1	1	1	36.40	48.64702274
13278	29/01/2021	10	10.2	10.2.2.1	2300057150	834	7	0.346	34.1	0.55	19.0	0.35	19	6.7	35.46	74.72	1	1	1	1	1	39.27	52.5488448

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13279	29/01/2021	10	10.2	10.2.2.1	2300057162	843	12	0.461	33.8	0.75	16.7	0.71	25	11.9	46.77	74.78	1	1	1	1	1	28.01	37.45329636
13280	29/01/2021	10	10.2	10.2.2.1	2300057140	849	10	0.472	34.1	0.59	14.8	0.66	20	9.8	48.55	74.82	1	1	1	1	1	26.27	35.10908795
13281	29/01/2021	10	10.2	10.2.2.1	2300043944	872	10	0.414	33.8	0.70	22.5	0.44	24	9.9	41.84	74.97	1	1	1	1	1	33.12	44.18492905
13282	29/01/2021	10	10.2	10.2.2.1	2300057124	878	7	0.338	34.3	0.58	17.4	0.39	20	6.8	34.11	75.01	1	1	1	1	1	40.89	54.52210357
13283	29/01/2021	10	10.2	10.2.2.1	2300043403	881	7	0.411	34.1	0.45	18.9	0.34	15	6.4	41.88	75.02	1	1	1	1	1	33.15	44.18238221
13284	29/01/2021	10	10.2	10.2.2.1	2300043899	837	39	0.567	18.4	3.67	10.7	3.69	68	39.5	58.47	74.74	1	1	1	1	0	16.27	21.77296075
13285	29/01/2021	10	10.2	10.2.2.1	NA	797	87	0.402	34.1	6.21	17.4	5.03	212	87.5	41.33	74.49	1	1	1	1	1	33.16	44.51291153
13286	29/01/2021	10	10.2	10.2.2.1	2300040414	798	76	0.389	34.1	5.61	17.0	4.50	191	76.5	39.99	74.49	1	1	1	1	1	34.50	46.31813887
13287	29/01/2021	10	10.2	10.2.2.1	NA	823	16	0.291	34.1	1.53	18.2	0.85	52	15.5	29.65	74.65	1	1	1	1	1	45.00	60.28120398
13288	29/01/2021	10	10.2	10.2.2.1	NA	827	99	0.584	23.0	7.16	15.1	6.56	165	99.1	60.15	74.68	1	1	1	0	0	14.53	19.45425597
13289	29/01/2021	10	10.2	10.2.2.1	2300043843	820	98	0.589	22.5	7.17	14.8	6.60	161	97.7	60.55	74.63	1	1	1	0	0	14.09	18.87265582
13290	29/01/2021	10	10.2	10.2.2.1	2300057144	813	7	0.294	33.8	0.73	17.3	0.43	25	7.4	30.15	74.59	1	1	1	1	1	44.44	59.57974499
13291	29/01/2021	10	10.2	10.2.2.1	2300057151	804	109	0.459	33.9	6.85	19.8	5.54	232	109.7	47.24	74.53	1	1	1	1	1	27.29	36.62116663
13292	29/01/2021	10	10.2	10.2.2.1	2300056720	812	82	0.401	34.7	5.78	17.9	4.61	201	82.5	41.14	74.58	1	1	1	1	1	33.44	44.83571933
13293	29/01/2021	10	10.2	10.2.2.1	2300057120	824	20	0.288	34.4	1.98	11.3	1.79	68	20.2	29.70	74.66	1	1	1	1	1	44.96	60.22390146
13294	29/01/2021	10	10.2	10.2.2.2	2300057561	848	55	0.377	34.5	4.10	17.2	3.18	141	54.7	38.67	74.81	1	1	1	1	1	36.15	48.31382618
13295	29/01/2021	10	10.2	10.2.2.2	2300042708	840	103	0.608	22.6	7.29	15.5	6.63	165	102.8	62.37	74.76	1	1	1	0	0	12.39	16.56882727
13296	29/01/2021	10	10.2	10.2.2.2	2300042565	847	128	0.542	33.8	6.81	23.4	5.48	230	128.2	55.71	74.81	1	1	1	1	1	19.10	25.52825567
13297	29/01/2021	10	10.2	10.2.2.2	2300042580	846	70	0.391	34.6	5.08	17.4	4.05	176	70.5	40.09	74.80	1	1	1	1	1	34.71	46.40052447
13298	29/01/2021	10	10.2	10.2.2.2	2300042566	843	18	0.309	34.1	1.65	17.6	1.01	56	17.8	31.59	74.78	1	1	1	1	1	43.19	57.7522788
13299	29/01/2021	10	10.2	10.2.2.2	2300042576	837	110	0.611	22.9	7.64	15.5	7.10	175	110.1	62.90	74.74	1	1	1	0	0	11.84	15.8426905
13300	29/01/2021	10	10.2	10.2.2.2	NA	831	13	0.368	34.1	1.02	14.0	0.94	35	13.2	37.84	74.70	1	1	1	1	1	36.87	49.35283313
13301	29/01/2021	10	10.2	10.2.2.2	NA	828	28	0.584	34.3	1.38	21.0	1.35	47	28.4	59.89	74.69	1	1	1	0	0	14.79	19.80536622
13302	29/01/2021	10	10.2	10.2.2.2	NA	835	10	0.399	33.9	0.76	19.7	0.53	26	10.4	40.53	74.73	1	1	1	1	1	34.20	45.77072192
13303	29/01/2021	10	10.2	10.2.2.2	2300042578	844	11	0.383	33.6	0.85	16.5	0.68	29	11.2	39.29	74.79	1	1	1	1	1	35.50	47.47028346
13304	29/01/2021	10	10.2	10.2.2.2	NA	853	10	0.422	33.9	0.67	19.6	0.50	23	9.8	43.15	74.85	1	1	1	1	1	31.70	42.35155177
13305	29/01/2021	10	10.2	10.2.2.2	2300041018	865	11	0.380	33.7	0.86	13.9	0.81	29	11.3	38.85	74.92	1	1	1	1	1	36.07	48.14840683
13306	29/01/2021	10	10.2	10.2.2.2	NA	839	69	0.432	34.3	4.57	15.6	4.47	157	69.7	44.49	74.76	1	1	1	1	1	30.27	40.49162792
13307	29/01/2021	10	10.2	10.2.2.3	2300057135	827	45	0.398	33.6	3.25	25.2	1.77	109	44.6	40.85	74.68	1	1	1	1	1	33.83	45.30421773
13308	29/01/2021	10	10.2	10.2.2.3	2300057158	829	22	0.534	34.3	1.19	24.9	0.89	41	22.2	54.29	74.69	1	1	1	1	1	20.40	27.30969191

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13309	29/01/2021	10	10.2	10.2.2.3	2300057193	841	29	0.505	34.3	1.65	18.5	1.58	57	29.2	51.65	74.77	1	1	1	1	1	23.12	30.92312788
13310	29/01/2021	10	10.2	10.2.2.3	NA	843	9	0.382	34.2	0.64	19.2	0.44	22	8.4	38.60	74.78	1	1	1	1	1	36.18	48.38744066
13311	29/01/2021	10	10.2	10.2.2.3	2300057631	862	39	0.381	34.1	2.94	17.6	2.23	100	39.2	39.15	74.90	1	1	1	1	1	35.75	47.73417996
13312	29/01/2021	10	10.2	10.2.2.3	2300057147	874	91	0.587	22.7	6.64	14.9	6.14	151	91.5	60.70	74.98	1	1	1	0	0	14.28	19.04986381
13313	29/01/2021	10	10.2	10.2.2.3	2300057146	862	137	0.554	33.7	7.12	22.8	6.01	240	137.0	57.11	74.90	1	1	1	1	0	17.79	23.75675505
13314	29/01/2021	10	10.2	10.2.2.3	2300057154	847	95	0.582	22.7	6.97	14.5	6.54	158	94.8	59.94	74.81	1	1	1	0	0	14.87	19.87905964
13315	29/01/2021	10	10.2	10.2.2.3	2300057155	867	137	0.492	34.4	7.83	20.7	6.62	269	137.0	50.88	74.93	1	1	1	1	1	24.06	32.10706591
13316	29/01/2021	10	10.2	10.2.2.3	2300057627	702	73	0.341	35.0	5.98	12.4	5.90	209	73.2	34.95	73.88	1	1	1	1	1	38.92	52.68654796
13317	29/01/2021	10	10.2	10.2.1.1	2300057125	714	13	0.476	34.4	0.75	17.5	0.72	26	12.6	48.84	73.96	1	1	1	1	1	25.12	33.9641497
13318	29/01/2021	10	10.2	10.2.1.1	NA	708	9	0.316	34.3	0.79	14.7	0.59	27	8.7	32.01	73.92	1	1	1	1	1	41.91	56.69853123
13319	29/01/2021	10	10.2	10.2.1.1	2300037881	714	7	0.323	33.8	0.59	17.1	0.38	20	6.5	32.58	73.96	1	1	1	1	1	41.37	55.94046288
13320	29/01/2021	10	10.2	10.2.1.1	2300057219	720	10	0.406	33.8	0.69	15.3	0.63	23	9.6	41.33	73.99	1	1	1	1	1	32.66	44.14401896
13321	29/01/2021	10	10.2	10.2.1.1	2300057226	730	8	0.357	34.3	0.65	21.6	0.38	22	8.2	36.82	74.06	1	1	1	1	1	37.24	50.2883828
13322	29/01/2021	10	10.2	10.2.1.1	2300053686	748	13	0.512	34.2	0.75	20.5	0.65	26	13.3	51.95	74.17	1	1	1	1	1	22.22	29.96214571
13323	29/01/2021	10	10.2	10.2.1.1	2300054392	746	15	0.465	34.2	0.95	24.2	0.64	32	15.5	47.67	74.16	1	1	1	1	1	26.49	35.72034088
13324	29/01/2021	10	10.2	10.2.1.1	NA	748	13	0.474	32.7	0.80	21.1	0.60	26	12.7	48.39	74.17	1	1	1	1	1	25.78	34.7547424
13325	29/01/2021	10	10.2	10.2.1.1	2300054700	748	12	0.522	34.3	0.65	21.0	0.57	22	12.0	53.69	74.17	1	1	1	1	1	20.48	27.61648685
13326	29/01/2021	10	10.2	10.2.1.1	2300057119	734	9	0.418	34.3	0.62	17.9	0.51	21	9.1	42.93	74.08	1	1	1	1	1	31.16	42.05508644
13327	29/01/2021	10	10.2	10.2.1.1	2300053688	716	8	0.333	34.1	0.69	17.5	0.46	24	8.1	34.21	73.97	1	1	1	1	1	39.76	53.74633123
13328	29/01/2021	10	10.2	10.2.1.1	NA	708	6	0.301	34.3	0.57	16.5	0.36	20	5.9	30.38	73.92	1	1	1	1	1	43.54	58.89714756
13329	29/01/2021	10	10.2	10.2.1.1	2300053691	754	49	0.354	35.2	3.84	12.8	3.82	135	48.9	36.17	74.21	1	1	1	1	1	38.04	51.25527219
13330	29/01/2021	10	10.2	10.2.1.1	2300056510	752	32	0.326	34.8	2.75	15.8	2.03	96	32.1	33.52	74.20	1	1	1	1	1	40.68	54.83060169
13331	29/01/2021	10	10.2	10.2.1.1	2300057245	764	66	0.387	34.5	4.83	16.0	4.12	167	65.9	39.56	74.28	1	1	1	1	1	34.72	46.73955336
13332	29/01/2021	10	10.2	10.2.1.1	2300057222	755	76	0.363	34.6	5.88	15.2	4.96	203	75.4	37.06	74.22	1	1	1	1	1	37.16	50.06988198
13333	29/01/2021	10	10.2	10.2.1.1	2300057224	766	59	0.360	34.0	4.71	12.5	4.72	160	59.0	36.84	74.29	1	1	1	1	1	37.45	50.40576647
13334	29/01/2021	10	10.2	10.2.1.1	2300057227	767	32	0.341	34.7	2.61	16.2	1.95	91	31.6	34.88	74.29	1	1	1	1	1	39.41	53.05155354
13335	29/01/2021	10	10.2	10.2.1.1	2300057225	759	51	0.366	34.8	3.87	16.8	3.00	135	50.4	37.42	74.24	1	1	1	1	1	36.82	49.59410792
13336	29/01/2021	10	10.2	10.2.1.1	2300042197	737	55	0.371	34.2	4.25	14.9	3.70	145	55.1	37.93	74.10	1	1	1	1	1	36.17	48.81551498
13337	29/01/2021	10	10.2	10.2.1.1	NA	739	29	0.359	34.4	2.29	17.1	1.70	79	29.1	36.90	74.12	1	1	1	1	1	37.21	50.21007431
13338	29/01/2021	10	10.2	10.2.1.1	2300057124	734	28	0.338	34.3	2.32	16.0	1.73	80	27.7	34.78	74.08	1	1	1	1	1	39.30	53.04715606

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13339	29/01/2021	10	10.2	10.2.1.2	2300057443	738	36	0.346	34.4	2.94	21.9	1.64	101	35.9	35.51	74.11	1	1	1	1	1	38.60	52.08074419
13340	29/01/2021	10	10.2	10.2.1.2	2300042564	732	33	0.334	34.4	2.80	15.9	2.08	96	33.1	34.34	74.07	1	1	1	1	1	39.74	53.64496107
13341	29/01/2021	10	10.2	10.2.1.2	2300057142	723	28	0.343	34.2	2.32	13.9	1.99	79	27.7	34.86	74.01	1	1	1	1	1	39.15	52.89742995
13342	29/01/2021	10	10.2	10.2.1.2	NA	735	19	0.349	34.5	1.51	17.5	1.07	52	18.7	35.94	74.09	1	1	1	1	1	38.15	51.48609994
13343	29/01/2021	10	10.2	10.2.1.2	2300041231	751	34	0.337	34.5	2.89	16.0	2.15	100	34.4	34.50	74.19	1	1	1	1	1	39.69	53.49688074
13344	29/01/2021	10	10.2	10.2.1.2	2300043943	761	44	0.316	34.9	3.86	14.4	3.03	135	43.6	32.39	74.26	1	1	1	1	1	41.87	56.38272811
13345	29/01/2021	10	10.2	10.2.1.2	NA	774	93	0.405	34.6	6.46	17.9	5.19	224	92.9	41.56	74.34	1	1	1	1	1	32.78	44.08973482
13346	29/01/2021	10	10.2	10.2.1.2	2300043897	753	38	0.330	34.9	3.19	13.6	2.76	111	37.5	33.72	74.21	1	1	1	1	1	40.49	54.56426682
13347	29/01/2021	10	10.2	10.2.1.2	NA	724	94	0.376	34.5	7.03	14.3	6.55	243	93.7	38.62	74.02	1	1	1	1	1	35.40	47.82575376
13348	29/01/2021	10	10.2	10.2.1.3	2300057112	760	30	0.348	34.2	2.43	14.2	2.10	83	29.8	35.88	74.25	1	1	1	1	1	38.37	51.6742279
13349	29/01/2021	10	10.2	10.2.1.3	2300057130	777	25	0.425	34.0	1.71	29.9	0.85	58	25.4	43.71	74.36	1	1	1	1	1	30.65	41.21280831
13350	29/01/2021	10	10.2	10.2.1.3	2300053692	776	19	0.352	34.2	1.51	17.4	1.07	52	18.6	36.05	74.35	1	1	1	1	1	38.30	51.51192072
13351	29/01/2021	10	10.2	10.2.1.3	2300053687	764	22	0.390	34.1	1.60	17.7	1.24	55	21.9	40.23	74.28	1	1	1	1	1	34.05	45.84052808
13352	29/01/2021	10	10.2	10.2.1.3	2300057377	775	13	0.301	34.0	1.28	16.5	0.81	44	13.4	30.71	74.35	1	1	1	1	1	43.64	58.69311277
13353	29/01/2021	10	10.2	10.2.1.3	2300057317	796	14	0.355	34.4	1.15	15.2	0.95	40	14.4	36.50	74.48	1	1	1	1	1	37.98	50.99178216
13354	29/01/2021	10	10.2	10.2.1.3	2300057370	799	21	0.415	34.3	1.42	19.0	1.09	49	20.7	42.52	74.50	1	1	1	1	1	31.98	42.92529263
13355	29/01/2021	10	10.2	10.2.1.3	2300057108	798	23	0.402	34.1	1.63	15.4	1.50	56	23.1	41.56	74.49	1	1	1	1	1	32.93	44.21038481
13356	29/01/2021	10	10.2	10.2.1.3	2300057316	800	22	0.426	34.4	1.44	15.5	1.40	50	21.7	43.81	74.51	1	1	1	1	1	30.70	41.20403115
13357	29/01/2021	10	10.2	10.2.1.3	2300042198	802	21	0.403	34.2	1.49	18.9	1.11	51	21.0	41.17	74.52	1	1	1	1	1	33.35	44.75327278
13358	29/01/2021	10	10.2	10.2.1.3	2300042200	799	29	0.419	34.4	1.93	25.5	1.12	66	28.6	43.02	74.50	1	1	1	1	1	31.48	42.25844032
13359	29/01/2021	10	10.2	10.2.1.3	11135231	799	20	0.344	34.7	1.65	15.2	1.33	57	20.2	35.31	74.50	1	1	1	1	1	39.19	52.6055084
13360	29/01/2021	10	10.2	10.2.1.4	2300041223	789	19	0.396	34.0	1.39	16.1	1.20	47	19.3	40.88	74.44	1	1	1	1	1	33.56	45.07972397
13361	29/01/2021	10	10.2	10.2.1.4	2300041482	781	12	0.338	34.5	1.01	17.2	0.70	35	12.0	34.55	74.38	1	1	1	1	1	39.83	53.54802819
13362	29/01/2021	10	10.2	10.2.1.4	2300041234	712	18	0.373	34.4	1.35	18.1	0.98	46	17.7	38.20	73.94	1	1	1	1	1	35.75	48.34450264
13363	29/01/2021	10	10.2	10.2.1.4	2300041238	772	24	0.395	34.5	1.70	16.9	1.40	59	23.7	40.34	74.33	1	1	1	1	1	33.99	45.72481801
13364	29/01/2021	10	10.2	10.2.1.4	2300057491	774	65	0.568	34.3	3.26	29.1	2.24	112	65.2	58.29	74.34	1	1	1	1	0	16.04	21.58320877
13365	29/01/2021	10	10.2	10.2.1.4	2300057176	771	23	0.388	34.5	1.69	28.2	0.82	58	23.1	39.66	74.32	1	1	1	1	1	34.66	46.6359082
13366	29/01/2021	10	10.2	10.2.1.4	2300057424	752	31	0.316	34.3	2.80	11.5	2.69	96	30.9	32.21	74.20	1	1	1	1	1	41.99	56.58887034
13367	29/01/2021	10	10.2	10.2.1.4	2300057421	752	94	0.392	34.6	6.72	14.3	6.57	233	94.0	40.41	74.20	1	1	1	1	1	33.79	45.54231775
13368	29/01/2021	10	10.2	10.2.1.4	2300057639	792	37	0.361	34.2	2.90	15.6	2.34	99	36.5	36.81	74.45	1	1	1	1	1	37.65	50.56623935

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13369	29/01/2021	10	10.2	10.2.1.4	2300057429	796	41	0.330	34.4	3.55	11.0	3.76	122	41.4	33.87	74.48	1	1	1	1	1	40.61	54.5271961
13370	29/01/2021	10	10.2	10.2.1.4	2300057425	807	69	0.387	34.4	5.06	15.6	4.45	174	69.4	39.88	74.55	1	1	1	1	1	34.67	46.50374976
13371	29/01/2021	10	10.2	10.2.1.4	2300057179	801	25	0.359	34.4	1.96	19.1	1.30	67	24.8	36.83	74.51	1	1	1	1	1	37.69	50.57648222
13372	29/01/2021	10	10.2	10.2.1.4	2300057450	788	101	0.418	34.7	6.76	18.2	5.54	235	100.8	42.98	74.43	1	1	1	1	1	31.45	42.24871779
13373	29/01/2021	10	10.2	10.2.1.4	2300041366	784	43	0.415	34.6	2.89	20.2	2.11	100	42.6	42.62	74.40	1	1	1	1	1	31.78	42.71170014
13374	29/01/2021	10	10.2	10.2.1.4	2300041373	786	117	0.610	34.4	5.43	20.5	5.70	187	116.9	62.56	74.42	1	1	1	0	0	11.86	15.93759943
13375	29/01/2021	10	10.2	10.2.2.3	2300057143	791	48	0.351	34.4	3.87	14.5	3.30	133	47.9	35.94	74.45	1	1	1	1	1	38.51	51.72112229
13376	29/01/2021	10	10.2	10.2.2.3	2300042704	811	12	0.330	34.2	1.03	17.1	0.70	35	12.0	33.98	74.58	1	1	1	1	1	40.60	54.43520668
13377	29/01/2021	10	10.2	10.2.2.3	2300057274	810	37	0.366	34.5	2.88	14.7	2.53	99	37.2	37.43	74.57	1	1	1	1	1	37.14	49.80480682
13378	29/01/2021	10	10.2	10.2.2.3	2300057275	812	23	0.350	33.6	1.91	14.3	1.61	64	23.0	35.87	74.58	1	1	1	1	1	38.71	51.89938987
13379	29/01/2021	10	10.2	10.2.2.3	22010122969939	816	28	0.361	34.4	2.21	17.3	1.63	76	28.2	37.09	74.61	1	1	1	1	1	37.52	50.2841047
13380	29/01/2021	10	10.2	10.2.2.3	2300041358	815	28	0.359	34.6	2.23	16.2	1.75	77	28.4	36.74	74.60	1	1	1	1	1	37.86	50.74825403
13381	29/01/2021	10	10.2	10.2.2.3	2300043892	811	28	0.437	34.6	1.81	17.1	1.64	63	28.0	44.78	74.58	1	1	1	1	1	29.80	39.95402933
13382	29/01/2021	10	10.2	10.2.2.3	2300056655	807	19	0.352	34.5	1.54	16.9	1.13	53	19.1	35.94	74.55	1	1	1	1	1	38.61	51.78601549
13383	29/01/2021	10	10.2	10.2.2.3	2300057362	802	33	0.365	34.5	2.52	24.6	1.32	87	32.5	37.35	74.52	1	1	1	1	1	37.17	49.87855886
13384	29/01/2021	10	10.2	10.2.2.3	2300057367	786	75	0.387	34.5	5.48	17.1	4.39	189	75.1	39.71	74.42	1	1	1	1	1	34.71	46.64288732
13385	29/01/2021	10	10.2	10.2.2.3	2300056730	780	93	0.429	34.6	6.06	15.2	6.08	210	92.4	44.08	74.38	1	1	1	1	1	30.30	40.74105053
13386	29/01/2021	10	10.2	10.2.2.3	2300057499	800	27	0.341	34.3	2.29	15.1	1.82	79	27.5	34.99	74.51	1	1	1	1	1	39.52	53.04006525
13387	29/01/2021	10	10.2	10.2.2.4	2300041841	883	122	0.455	33.9	7.67	27.7	4.40	260	121.9	46.87	75.04	1	1	1	1	1	28.16	37.53154522
13388	29/01/2021	10	10.2	10.2.2.4	2300041361	771	126	0.623	32.9	5.99	22.7	5.56	197	126.2	64.04	74.32	1	1	0	0	0	10.28	13.82726243
13389	29/01/2021	10	10.2	10.2.2.4	2300043904	699	133	0.424	34.8	8.84	16.3	8.19	308	133.5	43.40	73.86	1	1	1	1	1	30.46	41.24659431
13390	29/01/2021	10	10.2	10.2.2.4	NA	916	123	0.502	33.8	6.99	20.0	6.12	236	122.4	51.81	75.25	1	1	1	1	1	23.44	31.15216756
13391	29/01/2021	10	10.2	10.2.2.4	2300042459	891	94	0.403	33.6	6.75	15.0	6.27	227	94.1	41.47	75.09	1	1	1	1	1	33.62	44.77408765
13392	29/01/2021	10	10.2	10.2.2.4	2300042790	946	23	0.866	12.2	2.13	10.8	2.14	26	23.1	88.94	75.44	1	1	1	0	0	-13.50	-17.89465402
13393	29/01/2021	10	10.2	10.2.2.4	2300042579	887	108	0.429	34.0	7.22	16.1	6.72	245	108.2	44.07	75.06	1	1	1	1	1	30.99	41.28429579
13394	29/01/2021	10	10.2	10.2.2.4	2300044033	762	26	0.785	12.6	2.61	10.0	2.62	33	26.2	79.67	74.26	1	0	0	0	0	-5.41	-7.280038093
13395	29/01/2021	10	10.2	10.2.2.4	2300042458	699	108	0.445	34.4	6.91	16.9	6.39	238	108.0	45.43	73.86	1	1	1	1	1	28.43	38.49022739
13396	29/01/2021	10	10.2	10.2.2.4	2300041539	812	126	0.689	33.7	5.31	25.7	4.91	179	126.2	70.52	74.58	1	0	0	0	0	4.07	5.452182156
13397	29/01/2021	2	2.1	2.1.6.1	NA	717	105	0.619	22.7	7.26	15.9	6.62	165	105.3	63.87	73.97	1	1	0	0	0	10.11	13.66063779
13398	29/01/2021	2	2.1	2.1.6.2	2201011174553	751	119	0.640	24.3	7.43	16.8	7.08	181	118.9	65.88	74.19	1	1	0	0	0	8.31	11.20509804

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13399	29/01/2021	2	2.1	2.1.6.2	220101073658	753	116	0.637	23.0	7.72	16.3	7.14	178	116.4	65.55	74.21	1	1	0	0	0	8.66	11.67038451
13400	29/01/2021	2	2.1	2.1.6.2	2201012981713	845	18	0.867	11.3	1.75	10.0	1.76	20	17.6	89.00	74.79	1	1	1	0	0	-14.21	-18.99519243
13401	29/01/2021	2	2.1	2.1.7.2	220110111695	769	90	0.388	33.7	6.66	13.6	6.60	224	89.8	39.99	74.31	1	1	1	1	1	34.32	46.17977869
13402	29/01/2021	2	2.2	2.2.2.3	22012530376	862	99	0.426	34.1	6.63	16.9	5.87	226	99.2	43.88	74.90	1	1	1	1	1	31.02	41.41872149
13403	29/01/2021	2	2.2	2.2.2.3	22201012881160	878	101	0.435	34.1	6.55	15.7	6.42	223	100.8	45.13	75.01	1	1	1	1	1	29.88	39.83448645
13404	29/01/2021	2	2.2	2.2.2.4	2201112981514	870	104	0.439	34.0	6.72	17.5	5.94	228	104.0	45.50	74.95	1	1	1	1	1	29.46	39.30100658
13405	29/01/2021	2	2.2	2.2.2.4	2201102479765	905	37	0.379	34.4	2.77	18.1	2.06	95	37.3	39.13	75.18	1	1	1	1	1	36.05	47.95046957
13406	29/01/2021	2	2.2	2.2.2.4	220112881066	867	92	0.618	23.7	6.06	16.5	5.57	144	91.9	63.99	74.93	1	1	0	0	0	10.94	14.60457256
13407	29/01/2021	2	2.2	2.2.3.3	NA	918	26	0.377	34.3	1.97	17.8	1.48	68	26.3	38.99	75.26	1	1	1	1	1	36.27	48.19755803
13408	29/01/2021	2	2.2	2.2.3.4	220120282654	859	129	0.522	34.3	6.98	23.1	5.60	239	129.4	54.03	74.88	1	1	1	1	1	20.85	27.84544552
13409	29/01/2021	2	2.2	2.2.3.4	22011012780729	873	31	0.464	22.6	2.84	10.8	2.86	64	30.9	48.12	74.97	1	1	1	1	1	26.85	35.81153921
13410	29/01/2021	2	2.2	2.2.4.3	1036120002197	871	126	0.479	34.2	7.44	17.9	7.06	254	126.4	49.67	74.96	1	1	1	1	1	25.29	33.74375866
13411	29/01/2021	2	2.2	2.2.5.2	220110180991	873	19	0.498	34.8	1.07	20.5	0.92	37	18.9	50.65	74.97	1	1	1	1	1	24.32	32.44264792
13412	29/01/2021	2	2.2	2.2.5.2	2201250328	840	8	0.366	34.6	0.60	16.4	0.47	21	7.7	37.13	74.76	1	1	1	1	1	37.63	50.33694335
13413	29/01/2021	2	2.2	2.2.5.3	NA	711	18	0.415	33.9	1.27	14.3	1.28	43	18.3	42.52	73.94	1	1	1	1	1	31.42	42.49782299
13414	29/01/2021	2	2.2	2.2.5.4	2201120182135	759	12	0.381	33.8	0.93	15.7	0.78	31	12.2	38.96	74.24	1	1	1	1	1	35.29	47.52703751
13415	29/01/2021	2	2.2	2.2.5.4	220112780771	889	9	0.417	34.0	0.62	15.5	0.58	21	9.0	42.65	75.08	1	1	1	1	1	32.43	43.19451483
13416	29/01/2021	2	2.2	2.2.6.1	2201022169898	897	12	0.502	34.1	0.69	20.1	0.60	24	12.1	51.26	75.13	1	1	1	1	1	23.87	31.7741512
13417	29/01/2021	2	2.2	2.2.6.2	NA	880	17	0.499	33.9	0.98	26.0	0.65	33	16.9	50.87	75.02	1	1	1	1	1	24.15	32.18973382
13418	29/01/2021	2	2.2	2.2.6.3	220102769905	841	12	0.560	33.7	0.62	23.7	0.50	21	11.9	56.71	74.77	1	1	1	1	0	18.05	24.14596759
13419	29/01/2021	2	2.3	2.3.1.1	2220182146	876	9	0.383	33.8	0.64	16.3	0.52	22	8.5	39.18	74.99	1	1	1	1	1	35.81	47.7511157
13420	29/01/2021	2	2.3	2.3.1.1	NA	892	11	0.501	34.1	0.63	18.6	0.59	21	11.0	51.08	75.09	1	1	1	1	1	24.01	31.97631383
13421	29/01/2021	2	2.3	2.3.1.2	220112981658	904	15	0.431	33.9	1.02	21.3	0.72	35	15.3	44.35	75.17	1	1	1	1	1	30.82	40.99912726
13422	29/01/2021	2	2.3	2.3.1.2	220112981657	904	17	0.590	33.9	0.83	19.4	0.87	28	16.9	59.99	75.17	1	1	1	1	0	15.19	20.20247935
13423	29/01/2021	2	2.3	2.3.1.2	2201281652	895	12	0.408	34.0	0.87	18.3	0.68	30	12.4	42.07	75.11	1	1	1	1	1	33.05	43.99317635
13424	29/01/2021	2	2.3	2.3.1.3	220102981665	902	13	0.523	33.8	0.70	16.1	0.80	24	12.9	54.44	75.16	1	1	1	1	1	20.72	27.56953301
13425	29/01/2021	2	2.3	2.3.1.4	NA	899	12	0.528	33.8	0.64	17.7	0.66	22	11.7	54.00	75.14	1	1	1	1	1	21.14	28.12933739
13426	29/01/2021	2	2.3	2.3.1.4	22022468999	893	19	0.490	34.1	1.09	18.4	1.02	37	18.8	50.49	75.10	1	1	1	1	1	24.61	32.76580004
13427	29/01/2021	2	2.3	2.3.2.3	22011074144	864	20	0.461	34.0	1.22	16.7	1.18	41	19.7	47.51	74.92	1	1	1	1	1	27.41	36.5856612
13428	29/01/2021	2	2.3	2.3.2.3	2201111074146	883	16	0.498	34.0	0.95	20.0	0.83	32	16.6	51.39	75.04	1	1	1	1	1	23.64	31.50971937

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13429	29/01/2021	2	2.3	2.3.2.4	220111375804	895	13	0.407	34.0	0.88	24.3	0.52	30	12.6	42.23	75.11	1	1	1	1	1	32.88	43.77530111
13430	29/01/2021	2	2.3	2.3.3.1	220112580425	883	15	0.481	34.2	0.88	18.3	0.81	30	14.8	49.25	75.04	1	1	1	1	1	25.78	34.36269964
13431	29/01/2021	2	2.3	2.3.3.1	220122167607	880	14	0.640	33.9	0.63	19.0	0.74	21	14.1	65.83	75.02	1	1	0	0	0	9.18	12.24343987
13432	29/01/2021	2	2.3	2.3.3.1	220112580429	742	13	0.360	34.1	1.03	21.6	0.60	35	13.0	36.90	74.13	1	1	1	1	1	37.24	50.22729115
13433	29/01/2021	2	2.3	2.3.3.2	22011074239	817	20	0.482	34.4	1.18	18.2	1.11	41	20.2	49.77	74.61	1	1	1	1	1	24.85	33.29952332
13434	29/01/2021	2	2.3	2.3.3.3	22011250423	877	16	0.353	34.8	1.25	13.1	1.20	44	15.7	36.14	75.00	1	1	1	1	1	38.86	51.815321
13435	29/01/2021	2	2.3	2.3.3.3	220102167602	909	15	0.524	33.6	0.82	21.8	0.68	28	14.8	53.80	75.20	1	1	1	1	1	21.40	28.45592949
13436	29/01/2021	2	2.3	2.3.3.3	220012580420	906	21	0.825	33.8	0.72	22.1	0.93	24	20.6	84.46	75.18	1	1	0	0	0	-9.27	-12.33065397
13437	29/01/2021	2	2.3	2.3.3.3	220112580422	926	18	0.529	33.8	0.96	23.9	0.74	32	17.7	54.51	75.31	1	1	1	1	1	20.81	27.62722923
13438	29/01/2021	2	2.3	2.3.3.3	220102468916	949	20	0.570	33.6	0.99	27.1	0.72	33	19.5	58.66	75.46	1	1	1	1	0	16.80	22.26567772
13439	29/01/2021	2	2.3	2.3.4.1	220101168977	938	12	0.457	33.6	0.75	15.3	0.77	25	11.8	46.75	75.39	1	1	1	1	1	28.64	37.98846519
13440	29/01/2021	2	2.3	2.3.4.3	NA	945	11	0.417	33.8	0.73	19.2	0.55	25	10.6	42.80	75.43	1	1	1	1	1	32.64	43.26419512
13441	29/01/2021	2	2.3	2.3.6.1	2201096988	832	20	0.805	33.5	0.73	20.6	0.99	24	20.4	83.39	74.71	1	1	0	0	0	-8.68	-11.62240126
13442	29/01/2021	2	2.3	2.3.6.1	2201101071379	767	12	0.525	32.6	0.70	18.1	0.69	23	12.5	54.73	74.29	1	1	1	1	1	19.57	26.33628666
13443	29/01/2021	2	2.3	2.3.6.4	2201123070349	743	15	0.363	33.6	1.18	14.7	1.00	40	14.7	37.08	74.14	1	1	1	1	1	37.06	49.99235083
13444	29/01/2021	2	2.3	2.3.6.4	220110773286	709	17	0.556	33.7	0.90	19.3	0.90	30	17.4	57.27	73.92	1	1	1	1	0	16.65	22.52808349
13445	29/01/2021	2	2.4	2.4.1.1	2201020382975	886	10	0.378	34.5	0.76	15.4	0.66	26	10.2	38.76	75.06	1	1	1	1	1	36.29	48.35310239
13446	29/01/2021	2	2.4	2.4.1.1	220120382982	873	12	0.491	35.3	0.68	20.6	0.59	24	12.2	50.63	74.97	1	1	1	1	1	24.34	32.46489706
13447	29/01/2021	2	2.4	2.4.1.1	NA	718	17	0.524	33.4	0.96	19.9	0.87	32	17.3	54.00	73.98	1	1	1	1	1	19.99	27.0150596
13448	29/01/2021	2	2.4	2.4.1.4	2201020382973	693	11	0.351	33.6	0.87	17.8	0.60	29	10.7	36.54	73.82	1	1	1	1	1	37.29	50.50838543
13449	29/01/2021	2	2.4	2.4.2.1	22011580228	783	13	45.590	33.5	0.81	21.1	0.61	27	12.9	47.43	74.40	1	1	1	1	1	26.96	36.24329363
13450	29/01/2021	2	2.4	2.4.2.2	2201102981602	748	7	0.326	32.9	0.60	16.7	0.40	20	6.7	33.84	74.17	1	1	1	1	1	40.33	54.3771619
13451	29/01/2021	2	2.4	2.4.2.3	220102382996	944	18	0.489	33.8	1.04	16.8	1.05	35	17.6	50.18	75.43	1	1	1	1	1	25.25	33.4698884
13452	29/01/2021	2	2.4	2.4.2.4	2201102981601	945	19	0.507	33.9	1.08	17.8	1.07	37	19.0	52.02	75.43	1	1	1	1	1	23.41	31.03746953
13453	29/01/2021	2	2.4	2.4.3.3	10381012390026	935	11	0.486	33.8	0.65	15.6	0.71	22	11.1	50.41	75.37	1	1	1	1	1	24.96	33.11105057
13454	29/01/2021	2	2.4	2.4.3.4	10381023002646	950	17	0.549	33.8	0.87	21.8	0.76	29	16.6	56.34	75.47	1	1	1	1	1	19.12	25.34089116
13455	29/01/2021	2	2.4	2.4.3.4	1072111303148	915	12	0.445	33.8	0.76	22.4	0.53	26	11.9	46.22	75.24	1	1	1	1	1	29.03	38.57668317
13456	29/01/2021	2	2.4	2.4.4.1	12881133	911	11	0.515	33.9	0.61	18.7	0.59	21	11.0	53.35	75.22	1	1	1	1	1	21.86	29.06647514
13457	29/01/2021	2	2.4	2.4.4.1	22020282418	903	18	0.558	34.7	0.93	22.1	0.84	32	18.6	57.53	75.17	1	1	1	1	0	17.64	23.46813107
13458	29/01/2021	2	2.4	2.4.4.1	2201176587	692	15	0.792	34.1	0.54	22.7	0.66	18	15.0	81.36	73.81	1	1	0	0	0	-7.55	-10.22451753

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13459	29/01/2021	2	2.4	2.4.4.3	22020282656	924	7	0.496	34.0	0.38	17.8	0.37	13	6.6	50.98	75.30	1	1	1	1	1	24.32	32.30344889
13460	29/01/2021	2	2.4	2.4.4.3	220112480034	868	12	0.387	33.9	0.92	23.9	0.52	31	12.4	39.85	74.94	1	1	1	1	1	35.09	46.82676586
13461	29/01/2021	2	2.4	2.4.4.3	220102028662	749	11	0.755	33.7	0.43	22.2	0.51	14	11.3	78.13	74.18	1	0	0	0	0	-3.95	-5.327143691
13462	29/01/2021	2	2.4	2.4.4.3	22011298173	954	9	0.694	35.5	0.37	21.6	0.43	13	9.3	70.71	75.49	1	0	0	0	0	4.78	6.331514236
13463	29/01/2021	2	2.4	2.4.4.3	220110282664	921	6	0.480	35.1	0.37	26.6	0.24	13	6.4	49.16	75.28	1	1	1	1	1	26.12	34.70166317
13464	29/01/2021	2	2.4	2.4.4.4	220112580309	924	9	0.756	35.0	0.34	22.1	0.42	12	9.3	78.00	75.30	0	0	0	0	0	-2.70	-3.586207629
13465	29/01/2021	2	2.4	2.4.4.4	2201250302	930	12	0.674	34.5	0.50	22.2	0.54	17	12.0	69.50	75.34	1	0	0	0	0	5.84	7.754848584
13466	29/01/2021	2	2.4	2.4.5.1	10750003525	931	9	0.397	34.5	0.66	18.1	0.52	23	9.4	41.34	75.34	1	1	1	1	1	34.01	45.13847077
13467	29/01/2021	2	2.4	2.4.5.2	NA	929	14	0.860	34.4	0.46	22.3	0.62	16	13.8	87.37	75.33	1	1	1	0	0	-12.04	-15.98533644
13468	29/01/2021	2	2.4	2.4.5.3	220101269945	930	6	0.511	34.5	0.35	22.0	0.29	12	6.4	52.84	75.34	1	1	1	1	1	22.50	29.86747866
13469	29/01/2021	2	2.5	2.5.3.2	2201101672507	932	15	0.479	34.4	0.87	20.0	0.74	30	14.8	49.45	75.35	1	1	1	1	1	25.90	34.37094473
13470	29/01/2021	2	2.5	2.5.5.2	22012480067	935	10	0.473	34.8	0.58	18.4	0.54	20	9.9	49.23	75.37	1	1	1	1	1	26.14	34.68606795
13471	29/01/2021	2	2.5	2.5.5.3	2201120182231	927	9	0.737	35.0	0.33	22.8	0.38	12	8.7	75.01	75.32	0	0	0	0	0	0.31	0.406024773
13472	29/01/2021	2	2.5	2.5.7.1	220101167608	915	8	0.576	34.3	0.38	21.0	0.37	13	7.8	59.61	75.24	1	1	1	1	0	15.63	20.77121952
13473	29/01/2021	2	2.5	2.5.7.1	220122167610	956	19	0.352	35.5	1.50	22.8	0.85	53	19.4	36.39	75.50	1	1	1	1	1	39.11	51.79835056
13474	29/01/2021	2	2.5	2.5.7.2	220122167638	769	15	0.443	35.8	0.91	22.2	0.68	33	15.1	46.34	74.31	1	1	1	1	1	27.97	37.64026893
13475	29/01/2021	2	2.5	2.5.7.3	103810112002581	933	12	0.809	33.9	0.42	26.5	0.45	14	11.9	83.75	75.36	1	1	0	0	0	-8.40	-11.14364763
13476	29/01/2021	2	2.5	2.5.7.3	103810123002588	936	14	0.901	33.9	0.43	26.1	0.52	15	13.6	93.11	75.38	1	1	1	1	0	-17.73	-23.52085968
13477	29/01/2021	2	2.5	2.5.7.3	22010120163755	942	20	0.534	34.4	1.05	21.6	0.92	36	19.9	55.02	75.41	1	1	1	1	1	20.40	27.04799151
13478	29/01/2021	2	2.5	2.5.7.4	22011072356	915	15	0.801	34.3	0.51	22.0	0.66	17	14.5	83.00	75.24	1	1	0	0	0	-7.76	-10.31688475
13479	29/01/2021	2	2.1	2.1.6.1	22011012881067	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
13480	29/01/2021	2	2.1	2.1.6.1	22011012479690	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
13481	30/01/2021	2	2.1	2.1.6.1	NA	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
13482	30/01/2021	2	2.1	2.1.6.1	22011010282436	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
13483	30/01/2021	2	2.1	2.1.6.1	22011012780643	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
13484	30/01/2021	2	2.1	2.1.6.1	22011011576592	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
13485	30/01/2021	2	2.1	2.1.6.1	NA	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
13486	30/01/2021	2	2.1	2.1.6.1	NA	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
13487	30/01/2021	2	2.1	2.1.6.1	22011011576589	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
13488	30/01/2021	2	2.1	2.1.6.1	22011012981453	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13489	30/01/2021	2	2.1	2.1.6.2	NA	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
13490	30/01/2021	2	2.1	2.1.6.2	22011020282417	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
13491	30/01/2021	2	2.1	2.1.6.2	2201102881141	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
13492	30/01/2021	2	2.1	2.1.6.2	NA	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
13493	30/01/2021	2	2.1	2.1.6.2	2201101282656	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
13494	30/01/2021	2	2.1	2.1.6.2	NA	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
13495	30/01/2021	2	2.1	2.1.6.2	22011020182206	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
13496	30/01/2021	2	2.1	2.1.7.1	22011010672760	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
13497	30/01/2021	2	2.1	2.1.7.1	NA	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
13498	30/01/2021	2	2.1	2.1.7.1	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
13499	30/01/2021	2	2.1	2.1.7.1	NA	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
13500	30/01/2021	2	2.1	2.1.7.1	22011011174690	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
13501	30/01/2021	2	2.1	2.1.7.1	22010020969885	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
13502	30/01/2021	2	2.1	2.1.7.1	22011010873895	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
13503	30/01/2021	2	2.1	2.1.7.2	NA	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
13504	30/01/2021	2	2.1	2.1.7.2	22011010672733	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
13505	30/01/2021	2	2.1	2.1.7.2	22011011174685	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
13506	30/01/2021	2	2.1	2.1.7.2	22011010672744	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
13507	30/01/2021	2	2.1	2.1.7.2	22011010672747	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
13508	30/01/2021	2	2.2	2.2.1.1	NA	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
13509	30/01/2021	2	2.2	2.2.1.1	NA	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
13510	30/01/2021	2	2.2	2.2.1.2	22011012881045	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
13511	30/01/2021	2	2.2	2.2.1.2	NA	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
13512	30/01/2021	2	2.2	2.2.1.2	22011012780662	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
13513	30/01/2021	2	2.2	2.2.1.2	NA	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
13514	30/01/2021	2	2.2	2.2.1.2	22011012880440	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
13515	30/01/2021	2	2.2	2.2.1.2	22011012880438	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
13516	30/01/2021	2	2.2	2.2.1.2	NA	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
13517	30/01/2021	2	2.2	2.2.1.2	NA	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
13518	30/01/2021	2	2.2	2.2.1.2	220110127807314	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13519	30/01/2021	2	2.2	2.2.1.3	22011011074179	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
13520	30/01/2021	2	2.2	2.2.1.4	22011012178546	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
13521	30/01/2021	2	2.2	2.2.1.4	22011012580454	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
13522	30/01/2021	2	2.2	2.2.1.4	22011012881152	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
13523	30/01/2021	2	2.2	2.2.1.4	NA	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
13524	30/01/2021	2	2.2	2.2.1.4	NA	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
13525	30/01/2021	2	2.2	2.2.1.4	22011012780639	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
13526	30/01/2021	2	2.2	2.2.1.4	22011012480056	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
13527	30/01/2021	2	2.2	2.2.1.4	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
13528	30/01/2021	2	2.2	2.2.1.4	22011012881155	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
13529	30/01/2021	2	2.2	2.2.2.1	22011012881535	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
13530	30/01/2021	2	2.2	2.2.2.1	NA	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
13531	30/01/2021	2	2.2	2.2.2.1	NA	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
13532	30/01/2021	2	2.2	2.2.2.1	22011011074207	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
13533	30/01/2021	2	2.2	2.2.2.1	22011012881156	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
13534	30/01/2021	2	2.2	2.2.2.1	22011012881042	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
13535	30/01/2021	2	2.2	2.2.2.1	22011012880451	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
13536	30/01/2021	2	2.2	2.2.2.1	NA	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
13537	30/01/2021	2	2.2	2.2.2.1	NA	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
13538	30/01/2021	2	2.2	2.2.2.1	22011011074185	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
13539	30/01/2021	2	2.2	2.2.2.2	22011012489766	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
13540	30/01/2021	2	2.2	2.2.2.2	NA	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
13541	30/01/2021	2	2.2	2.2.2.2	22011012479758	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
13542	30/01/2021	2	2.2	2.2.2.2	22011012580416	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
13543	30/01/2021	2	2.2	2.2.2.2	22011011174639	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
13544	30/01/2021	2	2.2	2.2.2.2	22011012881146	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
13545	30/01/2021	2	2.2	2.2.2.2	NA	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
13546	30/01/2021	2	2.2	2.2.2.2	2201101174642	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086
13547	30/01/2021	2	2.2	2.2.2.2	22011010773377	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
13548	30/01/2021	2	2.2	2.2.2.3	22011011074196	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13549	30/01/2021	2	2.2	2.2.3	NA	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
13550	30/01/2021	2	2.2	2.2.3	22011012881539	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
13551	30/01/2021	2	2.2	2.2.3	NA	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
13552	30/01/2021	2	2.2	2.2.3	NA	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
13553	30/01/2021	2	2.2	2.2.3	NA	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
13554	30/01/2021	2	2.2	2.2.3	22011012780697	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
13555	30/01/2021	2	2.2	2.2.4	NA	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
13556	30/01/2021	2	2.2	2.2.4	22011012871159	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
13557	30/01/2021	2	2.2	2.2.4	22011012981526	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
13558	30/01/2021	2	2.2	2.2.4	22011011174643	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
13559	30/01/2021	2	2.2	2.2.4	NA	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
13560	30/01/2021	2	2.2	2.2.4	22011012479760	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
13561	30/01/2021	2	2.2	2.2.4	22011012881149	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
13562	30/01/2021	2	2.2	2.2.3	22011012282541	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
13563	30/01/2021	2	2.2	2.2.3	NA	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
13564	30/01/2021	2	2.2	2.2.3	NA	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
13565	30/01/2021	2	2.2	2.2.3	NA	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
13566	30/01/2021	2	2.2	2.2.3	NA	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
13567	30/01/2021	2	2.2	2.2.3	22011020282310	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
13568	30/01/2021	2	2.2	2.2.3	NA	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
13569	30/01/2021	2	2.2	2.2.3	22011020382938	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
13570	30/01/2021	2	2.2	2.2.3	NA	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
13571	30/01/2021	2	2.2	2.2.3	2201101282552	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
13572	30/01/2021	2	2.2	2.2.4	NA	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
13573	30/01/2021	2	2.2	2.2.4	NA	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
13574	30/01/2021	2	2.2	2.2.4	NA	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
13575	30/01/2021	2	2.2	2.2.4	NA	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
13576	30/01/2021	2	2.2	2.2.4	NA	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026
13577	30/01/2021	2	2.2	2.2.4	NA	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
13578	30/01/2021	2	2.2	2.2.4	NA	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13579	30/01/2021	2	2.2	2.2.4.2	NA	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
13580	30/01/2021	2	2.2	2.2.4.2	22011022969894	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
13581	30/01/2021	2	2.2	2.2.4.2	22011010371715	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
13582	30/01/2021	2	2.2	2.2.4.2	NA	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
13583	30/01/2021	2	2.2	2.2.4.2	NA	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
13584	30/01/2021	2	2.2	2.2.4.2	*1038101130000 2518	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
13585	30/01/2021	2	2.2	2.2.4.3	NA	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
13586	30/01/2021	2	2.2	2.2.4.3	*1038102223000 02683	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
13587	30/01/2021	2	2.2	2.2.4.3	NA	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
13588	30/01/2021	2	2.2	2.2.4.3	*1038101230000 2529	826	160	61.6	30	5.9	19	5.2	177	98.8	55.82	74.67	1	1	1	1	1	18.85	25.24787065
13589	30/01/2021	2	2.2	2.2.4.3	NA	823	160	24.7	31	5.7	18	5.3	177	95.4	53.99	74.65	1	1	1	1	1	20.66	27.67917083
13590	30/01/2021	2	2.2	2.2.4.3	NA	913	148	52.8	31	5.6	22	5	174	110.0	63.36	75.23	1	1	1	0	0	11.87	15.77199372
13591	30/01/2021	2	2.2	2.2.4.3	NA	926	156	61.9	30	5.4	23	4.6	162	105.8	65.31	75.31	1	1	0	0	0	10.00	13.28301584
13592	30/01/2021	2	2.2	2.2.4.3	NA	912	146	57.9	30	5.6	20	4.9	168	98.0	58.33	75.22	1	1	1	1	0	16.89	22.45258973
13593	30/01/2021	2	2.2	2.2.4.3	NA	860	92	50.2	30	5.2	20.4	4.6	156	93.8	60.15	74.89	1	1	1	0	0	14.74	19.67706482
13594	30/01/2021	2	2.2	2.2.4.4	22010012970202	810	164	55.4	30	6.2	25	4.2	186	105.0	56.45	74.57	1	1	1	1	0	18.12	24.29715314
13595	30/01/2021	2	2.2	2.2.4.4	NA	834	160	40.2	31	6.9	25.6	5.2	214	133.1	62.23	74.72	1	1	1	0	0	12.49	16.71347592
13596	30/01/2021	2	2.2	2.2.4.4	NA	836	136	50.4	30	4.2	20.4	5.5	126	112.2	89.05	74.74	1	1	1	0	0	-14.31	-19.14892749
13597	30/01/2021	2	2.2	2.2.4.4	NA	834	154	55.4	31	5.6	25.6	5.5	174	140.8	81.11	74.72	1	0	0	0	0	-6.38	-8.541332034
13598	30/01/2021	2	2.2	2.2.4.4	220110123070326	824	126	56.2	31	5.7	22.2	5.4	177	119.9	67.84	74.66	1	0	0	0	0	6.82	9.129163489
13599	30/01/2021	2	2.2	2.2.4.4	NA	725	96	20.4	30	2.6	25	5.6	78	140.0	179.49	74.03	1	1	1	1	1	-105.46	-142.4650521
13600	30/01/2021	2	2.2	2.2.4.4	NA	768	110	40.4	31	4	20.4	6.6	124	134.6	108.58	74.30	1	1	1	1	1	-34.28	-46.13578941
13601	30/01/2021	2	2.2	2.2.5.1	NA	848	158	65.4	30	6.5	23.4		195	0.0	0.00	74.81	1	1	1	1	1	74.81	100
13602	30/01/2021	2	2.2	2.2.5.1	220114125	801	159	64.9	30	6.8	22.3		204	0.0	0.00	74.51	1	1	1	1	1	74.51	100
13603	30/01/2021	2	2.2	2.2.5.1	NA	758	94	34.8	30	4	19.9		120	0.0	0.00	74.24	1	1	1	1	1	74.24	100
13604	30/01/2021	2	2.2	2.2.5.1	2201125804	613	156	55.2	30	5.4	20.2	2.4	162	48.5	29.93	73.31	1	1	1	1	1	43.38	59.1784852
13605	30/01/2021	2	2.2	2.2.5.1	NA	628	160	65.2	30	5.4	22.2	2.1	162	46.6	28.78	73.41	1	1	1	1	1	44.63	60.79599568
13606	30/01/2021	2	2.2	2.2.5.1	221012981482	626	130	64.2	30	4.2	20.4	3.9	126	79.6	63.14	73.39	1	1	0	0	0	10.25	13.96540086

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13607	30/01/2021	2	2.2	2.2.5.1	2201258841	717	140	50.4	32	4	20.2	2.1	128	42.4	33.14	73.97	1	1	1	1	1	40.83	55.20011544
13608	30/01/2021	2	2.2	2.2.5.1	22012580410	698	103	65.4	31	6.7	25.6	1	208	25.6	12.33	73.85	1	1	1	1	1	61.53	83.31085257
13609	30/01/2021	2	2.2	2.2.5.2	22011028	692	156	65.2	22	6.2	26.7	2.4	136	64.1	46.98	73.81	1	1	1	1	1	26.84	36.35494218
13610	30/01/2021	2	2.2	2.2.5.2	22012580407	678	100	40.8	31	6	27.2	3.9	186	106.1	57.03	73.73	1	1	1	1	0	16.69	22.64211143
13611	30/01/2021	2	2.2	2.2.5.2	22010873808	721	129	45	3	6.5	28.4	3.8	20	107.9	553.44	74.00	1	1	1	1	1	-479.44	-647.8823053
13612	30/01/2021	2	2.2	2.2.5.2	220110180792	732	142	42	31	6.1	27.4	3.4	189	93.2	49.26	74.07	1	1	1	1	1	24.81	33.48939233
13613	30/01/2021	2	2.2	2.2.5.2	220112780765	734	134	45.5	30	6.5	28.4	3.6	195	102.2	52.43	74.08	1	1	1	1	1	21.65	29.22756287
13614	30/01/2021	2	2.2	2.2.5.2	22011258029	792	150	50.2	31	6	27.4	3.6	186	98.6	53.03	74.45	1	1	1	1	1	21.42	28.77254648
13615	30/01/2021	2	2.2	2.2.5.2	NA	787	127	45.4	31	5.4	24.5	3	167	73.5	43.91	74.42	1	1	1	1	1	30.52	41.00354994
13616	30/01/2021	2	2.2	2.2.5.3	2201012970014	692	156	55.4	30	5	25	3.7	150	92.5	61.67	73.81	1	1	1	0	0	12.15	16.45758484
13617	30/01/2021	2	2.2	2.2.5.3	NA	711	105	45.3	30	4.1	20.4	3.9	123	79.6	64.68	73.94	1	1	0	0	0	9.25	12.51545
13618	30/01/2021	2	2.2	2.2.5.3	2201022969986	800	159	64.1	31	5.9	21	5.1	183	107.1	58.56	74.51	1	1	1	1	0	15.95	21.40688227
13619	30/01/2021	2	2.2	2.2.5.3	2201018580447	897	154	62.9	31	6.4	22	5.4	198	118.8	59.88	75.13	1	1	1	1	0	15.25	20.29604315
13620	30/01/2021	2	2.2	2.2.5.3	NA	801	150	67.5	31	6.3	22	5.3	195	116.6	59.70	74.51	1	1	1	0	0	14.81	19.87505302
13621	30/01/2021	2	2.2	2.2.5.4	22011012970015	802	148	62.7	32	5.8	23	5.1	186	117.3	63.20	74.52	1	1	1	0	0	11.32	15.18860873
13622	30/01/2021	2	2.2	2.2.5.4	22011012580414	802	136	59.4	32	6.3	21	5	202	105.0	52.08	74.52	1	1	1	1	1	22.44	30.10712286
13623	30/01/2021	2	2.2	2.2.5.4	2201102780674	807	160	63.4	31	6.1	24	4	189	96.0	50.77	74.55	1	1	1	1	1	23.78	31.90309151
13624	30/01/2021	2	2.2	2.2.5.4	2201102780764	920	156	58.6	33	5.7	23.5	5.2	188	122.2	64.97	75.27	1	1	0	0	0	10.31	13.69471011
13625	30/01/2021	2	2.2	2.2.5.4	2201102780736	905	128	56.9	30	6.2	22.6	4.9	186	110.7	59.54	75.18	1	1	1	1	0	15.64	20.80444491
13626	30/01/2021	2	2.2	2.2.5.4	22019580430	930	97	53.4	32	5.9	23	5.1	189	117.3	62.13	75.34	1	1	1	0	0	13.21	17.53266972
13627	30/01/2021	2	2.2	2.2.5.4	22011022970020	940	98	54.3	31	5.7	22	5.3	177	116.6	65.99	75.40	1	1	0	0	0	9.41	12.48567741
13628	30/01/2021	2	2.2	2.2.6.1	220101969899	944	116	57.4	30	6.2	21	4.8	186	100.8	54.19	75.43	1	1	1	1	1	21.23	28.15156735
13629	30/01/2021	2	2.2	2.2.6.1	2202269911	990	153	59.6	31	5.8	23.6	4.6	180	108.6	60.38	75.72	1	1	1	1	0	15.34	20.2633343
13630	30/01/2021	2	2.2	2.2.6.1	2300062302	946	95	36.4	31	5.3	23.1	5.1	164	117.8	71.70	75.44	0	0	0	0	0	3.74	4.952519294
13631	30/01/2021	2	2.2	2.2.6.2	2201101174192	897	124	39.4	33	6.2	23.2	4.8	205	111.4	54.43	75.13	1	1	1	1	1	20.70	27.55161608
13632	30/01/2021	2	2.2	2.2.6.2	220111275400	878	155	61.5	33	3.9	12.8	3	129	38.4	29.84	75.01	1	1	1	1	1	45.17	60.22031828
13633	30/01/2021	2	2.2	2.2.6.2	NA	875	86	53.9	32	5.5	23.2	5.1	176	118.3	67.23	74.99	1	1	0	0	0	7.76	10.34690112
13634	30/01/2021	2	2.2	2.2.6.2	NA	941	148	61	29	5.9	19.7	4.8	171	94.6	55.27	75.41	1	1	1	1	1	20.14	26.71118024
13635	30/01/2021	2	2.2	2.2.6.3	NA	728	160	66.3	30	6.1	20	4.2	183	84.0	45.90	74.05	1	1	1	1	1	28.14	38.00862265
13636	30/01/2021	2	2.2	2.2.6.3	NA	725	86	48.3	21	6.3	21	4.6	132	96.6	73.02	74.03	0	0	0	0	0	1.01	1.364557026

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13637	30/01/2021	2	2.2	2.2.6.3	220110070363	734	151	62.4	30	5.9	20	5.1	177	102.0	57.63	74.08	1	1	1	1	0	16.46	22.21339319
13638	30/01/2021	2	2.2	2.2.6.3	NA	638	122	61.9	30	4.8	20	4	144	80.0	55.56	73.47	1	1	1	1	0	17.91	24.3825228
13639	30/01/2021	2	2.2	2.2.6.3	220110275223	795	113	64.3	30	6.1	20	5.3	183	106.0	57.92	74.47	1	1	1	1	0	16.55	22.22319566
13640	30/01/2021	2	2.2	2.2.6.4	NA	623	161	63.4	30	6.2	21	5.6	186	117.6	63.23	73.37	1	1	0	0	0	10.15	13.82983644
13641	30/01/2021	2	2.2	2.2.6.4	NA	912	143	62.4	31	6	20	5	186	100.0	53.76	75.22	1	1	1	1	1	21.46	28.52773247
13642	30/01/2021	2	2.3	2.3.1.1	220120282671	648	160	63.9	24	5.9	19	5.9	142	112.1	79.17	73.53	1	0	0	0	0	-5.63	-7.661119966
13643	30/01/2021	2	2.3	2.3.1.1	2201010873811	596	137	61.6	30	6.3	23	5	189	115.0	60.85	73.20	1	1	1	0	0	12.35	16.87673722
13644	30/01/2021	2	2.3	2.3.1.1	22011298167	678	146	62.6	31	5.8	22	5	180	110.0	61.18	73.73	1	1	1	0	0	12.55	17.01739992
13645	30/01/2021	2	2.3	2.3.1.1	22012981642	723	95	56.3	30	5.6	19	5	168	95.0	56.55	74.01	1	1	1	1	0	17.47	23.59792706
13646	30/01/2021	2	2.3	2.3.1.1	220112981625	826	153	58.6	30	5.8	21	5.2	174	109.2	62.76	74.67	1	1	1	0	0	11.91	15.95472934
13647	30/01/2021	2	2.3	2.3.1.1	22020182140	829	143	56.4	30	5.3	20	5	159	100.0	62.89	74.69	1	1	1	0	0	11.80	15.79631209
13648	30/01/2021	2	2.3	2.3.3.3	22010122167479	688	156	72.4	32	4.57	25.2	4.25	146	107.1	73.24	73.79	0	0	0	0	0	0.55	0.750005685
13649	30/01/2021	2	2.3	2.3.3.3	NA	704	159	71	32	4.78	24.8	4.42	153	109.6	71.66	73.89	0	0	0	0	0	2.23	3.015796225
13650	30/01/2021	2	2.3	2.3.3.3	2201122468917	716	158	67.3	32	5.09	25.2	4.62	163	116.4	71.48	73.97	0	0	0	0	0	2.49	3.366317241
13651	30/01/2021	2	2.3	2.3.3.4	NA	740	160	66.4	32	5.18	24.4	4.56	166	111.3	67.12	74.12	1	0	0	0	0	7.00	9.441795791
13652	30/01/2021	2	2.3	2.3.3.4	NA	764	152	68.2	32	5.08	24.5	4.58	163	112.2	69.03	74.28	1	0	0	0	0	5.25	7.066626367
13653	30/01/2021	6	6.5	6.5.2.3	2300044952	775	159	70.2	32	5.25	24.9	4.8	168	119.5	71.14	74.35	0	0	0	0	0	3.20	4.308426623
13654	30/01/2021	6	6.4	6.4.1.3	NA	849	158	70.7	32	5.71	24.5	5.27	183	129.1	70.66	74.82	1	0	0	0	0	4.16	5.55581332
13655	30/01/2021	6	6.4	6.4.1.3	NA	862	157	66.4	32	6.07	23.9	5.43	194	129.8	66.81	74.90	1	1	0	0	0	8.09	10.80078992
13656	30/01/2021	6	6.4	6.4.1.4	NA	861	159	66	32	6.17	23.9	5.49	197	131.2	66.46	74.90	1	1	0	0	0	8.44	11.26924849
13657	30/01/2021	6	6.4	6.4.3.4	30172	862	154	66.7	32	6.09	23.6	5.39	195	127.2	65.27	74.90	1	1	0	0	0	9.63	12.85641057
13658	30/01/2021	6	6.4	6.4.3.4	42311	873	157	67.9	32	6.05	23.9	5.46	194	130.5	67.40	74.97	1	1	0	0	0	7.57	10.09597347
13659	30/01/2021	6	6.4	6.4.3.1	44393	874	160	68.9	30	6.06	24.4	5.45	182	133.0	73.15	74.98	0	0	0	0	0	1.83	2.445045544
13660	30/01/2021	6	6.4	6.4.2.4	41131	789	155	66.4	32	6.2	23.3	5.68	198	132.3	66.71	74.44	1	1	0	0	0	7.73	10.3847552
13661	30/01/2021	6	6.4	6.4.2.2	41996	885	155	65.8	32	6.28	23.4	5.69	201	133.1	66.25	75.05	1	1	0	0	0	8.80	11.71888592
13662	30/01/2021	6	6.4	6.4.2.3	50881	886	158	67.1	31	6.31	23.4	5.79	196	135.5	69.26	75.06	1	0	0	0	0	5.79	7.718289053
13663	30/01/2021	6	6.4	6.4.2.1	51586	888	151	65.4	32	6.11	23.5	5.68	196	133.5	68.27	75.07	1	0	0	0	0	6.80	9.058267879
13664	30/01/2021	8	8.2	8.2.8.2	35823	888	155	67.2	32	6.19	23.3	5.71	198	133.0	67.17	75.07	1	1	0	0	0	7.90	10.52749137
13665	30/01/2021	1	10.	10.3.3.3	53912	892	157	67	32	6.28	23.4	5.75	201	134.6	66.95	75.09	1	1	0	0	0	8.14	10.84119991
13666	30/01/2021	1	10.	10.3.3.3	35175	903	160	69.7	32	6.13	24.6	5.62	196	138.3	70.48	75.17	1	0	0	0	0	4.69	6.234267118

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Imp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13667	30/01/2021	1	10.	10.3.3.2	35229	910	159	69.7	31	6.22	24.4	5.67	193	138.3	71.75	75.21	0	0	0	0	0	3.46	4.600693414
13668	30/01/2021	8	8.2	8.2.5.2	41186	912	157	69.7	31	6.16	24.6	5.52	191	135.8	71.11	75.22	1	0	0	0	0	4.11	5.467251761
13669	30/01/2021	8	8.2	8.2.5.2	42778	913	159	67.1	31	6.48	23.9	5.79	201	138.4	68.89	75.23	1	0	0	0	0	6.34	8.429977376
13670	30/01/2021	9	9.3	9.3.5.7	41343	916	159	68.8	31	6.37	23.7	5.92	197	140.3	71.05	75.25	1	0	0	0	0	4.20	5.578334522
13671	31/01/2021	9	9.3	9.3.1.1.	41821	919	158	65.8	31	6.57	23.4	5.92	204	138.5	68.02	75.27	1	0	0	0	0	7.25	9.634546489
13672	31/01/2021	6	6.2	6.2.5.3	42141	921	156	67	31	6.4	23.6	5.75	198	135.7	68.40	75.28	1	0	0	0	0	6.88	9.143445811
13673	31/01/2021	6	6.1	6.1.1.3	50525	925	155	67.6	31	6.36	23.1	5.92	197	136.8	69.36	75.31	1	0	0	0	0	5.95	7.894556693
13674	31/01/2021	5	5.3	5.3.6.3	50571	929	157	66	31	6.58	23.7	5.79	204	137.2	67.27	75.33	1	1	0	0	0	8.06	10.69780565
13675	31/01/2021	5	5.3	5.3.3.3	44712	935	160	67.1	32	6.6	23.6	6.04	211	142.5	67.49	75.37	1	1	0	0	0	7.88	10.45187178
13676	31/01/2021	5	5.3	5.3.1.1	220123070253	936	155	84.9	31	6.52	23.5	5.87	202	137.9	68.25	75.38	1	0	0	0	0	7.13	9.455665216
13677	31/01/2021	2	2.2	2.2.1.1	200011071480	938	154	66.6	31	6.52	23.2	5.94	202	137.8	68.18	75.39	1	0	0	0	0	7.21	9.560947127
13678	31/01/2021	2	2.2	2.2.1.1	NA	940	150	62.7	32	6.66	23.3	5.8	213	135.1	63.41	75.40	1	1	1	0	0	11.99	15.90370907
13679	31/01/2021	2	2.2	2.2.1.1	2001012078402	952	157	66.6	32	6.89	22.9	6.26	220	143.4	65.02	75.48	1	1	0	0	0	10.46	13.85786559
13680	31/01/2021	2	2.2	2.2.1.2	NA	954	156	64.2	32	6.91	23.6	6.02	221	142.1	64.25	75.49	1	1	0	0	0	11.24	14.88975544
13681	31/01/2021	2	2.2	2.2.1.4	NA	956	159	65.9	31	6.97	23	6.33	216	145.6	67.38	75.50	1	1	0	0	0	8.12	10.75892086
13682	31/01/2021	2	2.2	2.2.2.4	22011012881171	660	152	NA	31	6.81	22.8	6.1	211	139.1	65.88	73.61	1	1	0	0	0	7.73	10.50081954
13683	31/01/2021	2	2.3	2.3.4.4	220110123070944	960	157	63	31	6.97	22.8	6.33	216	144.3	66.80	75.53	1	1	0	0	0	8.73	11.56491443
13684	31/01/2021	2	2.2	2.2.3.4	22011020282649	973	152	66.2	30	6.87	22.7	6.25	206	141.9	68.84	75.61	1	0	0	0	0	6.78	8.960415977
13685	31/01/2021	2	2.2	2.2.5.4	22011012580409	977	155	65.5	30	7.08	22.9	6.26	212	143.4	67.49	75.64	1	1	0	0	0	8.15	10.77004521
13686	31/01/2021	2	2.2	2.2.6.3	NA	976	159	64.9	30	7.28	22.9	6.44	218	147.5	67.53	75.63	1	1	0	0	0	8.11	10.71863246
13687	31/01/2021	2	2.2	2.2.6.3	2300062088	983	153	63.7	30	7.17	22.3	6.4	215	142.7	66.35	75.68	1	1	0	0	0	9.33	12.32427384
13688	31/01/2021	2	2.2	2.2.6.4	22011010672781	992	160	65.4	30	7.3	22.6	6.51	219	147.1	67.18	75.73	1	1	0	0	0	8.55	11.29464669
13689	31/01/2021	2	2.3	2.3.2.3	NA	987	156	63.5	30	7.36	22.1	6.45	221	142.5	64.56	75.70	1	1	0	0	0	11.14	14.72122047
13690	31/01/2021	2	2.3	2.3.1.3	220101468927	884	157	65.8	30	7.6	22.1	6.52	228	144.1	63.20	75.04	1	1	1	0	0	11.85	15.78462972
13691	31/01/2021	2	2.3	2.3.1.3	2201020182144	981	157	64.3	30	7.2	22.6	6.33	216	143.1	66.23	75.66	1	1	0	0	0	9.43	12.46800932
13692	31/01/2021	2	2.2	2.2.1.3	22012981641	974	157	64.9	30	7.16	22.5	6.32	215	142.2	66.20	75.62	1	1	0	0	0	9.42	12.45508133
13693	31/01/2021	2	2.2	2.2.3.1	3	813	115	0.42869	31.9	6.00	15.5	5.27	191	81.7	42.68	74.59	1	1	1	1	1	31.91	42.78308595
13694	31/01/2021	2	2.3	2.3.5.1	21	997	114	42.10	31.8	7.15	15.2	6.30	227	95.8	42.12	75.77	1	1	1	1	1	33.65	44.41315432
13695	31/01/2021	2	2.3	2.3.5.1	23	995	117	43.6	31.8	7.09	15.2	6.44	225	97.9	43.42	75.75	1	1	1	1	1	32.34	42.68734461
13696	31/01/2021	2	2.3	2.3.5.1	24	990	167	59.3	32.1	7.37	24.7	5.70	237	140.8	59.51	75.72	1	1	1	1	0	16.21	21.40820419

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} *	V _{MPP} *	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13697	31/01/2021	2	2.5	2.5.5.1	22	982	151	64.2	31.4	7.35	22.7	6.51	231	147.8	64.03	75.67	1	1	1	0	0	11.64	15.38223831
13698	31/01/2021	2	2.4	2.4.1.2	21	979	135	50.64	31.5	6.87	20.5	5.32	216	109.1	50.40	75.65	1	1	1	1	1	25.26	33.38376482
13699	31/01/2021	2	2.4	2.4.1.2	22	982	195	64.82	31.9	7.66	23.3	6.78	244	158.0	64.65	75.67	1	1	0	0	0	11.02	14.56460399
13700	31/01/2021	2	2.4	2.4.1.2	23	978	189	63.44	31.8	7.61	23.3	6.56	242	152.8	63.16	75.65	1	1	1	0	0	12.48	16.50381971
13701	31/01/2021	2	2.4	2.4.1.2	24	976	162	58.98	31.3	7.09	22.3	5.87	222	130.9	58.99	75.63	1	1	1	1	0	16.65	22.00899626
13702	31/01/2021	2	2.4	2.4.2.1	22	939	163	63	32.1	7.57	23.9	6.43	243	153.7	63.24	75.40	1	1	1	0	0	12.15	16.11931657
13703	31/01/2021	2	2.4	2.4.2.1	23	940	165	63.08	31.8	7.04	24.2	5.84	224	141.3	63.13	75.40	1	1	1	0	0	12.27	16.27684834
13704	31/01/2021	2	2.5	2.5.4.1	24	841	145	59.9	31.6	7.66	22.9	5.31	242	121.6	50.24	74.77	1	1	1	1	1	24.53	32.81132694
13705	31/01/2021	2	2.4	2.4.3.1	22	864	114	45	31.6	5.92	15.6	5.39	187	84.1	44.95	74.92	1	1	1	1	1	29.97	40.00261637
13706	31/01/2021	2	2.4	2.4.3.1	23	861	62	26.6	31.0	5.57	11.9	3.87	173	46.1	26.67	74.90	1	1	1	1	1	48.23	64.38933415
13707	31/01/2021	2	2.4	2.4.3.1	24	874	146	60.3	31.5	5.75	25.1	4.37	181	109.7	60.56	74.98	1	1	1	0	0	14.42	19.23305785
13708	31/01/2021	2	2.4	2.4.4.2	23	893	92	43.49	30.7	6.19	15.0	5.46	190	81.9	43.10	75.10	1	1	1	1	1	32.00	42.61372954
13709	31/01/2021	2	2.4	2.4.4.2	34	895	94	42	31.0	6.48	14.6	5.77	201	84.2	41.94	75.11	1	1	1	1	1	33.18	44.16955629
13710	31/01/2021	2	2.5	2.5.5.1	23	984	140	58.43	31.4	7.49	23.6	5.82	235	137.4	58.40	75.68	1	1	1	1	0	17.28	22.83475487
13711	31/01/2021	2	2.5	2.5.5.1	24	979	92	38.4	31.4	7.48	18.5	4.85	235	89.7	38.20	75.65	1	1	1	1	1	37.45	49.50317141
13712	31/01/2021	2	2.5	2.5.5.2	23	963	9	18.73	30.6	1.51	12.2	0.75	46	9.2	19.80	75.55	1	1	1	1	1	55.75	73.78844113
13713	31/01/2021	5	5.2	5.2.2.2	24	971	85	39.45	31.0	6.95	14.5	5.68	215	82.4	38.23	75.60	1	1	1	1	1	37.37	49.43549662
13714	31/01/2021	5	5.2	5.2.3.2	22	985	137	58.2	31.3	7.41	22.0	6.11	232	134.4	57.96	75.69	1	1	1	1	0	17.73	23.4292607
13715	31/01/2021	5	5.1	5.1.1.2	21	817	103	44.91	31.9	5.92	15.7	5.40	189	84.8	44.89	74.61	1	1	1	1	1	29.72	39.83332063
13716	31/01/2021	6	6.4	6.4.4.1	21	976	146	61.75	31.4	7.53	21.9	6.50	236	142.4	60.21	75.63	1	1	1	1	0	15.43	20.3978193
13717	31/01/2021	6	6.4	6.4.4.3	10	966	115	63.62	31	6.27	19	5.26	194	99.9	51.42	75.57	1	1	1	1	1	24.15	31.95912603
13718	31/01/2021	9	9.1	9.1.2.1	22	963	192	55.44	31.4	7.61	20.5	6.48	239	132.8	55.59	75.55	1	1	1	1	1	19.96	26.41577974
13719	31/01/2021	9	9.2	9.2.4.2	24	931	105	35.14	32.1	6.97	16.6	4.76	224	79.0	35.32	75.34	1	1	1	1	1	40.03	53.12662213
13720	31/01/2021	9	9.2	9.2.5.2	24	982	137	56.88	31.2	7.58	21.0	6.39	236	134.2	56.74	75.67	1	1	1	1	1	18.93	25.01609948
13721	31/01/2021	1	10.	10.2.6.2	24	876	121	56.2	32.1	6.72	20.3	5.99	216	121.6	56.37	74.99	1	1	1	1	0	18.62	24.83229301
13722	31/01/2021	1	10.	10.1.3.1	24	812	82	40.100	32.8	4.71	16.6	3.74	154	62.1	40.19	74.58	1	1	1	1	1	34.40	46.11768385
13723	31/01/2021	8	8.2	8.2.3.1	11	739	11	58.8	13.7	0.94	8.1	0.94	13	7.6	59.12	74.12	1	1	1	1	0	14.99	20.22720238
13724	31/01/2021	1	10.	10.4.4.2	18	919	49	61.2	16.7	4.11	10.2	4.11	69	41.9	61.08	75.27	1	1	1	0	0	14.19	18.85240886
13725	31/01/2021	1	1.1	1.1.3.2	24	974	14	30.62	12.7	3.50	5.7	2.43	44	13.9	31.16	75.62	1	1	1	1	1	44.46	58.79262137
13726	31/01/2021	1	1.1	1.1.3.1	22	960	123	46.59	40.0	6.6	15.9	6.23	264	99.1	37.52	75.53	1	1	1	1	1	38.01	50.32226809

S.NO.	Date	INV No	SJB No	String No	Module Sr. No	Radiation	STC Pmax	Fill factor	Voc	Isc	Vmpp	Impp	V _{OC} * I _{SC}	V _{MPP} * I _{MPP}	FF	FF Theory	5% Band(1)	10% Band(2)	15% Band(3)	20% Band(4)	25% Band(5)	Diff in amt	% Diff
13727	31/01/2021	1	1.1	1.1.3.1	24	977	102	50.78	33.2	6.05	14.7	5.49	201	80.7	40.18	75.64	1	1	1	1	1	35.46	46.88079206