



# SJVN Green Energy Limited (SGEL)

(A Wholly Owned Subsidiary of SJVN Limited)

## BID DOCUMENT

Notice inviting tender for Design, Engineering, Supply, Construction, Erection, Testing, Commissioning, and three (03) years comprehensive Operation & Maintenance of 15 MW(AC) floating solar PV power plant at Nangal Pond, Near Village Neilla, District Bilaspur, Himachal Pradesh.

(DOMESTIC COMPETITIVE BIDDING)



**Bid Document NO: SGEL/CHQ/Contracts/Floating SPP/Nangal/2022**

**August 2022**

**Tender search code on ETS portal: SGEL-2022-TN000004**

### **Regd. & Corporate Office**

Corporate Headquarter,  
Shakti Sadan, Shanan  
P.O. Malyana, Shimla –171006(H.P.)  
Website: [www.sjvn.nic.in](http://www.sjvn.nic.in)  
CIN No: **CIN: U40100HP2022GOI009237**



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## SECTION-I

# NOTICE INVITING TENDER (NIT)



# SJVN Green Energy Limited

(A Wholly Owned Subsidiary of SJVN Limited)

## NOTICE INVITING TENDER (Open Tender Basis)

**BID DOCUMENT NO:** SGEL/CHQ/Contracts/Floating SPP/Nangal/2022

**August, 2022**

**SUBJECT:** Notice inviting tender for Design, Engineering, Supply, Construction, Erection, Testing, Commissioning, and three (03) years comprehensive Operation & Maintenance of 15 MW(AC) floating solar PV power plant at Nangal Pond, Near Village Neilla, District Bilaspur, Himachal Pradesh.

- 1.1 SJVN Green Energy Limited (a wholly owned subsidiary of SJVN Limited), invites online bids from eligible bidders on Single Stage Two Envelope (i.e. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid) with Reverse Auction for “Design, Engineering, Supply, Construction, Erection, Testing, Commissioning, and three (03) years comprehensive Operation & Maintenance of 15 MW(AC) floating solar PV power plant at Nangal Pond, Near Village Neilla, District Bilaspur, Himachal Pradesh”. The Solar Modules to be used for this project shall be sourced only from the Model and Manufactures included in the latest “Approved List of Models and Manufactures (ALMM)” issued by MNRE.

### 1.2 BRIEF DETAILS/KEY DATES

| Sl. No. | Description of Item                          | Particulars  |
|---------|--|--|
| 1.      | Brief Scope of Work                          | Design, Engineering, Supply, Construction, Erection, Testing, Commissioning, and three (03) years comprehensive Operation & Maintenance of 15 MW(AC) floating solar PV power plant at Nangal Pond, Near Village Neilla, District Bilaspur, Himachal Pradesh, shall be on turnkey basis covering the activities & services as described in this specification |
| 2.      | Sale of Power & PPA                          | SGEL intends to enter into Power Purchase Agreement with BBMB in response to “Request for Selection (RFS) Issued Vide RFS No. <b>SECI/C&amp;P/SPD/Rfs/15MW/BBMB/072020</b>   |
| 3.      | (a) Duration of Engineering, Procurement and | (a) 540 days from the date of issuance of Letter of Award (LOA) to the contractor.   |



| Sl. No.             | Description of Item   | Particulars  |                     |                     |                    |                    |             |             |                |  |
|---------------------|---|--|---------------------|---------------------|--------------------|--------------------|-------------|-------------|----------------|--|
|                     | Construction (EPC).<br>(b) Duration of Comprehensive Operation & Maintenance. | (b) 03 (three) years from the date of completion of Commercial Operation Date (COD).   |                     |                     |                    |                    |             |             |                |  |
| 4.                  | Cost of bid document (non-refundable)   | <p>Rs. 10000.00 (Rs. five Thousand only) +18% GST.</p> <p>Bidders can pay for the cost of documents in the form of Electronic transfer/ NEFT Payments in the following account details of SGEL:</p> <table border="1"> <tr> <td><b>Name of Bank</b></td> <td>State Bank of India</td> </tr> <tr> <td><b>Account No.</b></td> <td><b>40946180057</b></td> </tr> <tr> <td><b>IFSC</b></td> <td>SBIN0003219</td> </tr> <tr> <td><b>Address</b></td> <td>M-2, South Extension, Part -II New Delhi, Delhi 110049</td> </tr> </table> <p>The bidder shall be required to forward the copy of electronic fund transfer receipt from their registered E-mail ID to SGEL Email ID- contracts.sgel@sjvn.nic.in requesting for access for download of the bidding documents in working day (ref. 6 below) .</p> <p><b>Bid without cost of bid document shall not be considered for the bidding and such bids shall not be opened by SGEL.</b></p> | <b>Name of Bank</b> | State Bank of India | <b>Account No.</b> | <b>40946180057</b> | <b>IFSC</b> | SBIN0003219 | <b>Address</b> | M-2, South Extension, Part -II New Delhi, Delhi 110049 |
| <b>Name of Bank</b> | State Bank of India   |  |                     |                     |                    |                    |             |             |                |  |
| <b>Account No.</b>  | <b>40946180057</b>  |  |                     |                     |                    |                    |             |             |                |  |
| <b>IFSC</b>         | SBIN0003219   |  |                     |                     |                    |                    |             |             |                |  |
| <b>Address</b>      | M-2, South Extension, Part -II New Delhi, Delhi 110049                        |  |                     |                     |                    |                    |             |             |                |  |
| 5.                  | Bid Security/Earnest Money Deposit (EMD)                                      | <p>Bid security/Earnest Money Deposit requirement as per <b>Attachment-3 amounting to Rs. 1.10 Cr.</b></p> <p>The bank detail of SGEL Ltd for Bank Guarantee is as under:<br/> Name of The Bank – State Bank of India<br/> Name of Branch – M-2, South Extension, Part -II New Delhi, Delhi 110049</p> <p>Account Number – 50100233525851<br/> IFSC – SBIN0003219</p>  |                     |                     |                    |                    |             |             |                |  |
| 6.                  | Bid documents available for downloading                                       | From 25.08.2022 at 18:00 Hrs. to 14.09.2022 till 12:00 Hrs.  |                     |                     |                    |                    |             |             |                |  |



| Sl. No. | Description of Item  | Particulars   |
|---------|--|---|
| 7.      | Website for downloading of Bid Document / uploading of filled in Bid Response Sheets(BRS) only in e-mode | <a href="https://www.bharat-electronictender.com">https://www.bharat-electronictender.com</a> .                               |
| 8.      | Date & Time of Pre-Bid meeting   | 06.09.2022 at 11:00 Hrs.  |
| 9.      | Venue of Pre-Bid Meeting   | Corporate Head Quarter, Shakti Sadan, SGEL Ltd., Shanan, Malyana, Shimla (through VC)   |
| 10.     | Last date and time of submission of bid  | 15.09.2022 & Time: 13:00 Hrs.   |
| 11.     | Date & time of opening of Techno-commercial Bid  | Date 15.09.2022 & Time :14:00 Hrs.  |
| 12.     | Date & time of opening of Price Bid  | Will be notified to techno commercially qualified bidders.  |
| 13.     | Last date of submission of documents in hard copy.   | Date 19.09.2022 & Time :18:00 Hrs.  |
| 14.     | Date and Time Start for E –Reverse Auction (if Conducted)  | Will be informed by SGEL to qualified Bidders   |
| 15.     | Address for submission of sealed hard copy of Techno-commercial bid & opening of Bids.                   | Dy General Manager (Contracts Deptt.), SGEL, Corporate Headquarter, Shakti Sadan, Shanan, P.O. Malyana, Shimla –171006 (H.P.) |
| 16.     | Currency of bid  | Indian Rupees (INR)   |
| 17.     | Bidder's Eligibility Criteria  | Bidders intending to participate in this bid shall fulfill the Eligibility Criteria as per Clause 1.3 of the NIT              |



| Sl. No. | Description of Item                                     | Particulars   |
|---------|---|---|
| 18.     | Period of bid Validity                                  | 120 days from the last date of submission of bids prescribed by SGEL and any extension thereof.   |
| 19.     | Pass Phrase for opening of Bids                         | The Pass phrases for opening of bids shall be submitted on e-mail id <a href="mailto:contracts.sgcl@sjvn.nic.in">contracts.sgcl@sjvn.nic.in</a> before time and date of Bid Opening.  |
| 20.     | Address for submission of queries regarding NIT, if any | Dy General Manager (Contracts), SGEL, Corporate Headquarter, Shakti Sadan, Shanan, P.O. Malyana, Shimla –171006 (H.P.)<br>Email: <a href="mailto:contracts.sgcl@sjvn.nic.in">contracts.sgcl@sjvn.nic.in</a><br>Tel No: 0177-2660132 |

### 1.3 BIDDER'S ELIGIBILITY CRITERIA

Above tender is an Open Tender Enquiry and all EPC Vendors (hereinafter called "Bidders") shall be eligible to participate in this NIT subject to fulfilling the following eligibility criteria:

#### 1.3.1 Technical Eligibility Criteria:

1. The Bidder must have successfully carried out following works:

(a) The bidder should have experience of having successfully completed a Ground mounted grid connected Solar Power Project on Engineering, Procurement and Construction (EPC) basis during last seven (07) years from the date of issuance of NIT, having capacities as below:

- One Solar Power Project of at least **12 MW AC** Capacity.  
or
- Two Solar Power Projects of at least **7.5 MW AC** Capacity each.  
or
- Three Solar Power Projects of at least **6 MW AC** Capacity each.

(b) The bidder should have completed at least one-year Operation and Maintenance (O&M) of Solar Photo Voltaic (SPV) Ground mounted grid connected solar power plant(s) of at least **4 MW AC** capacity during last seven (07) years from the date of issuance of NIT.

**AND**

2. The bidder should have an award in hand of floating solar Project for Engineering, Procurement and Construction (EPC) basis of at least **1 MW AC** capacity during last seven (07) years from the date of issuance of NIT.

**Notes: -**

- i) Copy of LOA (Letter of Award)/ completion/performance certificate (for Sl. No 1 above) and Copy of LOA (Letter of Award) for Sl. No 2 above as issued by the Developer shall be considered for qualification. The applicant shall furnish documentary evidence



by way of copies of Contract/ Purchase Order along with successful completion certificate from the client which can substantiate their claim towards meeting Criteria referred above.

- ii) Project(s)/works referred above must be executed/ awarded in India.
- iii) Any kind of subcontracting/joint ventures/consortium formation associates or group formation to fulfill the qualifying requirements of this tender will lead to disqualification of the Applicant i.e. the qualifying requirement must be met by the applicant independently.

### 1.3.2 **Financial Eligibility Criteria**

1. The Bidder should have an Annual Average Turnover for the last three (03) Financial Years, ending on [31st March of the last Financial Year] as below: -

| Eligibility criteria   | Amount (In INR)     |
|--|---------------------|
| Annual Average Turnover for the last three (03) Financial Years, ending on 31st March of the last Financial Year | <b>Rs. 30 Crore</b> |

In case where audited results for the last Financial Year are not available, the financial results certified by a practicing Chartered Accountant shall be accepted.

2. The Net Worth must be positive during last financial year ending 31st March. Further, out of the last three financial years, the Net Worth should be positive in minimum two years. Computation of Net Worth shall be based on unconsolidated audited annual accounts of the last financial years immediately preceding the Application submission Deadline.
3. Working Capital Capacity to have a cash flow amount /working capital of at least **INR 0.25** Crore per MW as evident from the immediately preceding financial as per the audited balance sheet/equivalent financial statements. Working capital/cash flow amount shall be calculated by subtracting current liabilities (CL) from the Current Assets (CA) i.e. (CA-CL) or shall submit banking reference from Scheduled Bank in India in support of working capital as per format provided in bid document in Attachment-8 (B).

**Note:** Above Banking reference(s) should contain in clear terms the amount that the Bank will be in a position to lend for this work to the applicant. In case the Net Working Capital (as seen from the Balance Sheet) is negative, only the Banking reference(s) will be considered, otherwise the aggregate of the Net Working Capital and submitted Banking reference(s) will be considered for working out the working capital.

4. The bidder has to submit the certificate from the bank ensuring that the bidder has sufficient funds to provide bank guarantee amounting to **Rs 0.15 Cr/ MW** of total capacity.
5. Following evidence/proof is to be submitted by the applicant in support of fulfilment of "Financial Criteria":
  - Annual report, Audited financial statements.
  - Besides Annual report/Audited financial statements, the bidders are required to submit Statutory Auditor/CA Certificate in support of Net worth, turnover & working capital etc. Such certificate(s) should contain Unique Document Identification Number (UDIN), duly generated by Statutory Auditor/practicing Chartered Accountant.



## 6. Note for Financial Eligibility Criteria:

- a) The definition of Net-Worth shall be as below:  
“net worth” means the aggregate value of the paid-up share capital and all reserves created out of the profits, securities premium account and debit or credit balance of profit and loss account, after deducting the aggregate value of the accumulated losses, deferred expenditure and miscellaneous expenditure not written off, as per the audited balance sheet, but does not include reserves created out of revaluation of assets, write-back of depreciation and amalgamation.
- b) For the purposes of meeting financial requirements, only unconsolidated audited annual accounts shall be used. However, audited consolidated annual accounts of the Bidder may be used for the purpose of financial requirements provided the Bidder has at least twenty six percent (26%) equity in each company whose accounts are merged in the audited consolidated accounts.
- c) In case an Applicant does not satisfy the annual turnover criteria, stipulated above on its own, its Holding Company would be required to meet the stipulated turnover requirements as above, provided that the Net Worth of such Holding Company as on the last day of the preceding financial year is at least equal to or more than the paid-up share capital of the Holding Company. In such an event, the Applicant would be required to furnish a letter of Undertaking from the Holding Company along with its Bid as per the format enclosed at Attachment-18, supported by the Holding Company’s Resolution pledging unconditional and irrevocable financial support for the execution of the Contract by the Bidder in case of award.
- d) The Banking reference(s)/ Bank Certificate for (3) and (4) above should be from a Scheduled Bank in India in the format provided in bid document in Attachment-8 (B) and it should not be more than 3 months old as on the date of submission of applications.

**1.3.3** Bidders who have been banned/ de-listed/ black listed/ debarred from business by any PSU/any Government Department/Ministry during last 03 (three) years shall be ineligible to bid. Self-declaration in this regard is to be submitted as per Attachment-05 of Section-V: BRS & Annexures.

## 1.4 SCOPE OF WORK

The Scope of works of the contractor under the contract shall involve end to end delivery of the commissioned plant to SGEL, which will include (but not limited to) the design, engineering, procurement of equipment and material, testing at manufacturer’s works, packing and forwarding, transportation, supply, receipt and unloading at site, storage, insurance at all stages, associated civil works, electrical works, services, permits, licenses, installation, erection, testing, commissioning, performance demonstration and operational acceptance of 15 MW (AC) Grid Interactive Floating Solar PV Power Plant on turnkey basis along with comprehensive Operation & Maintenance of 03 (three ) years.

The scope of the contractor shall be deemed to include all equipment, materials and services which although are not specifically mentioned in the bid documents and/or in contractor’s proposal but are necessary for the satisfactory operation of the Solar PV system and its integration with evacuation system provided by State Electricity Authority(s)/ CTU.



Detailed scope of Supply and Services is mentioned in Section-IV: Technical Specifications) of this Bid Document.

## **1.5 PROCEDURE/REQUIREMENTS FOR E-TENDERING**

**1.5.1** Bidders are required to get registered with M/s ISN Electronic Tender Services (ETS) website <https://www.bharat-electronictender.com> (if not already registered). After registration with ETS and payment of the cost of bidding documents as per clause 1.2 above, Bidding Documents may be downloaded from ETS Portal i.e. <https://www.bharat-electronictender.com>.

**1.5.2** Bidders shall be required to arrange all resources, including Digital Signature and Internet Connections at their own cost, for participating in online tenders/ bids at the portal.

**1.5.3** All the bidders are requested to get themselves registered well in advance and no extra time will be considered for the delay in on-line Vendor Registration, if any. In case bidder waits till the last moment for uploading bids, and if any technical problem is encountered at that time and the bid closing time may elapses, SGEL shall not be responsible in any manner for such delay/ or any other reason thereof.

### **1.5.4 E-Reverse Auction:-**

SGEL may also opt for e-Reverse Auction subsequent to opening of Price Bids. The intimation of the same shall be given to eligible bidders in advance. The procedure for e-Reverse Auction shall be as specified in Annexure 8 of Section-V: Bid Response Sheets & Annexures (BRS) of this bid document.

### **1.5.5 Assistance/clarification regarding e-Tendering Process**

For any assistance/clarification for registration, downloading of document, submission of Bids and any other information regarding e-Tendering, Bidders may contact to M/s ISN Electronic Tender Services (ETS) (Service Provider) having the following contact details:

**M/s Electronic Tender.com (India) Pvt. Ltd.**

1001, DLF City Court, Mehrauli-Gurgaon Rd, Sector 24, Gurugram, Haryana 122002

Contact Person: E-RA Support Team

Customer Support: +91-124-4229071, 4229072

Email: [support@isn-ets.com](mailto:support@isn-ets.com)

## **1.6 EARNEST MONEY DEPOSIT (EMD)**

**1.6.1** The Bidder shall furnish, as part of its bid, a bid security as specified in clause 2.8 of bid document. The bid security shall be in the amount stipulated in clause 1.2 above. The bid security must be submitted in the form provided at **Annexure-9** in the bidding documents.

**1.6.2** Any bid not accompanied by an acceptable EMD of requisite value and validity in accordance with Clause No 2.11 shall be rejected by SGEL as being non-responsive and returned to Bidders without being opened.

**1.6.3** Preference to MSME/SSI registered with MSME/National Small Industries Corporation (NSIC)/Designated Agency/Startups as recognized by DIPP will be governed by the



- regulation(s) of the Government of India issued from time to time.
- 1.7** All the Bidders shall enter into an Integrity Pact (to be executed on plain paper) with the Employer at the time of submission of Bids. Successful Bidder shall submit duly executed Integrity Pact on Non-Judicial Stamp Paper of appropriate value prior to signing of Contract Agreement.
- 1.8** Bidders are required to submit their bids as per the date and time indicated under Clause No. 1.2.
- 1.9 SELECTION OF EPC CONTRACTOR FOR PROJECT**
- Parties who intends to participate in this e-tender and meets the eligibility criteria as mentioned at Clause No 1.3 of this Bid Document will have to submit their Techno-commercial Bid and Price Bid (“Offer”) in accordance with the procedures, terms and conditions as mentioned in this Bid Document. SGEL will declare the Bidder as the Successful Bidder, who meets the specified qualifying requirements, whose Bid has been determined to be substantially responsive to the bid documents, and who has offered the **lowest Cost/kWh** in pursuance to the bidding conditions.
- 1.10** SGEL reserves the right to reject any or all bids or cancel/withdraw the Notice Inviting Tender (NIT) and annul the process at any time prior to the issuance of letter of Award to the Successful Bidder without assigning any reason whatsoever and shall bear no liability whatsoever consequent upon such a decision.
- 1.11** Bidders are requested to keep themselves updated with the websites <https://www.bharat-electronictender.com>, [www.sjvn.nic.in](http://www.sjvn.nic.in) and [eprocure.gov.in/cppp](http://eprocure.gov.in/cppp) on regular basis for any addition / deletion / modification / clarification or notification in respect of this NIT. No separate notification or information will be issued in any other media.
- 1.12** The “Request for Selection (RFS) issued vide RFS No. **SECI/C&P/SPD/RfS/15MW/BBMB/072020** is attached as **Section-VI**.
- 1.13** For any enquiry/ clarification regarding detailed Tender for this assignment, the bidder may contact at the following address for communication:

Dy General Manager (Contracts),  
SGEL, Corporate Headquarter, Shakti Sadan,  
Shanan, P.O. Malyana, Shimla –171006 (H.P.)  
Ph. No.: +91-177-2660132,  
E-mail : [contracts.sgel@sjvn.nic.in](mailto:contracts.sgel@sjvn.nic.in)

\*\*\*\*\***END OF SECTION**\*\*\*\*\*