



# SJVN Green Energy Limited (SGEL)

(A Wholly Owned Subsidiary of SJVN Limited)

## NOTICE INVITING TENDER (NIT)

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.



**Bid Document No: SGEL/CHQ/Contracts/Floating SPP/Bilaspur/2022  
October,2022**

**Tender search code on ETS portal: SGEL-2022-TN00007**

### **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**

# 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/Bilaspur/2022**

**October, 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 Construction (EPC). (b) Duration of Comprehensive Operation & Maintenance.	(a) 540 days from the date of issuance of Letter of Award (LOA) to the contractor. (b) 03 (three) years from the date of completion of Commercial Operation Date (COD).
4.	Cost of bid document (non-refundable)	Rs. 10000.00 (Rs. five Thousand only) +18% GST. Bidders can pay for the cost of documents in the form of

Sl. No.	Description of Item	Particulars								
		<p>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 alongwith Organisation ID (OID) of e-tendering portal, GST and address of the company 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:  Name of The Bank – State Bank of India  Name of Branch – M-2, South Extension, Part -II New Delhi, Delhi 110049</p> <p>Account Number – 50100233525851  IFSC – SBIN0003219</p>								
6.	Bid documents available for downloading	From 27.10.2022 at 18:00 Hrs. to 21.11.2022 till 12:00 Hrs.								
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	10.11.2022 at 11:00 Hrs.								
9.	Venue of Pre-Bid Meeting	Corporate Head Quarter, Shakti Sadan, SGEL Ltd., Shanan, Malyana, Shimla								
10.	Last date and time of submission of bid	22.11.2022 & Time: 13:00 Hrs.								

Sl. No.	Description of Item	Particulars
11.	Date & time of opening of Techno-commercial Bid	Date 22.11.2022 & 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 25.11.2022 & 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
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.sgel@sjvn.nic.in">contracts.sgel@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.) Email: <a href="mailto:contracts.sgel@sjvn.nic.in">contracts.sgel@sjvn.nic.in</a> 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 CRITERIA

##### 1.3.1.1 The Bidder should meet the qualifying requirements stipulated hereunder during last seven (07) years prior to the date of NIT.

- a) The Bidder should have designed, supplied, erected, supervised erection and commissioned (EPC) of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 4 MWp or higher capacity out of which at least one plant must be of 2 MWp or higher capacity. The reference plant of 2 MWp or higher capacity must be in successful operation for at least three (3) months prior to the date of NIT.

OR

b) The Bidder should be a developer of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 4 MWp or higher capacity out of which at least one plant must be of 2 MWp or higher capacity. The reference plant of 2 MWp or higher capacity must be in successful operation for at least three (3) months prior to the date of NIT.

**1.3.1.2** The bidder should have designed, supplied, erected, supervised erection and commissioned (EPC) (during last seven years from the date of issuance of NIT) for Engineering, Procurement and Construction (EPC) of at least **1 MWp** capacity grid connected **Floating solar Project**.

**OR**

The bidder should have Letter of Award/Purchase order/Agreement in hand (during last two years from the date of issuance of NIT) for Engineering, Procurement and Construction (EPC) of at least **1 MWp** capacity grid connected **Floating solar Project**.

**Notes for Clause 1.3.1**

- a. The reference SPV based grid-connected power plant of 2 MWp or above capacity should be at a single location developed by Bidder for itself or any other client.
- b. SPV based Roof-top /Floating /Ground mounted solar power projects, which are grid connected, shall also be considered eligible for QR purposes.
- c. For clause 1.1 (a), Bidder shall submit LOA/Purchase order, certificate of successful completion and operation from the Owner.
- d. For clause 1.2 above, the bidder shall submit LOA/Purchase order/ completion certificate (as applicable) from the owner/concerned authority.
- e. Direct/Indirect Order:  
The Bidder shall also be considered qualified, in case the award for executing the reference work has been received by the Bidder either directly from the owner of the plant or any other intermediary organization. In such a case, a certificate from such owner of plant or any other intermediary organization shall be required to be furnished by the Bidder along with its Techno-Commercial bid in support of Bidder's claim of meeting the qualification requirement as per clause 1.1(a). Bidder shall also submit a certificate of successful completion and operation from the Owner/ intermediary organization.
- f. For Clause 1.1(b), Bidder shall submit certificate of commissioning of the project from Government Renewable Nodal Agency/ Government Enterprise/ Discom/ Electricity Board /Concerned agency and evidence of successful operation from intermediary procurer/ procurer/Discom/ Electricity Board etc. shall be submitted.
- g. Developer means an entity who has either executed or got executed the work/ project as owner of industrial projects.
- h. The EPC, under Clause 1.1(a) and 1.2, refers to works related to minimum four of the following five areas in a Solar PV Plant:
  - i. Supply of PV Modules (**Compulsory**)
  - ii. Erection of PV Modules
  - iii. Civil works (Anchoring/Mooring)
  - iv. Inverters (Power Conditioning Units) and/or Inverter Transformers
  - v. Supply of floats system.

**1.3.2 FINANCIAL CRITERIA:**

- i) 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)
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Annual Average Turnover for the last three (03) Financial Years, ending on 31st March of the last Financial Year	<b>Rs. 30 Crore</b>
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In case where audited results for the immediately preceding Financial Year to the date of NIT are not available, the financial results certified by a practicing Chartered Accountant shall be accepted.

ii) The Net Worth must be positive during immediately preceding Financial Year and should also be positive in two Financial Years out of three preceding Financial Years. Computation of Net Worth shall be based on unconsolidated audited Annual Accounts.

iii) **Working Capital**

Capacity to have a cash flow amount /working capital of at least **INR 3.75 Crore** as evident from the Audited Balance sheet/equivalent Financial Statements of immediately preceding Financial Year. 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.

**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.

**Notes for Clause No 1.3.2:**

- a) 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.
- b) The Net worth shall be submitted in terms of definition under sub section 2 (57) of the Companies Act 2013 as amended from time to time, duly certified by Statutory Auditor/a Practicing Chartered Accountant.
- c) Other income shall not be considered for arriving at annual turnover.
- d) “Holding Company” shall have the meaning ascribed to them as per Companies Act of India.
- e) For Annual Turnover indicated in foreign currency, the exchange rate as on last date of the closing of each Financial Year will be considered. The rate of SBI Bill selling rate on closing basis will be considered for evaluation of Annual Turnover.
- f) For the purposes of meeting financial requirements, only unconsolidated/standalone 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.
- g) 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 in the bid document, 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.

- h) The Banking reference(s)/ Bank Certificate for clause 2.0 (iii) above should be from a Scheduled Bank in India and it should not be more than 3 months old as on the date of submission of applications.

### **1.3.3 Relaxation for Start-Up Companies:**

- a) **Under Technical Criteria:** Relaxation up to 50 % on the capacity indicated at clause 1.0 above shall be considered.
- b) **Under Financial Criteria:** Complete relaxation for clause no 2.0 (i) shall be provided. Further the net worth of the bidder should be positive for immediate preceding financial year from the date of NIT. However, the bidder has to qualify clause no 2 0 (iii) by themselves.
- c) Bidder has to submit the copy of valid start up registration certificate along with the bid.

## **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. As on date, being work contract purchase preference to MSEs is not applicable in the instant tender.

**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** 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.

## **1.10 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.

**1.11** 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.

**1.12** 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.

**1.13** The "Request for Selection (RFS) issued vide RFS No. **SECI/C&P/SPD/RfS/15MW/BBMB/072020** is attached as **Section-VI**.

**1.14** 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**\*\*\*\*\*