



SECTION-I

NOTICE INVITING TENDER (NIT)



SJVN Green Energy Limited

(A Wholly Owned Subsidiary of SJVN Limited)

(Open Tender Basis)
(DOMESTIC COMPETITIVE BIDDING)

NOTICE INVITING TENDER

BID DOCUMENT NO: SGEL/CHQ/Contracts/SPP/HP/2022

September, 2022

SUBJECT: Notice inviting tender for Design, Engineering, Supply, Construction, Erection, Testing, Commissioning, and three (03) years comprehensive Operation & Maintenance of total 70 MW (AC) i.e Unit I - 30 MW Kolar, Unit II - 20 MW Bhanjal & Kadh and Unit III- 20 MW Fatehpur grid connected solar PV power plant in the state of Himachal Pradesh.

- 1.1 SJVN Green Energy Limited (a wholly owned subsidiary of SJVN Limited), invites online bids on **open tender basis** 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 total 70 MW (AC) i.e Unit I - 30 MW Kolar, Unit II - 20 MW Bhanjal & Kadh and Unit III- 20 MW Fatehpur grid connected solar PV power plant in the state of 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.

The project shall be installed at 3 locations for total 70 MW i.e. 30 MW at Village Kolar Distt Sirmaur (HP), 20 MW at Village Bhanjal & Kadh, Distt Una (HP) and 20 MW at Village Bela, Ladhiarchan, Fatehpur (HP).The land details are also furnished in Technical Specifications. Further, the maximum capacity allotted to single bidder shall be 50 MW (AC) only.

1.2 BRIEF DETAILS/KEY DATE

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 total 70 MW (AC) i.e Unit I - 30 MW Kolar, Unit II - 20 MW Bhanjal & Kadh and Unit III- 20 MW Fatehpur grid connected solar PV power plant in the state of Himachal Pradesh as described in the technical specification.



Sl. No.	Description of Item	Particulars												
2.	(a) Duration of Engineering, Procurement and Construction (EPC). (b) Duration of Comprehensive Operation & Maintenance.	(a) 510 days from the date of issuance of Letter of Award (LOA) to the contractor for each unit. (b) 03 (three) years from the date of completion of Commercial Operation Date (COD).												
3.	Cost of bid document (non-refundable)	Rs. 10000.00 (Rs. Ten Thousand only) +18% GST. Bidders can pay for the cost of documents in the form of Electronic transfer/ NEFT Payments in the following account details of SGEL: <table border="1"> <tr> <td>Name of Bank</td> <td>State Bank of India</td> </tr> <tr> <td>Account No.</td> <td>40946180057</td> </tr> <tr> <td>IFSC</td> <td>SBIN0003219</td> </tr> <tr> <td>Address</td> <td>M-2, South Extension, Part -II New Delhi, Delhi 110049</td> </tr> </table> 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.sgcl@sjvn.nic.in. requesting for access for download of the bidding documents in working day (ref. 6 below). Bid without cost of bid document shall not be considered for the bidding and such bids shall not be opened by SGEL.	Name of Bank	State Bank of India	Account No.	40946180057	IFSC	SBIN0003219	Address	M-2, South Extension, Part -II New Delhi, Delhi 110049				
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4.	Bid Security/Earnest Money Deposit (EMD)	The bidder shall furnish Bid security/Earnest Money Deposit as per Attachment-3 is as under: <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Capacity for which bidder is seeking qualification</th> <th>Bid Security (Rs. in crore)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>20 MW (unit -II or unit-III)</td> <td>1.29</td> </tr> <tr> <td>2.</td> <td>30 MW (any one of Unit I or Unit-II or unit-III)</td> <td>1.88</td> </tr> <tr> <td>3.</td> <td>40 MW (Unit I or Unit-II and/or unit-III)</td> <td>2.58</td> </tr> </tbody> </table>	Sr. No.	Capacity for which bidder is seeking qualification	Bid Security (Rs. in crore)	1.	20 MW (unit -II or unit-III)	1.29	2.	30 MW (any one of Unit I or Unit-II or unit-III)	1.88	3.	40 MW (Unit I or Unit-II and/or unit-III)	2.58
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Sl. No.	Description of Item	Particulars			
		<table border="1"> <tr> <td>4.</td> <td>50 MW (any two of Unit I and/or Unit-II and/or unit-III)</td> <td>3.17</td> </tr> </table> <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 Account Number – 50100233525851 IFSC – SBIN0003219</p>	4.	50 MW (any two of Unit I and/or Unit-II and/or unit-III)	3.17
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5.	Bid documents available for downloading	From 30.09.2022 at 18:00 Hrs. to 31.10.2022 till 12:00 Hrs.			
6.	Website for downloading of Bid Document / uploading of filled in Bid Response Sheets(BRS) only in e-mode	https://www.bharat-electronictender.com .			
7.	Date & Time of Pre-Bid meeting	14.10.2022 at 11:00 Hrs.			
8.	Venue of Pre-Bid Meeting	Corporate Head Quarter, Shakti Sadan, SGEL Ltd., Shanan, Malyana, Shimla			
9.	Last date and time of submission of bid	01.11.2022 & Time: 13:00 Hrs			
10.	Date & time of opening of Techno-commercial Bid	Date 01.11.2022 & Time :14:00 Hrs			
11.	Date & time of opening of Price Bid	Will be notified to techno commercially qualified bidders.			
12.	Last date of submission of documents in hard copy.	Date 07.11.2022 & Time :11:00 Hrs			



Sl. No.	Description of Item	Particulars
13.	Date and Time Start for E –Reverse Auction (if Conducted)	Will be informed by SGEL to qualified Bidders
14.	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.)
15.	Currency of bid	Indian Rupees (INR)
16.	Bidder's Eligibility Criteria	Bidders intending to participate in this bid shall fulfill the Eligibility Criteria as per Clause 1.3 of the NIT
17.	Period of bid Validity	120 days from the last date of submission of bids prescribed by SGEL and any extension thereof.
18.	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 ID- contracts.sgcl@sjvn.nic.in
19.	Pass Phrase for opening of Bids	The Pass phrases for opening of bids shall be submitted on e-mail id contracts.sgcl@sjvn.nic.in before time and date of Bid Opening.

1.3 BIDDER'S ELIGIBILITY CRITERIA

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

1.3.1 TECHNICAL CRITERIA

The Bidder should meet the qualifying requirements stipulated hereunder in the last seven (07) years prior to the date of NIT:

1.3.1.1 The Bidder should have designed, supplied, erected/ supervised erection and commissioned the EPC of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 10 MWp or higher capacity out of which at least one plant must be of 4 MWp or higher capacity. The reference plant of 4 MWp or higher capacity must be in successful operation for at least three (3) months prior to the date of NIT.

OR

1.3.1.2. The Bidder should be a Developer of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 10 MWp or higher capacity out of which at least one plant must be of 4 MWp or higher capacity. The reference plant of 4 MWp or higher capacity must be in successful operation for at least three (3) months prior



to the date of NIT.

OR

- 1.3.1.3. (a) The Bidder should have executed an industrial project either as developer or as EPC Contractor in the area of power/ steel/ oil and gas/ petro-chemical/ fertilizer/cement/coal mining including coal handling plant and/ or any other process industry, of a value of **Rs. 1.79 Crore/MW** in a single project or single work and the same should be in successful operation for at least six (6) months prior to the date of NIT.

AND

- (b) The Bidder should have executed at least one (1) Electrical Sub-station of 33 kV or above voltage level, consisting of equipment such as 33kV or above voltage level circuit breakers and Power transformer, either as developer or as EPC Contractor which should be in successful operation for at least six(6) months prior to the date of NIT.

The works referred at clause 1.3.1.3 (a) & 1.3.1.3 (b) can be in same or different projects.

OR

- 1.3.1.4. The bidder should be an Indian company registered in India and should be Group company/Holding Company/Subsidiary company of a firm meeting the requirement (s) of Clause 1.3.1.1 or 1.3.1.2 or 1.3.1.3 above. In such a case, Bidder shall furnish an Undertaking jointly executed by the firm qualified as per clause 1.3.1.1 or 1.3.1.2 or 1.3.1.3 and the Bidder along with its bid for complete performance of the contract jointly or severally as per format enclosed in the bid document failing which the Bidder's bid is liable to be rejected.

Notes for Clause 1.3.1

- a. The reference SPV based grid-connected power plant of 4MWp or above capacity should be at a single location developed by Bidder for itself or any other client.
- b. SPV based Roof-top/Floating solar power projects, which are grid connected, shall also be considered eligible for QR purposes.
- c. For clause 1.3.1.1 & 1.3.1.3, Bidder shall submit LOA, certificate of successful completion and operation from the Owner. However, if bidder in clause 1.3.1.3 is a developer, certificate of successful commissioning of the project issued from Concerned Agency and evidence of successful operation from intermediary procurer/ procurer/Discom/ Electricity Board etc shall be submitted.
- d. For Clause 1.3.1.3, bidder shall submit documentary evidence for the value of the project certified by a Chartered Accountant.
- 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 1.3.1.1 and 1.3.1.3 above. Bidder shall also submit a certificate of successful completion and operation from the Owner.



- f. For Clause 1.3.1.2, 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 execution of industrial project as EPC Contractor under Clause No. 1.3.1.3 means, such EPC Contractor is responsible for all the activities i.e., Design/Engineering, Procurement, Construction (with/without civil works) and Commissioning of a project/work.
- i. The portion of work related to power transformer such as supply and or installation mentioned at cl. no. 1.3.1.3 (b) can either be done by EPC contractor by themselves or by the owner.
- j. The Clause 1.3.1.1, refers to works for EPC related to minimum four of the following five areas in a Solar PV Plant:
- Supply of PV Modules (Compulsory for EPC Works)
 - Erection of PV Modules
 - Civil works including Module Mounting Structures/Floaters
 - Inverters (Power Conditioning Units) and/or Inverter Transformers
 - Cables and Cabling Works

1.3.2 FINANCIAL CRITERIA

1.3.2.1 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
Annual Average Turnover for the last three (03) Financial Years, ending on 31st March of the last Financial Year	Rs. 1.79 Crore/MW

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.

1.3.2.2 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.

1.3.2.3 Working Capital

Capacity to have a cash flow amount /working capital of at least **INR 8 lakh per MW** 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.

1.3.2.4 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.

Notes for Clause No 1.3.2 :

- a) 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.
- b) Other income shall not be considered for arriving at annual turnover.
- c) “Holding Company” shall have the meaning ascribed to them as per Companies Act of India.
- d) 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.
- e) 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.
- f) 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.
- g) The Banking reference(s)/ Bank Certificate for clause no 1.3.2.3 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.

1.4 The maximum allotted capacity to single bidder shall be 50 MW(AC) i.e. maximum of two units only. Subject to the responsiveness of Bidder’s Minimum Qualification Requirement (MQR) criteria as stated at 1.3 above , it is clarified that :



- a) If a bidder seeks qualification for 20 MW and has qualified for the same, then the bidder has the option of participating in bid process for units-II and unit-III , subject to the condition that the maximum aggregate capacity that such bidder would be eligible for shall not exceed 20 MW (i.e. any one of unit- II or Unit-III).
- b) If a bidder seeks qualification for 30 MW and has qualified for the same, then the bidder has the option of participating in bid process for all the units, subject to the condition that the maximum aggregate capacity that such bidder would be eligible for shall not exceed 30 MW (i.e. any one of unit-I or unit- II or Unit-III).
- c) If a bidder seeks qualification for 40 MW and has qualified for the same, then the bidder has the option of participating in bid process for all the units, subject to the condition that the maximum aggregate capacity that such bidder would be eligible for shall not exceed 40 MW (i.e. unit -I or unit- II and/or unit-III).
- d) If a bidder seeks qualification for 50 MW and has qualified for the same , then the bidder has the option of participating in bid process for all the units , subject to the condition that the maximum aggregate capacity that such bidder would be eligible for shall not exceed 50 MW (i.e. any two of unit-I or unit- II or Unit-III).

It is further clarified that bidder is required to submit unit wise prices in the price bid (**in electronic form**) and Net Annual Guaranteed Generation (NAGG) for the capacity in which bidder is seeking qualification.

In case, bidder omits to submit the prices for the unit(s) in which the bidder is interested, then such bidder will not be considered for evaluation of that unit.

1.5 SCOPE OF WORK

The scope of the proposal shall be Design, Engineering, Supply, Erection, Testing, and Commissioning of 70 MW (Unit -I : 30 MW, Unit -II : 20 MW & Unit -III: 20 MW) Grid connected Solar PV plant along with Switchyard and Power Evacuation system up to STU Sub-Station for the allocated capacity. The scope also includes three (03) years Operation and Maintenance (O&M) of the solar PV plant including Switchyard, transmission lines and EHV bay at STU substation.

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)/ STU.

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

- 1.6** 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.

1.7 PROCEDURE/REQUIREMENTS FOR E-TENDERING

1.7.2 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>.

1.7.3 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.

1.7.4 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.

1.7.5 E-Reverse Auction:-

SGEL shall conduct unit-wise e-Reverse Auction subsequent to opening of Price Bids and shall be restricted for quoted capacity of 2 units only (maximum up to 50 MW(AC)) for each bidder. The e-RA for Unit -III i.e. 20 MW shall be carried out first followed by e-RA for unit-II i.e. 20 MW and unit -I i.e. 30 MW. The intimation of the same shall be given 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.

1.7.6 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

1.8 BID SECURITY/ EARNEST MONEY DEPOSIT (EMD)

1.8.2 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.

1.8.3 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.



1.8.4 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. Bidders are required to submit a copy of valid MSME/NSIC Certificate/Certificate of recognition as start up from DIPP/relevant certificate along with their bids in accordance with the procedure stipulated in the bid documents in a separate envelope at the time of submission of bid as per provision of NIT. Non-submission of valid certificate along with the bid may lead to denial of exemption/ preference sought / allowed and such bids shall be treated as bids with non-submission of required EMD & shall dealt as per clause 1.6.2 above.

1.9 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.

1.10 Bidders are required to submit their bids as per the date and time indicated under Clause No. 1.2.

1.11 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. Maximum two (2) quoted units shall be allocated to any bidder after e RA.

1.12 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.

1.13 Bidders are requested to keep themselves updated with the websites <https://www.bharat-electronictender.com>, www.sjvn.nic.in and 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.

1.14 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