



SJVN Green Energy Limited (SGEL)

(A Wholly Owned Subsidiary of SJVN Limited)

BID DOCUMENT

FOR

NOTICE INVITING EPC TENDER FOR DESIGN, ENGINEERING, SUPPLY, ERECTION, TESTING, COMMISSIONING AND COMPREHENSIVE O&M (THREE YEARS) FOR 75 MW (AC) SOLAR POWER PROJECT AT BANKA, BIHAR.

(DOMESTIC COMPETITIVE BIDDING)



Bid Document No: SGEL/CHQ/Contracts/EPC-Banka SPP/2024

19 August, 2024

Tender Search Code: SGEL-2024-TN000010

Regd. & Corporate Office

Corporate Headquarter,

Shakti Sadan, Shanan

P.O. Malyana, Shimla –171006(H.P.)

Website: www.sjvn.nic.in

CIN No: **CIN: U40100HP2022GOI009237**

Bid Document No: SGEL/CHQ/Contracts/EPC-Banka SPP/2024

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SECTION-I

NOTICE INVITING TENDER (NIT)



SJVN Green Energy Limited

(A Wholly Owned Subsidiary of SJVN Limited)

NOTICE INVITING TENDER

Bid Document No: SGEL/CHQ/Contracts/EPC-Banka SPP/2024

19 August, 2024

SUBJECT: EPC Tender for DESIGN, ENGINEERING, SUPPLY, ERECTION, TESTING, COMMISSIONING AND COMPREHENSIVE O&M (THREE YEARS) FOR 75 MW (AC) SOLAR POWER PROJECT AT BANKA, BIHAR.

- 1.1 SJVN Green Energy Limited (a wholly owned subsidiary of SJVN Limited), invites online bids through open tender basis on Single Stage Two Envelope (i.e. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid) with Reverse Auction for EPC Tender “DESIGN, ENGINEERING, SUPPLY, ERECTION, TESTING, COMMISSIONING AND COMPREHENSIVE O&M (THREE YEARS) FOR 75 MW (AC) SOLAR POWER PROJECT AT BANKA, BIHAR”.

The project shall be installed at Banka district., Bihar. The detailed location of the project is specified in Technical Specification. 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 DETAIL/KEY DATES

Sl. No.	Description of Item	Particulars
1.	Brief Scope of Work	Design, Engineering, Supply, Erection, Testing, Commissioning and comprehensive O&M (Three Years) for 75 MW (AC) Solar Power Project at Banka, Bihar.
2.	Sale of Power & PPA	SGEL had already signed Power Purchase Agreement with BREDA in response to “Request for Proposal (RFP) issued vide RFP No. BREDA/TENDER/SPV/GCGMSPP/250MW/22/2 020 21.
3.	(a) Duration of Engineering, Procurement and Construction (EPC).	(a) As per clause 3.17 of bid document.
	(b) Duration of Comprehensive Operation & Maintenance.	(b) Three (03) years from the Commercial Operation Date (COD).
4.	Cost of bid document (non-refundable)	Rs. 5,000.00 (Rs. Five Thousand only) +18% GST. Bidders can pay for the cost of documents in the



Sl. No.	Description of Item	Particulars								
		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 New Delhi, Delhi 110049</td></tr></table> <p>Access for downloading the Bid Document: After submission of cost of Bid Document, the bidder has to submit its Request for providing access to download the Bid Document' in the format provided at Annexure-1 to the NIT to SGEL Email ID-contracts.sgel@sjvn.nic.in in working day (before the last date of downloading of bid documents) The Bids without cost of bid document shall not be considered for the bidding and such bids shall not be opened by SGEL.</p>	Name of Bank	State Bank of India	Account No.	40946180057	IFSC	SBIN0003219	Address	M-2, South Extension, Part New Delhi, Delhi 110049
Name of Bank	State Bank of India									
Account No.	40946180057									
IFSC	SBIN0003219									
Address	M-2, South Extension, Part New Delhi, Delhi 110049									
5.	Bid Security/Earnest Money Deposit (EMD)	Bid security/Earnest Money Deposit requirement as per Clause 2.8 & Attachment-3 is required to be submitted as Rs. 7.50 Crores. In case bidder submit its Bid Security in the form of Bank Guarantee, the same shall be transmitted through SFMS Gateway by the issuing Bank to the designated Bank of SJVN Green Energy Limited, details of which is as below: <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>SBIN0013913</td></tr><tr><td>Address</td><td>M-2, South Extension, Part New Delhi, Delhi 110049</td></tr></table>	Name of Bank	State Bank of India	Account No.	40946180057	IFSC	SBIN0013913	Address	M-2, South Extension, Part New Delhi, Delhi 110049
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Account No.	40946180057									
IFSC	SBIN0013913									
Address	M-2, South Extension, Part New Delhi, Delhi 110049									
6.	Bid documents available for downloading	From 19.08.2024 at 18:00 Hrs. to 09.09.2024 till 12:00 Hrs.								
7.	Website for downloading of Bid Document / uploading of filled-in Bid Response Sheets	https://www.bharat-electronictender.com .								



Sl. No.	Description of Item	Particulars
	(BRS) only in e-mode	
8.	Date & Time of Pre-Bid meeting	30.08.2024 at 11:00 Hrs.
9.	Venue of Pre-Bid Meeting	SJVN Green Energy Limited, Corporate Head Quarter, Shakti Sadan, Shanan, Malyana, Shimla (through VC)
10.	Last date and time of submission of bid	10.09.2024 & Time: 14:00 Hrs
11.	Date & time of opening of Techno-Commercial Bid	10.09.2024 & Time :15:00 Hrs
12.	Date & time of opening of Price Bid	Will be notified to the techno commercially qualified bidders.
13.	Last date of submission of documents in hard copy.	20.09.2024 & Time :18:00 Hrs.
14.	Date and Time for Start of e-Reverse Auction (if conducted)	Will be informed to the qualified Bidders
15.	Address for submission of sealed-in hard copy of Techno-Commercial bid & opening of Bids.	Dy General Manager (ContractS) SJVN Green Energy Limited, 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.	Address for submission of queries regarding NIT, if any	Dy General Manager (Contracts), SJVN Green Energy Limited, Corporate Headquarter, Shakti Sadan, Shanan, P.O. Malyana, Shimla –171006 (H.P.)



Sl. No.	Description of Item	Particulars
		Email ID- contracts.sgel@sjvn.nic.in
20.	Pass Phrase for opening of Bids	The Pass phrases for opening of bids shall be submitted on e-mail id <u>contracts.sgel@sjvn.nic.in</u> before time and date of Bid Opening.
21.	Contact for Site Visit (if required)	Sh. Murli Manohar Singh, Sr. Manager (Civil), O/o HoP/ Manager Jamui Solar Power Project, Jamui, Bihar Mobile no- 79839-35289

1.3 BIDDER'S ELIGIBILITY CRITERIA

The Minimum Qualifying Requirements (MQR) are as under: -

1.3.1 TECHNICAL CRITERIA

The Bidder should meet the qualifying requirements stipulated hereunder during last ten (10) years ending last day of month previous to one in which NIT is issued.

1.3.1.1. 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 30 MWp or higher capacity out of which at least one plant must be of 10 MWp or higher capacity.

The reference plant of 10 MWp or higher capacity must be in successful operation for at least three (3) months prior to the last day of month previous to one in which NIT is issued.

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 30 MWp or higher capacity out of which at least one plant must be of 10 MWp or higher capacity.

The reference plant of 10 MWp or higher capacity must be in successful operation for at least three (3) months prior to the last day of month previous to one in which NIT is issued.

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. 114 Crores** in a single project or single work and the same should be in successful operation for at least six (6) months prior to the last day of month previous to one in which NIT is issued.

AND

(b) The Bidder should have executed at least one (1) Electrical Sub-station of 33 kV or above voltage level in India , 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 last day of month previous to one in which NIT is



issued.

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. For clause 1.3.1, the works (either as EPC or Developer) executed in India only shall be considered for qualification.
- b. The reference SPV based grid-connected power plant of 10 MW_p or above capacity should be at a single location developed by Bidder for itself or any other client.
- c. SPV based Ground mounted/Floating solar power projects, which are grid connected, shall be considered eligible for QR purposes.
- d. 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 documents for successful operation from intermediary procurer/ procurer/Discom/ Electricity Board etc. shall be submitted.
- e. For Clause 1.3.1.3, bidder shall submit documentary evidence for the value of the project certified by a Chartered Accountant.
- f. 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.

- g. 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 documents for successful operation from intermediary procurer/ procurer/ Discom / Electricity Board etc. shall be submitted.
- h. Developer means an entity who has either executed or got executed the work/ project as owner of industrial projects.
- i. 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.
- j. 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.



k. The EPC, under Clause 1.3.1.1, 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 including Module Mounting Structures
- iv. Inverters (Power Conditioning Units) and/or Inverter Transformers
- v. Cables and Cabling Works

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)
Annual Average Turnover for the last three (03) Financial Years, ending on 31 st March, 2024.	114 Crores

In case where audited results for the immediately preceding Financial Year to the Bid submission date 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) 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 etc.

Such certificate(s) should contain Unique Document Identification Number (UDIN), duly generated by Statutory Auditor/practicing Chartered Accountant.

iv) **Note 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.

- 1.4** 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-5 of Section-V: BRS & Annexures**.

1.5 SCOPE OF WORK

The Scope of works under the contract shall involve end to end delivery of the commissioned plant to SJVN Green Energy Limited (SGEL), which shall include (but not limited to) the development of land, 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 75 MW (AC) Grid Interactive Solar PV Power Plant(s) on turnkey basis along with comprehensive Operation & Maintenance of three (03) years thereafter. The Operation & Maintenance of Transmission line for three years shall also be in the scope of the EPC Contractor.

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

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

1.6 PROCEDURE/REQUIREMENTS FOR E-TENDERING

- 1.6.1** Bidders are required to get registered themselves 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>.

- 1.6.2** 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.



1.6.3 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.

1.6.4 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 the 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 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 EARNEST MONEY DEPOSIT (EMD)

1.8.1 The Bidder shall furnish, as part of its bid, an Earnest Money Deposit (EMD)/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-9A & Annexure- 9B** in the bidding documents.

1.8.2 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.

1.8.3 Being a tender for works contract, this tender is excluded from the purview of Public Procurement Policy for MSEs Order, 2012.

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 CONTRACTOR FOR PROJECT



Parties who intend 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.

- 1.12** 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(s) 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** The “Request for Proposal (RFP) Issued Vide RFP No.: BRED/TENDER/SPV/GCGMSP/250MW/22/2020-21 are attached as **Section-VI**.

- 1.15** For any enquiry/ clarification regarding detailed Tender for this assignment, the bidder may contact at the following address for communication:

Dy General Manager (Contracts),

SJVN Green Energy Limited,

Corporate Headquarter, Shakti Sadan,

Shanan, P.O. Malyana, Shimla –171006 (H.P.)

Ph. No.: +91-177-2660132,

E-mail : contracts.sgел@sjvn.nic.in

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

**Request for providing access to download the Bid Document**

Ref No. [Insert your Reference No.]

Dated: xx.xx.2023

To,

SJVN Green Energy Limited,

Contracts Department,

SJVN Corporate Office Complex, Shakti-Sadan,

Shanan, Shimla

Subject: Request for providing access to download the Bid Document.

Sir,

We,.....[Insert Name of the Bidder]..... have submitted Tender Document Fee in respect of “Design, Engineering, Supply, Erection, Testing, Commissioning and comprehensive O&M (Three Years) for 75 MW (AC) Solar Power Project at Banka, Bihar” issued by SGEL. Accordingly, it is requested to provide access to us for downloading the Bid Document to enable us for further proceeding to participate in the Tender Enquiry. Requisite details along with supporting documents for proceeding at your end are as below:

Sl. No.	Information to be required	Information Provided by the Bidder
1.	Legal Name of the Bidder	
2.	Organization ID (as registered on https://www.bharat-electronictender.com)	
3.	Amount (in INR) deposited towards Cost of Bid Document (including of GST)	₹5,900/- (Rupees Five Thousand and Nine Hundred only)
4.	Bid Document Reference Number for which access is required	SGEL/CHQ/Contracts/EPC-Banka SPP/2024
5.	Tender Search Code for which access is required to download the Document	SGEL-2024-TN000010
6.	Unique Transaction Reference (UTR) Number in respect of the payment made towards Cost of Bid Document	
7.	Date of Transaction made for the payment towards Cost of Bid Document	



Sl. No.	Information to be required	Information Provided by the Bidder
8.	Name of Transferor Bank	
9.	Transferor Bank IFSC	
10.	Bank A/c No.	
11.	Address of the Bidder	
12.	City	
13.	State	
14.	Postal Code	
15.	GSTIN	
16.	PAN	

Encls:

- (i) Copy of Payment Receipt/Transaction Document in respect of payment made towards Cost of Bid Document.
- (ii) Copy of PAN Card
- (iii) Copy of GST Registration Certificate

Date.....

Place.....

(Name & Signature of Authorised Representative
with Seal/Stamp of Company)