

NTPC-SAIL Power Company Limited
(A Joint Venture of NTPC & SAIL)



SECTION - I

INVITATION FOR BIDS (IFB)

INVITATION FOR BIDS

NTPC-SAIL Power Company Limited
(A Joint Venture of NTPC & SAIL)

CORPORATE CONTRACTS & MATERIAL, New Delhi

INVITATION FOR BIDS (IFB) FOR

**EPC PACKAGE FOR SOLAR PV AND BESS PROJECT AT NSPCL BHILAI TOWNSHIP,
CHHATTISGARH (GREEN TOWNSHIP INITIATIVE)**

(Domestic Competitive Bidding)

Tender/SRM RFx No: 2800009992

Date: 23.04.2025

Bidding Document No.: CMCC250015

1.0 **NSPCL** invites **online** Bids on NSPCL SRM portal on '**Single Stage Two Envelope**' bidding basis (Envelope-I: Techno-Commercial Bid & Envelope-II: Price Bid) from eligible bidders for **EPC PACKAGE FOR SOLAR PV AND BESS PROJECT AT NSPCL BHILAI TOWNSHIP, CHHATTISGARH (GREEN TOWNSHIP INITIATIVE)** as per the scope of work briefly mentioned hereinafter:

2.0 **BRIEF SCOPE OF WORK**

The scope of work includes Design, Engineering, Fabrication, Procurement, Packing, Forwarding, Supply, Transportation and handling, Custom duty (and any other duties), Freight, Insurance, Unloading, Storage, Construction, Erection, integration with the existing system, Testing & Commissioning, Supply of Mandatory Spares etc. of **600kW ground-mounted solar system with a 200kW/400kW Battery Energy Storage System (BESS) at NSPCL Bhilai Township** in line with the technical specifications. **The scope also includes one (01) year Comprehensive Operation and Maintenance (O&M) of the solar PV and BESS plant as well as Annual Maintenance Contract (AMC) of critical equipment for a period of Five Years** in line with the technical specifications.

In line with the above brief scope includes the followings:

- 1) Design, Engineering, Supply, Packaging and Forwarding, Transportation, Unloading, Storage, Construction, Erection, Testing, Commissioning of grid connected 600kW (AC) & 900kWp (DC) solar PV plant with 200kW & 400kWh BESS and Comprehensive Operation and Maintenance (O&M) works of solar PV and BESS system for one year from the date of successful completion of trial run shall be on turnkey basis.
- 2) Site-grading, clearing of vegetation.
- 3) Providing power supply and water supply for construction purposes.
- 4) All associated electrical and civil works required for interfacing with grid (township LT switchgear).
- 5) Metering system as per specifications.
- 6) Fire Detection and protection system.
- 7) Solar Module cleaning system.
- 8) Remote monitoring and control system with all hardware & software.
- 9) Develop detailed start up and site acceptance plan.
- 10) Supply any special equipment and tools required for the operation and maintenance of the project.
- 11) Supply mandatory spares.

- 12) Provide a warranty for the solar PV and BES plant equipments as per technical specification.
- 13) Provide training for the operators, engineers, technicians and maintenance personnel.
- 14) Successful Bidder shall be responsible for identifying and providing any and all other additional equipment, components, and services necessary to install a fully functional solar PV and BESS plant with microgrid feature.

3.0 NSPCL intends to finance subject Package through **NSPCL - INTERNAL RESOURCES**.

4.0 Detailed Specification, Scope of Work and Terms & Conditions are given in the Bidding Documents and as per the following schedule:

Issuance of IFB	23.04.2025
Documents Download start date and time	From 23.04.2025 1500 hrs (IST)
Last date for receipt of queries from bidders (if any) *	10.05.2025
Bid (both Techno-Commercial and Price) receipt date & time	Up to 27.05.2025 by 1500 hrs. (IST)
Date & Time for opening of Envelop-I (Techno-Commercial bid)	27.05.2025 at 1530 hrs. (IST)
Date & Time for opening of Envelop-II (Price bid)	Shall be intimated after opening of Techno- Commercial Bid.
Cost of Bidding Documents in INR	NOT APPLICABLE

*Bidders are advised to visit the NSPCL SRM portal for updated bidding schedule of the Tender.

* No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries as specified above.

5.0 All bids must be accompanied by Bid security for an amount of **INR 5,00,000/- (Indian Rupees Five Lakhs only)** in the form as stipulated in Bidding Documents.

ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE BID SECURITY SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE AND SHALL NOT BE OPENED.

5.1 In case, the bid security is submitted through electronic fund transfer (EFT), bidder to submit the proof of e-payment of bid security in the e-tendering portal. (Bidders who are unable to send the original bank guarantee in physical form at the tender opening location, may adopt procedure given in bidding documents or may opt for online transfer of bid security through NEFT/RTGS to NSPCL's bank whose details are provided in the bidding document).

6.0 A complete set of Bidding Documents may be downloaded by any interested Bidder after logging in NSPCL SRM Portal (<https://sapportal.nspclsrijaan.co.in:50200/iri/portal>) ~~after payment (non-refundable) of the cost of the documents through the link available in the NSPCL SRM portal.~~

For logging on to the NSPCL SRM Portal, the bidder would require SRM User ID and Password which can be obtained from NSPCL Corporate Office by raising request through email on sk.babel@nspcl.co.in or hodcnm.cc@nspcl.co.in along with Registration Form duly filled up on Bidder's letter head and attaching required supporting documents. The Registration form is available on NSPCL website www.nspcl.co.in under tab "Tenders" → "NSPCL SRM PORTAL".

No hard copy of Bidding Documents shall be issued. Bids shall be submitted ONLY at the NSPCL SRM Portal i.e., <https://sapportal.nspclsrijaan.co.in:50200/iri/portal>

7.0 **QUALIFYING REQUIREMENTS FOR BIDDERS**

Qualifying Requirement (QR) for subject package is Attached as Annexure-1 herewith.

- 8.1 Downloading/Issuance of bid documents to any Bidder shall not construe that such bidder is considered to be qualified.
- 8.2 NSPCL reserves the right to reject any or all bids or cancel / withdraw the Invitation for Bids without assigning any reason whatsoever and in such case no bidder / intending bidder shall have any claim arising out of such action.
- 8.3 Bids shall be submitted online and opened at the address given below in the presence of Bidder's representatives who choose to attend the bid opening. Bidder shall furnish Bid Security, Deed of Joint Undertaking / Joint Venture / Consortium Agreement / ~~Integrity Pact (if applicable)~~, Letter of Undertaking from Associate for BESS and Power of Attorney separately offline as detailed in Bidding Documents by the stipulated bid submission closing date and time at the address given below.
- 9.0 Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.
- 10.1 'Class-I local suppliers' and 'Class-II local suppliers' only are eligible to participate in this tender, as defined in the bidding documents/ Public Procurement (Preference to Make in India), Order 2017 and its subsequent amendments/ revisions issued by DPIIT. The bidders may apprise themselves of the relevant provisions of bidding documents in this regard before submission of their bids."
- 10.2 Any 'Bidder from a country which shares a land border with India', as specified in the Bidding Documents, will be eligible to bid in this tender only if bidder is registered with the Competent Authority as mentioned in the Bidding Documents.

Further, any bidder (including bidder from India) having specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India, will be eligible to bid only if the bidder is registered with the same competent authority.

However, the said requirement of registration will not apply to bidders from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects.

11.0 **Address for communication:**

HOD (CC&M)
NTPC SAIL Power Company Limited,
4th Floor, NBCC Tower,
15, Bhikaji Cama Place,
New Delhi – 110066
Contact: 011-26717376 / 77

E-mail: sk.babel@nspcl.co.in , hodcnm.cc@nspcl.co.in

Websites:

<https://sapportal.nspclsrijan.co.in:50200/irj/portal> .

<https://nspcl.co.in>

12.0 Registered & Corporate Office

NTPC-SAIL Power Company Limited
4th Floor, NBCC Tower,
15, Bhikaji Cama Place,
New Delhi – 110066
Website: www.nspcl.co.in

EPC PACKAGE FOR SOLAR PV AND BESS PROJECT AT NSPCL BHILAI TOWNSHIP, CHHATTISGARH (GREEN TOWNSHIP INITIATIVE). PROJECT CONFIGURATION (Solar Capacity: 600kW, BESS Capacity: 200KW and 400 KWh)

Qualification Requirements

In addition to the requirements stipulated under section Instruction to bidder (ITB), the bidder should also meet the qualifying requirements stipulated hereunder under clause 3.1.0 and 3.2.0

3.1.0 TECHNICAL CRITERIA

3.1.1 Route 1

The Bidder should have designed, supplied, erected/ supervised erection and commissioned/ supervised commissioning of

a) Grid connected Solar PV plant of minimum 480kWp at any single location.
AND

b) Grid connected BESS of minimum 100kW at any single location.

The reference plants under 3.1.1(a) and 3.1.1(b) above should have been in successful operation for at least **six (06)** months prior to the date of techno commercial bid opening.

3.1.2 Route 2

The Bidder should have designed, supplied, erected/ supervised erection and commissioned/ supervised commissioning of

a) Grid connected Solar PV plant of minimum 480kW (AC) at any single location
AND

b) The bidder shall have an associate for BESS who meets the criteria as in clause 3.1.1 (b) above.

The reference plants under 3.1.2(a) and 3.1.2(b) should have been in successful operation for at least six (06) months prior to the date of techno commercial bid opening.

3.1.2.1 The bidder, seeking qualification through Route 2 above, shall submit a letter of Undertaking {for 3.1.2 (b)} from the associate for the BESS, as per the format enclosed in the bidding documents, for the successful performance of the BESS. The undertaking should be submitted along with the Techno- Commercial bid, failing which the Bidder shall be disqualified, and its bid shall be rejected.

Notes for Clause 3.1.0

- i. The reference grid connected Solar PV based power plant and BESS in 3.1.1 and 3.1.2 above, may be either at same or different location.
- ii. The reference grid connected solar PV plant and BESS in 3.1.1 and 3.1.2 above should be developed by Bidder for itself or any other client.
- iii. Bidder shall submit the certificate of successful completion and operation from the Owner. Certificate issued by owner in the name of Bidder/intermediary Organization shall be

- acceptable.
- iv. **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 3.1.1 and 3.1.2, above. Bidder shall also submit a certificate of successful completion and operation from the Owner in line with note(iii) above.
- v. Work executed by Bidder's holding company / wholly owned subsidiary/group company shall also be considered as Bidder's experience for meeting the QR.

3.2.0 FINANCIAL CRITERIA

3.2.1 The average annual turnover of the Bidder, should not be less than **INR 377 Lakhs (Indian Rupees Three Hundred and Seventy-Seven Lakhs Only)** during the preceding three (3) completed financial years as on the date of techno-commercial bid opening.

3.2.2 In case a Bidder does not satisfy the average annual turnover, 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 Bidder would be required to furnish along with its Techno-Commercial bid, a Letter of Undertaking from its Holding Company, supported by the Holding Company's Board Resolution, as per the format enclosed in the bid documents, pledging unconditional and irrevocable financial support for the execution of the contract by the Bidder in case of award.

3.2.3 Net Worth of the Bidder as on the last day of the preceding financial year should not be less than 100% (one hundred percent) of bidder's paid-up share capital. In case the Bidder does not meet the Net Worth criteria on its own, it can meet the requirement of Net worth based on the strength of its Subsidiary(ies) and/or Holding Company and/or Subsidiaries of its Holding companies wherever applicable. In such a case, however the Net worth of the Bidder and its Subsidiary(ies) and/or Holding Company and/or Subsidiary(ies) of the Holding Company, in combined manner should not be less than 100% (one hundred percent) of their total paid up share capital. However individually, their Net worth should not be less than 75% (seventy five percent) of their respective paid up share capitals.

Net worth in combined manner shall be calculated as follows:

$$\text{Net worth (combined)} = (X1+X2+X3) / (Y1+Y2+Y3) \times 100$$

Where X1,X2,X3 are individual Net worth which should not be less than 75% (seventy five percent) of the respective paid up share capitals and Y1,Y2,Y3 are individual paid up share capitals.

3.2.4 In case the Bidder is not able to furnish its audited financial statements on standalone entity basis, the unaudited unconsolidated financial statements of the Bidder can be considered acceptable provided the Bidder further furnishes the following documents on substantiation of its qualification:

- (i) Copies of the unaudited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.
- (ii) Certificate from the CEO/CFO of the Holding Company, as per the format enclosed in the bidding documents, stating that the unaudited unconsolidated financial statements form part of the consolidated financial statement of the Holding Company.

In case where audited results for the last financial year as on date of techno-commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case, Bidder is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters, the audited result of three (3) consecutive financial years preceding the last financial year shall be considered for evaluating financial parameters. Further, a certificate would be required from the CEO/CFO as per the format enclosed in the bidding documents stating that the financial results of the company are under audit as on techno-commercial bid opening and the Certificate from a practicing Chartered Accountant certifying the financial parameters is not available.

Notes for Clause 3.2.0:

- i. Net worth means the sum total of the paid up share capital and free reserves. Free reserves means all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.
- ii. Other income shall not be considered for arriving at annual turnover.
- iii. "Holding Company" and "Subsidiary" shall have the meaning ascribed to them as per Companies Act of India.
- iv. For annual turnover and net worth indicated in foreign currency, the exchange rate as on seven (7) days prior to the date of Techno-Commercial bid opening shall be used.