

SECTION - I

INVITATION FOR BIDS (IFB)

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

INVITATION FOR BIDS (IFB)

FOR

R&M work of ESP Up-gradation at Bhilai PP-II (2X30MW+1X14MW)

(Domestic Competitive Bidding)

Tender ID No: 2026_NSPCL_269123 _1

Date: 13.03.2026

Bidding Document No: CMCC260004

- 1.0 NTPC-SAIL Power Company Limited invites on-line bids on **Single Stage Two Envelope Basis (i.e. Envelope-I: Techno-Commercial and Envelope-II: Price)** from eligible Bidders for **R&M work of ESP Up-gradation at Bhilai PP-II (2X30MW+1X14MW)**, as per the scope of work briefly mentioned hereinafter.
- 2.0 **Brief Scope of Work**
- A. Following is the scope of work for BHEL make passes.
- i. The original ESP was designed with a collecting electrode spacing of 250 mm; we propose to upgrade the system with a 400 mm electrode spacing to enhance collection efficiency and overall performance.
 - ii. Complete replacement of collecting electrodes along with their suspension system.
 - iii. Complete replacement of discharge electrodes and their suspension system.
 - iv. Replacement of the entire rapping mechanism for collecting electrodes, discharge electrodes, and gas distribution plates, as per the original Tumbling Hammer Rapping System design.
 - v. Complete replacement of existing Transformer Rectifier (TR) sets along with controller with latest controllers and conventional single-phase TR sets.
 - vi. The existing MCC/ACP panel will be retained, modification to be carried out only.
 - vii. Power cables, C&I cables, and cable trays with accessories will be replaced or retained based on actual site conditions. Existing to be used wherever possible.
 - viii. The existing support structure, casing, hoppers, and inlet/outlet cones will be retained, with patchwork or reinforcement carried out as necessary.
 - ix. Insulation and cladding of the casing, hoppers, cones & ducting will be retained, with patchwork done for any damaged sections.
 - x. Modification of the common duct at the ESP inlet and outlet.
 - xi. Expansion joints at the ESP inlet and outlet will be replaced.

- xii. Guillotine gates at the inlet and outlet will be replaced.
- B. Following is the scope of work for new passes in place of existing Andrew Yule passes.
- i. Complete dismantling of support structure including foundations and supply & installation of new support structure including foundations or strengthening of structure and foundation of existing Andrew Yule pass.
 - ii. Dismantling of existing ESP internals, Roof, TR sets, inlet & outlet common duct for modification.
 - iii. Supply and installation of ESP casing for each newly added field.
 - iv. Supply and installation of one (1) hopper per field for dust collection
 - v. Supply and installation of new inlet and outlet cones for the newly added ESP.
 - vi. Complete supply and installation of new collecting and emitting electrodes including rapping system.
 - vii. Supply and installation of new guillotine gate, expansion bellows and new duct to connect with existing system.
 - viii. Supply and installation of new TR sets, MCC, ACP panels, cables, cable trays etc. to meet the requirements.
- C. Following is the scope of work Ash handling system for both BHEL make and new passes in place of Andre Yule passes.
- i. Supply and installation of a dedicated ash handling system for the newly added ESP Pass and existing BHEL ESP Pass. Ash Handling system shall consist of i.e.
 - a. Unloading of Ash from ESP hopper up to Ash Vessel including fluidizing pad, valves, instruments etc.
 - b. MS ERW heavy grade Pipe conveying from Ash Vessel up to Silo including fittings.
 - c. Oil Lubricating Air cooled screw air compressor – (1W+1S) Common for three units including Air receiver.
 - d. PLC Panel for operation of Ash Handling system as per OEM/ OES Design requirement.
 - ii. Interconnection and seamless integration with the existing ash handling infrastructure to ensure synchronized and efficient operation.
- 3.0 NSPCL intends to finance the aforesaid Package through Domestic Funds / Own Resources.
- 4.0 Detailed specification, scope of work and terms & conditions are given in the Bidding Documents, which are available at Government e-procurement portal of NIC (GePNIC) at website - <https://etenders.gov.in/eprocure/app> and as per the following schedule:

Issuance of IFB	13.03.2026
Documents Download Dates and Time	From 13.03.2026
Last date for receipt of queries from bidders (if any) *	24.03.2026
Pre-bid conference date & time	Shall be conducted through VC on MS Teams on 24.03.2026, 1100 Hrs.(IST).
Bid (both Techno-Commercial and Price) receipt date & time	Up to 02.04.2026 by 15:00 hrs. (IST)
Date & Time for opening of Envelop-I (Techno-Commercial bid)	03.04.2026 at 15:30 hrs. (IST)
Date & Time for opening of Envelop-II (Price bid)	Shall be intimated after opening of Techno- Commercial Bid.
Bid Security/EMD Amount	INR 2,00,00,000/- (Indian Rupees Two Crores Only)

*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 2,00,00,000/- (Indian Rupees Two Crore 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

- 6.0 A complete set of Bidding Documents may be downloaded by any interested Bidder from the e-Tender Portal as per specified schedule. The tender is invited under e-tendering process. The bidders can enroll themselves on the website <https://etenders.gov.in/eprocure/app>. The use of Digital Signature Certificate (DSC) Class- 3 key is mandatory for e-tendering activities. Accordingly, bidders should have Digital Signature Certificate (DSC) key of Class 3 to participate in e-tendering. Bidders, if required, can obtain DSC Class-3 key from agencies authorized by Govt. of India. The e-Tender Portal also has the user manuals with detailed guidelines on enrolment and participation in the bidding process.

No hard copy of Bidding Documents shall be issued. Bids shall be submitted **ONLY** at the e-Tender Portal i.e., <https://etenders.gov.in/eprocure/app>

- 7.0 **Qualifying Requirements for Bidders:**

Qualifying Requirement (QR) for subject package is attached as **Annexure-I**.

- 8.0 '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.
- 9.0 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.
- 10.0 Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.
- 11.0 Downloading/Issuance of Bidding Documents to any bidder shall not construe that bidder is considered qualified.
- 12.0 NSPCL reserves the right to reject any or all bids or cancel/withdraw the Invitation for Bids (IFB) for the subject package without assigning any reason whatsoever and in such case no bidder/intending bidder shall have any claim arising out of such action.

13.0 Address for Communication

HOD (CC&M),
NTPC SAIL Power Company Limited,
4th Floor, NBCC Tower,
15, Bhikaiji Cama Place,
New Delhi-110066
Contact: 011-26717376 / 77
e-mail : vidyathool@nspcl.co.in/ hodcnm.cc@nspcl.co.in

Websites: <https://etenders.gov.in/eprocure/app> or www.nspcl.co.in

14.0 Registered Office

NTPC- SAIL POWER COMPANY LIMITED
4th Floor, NBCC Tower,
15 Bhikaiji Cama Place,
New Delhi - 110066
Corporate Identification Number:U74899DL1999PLC098274,
Website: www.nspcl.co.in

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The bidders who wish to participate in the bidding shall satisfactorily establish that they fulfil the following Qualifying Requirements.

1. Technical Criteria

1.0 **Route.1**-The Bidder should have designed, supplied, erected/supervised erection and commissioned/supervised commissioning of at least one ESP of the type offered (either rigid discharge framework Electrostatic Precipitator or Moving Electrode Electrostatic Precipitator (MEEP)) having design efficiency not less than 99% operating in conjunction with pulverized/CFBC/AFBC coal fired steam generating unit rated for a minimum of 30 MW unit size or minimum 150 Ton per hour steaming capacity, which is in successful operation for not less than one (1) year prior to the date of Techno-Commercial bid opening.

OR

1.1(A) **Route.2**-The bidder should have executed / are executing Renovation and Modernization (R&M) or up gradation or retrofitting of ESPs for Pulverised/CFBC/AFBC coal fired steam generating units rated for a minimum of 30 MW unit size or minimum 150 Ton per hour steaming capacity and shall associate with an Electrostatic Precipitator manufacturer who meets the requirements as per 1.0 above. Bidder shall however offer only the type of ESP for which his associate qualifies.

1.1(B) The bidder shall along with the bid furnish a deed of joint undertaking executed by him and the Electrostatic Precipitator manufacturer for the successful performance of Electrostatic Precipitator, as per the format enclosed in the bidding documents in which the Electrostatic Precipitator manufacturer and the bidder are jointly and severally liable to the Employer to perform all the contractual obligations including the technical guarantees for the complete Electrostatic Precipitator. The deed of joint undertaking shall be submitted along with the bid, failing which the bidder shall be disqualified, and his bid shall be rejected. In case of award, the Electrostatic Precipitator manufacturer will be required to furnish on demand a bank guarantee for 2% of the total contract price of Electrostatic Precipitator package in addition to the contract performance security to be furnished by the bidder.

2. Financial Criteria

2.1 The average annual turnover of the Bidder should not be less than INR 55.50 Crore (Indian Rupees Fifty-Five Crore and Fifty Lacs Only) during the preceding three (3) completed financial years as on date of techno-commercial bid opening.

2.2 The Net worth should not be less than 100% of the Bidder's paid up share capital as on the last day of the preceding financial year.

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In case the Bidder meets the requirement of Net worth based on the strength of its Subsidiary(ies) and/or Holding Company and/or Subsidiary(ies) of the Holding Companies wherever applicable, the Net worth of the Bidders 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% of their total paid up share capital. However, individually, their Net worth should not be less than 75% of respective paid up share capitals. For Consortiums/Joint Ventures, wherever applicable, the Net worth of all consortium/Joint Venture members in combined manner should not be less than 100% of their paid up share capital. However individually their Net worth should not be less than 75% 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% of the respective paid up share capitals and Y1, Y2, Y3 are individual paid up share capitals.

- 2.3 In case, a bidder does not satisfy the financial criteria, stipulated at clause 2.1 above on its own, its holding company would be required to meet the stipulated turnover requirements at clause 2.1 above, provided that the net worth of such holding company as on the last day of 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 bid, a Letter of Undertaking from its holding company, supported by 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.
- 2.4 In case the bidder is not able to furnish its audited financial statements on standalone entity basis, the un-audited unconsolidated financial statements of the bidder can be considered acceptable provided the bidder furnishes the following further documents on substantiation of its qualification
1. Copies of the un-audited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.
 2. A Certificate from the CEO/CFO of the Holding Company, as per the format enclosed in the bidding documents, stating that the un-audited unconsolidated financial statements form part of the Consolidated Annual report of the company.
- 2.5 In case where audited results for the last financial year as on the date of techno commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case,

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Bidder is not able to submit the certificate from practicing Chartered Accountant certifying its financial parameters, the audited results for the three consecutive financial years preceding the last financial year shall be considered for evaluating the 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 the date of Techno commercial bid opening and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.

Note

1. Net worth means the sum total of the paid-up share capital and free reserves. Free reserves mean 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.
2. Other income shall not be considered for computing annual turnover.
3. The figures indicated in 2.1 are exclusive of Taxes and Duties. If required, certificate in support of taxes and duties to be provided from Chartered Accountant.
4. "Holding Company" and "Subsidiary Company" shall have the meaning ascribed to them as per Companies Act of India, in vogue.