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_292140 **Date: 14.10.2026**

Bidding Document No: CMCC260004-R

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	14.10.2026
Documents Download Dates and Time	From 14.10.2026
Last date for receipt of queries from bidders (if any) *	26.10.2026
Pre-bid conference date & time	Shall be conducted through VC on MS Teams on 28.10.2026, 1100 Hrs.(IST).
Bid (both Techno-Commercial and Price) receipt date & time	Up to 03.11.2026 by 15:00 hrs. (IST)
Date & Time for opening of Envelop-I (Techno-Commercial bid)	04.11.2026 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, Bhikaji 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 Bhikaji Cama Place,
New Delhi - 110066
Corporate Identification Number:U74899DL1999PLC098274,
Website: www.nspcl.co.in