



OWNER:

MAITHON POWER LIMITED

PROJECT MANAGER:

MAITHON POWER LIMITED

PROJECT:

**Procurement of service for ESP Overhauling, CE repairing and ESP internal water washing during outage
for Maithon Power Limited (MPL), Jharkhand - India**

TENDER REF: MPL/MMD-AHP/AKT/2026-27/2500023332

EXPRESSION OF INTEREST (EOI)

Enquiry reference no.: - MPL/MMD-AHP/AKT/2026-27/2500023332
Procurement of service for ESP Overhauling, CE repairing and ESP internal water washing during outage for Maithon Power Limited (MPL), Jharkhand – India.
Type of Bidding: E-tendering / Two Part
Contact Details: Mr. Alok Kumar Tripathy - Lead Engineer - Contracts, Mobile: 7673971123, Email Id: alok.tripathy@tatapower.com. Ms. Jayashree Choudhury - Head Contracts & Materials, Mobile: 9234550658, Email Id: choudhuryj@tatapower.com. Maithon Power Ltd., (A Joint Venture Company of Tata Power & DVC), Works: Village Dambhui, P.O. Barbendia, P.S. Nirsa, District Dhanbad 828 205, Jharkhand, India.

Maithon Power Limited (“Owner”) invites Expression of Interest (EOI) from interested parties for the Two-Part e-Tendering Process of following Relevant Package:

Plant Details	Description	Tender Fee	Bid Security (EMD)
2X525 MW Maithon Power Limited (MPL), Dhanbad, Jharkhand	Procurement service for ESP Overhauling, CE repairing and ESP internal water washing during outage for Maithon Power Limited (MPL), Jharkhand - India	INR 2,000/- (INR Two Thousand Only) To be submitted along with EOI.	Rs 70,000/- (INR Seventy Thousand only). Bid Security to be submitted as a Guarantee/ DD/ NEFT at the BID stage (and not with EOI).

INTRODUCTION:

Maithon Power Limited (MPL) is a 74:26 joint venture of The Tata Power Company Limited and DVC (Damodar Valley Corporation). MPL owns and operates 2x525 MW capacity, Indian coal based thermal power generation plant based on pulverized coal-based boiler technology. The generating plant is in Maithon near the city of Dhanbad in the state of Jharkhand in India. A brief overview of Owner and Site is given below:

Site Name	2 X 525 MW Maithon Thermal Power Plant
Owner	Maithon Power Limited
Project Manager	Maithon Power Limited
Site Location	Maithon, Dhanbad district, Jharkhand, India, on the right bank of the river Barakar in the Nirsa-cum-Chirkunda C.D. Block of Dhanbad district, Jharkhand at a road distance of about 7.5 km from Nirsa, North of G.T. Road (N.H.2) and 10 km north of Mugma railway station on the Howrah Mughalsarai Grand Chord line of the Eastern Railway. ➤ Latitude: 23 deg 49' - 38" N ➤ Longitude: 86 deg 45' - 41" E
Elevation Above Mean Sea Level	156 m to 177 m above Mean Sea Level
Access to Site	➤ Road: About 7.5 km north of G.T. Road Nearest town is Nirsa ➤ Rail: Nearest Railway station – Mugma railway station.

1. Brief SCOPE OF WORK:

Procurement of Service for ESP Overhauling, Collecting Electrode repairing and ESP internal water washing during outage for Maithon Power Limited (MPL), Jharkhand – India. This is a high risk work , safety evaluation of bidder's will be part of this package.

Detailed technical specifications and quantity required will be shared during the RFQ stage.

2. TENDER FEE & TIMELINES:

- a) Interested parties meeting the pre-qualification criteria specified in this document can request for Bid Document and participate in the bidding process by submitting their Expression of Interest (EOI) and credentials along with the Tender Fee not later than specified date. Request for Bid Document/EOI will not be entertained beyond the deadline may be liable for rejection.
- b) Non-Refundable Tender Fee, as indicated in table above, in the form of direct deposit in the following bank account and submit the receipt/proof of payment to the mailing addresses provided, clearly indicating the Tender Reference number, and covering note.

Details for payment of Tender Fee:	
Bank details for submitting Tender fees through bank transfer / NEFT:	Beneficiary Name – Maithon power Limited Bank Name – State Bank of India Branch Name – CAG, Mumbai (09995) Address – Neville House, 23 J. N. Heredia Marg, Ballard Estate, Mumbai-400001 Branch Code –09995 Account No – 00000031828734113 Account type – CC IFSC Code – SBIN0009995
Deadline for tender fee payment and submission of EOI:	18th June 2026

It may please be noted that all future correspondence will be strictly done only with Interested Bidders who have done the above steps in time with Authorized Person only through MPL E-Tender System.

c) Detailed Bid Document (also referred as RFQ) shall be issued through Tata Power e-tender portal (Ariba System) only to the parties that submitted a valid EOI as per terms mentioned in this document.

Bidder to note that commercials for subject tender may be conducted through e-auction. Detailed bidding and auction process shall be detailed in the RFQ / tender document.

3. BIDDER PRE-QUALIFICATION CRITERIA:

Interested parties to note that Bidder shall be required to fulfill the following conditions and submit relevant supporting documents for each of the following criteria along with the Bid. Bidder will be required to submit relevant supporting documents to demonstrate their qualification during the bid submission stage against Tender document / RFQ and bidders not found meeting the pre-qualification requirements given below will be disqualified from the tender.

3.1. TECHNICAL CRITERIA:

Bidders must fulfil the minimum technical qualifications listed below and submit relevant documentary evidence along with their technical offer. **Failure to comply will result in bid rejection.**

1. The bidder should have Successfully completed the overhauling and replacement of Electro-Static Precipitator (ESP) to at least 250 MW or more Units of multiple order. The value of order must be more than Rs. 80 Lakhs (excluding tax) for services during any one of the preceding 5 years (FY'26, FY'25, FY'24, FY'23, FY'22) in NTPC/BHEL/TATA Power/Adani Power.
2. The Bidder should have complete replacement, Overhauling and one-to-one replacement of M/s BHEL make ESP internals of at least 250 MW or more Units. The Bidder should share the PO copies of last five years of above kinds of jobs.
3. Bidder shall provide 2 Purchase Orders of similar experience as above as PO of value not less than 80 lakhs (excluding Taxes) per year.
4. Bidders have good performance and track records for the Tata Power in past execution of PO.

5. Bidders have to submit Job satisfactory certificate/Completion certificate along with the PO copy.

3.2. FINANCIAL CRITERIA:

1. The average annual turnover of the bidder shall not be less than Rs. 2.0 Cr for the preceding three financial years (FY'26, FY'25, FY'24).
2. The financial net worth of the bidder shall be positive as per the latest audited annual report.
3. Bidder will be required to submit copies of their profit and loss account and audited Balance sheet for the last three preceding financial years. In cases, where audited results for the last preceding financial year are not available, certification of financial statements from a practicing Chartered Accountant shall also be considered acceptable.

DOCUMENTS REQUIRED WITH BID FOR TECHNICAL/FINANCIAL CRITERIA

The bidder shall in his own interest, furnish complete documentary evidence to justify that he meets the 'Bidder Qualification Criteria' as given above. The bidder shall submit the following documents also along with the tender.

Sr No	Name & Address of the Client	Client Station Details	Area of Operation	PO no and date	Contract Duration	Contract value Rs. Crores

- a) Copies of work orders issued by owner/client (Original).
- b) Copies of supplied material quality certificates issued by owner/client (Original).
- c) List of materials with details and values meeting the above conditions.

OTHER DETAILS/DOCUMENTS REQUIRED FOR QUALIFICATION:

The bidder shall in his own interest, furnish complete documentary evidence to justify that he meets the 'Bidder Qualification Criteria' as given above. The bidder shall submit the following documents also along with the tender.

- 1) Bidder shall submit valid PF, Service Tax registrations and PAN.
- 2) Bidder shall furnish Annual reports containing Audited Balance sheets with Profit and Loss Accounts statements of the preceding 3 (Three) financial years viz. (2023-24, 2024-25, 2025-26) along with the bid to establish Bidder's conformance to Experience and Financial Criteria mentioned above.
- 3) All documents furnished by the bidder in support of meeting the financial criteria of PQR shall be duly certified by a practicing Chartered Accountant (not being an employee or Director or not having any interest in the bidder's company/firm) where audited accounts are not mandatory as per law.
- 4) Bidder shall furnish ISO:9001, ISO:14001 & OSHA:18001/ISO:45001 issued by accredited body.
- 5) Submission of authentic documents is the prime responsibility of the Bidder.

6) MPL reserves the right of getting the documents submitted by the bidder, cross verified from the document issuing authority. Failure to meet the above Bidder Qualification Criteria will render the bid to be summarily rejected. Therefore, the bidder shall in his own interest furnish complete documentary evidence in the first instance itself along with their bids, in support of their fulfilling the Bidder Qualification Criteria as given above. MPL reserve the right to complete the evaluation based on the details furnished by the bidder, with or without seeking any additional information/ documents.

ESP TECHNICAL SPECIFICATION:

Unit Capacity: -525MW

Type of Precipitator: 4xFAA – 9x45H – 2x90135 – 2

Number of precipitators: 4

Number of gas path per ESP: 2

Number of fields in series in each gas path: 9

Total number of fields for unit#2 ESP: 72

Gas flow rate: 827.7 m³/sec (BMCR) and 718.4 m³/sec (TMCR)

Outlet dust concentration: 50 mg/Nm³

ESP efficiency: 99.930%

Pressure drops across the precipitator for design condition: 20 mm WC

Velocity of gas inside ESP: 0.85 m/sec

No. of rows of collecting electrodes per field: 61

Type of emitting electrode: Spiral with hooks

Size of emitting electrode: 2.7 mm in diameter

Quantity of Emitting electrodes: 116640

Quantity of collecting rapping mechanism: 72

Rating of collecting rapping mechanism: Geared motor 0.33 HP, 1.11 rpm, 3 phases, 415-volt, 50 Hz, AC

Quantity of emitting rapping mechanism: 72

Rating of emitting rapping mechanism: Geared motor 0.33 HP, 2.5 rpm, 3 phases, 415-volt, 50 Hz, AC

Quantity of gas distribution screen rapping mechanism: 8

Rating of gas distribution screen rapping mechanism: Geared motor 0.33 HP, 1.11 rpm, 3 phases, 415-volt, 50 Hz, AC

Inlet gas distribution screen type: Perforated plate (3 screen arrangement with GD rapping system 1 set)

Outlet gas distribution screen type: thin sheets formed to a shaped of 'U' located with 600 mm pitch- 1 number

HV rectifier Rating: 70 KV DC (peak), 1200 mA DC (mean)

Electronic controller type: Thyristor

TR controller: Microprocessor based TR controller BAPCON PLUS

Rapper controller: Microprocessor based rapper RAPCON 24

Service Job Scope:

<i>SL No</i>	<i>Service Description</i>	<i>Quantity</i>	<i>UOM</i>
1	ESP WASHOUT DURING SHUTDOWN	1	AU
2	ESP INSPECTION AND OVERHAULING, SHUTDOWN	1	AU
3	Run welding job	1,000	Meter
4	Urgent consumables items	1,00,000	AU
5	ESP collecting electrode repairing job	15	EA
6	Fabrication job of CE plates	1000	EA

4. BID SECURITY/EMD (To be submitted along with RFQ and not with EOI):

Interested parties to note that Bidder is required to furnish a Bid Security along with their Bid (only during Bid Submission stage), as a Bank Guarantee (in the format prescribed in Bid Document) or as NEFT/RTGS/DD for the specified amount in the table. EMD should be valid for minimum six months from the date of submission. Bids not accompanied by an acceptable Bid Security shall be rejected by the Owner as being non-responsive and returned to the bidder without being opened. EMD will be returned back to bidder without any interest.