



OWNER:

MAITHON POWER LIMITED

PROJECT MANAGER:

MAITHON POWER LIMITED

PROJECT NAME:

SUPPLY AND SERVICES FOR RETROFITTING OF 6.6KV BHEL BREAKERS FOR MILL AND COMPRESSOR FEEDERS

MAITHON POWER LIMITED (MPL), JHARKHAND - INDIA

ENQUIRY REFERENCE NO:

MPL/EMD/AD/2025-26/3500009856

EXPRESSION OF INTEREST (EOI)

SUPPLY AND SERVICES FOR RETROFITTING OF 6.6KV BHEL BREAKERS FOR MILL AND COMPRESSOR FEEDERS AT 525 X 2 MW THERMAL POWER PLANT.

Enquiry reference no.: - MPL/EMD/AD/2025-26/3500009856
Name of Package: supply and services for retrofitting of 6.6KV BHEL Breakers for Mill and Compressor feeders AT 525 x 2 MW THERMAL POWER PLANT.
Type of Bidding: E-tendering / Two Part
Contact Details: Mr. Arunava Das – Group Head - Contracts, Mobile- 9099006572, Email Id:- arunava.das@tatapower.com
Ms. Jayashree Choudhury-Head Contracts & Materials, Email Id: choudhuryj@tatapower.com
Maithon Power Ltd., (A Joint Venture Company of Tata Power & DVC), Works: Village Dambhui, P.O. Barbindia, 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)	Estimated total package value
2X525 MW Maithon Power Limited (MPL), Dhanbad, Jharkhand	Supply and services for retrofitting of 6.6KV BHEL Breakers for Mill and Compressor feeders AT 525 x 2 MW THERMAL POWER PLANT.	INR 2,000/-	1% of the contract value. Or INR 98,000/-	Rs. 0.98Cr/-

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. SCOPE OF WORK:

Existing VCB is of BHEL make

1. Retrofitting of new breaker with new shutter assembly, rack-in mechanism and door assembly after necessary modifications inside panel and bus compartment.
2. Existing shutter assembly and power contacts (incoming and outgoing) to be replaced as per new breaker design and alignment. Existing breakers' GA drawing will be shared by MPL. Bus shutdown may be arranged, if required for measurement of shutter assembly and bus compartment.
3. Rack-in/out mechanism to be modified/replaced as per new breaker.
4. Breaker compartment door to be changed as per new VCB arrangement.
5. Test/service position limit switches to be mounted as per new VCB arrangement.

6. New breaker must have at least 12 NO+ 12 NC auxiliary contacts. MPL will share drawing/scheme of auxiliary switch and external auxiliary contacts of existing breaker panel.
7. Mechanical interlock and physical indication must be provided for ensuring breaker in test and service positions.
8. Mechanical interlock must be provided to avoid rack-in/out of breaker in closed position.
9. Safety/mechanical interlock must be present to avoid closing of breaker in intermediate position (other than test/service position).
10. Interlock to be provided to allow removal of control plug/connector only in test/racked-out position of breaker.
11. Checking of Rack-in/rack-out operation of breaker with proper movement of modified shutter assembly.
12. Checking of control wiring (closing circuit, tripping circuit, anti-pumping circuit, spring charging, etc.) and all electrical interlocks as per existing scheme.
13. Retrofitted breaker must have LOTO arrangement at breaker door (to prevent breaker access/ rack-in after LOTO).
14. Type test sample reports of retrofitted solution to be provided.
15. Life expectancy certificate of circuit breakers to be shared.
16. Declaration for providing spares and services for retrofitted breakers and accessories for at least next 15 years.
17. Any other technical support from service engineer for retrofitting activity.

2. BIDDER PRE-QUALIFICATION REQUIREMENTS:

Bidder must fulfill the following bidder pre-qualification requirement / criteria in order to qualify for the subject work. 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. TECHNICAL CRITERIA:

- a. Bidder should have executed retrofitting job (supply and commissioning) of 6.6KV breakers (preferably BHEL/SIEMENS make) in the last 3 FYs at power plants with 250 MW or more generating capacity.
- b. Bidder should have won purchase orders for similar job in the last 3 FYs with at least one individual PO value of 25 lakhs or more.
- c. Bidder should be able to provide type tested solutions for the offered retrofitted package; test documents to be shared during evaluation.

4. FINANCIAL CRITERIA:

- a. The average annual turnover of the bidder shall not be less than Rs. 1.5 Crores (Rupees one crores only) for the preceding three financial years (2021-22, 2022-23, 2023-24). To this effect the bidder shall submit audited financial statements for the last three financial years.
- b. Audited Balance Sheet including Profit & Loss statement for the previous three completed financial years (2021-22, 2022-23, 2023-24) reckoned from the date of application. In case the audited documents are not ready / available, then certified copy by a registered practicing Chartered Accountant may be submitted.

5. TENDER FEE & TIMELINES:

1. Interested parties meeting the pre-qualification criteria specified elsewhere 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 6th May 2025. Request for Bid Document/EOI will be not be entertained EOIs submitted beyond this deadline may be liable for rejection.
2. Non-Refundable Tender Fee, as indicated in table above, in the form of direct deposit in the following bank account and submit the receipt along with a covering letter clearly indicating the Tender Reference number.

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:	6 th May - 2025

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.

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.

6. 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 an amount of INR **98,000/- (Indian Rupees Ninety-Eight Thousand Only)**. 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.

Bidder shall be required to fulfill the following conditions and submit relevant supporting documents for each of the following criteria along with the Bid.

7. BIDDING PROCESS:

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.