



**OWNER:
MAITHON POWER LIMITED**

**PROJECT MANAGER:
MAITHON POWER LIMITED**

**PROJECT NAME:
INSPECTION & OVERHAULING BOILER FRONT PASS 525MW OF UNIT#2**

MAITHON POWER LIMITED (MPL), JHARKHAND - INDIA

**ENQUIRY REFERENCE NO:
MPL/MMD/RKS/2024-25/2000072557**

EXPRESSION OF INTEREST (EOI)

**INSPECTION & OVERHAULING BOILER FRONT PASS 525MW OF UNIT#2
AT 525 X 2 MW THERMAL POWER PLANT.**

Enquiry reference no.: - MPL/MMD/RKS/2024-25/2000072577
Name of Package: Inspection & Overhauling Boiler front Pass 525MW of Unit#2 AT 525 x 2 MW THERMAL POWER PLANT.
Type of Bidding: E-tendering / Two Part
<p>Contact Details:</p> <p>Mr. Ravi Sharma - Lead Associate-Contracts, Mobile-7739222261, Email Id: - ravisharma@tatapower.com</p> <p>Ms. Jayashree Choudhury-Head Contracts & Materials, Mobile: 9234550658, Email Id: - choudhuryj@tatapower.com</p> <p>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</p>

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

Description	Bid Security (EMD)	Tender Fee	Est. Package Value
INSPECTION & OVERHAULING BOILER FRONT PASS 525MW OF UNIT#2	1% of package value	₹ 2,000/-	₹135 Lacs

1. 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. <ul style="list-style-type: none">➤ 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	<ul style="list-style-type: none">➤ Road: About 7.5 km north of G.T. Road Nearest town is Nirsa➤ Rail: Nearest Railway station – Mugma railway station.

2. Specification of the Material:

Following shall be the pre-qualification requirement (PQR) for the bidders.

SCOPE OF WORK-

Front Pass (Pass- 1) Includes,

Water walls, extended water walls, Burner Panels, Radiant roof panels, Divisional Super heater (6 assemblies,48 Nos.), Platen(final) Super heater (24 Assemblies), Steam cooled spacers, Bottom S Panels, Goose neck (Arch Panel), Penthouse (first pass), Rear arch enclosure (Doghouse), Bottom enclosure (Cat house) front and rear, Top Headers of water wall, Divisional SH headers, Platen SH headers & BCW Pump & Motor.

OVERHAULING OF BOILER FRONT PASS (Pr. Parts)				
SL. NO	CODE	JOB DISCRIPTION	UOM	QTY
10	4198826	Ash Removal & cleaning of Boiler pass - 1	AU	1
20	4167695	Cutting and fixing of sample tubes	AU	1
30	4072062	Ultrasonic thickness	EA	75000
40		Cutting and Welding of Pressure Part Joints with RT (Water Wall, Platen SH, Divisional SH, Thickness basis)		

40.10	4167702	Welding & RT- OD 44.5 mm & Thickness 5mm to 7.1mm	EA	100
40.20	4167703	Welding & RT- OD 51 mm & Thickness 5mm to 11mm	EA	380
40.30	4167704	Welding & RT- OD 54 mm & Thickness 4mm	EA	25
40.40	4167705	Welding & RT- OD 63.5 mm & Thickness 4mm to 12.5mm,	EA	100
40.50	4167706	Welding, RT & PWHT- OD 44.5 mm & Thickness 5mm to 5.6mm	EA	50
40.60	4167707	Welding, RT & PWHT- OD 51 mm & Thickness 7.1mm to 11mm	EA	15
40.70	4167708	Welding, RT & PWHT- OD 54 mm & Thickness 4mm	EA	20
40.80	4081416	Oxide Layer Measurement	NO	2000
50	4081350	Boiler Pressure Parts Fin Welding-Only BY IBR welders	Meters	600
60	4167709	Male- female connectors fixing & welding	EA	350
70		WB Truss area attachment tubes Replacement	AU	1
70.10	4198688	WB area attachment WW tubes replacement	EA	16
70.20	4167703	Welding & RT- OD 51 mm & Thickness 5mm to 11mm	EA	150
70.30	4081350	Boiler Pressure Parts Fin Welding	Meters	250
80		Replacement of water wall old erection joint area with new tube at 17Mtr (Total 100 numbers) in Pass-1		
80.1	4198825	<i>Replacement of Spool at 18-meter S-Panel</i>	EA	100
80.20	4167703	Welding & RT- OD 51 mm & Thickness 5mm to 11mm	EA	200
80.30	4081350	Boiler Pressure Parts Fin Welding-Only BY IBR welders	Meters	550
90.00		Replacement of Burner top bends	AU	1
90.10	4167712	REPLACEMENT OF BURNER BENDS	EA	4
90.20	4167703	WELDING & RT-OD 51 & TH 5 TO 11MM	EA	250
90.30	4081350	Boiler Pressure Parts Fin Welding	M	250
100		Platen Coil Bottom loop replacement by SS	AU	1
100.10	4268970	Replacement of Platen lower section U-Loop	EA	70
100.20	4167707	Welding, RT & PWHT- OD 51 mm & Thickness 7.1mm to 11mm	EA	180
110		BCW Pump replacement		
110.1	4085387	Replacement of BCW Pump	AU	1
110.2	4270941	BCW Pump Motor Onsite Inspection	EA	2
120		Boiler peep hole door servicing	AU	1
120.10	4268969	Boiler peep hole servicing	NO	30
130		Refractory Work	AU	1
130.10	4165265	Refractory Work (Castable/Plastic)	MT	20
140		Erosion Shield(1M) on Burner Panel tube	AU	1
140.1	4268968	Erosion Shield on Burner Panel tubes	EA	200
150		S Panel Trapezoidal Fin Fix & Welding		
150.1	4268967	S Panel Trapezoidal Fin Fix & Welding	M	800

DURATION: Total duration of Contract is 28 Days from issue of permit to Hydrotest. Time is the essence of the contract. Vender to ensure timely completion of all activities. Tentative Outage start date is **01/11/2024**.

TECHNICAL CRITERIA:

1. The bidder should have successfully executed and completed as a prime contractor at least two single contracts for **Boiler Pressure part Overhauling for not less than 250MW Unit** of order value not less than Rs. 0.75 Crores (Rupees Seventy-Five Lakhs only) each order, in a single year, during any one of the preceding two years (2022-23, 2023-24) in any Central government /PSU /Tata Power units.
2. The Bidder should have executed complete replacement of Boiler Burner Panel top and Bottom bends. Credential/ Record for the same needs to be furnished with the offer.
3. The Bidder should have executed complete replacement of Boiler Erection weld joints at various elevations of the Water Wall panel. Credential/ Record for the same needs to be furnished with the offer.
4. The Bidder should have executed welding joints of minimum quantity of 2000 joints in single order and overhaul completion within 26 days period. Credential/ Record for the same needs to be furnished with the offer.
5. The Bidder should have executed welding of T91 alloy steel materials of minimum quantity of 300 joints in single order and overhaul completion within 26 days period. Credential/ Record for the same needs to be furnished with the offer.
6. The Bidder should be registered with IBR authorities and approved from Local IBR authorities for execution of above-mentioned orders.
7. The Bidder should have similar work experience of executing Annual Overhauls of Thermal Power Plants either in NTPC or Tata Power Divisions. Bidder should be able to furnish PO from NTPC/ Tata Power for the same.

DOCUMENTS REQUIRED WITH BID FOR TECHNICAL 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.

- a) Copies of similar type of work orders issued by owner/client (Original)
- b) Copies of completion certificates issued by owner/client (Original)
- c) Approval letter from the local boiler office for execution of pressure parts overhauling work.
- d) List of Jobs undertaken with details and values meeting the above conditions.

FINANCIAL CRITERIA:

1. The average annual turnover of the bidder shall not be less than Rs. 3.0 Crores (Rupees three crores only) for the preceding two financial years (2021-22, 2022-23).
2. The financial net worth of the bidder shall be positive as per the latest audited annual report.

DOCUMENTS REQUIRED WITH BID FOR 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.

- 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. (2021-22, 2022-23 & 2023-24) 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.

SAFETY REQUIREMENT:

- a) Safety Records---Please provide safety record for last three years.
- b) Valid OHSAS :18001 or 45001 Certificate
- c) Valid ISO 14001 ,9001 Certificate.
- d) Safety officer/ Supervisor Qualification and Experience Certificate.
- e) List of Machinery/ Tool & Tackle ---Please mention the detail of Machinery/ Tools and Tackles vendor is owning.
- f) Engineer/ Supervisor Qualification and his experience certificate. Min 05 Years' experience in Similar nature of job is mandatory.
- g) Scope of Work (Will be provides at the time of EOI at Tata Power site)
- h) Hazard Identification and Risk Assessment/Job Safety Analysis.
- i) Statutory & IR requirements for Service Contracts at MPL – Revised
- j) Service MPL General terms and conditions of Contract.
- k) Business Associates Safety Terms and Conditions- Revised
- l) Safety Bid Document.
- m) All other applicable safety clause followed/adopted by Jharkhand Government.
All other applicable statutory clause by Jharkhand Government/GOI

3. TENDER FEE & TIMELINES:

- a) 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 of Rs. 2,000** to be submit **not later than 22nd April 2024**. Request for Bid Document/EOI will be entertained beyond this deadline.
- b) Interested parties to submit Non-Refundable Tender Fee (contact details mentioned above), as indicated in the table above, in the form of direct deposit in the following bank account along with a covering letter duly stamped and signed by an authorized signatory clearly indicating the Tender Reference number, your EOI to participate in the tendering process and indicating name of authorized person, contact number / e-mail id (mandatory) on Bidder's letterhead. It is mandatory to mention Tender Reference no. in the said letter.
- c) 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**.

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

- d) Bidders to also submit duly signed and stamped letter indicating name of authorized person, contact number and e-mail id (mandatory) on Bidder's letterhead. It is mandatory to mention Tender Reference no. in the said letter.

Note: - Once the above-mentioned documents are received, detailed RFQ shall be issued through our e-tender system.

Interested Bidder has to get in touch with contact persons mentioned above at:- 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.

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.

- e) Detailed Bid Document (also referred as RFQ) shall be issued through Tata Power e-tender portal only to the parties whose EOI meeting above mentioned requirements are received by the deadline mentioned above.

4. BID SECURITY: (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 **1,35,000/- (Indian Rupees One Lakh Thirty Five 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.

5. 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.