



OWNER:

MAITHON POWER LIMITED

PROJECT MANAGER:

MAITHON POWER LIMITED

PROJECT NAME:

OVERHAULING OF REHEATER CRH, HRH & SCREEN TUBE OF U#2, MPL

MAITHON POWER LIMITED (MPL), JHARKHAND - INDIA

ENQUIRY REFERENCE NO:

MPL/MMD/RKS/2024-25/2000072579

EXPRESSION OF INTEREST (EOI)

**SERVICES FOR U#2 OVERHAULING OF REHEATER CRH, HRH & SCREEN TUBE
AT 525 X 2 MW THERMAL POWER PLANT.**

Enquiry reference no.: - MPL/MMD/RKS/2024-25/2000072579

Name of Package: Services for U#2 OVERHAULING OF REHEATER CRH, HRH & SCREEN TUBE AT 525 x 2 MW THERMAL POWER PLANT.

Type of Bidding: E-tendering / Two Part

Contact Details:

Mr. Ravi Kumar Sharma - Lead Associate-Contracts, Mobile-7739222261, Email Id: -

ravisharma@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.

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:

| Description | Bid Security (EMD) | Tender Fee | Est. Package Value |
|--|---------------------|------------|--------------------|
| SERVICES FOR U#2 OVERHAULING OF REHEATER CRH, HRH & SCREEN TUBE AT 525 x 2 MW THERMAL POWER PLANT. | 1% of package value | ₹ 2,000/- | ₹ 116 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. ➤ 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 – Magma railway station. |

2. Specification of the Material:

SCOPE OF WORK- Cold reheat Coils (CRH-70 assemblies), Hot reheat coils (HRH-70 assemblies), Steam cooled spacers, Screen tube (162 no), SH Hangers (118 no.) Penthouse (Reheater zone), CRH Headers and HRH headers.

| BOILER REHEATER SECTION | | | | |
|-----------------------------------|------------|---|-----|-------|
| Sr. No. | Service No | Job Description | UOM | Qty |
| Firm Activities | | | | |
| 10 | 4167693 | Ash removal and cleaning in Arch area (Internal and external) | AU | 1 |
| 20 | 4167694 | MECH, Scaffoldings work with material | EA | 1 |
| PRESSURE PART INSPECTION & REPAIR | | | | |
| 30 | 4072062 | Ultrasonic thickness | EA | 25000 |
| 40 | 4081416 | Oxide Layer Measurement | NO | 4000 |
| 50 | | Case-1- HRH coil replace by SS tubes and bends | | |

| | | | | |
|-------|--|---|-----|------|
| 50.10 | 4168123 | HRH coils replace by SS tubes and bends (Without Welding) | Set | 10 |
| 50.20 | 4167704 | Welding & RT- OD 54 mm & Thickness 4mm | EA | 750 |
| 50.30 | 4167708 | Welding, RT & PWHT- OD 54 mm & Thickness 4mm | EA | 150 |
| 50.40 | 4198829 | Fixing and welding of HRH binders | EA | 60 |
| 60 | 4165265 | Refractory work | MT | 15 |
| 70 | Fixing of Shields in bend and straight tubes | | | |
| 70.10 | 4087135 | Fixing of Shields at Bend Tubes | EA | 450 |
| 70.20 | 4165264 | Fixing of Straight Shield | EA | 1000 |
| 80 | Replacement of CRH lower section with MOC SA213 TP 347 H | | | |
| 80.10 | 4198690 | Replacement of CRH lower section U-Loop | EA | 275 |
| 80.20 | 4167705 | Welding & RT- OD 63.5 mm & Thickness 4mm to 12.5mm (Optional) | EA | 150 |
| 80.30 | 4167704 | Welding & RT- OD 54 mm & Thickness 4mm (Optional) | EA | 1500 |
| 80.40 | 4198828 | MECH, Fixing and Welding of CRH Binders | EA | 70 |
| 80.50 | 4081869 | Hiring of PMI Instrument | DAY | 6 |
| 90 | Male- female connectors fixing & welding | | | |
| 90.10 | 4167709 | Male- female connectors fixing & welding | EA | 250 |

DURATION: Total duration of Contract is 24 Days from issue of permit. 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, during any one of the preceding two years (2022-23, 2023-24) in any Central government /NTPC /Tata Power units.
2. The Bidder should have executed In-situ Replacement or One to One replacement of Boiler Re-Heater Coils (HRH and CRH) with upgraded material in Thermal Power plant of not less than 500 MW. Credential/ Record for the same needs to be furnished with the offer.
3. The Bidder should have executed welding of DMW Joints (T91 to SA 213 TP 347 H and T22 to SA 213 TP 347 H), T91 alloy steel materials and SS to SS (SA 213 TP 347 H) of minimum quantity of 1750 joints (DMW and T91 joints should be 60% of the 1750 joints) in single order and overhaul completion within 26 days period. Credential/ Record for the same needs to be furnished with the offer.
4. The Bidder should be registered with IBR authorities and approved from Local IBR authorities for execution of above-mentioned orders.
5. 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. 2.0 Crores (Rupees two crores only) for the preceding two financial years (2022-23, 2023-24).
 2. The financial net worth of the bidder shall be positive as per the latest audited annual report.
 3. Bidder shall submit valid PF, Service Tax registrations and PAN.
 4. Bidder shall furnish Annual reports containing Audited Balance sheets with Profit and Loss Accounts statements of the preceding 2 (Two) financial years viz. (2022-23, 2023-24) along with the bid to establish Bidder's conformance to Experience and Financial Criteria mentioned above.
 5. 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.
 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.
- a) PO Copy, Completion Certificate from the concerned client in support of successful execution of jobs /reference projects to be submitted.
- b) Experience details should be submitted as per the following table format:

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|---|--------------------------|-----------------|-------------|-----------------------------------|
| Sl. No. | Client details/ Power plant details | Order No. Date & Year | Contract Tenure | Order value | Brief details of scope of work |
| | | | | | |

- c) Audited Balance Sheet and Profit & Loss Statement for last the previous three completed financial years 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.

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

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.
- n. 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 10thMay 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 must 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. Barbindia, 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 **1,60,000/- (Indian Rupees One Lakh Sixty 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.