



**OWNER:**

**MAITHON POWER LIMITED**

**PROJECT MANAGER:**

**MAITHON POWER LIMITED**

**PROJECT NAME:**

**SERVICES FOR U#2 OVERHAULING OF BOILER ECONOMIZER & BACK PASS**

**MAITHON POWER LIMITED (MPL), JHARKHAND - INDIA**

**ENQUIRY REFERENCE NO:**

**MPL/MMD/RKS/2024-25/2000075226**

**EXPRESSION OF INTEREST (EOI)**

**SERVICES FOR U#2 OVERHAULING OF BOILER ECONOMIZER & BACK PASS  
AT 525 X 2 MW THERMAL POWER PLANT.**

**Enquiry reference no.: - MPL/MMD/RKS/2024-25/2000075226**

**Name of Package: Services for U#2 Overhauling of Boiler Economizer & Back Pass  
AT 525 x 2 MW THERMAL POWER PLANT.**

**Type of Bidding:** E-tendering / Two Part

**Contact Details:**

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Ms. Jayashree Choudhury-Head Contracts & Materials, Mobile: 9234550658, Email Id: -  
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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 Boiler Economizer & Back Pass AT 525 x 2 MW THERMAL POWER PLANT. | 1% of package value | ₹ 2,000/-  | ₹290 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:

|                                       |   |
|---------------------------------------|---|
| <b>Site Name</b>                      | 2 X 525 MW Maithon Thermal Power Plant  |
| <b>Owner</b>                          | Maithon Power Limited   |
| <b>Project Manager</b>                | Maithon Power Limited   |
| <b>Site Location</b>                  | 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.<br><br>➤ Latitude: 23 deg 49' - 38" N<br>➤ Longitude: 86 deg 45' - 41" E |
| <b>Elevation Above Mean Sea Level</b> | 156 m to 177 m above Mean Sea Level   |
| <b>Access to Site</b>                 | ➤ Road: About 7.5 km north of G.T. Road Nearest town is Nirsa<br>➤ Rail: Nearest Railway station – Magma railway station.   |

## 2. Specification of the Material:

**SCOPE OF WORK-** Overhauling of Economizer, LTSH, TT Coils, Steam Cooled Wall & Back Pass SH Hangers

| SR No | Activity code | Service description                              | Qty   | UOM |
|-------|---------------|--|-------|-----|
| 10    |               | Int & Ext Cleaning of Boiler 2nd Pass            | 1     | EA  |
| 20    | (a)           | Replacement of Eco Top Hangers with new hangers  | 99    | EA  |
|       | (b)           | Replacement of Eco Bottom Hanger with new hanger | 99    | EA  |
| 30    | (a)           | ECO WJ, OD 38.1X4.5 or 5 mm, SA210Gr C           | 1,000 | EA  |

|     |     |         |   |        |    |
|-----|-----|---------|---|--------|----|
|     | (b) | 4164219 | LTSH WJ, Size OD 47.63X5.6 mm, SA213T11     | 2,000  | EA |
|     | (c) | 4164222 | BPSCW WJ, OD 51X5mm, SA210 Gr C             | 150    | EA |
|     | (d) | 4164223 | BPSCW WJ, OD 63.5X6.3mm, SA210 Gr C         | 150    | EA |
| 40  | -   | 4164309 | Lifting, lowering LTSH upper & lower hanger | 15     | EA |
| 50  | -   | 4200908 | LTSH Coil Inspection by inflatable jack     | 40     | EA |
| 60  | -   | 4165301 | Header stub piece inspection & replacement  | 200    | EA |
| 70  | -   | 4072062 | Ultrasonic thickness                        | 50,000 | NO |
| 80  | (a) | 4087135 | Fixing of shield at bend tubes              | 1,000  | M  |
|     | (b) | 4165264 | Fixing of Straight erosion Shield           | 6,000  | EA |
| 90  | -   | 4081350 | Boiler Pressure Parts Fin Welding           | 500    | M  |
| 100 | -   | 4165265 | Refractory Work (Castable/Plastic)          | 20.000 | MT |

**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. 2 Crores (Rupees Two Crores only)** each order, during any one of the preceding three years (2021-22, 2022-23, 2023-24) in any Central government /NTPC /Tata Power units.
2. The Bidder should have executed complete replacement of Economizer Coils of Boiler of not less than 500 MW. Credential/ Record for the same needs to be furnished with the offer.
3. The Bidder should have executed repair of LTSH top and bottom hangers in situ through Lifting and Lowering method of complete Hangers (top and bottom) for at least 10 Hangers in a single order. Credential/ Record for the same needs to be furnished with the offer.
4. The Bidder should have executed welding joints of minimum quantity of 3000 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 be registered with IBR authorities and approved from Local IBR authorities for execution of the pressure part overhaul order.
6. 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:**

- a) 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 (2022-23, 2023-24).
- b) The financial net worth of the bidder shall be positive as per the latest audited annual report.
- c) PO Copy, Completion Certificate from the concerned client in support of successful execution of jobs /reference projects to be submitted.
- d) Experience details should be submitted as per the following table format:

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

- e) 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.

**SAFETY REQUIREMENTS**

- f) Safety Records---Please provide safety record for last three years.
- g) Valid OHSAS :18001 or 45001 Certificate
- h) Valid ISO 14001 ,9001 Certificate.
- i) Safety officer/ Supervisor Qualification and Experience Certificate.
- j) List of Machinery/ Tool & Tackle ---Please mention the detail of Machinery/ Tools and Tackles vendor is owning.
- k) Engineer/ Supervisor Qualification and his experience certificate. Min 05 Years' experience in Similar nature of job is mandatory.
- l) Scope of Work (Will be provides at the time of EOI at Tata Power site)
- m) Hazard Identification and Risk Assessment/Job Safety Analysis.

- n) Statutory & IR requirements for Service Contracts at MPL – Revised
- o) Service MPL General terms and conditions of Contract.
- p) Business Associates Safety Terms and Conditions- Revised
- q) Safety Bid Document.
- r) All other applicable safety clause followed/adopted by Jharkhand Government.
- s) 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 10<sup>th</sup>May 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. Nirsra, 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 **2,90,000/- (Indian Rupees Two Lakhs Ninety 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.