



OWNER:

MAITHON POWER LIMITED

PROJECT MANAGER:

MAITHON POWER LIMITED

PROJECT NAME:

PROCUREMENT OF 15 SETS OF EACH OF THE 16 LOOPS FOR PLATEN SUPERHEATER

MAITHON POWER LIMITED (MPL), JHARKHAND - INDIA

ENQUIRY REFERENCE NO:

MPL/MMD/RKS/2024-25/1500015615

EXPRESSION OF INTEREST (EOI)

**PROCUREMENT OF 15 SETS OF EACH OF THE 16 LOOPS FOR PLATEN SUPERHEATER IN MAITHON
POWER LIMITED (2 X 525 MW), DHANBAD JHARKHAND**

Enquiry reference no.: -MPL/MMD/RKS/2024-25/1500015615
Name of Package: Procurement of 15 Sets of each of the 16 loops for Platen Superheater at 525 x 2 MW MAITHON POWER LIMITED.
Type of Bidding: E-tendering / Two Part
<p>Contact Details:</p> <p>Package Owner -Mr. Ravi Kumar 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:

Plant Details	Description	Tender Fee	Bid Security (EMD)	Est. Package Value Exclusive GST
2X525 MW Maithon Power Limited (MPL), Dhanbad, Jharkhand	Procurement of 15 Sets of each of the 16 loops for Platen Superheater	₹ 2,000/- Please details submit in attached tender fee link as stated below, https://forms.office.com/r/XDJ10yJw3b	₹ 160,000/-	₹ 160.00 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 – Mugma railway station.

2. Scope of supply of the Material:

2.1 The BIDDER's scope shall comprise of developing fabrication drawings based on available GA Drawings, obtaining IBR approval, procurement of tubes, testing at tube manufacturer work, fabrication, assembly, shop testing, inspection including IBR inspection, arranging IBR certificates, rust preventive / preservative coating, packing including providing end cap for tube ends, loading, transportation, supply to site, submitting as-built drawings and all documents related to quality after **fabrication and supply of Superheater Platen coil loops and Economizer Squeezed Bends** for 525 MW PC Fired Boiler at Maithon Power Limited.

2.2 The available drawings of Platen superheater coil PPA and GA are attached with the specification. Any additional dimensions / data required for developing fabrication drawings shall be gathered by bidder.

Material Requirement:

Item Sl. No	Material	Short Text	Quantity Requested	Unit of Measure
1	2000204295	PLATEN SH. COIL LOOP-1	15	EA
2	2000204296	PLATEN SH. COIL LOOP-2	15	EA
3	2000204297	PLATEN SH. COIL LOOP-3	15	EA
4	2000204298	PLATEN SH. COIL LOOP-4	15	EA
5	2000204299	PLATEN SH. COIL LOOP-5	15	EA
6	2000204300	PLATEN SH. COIL LOOP-6	15	EA
7	2000204301	PLATEN SH. COIL LOOP-7	15	EA
8	2000204302	PLATEN SH. COIL LOOP-8	15	EA
9	2000204303	PLATEN SH. COIL LOOP-9	15	EA
10	2000204304	PLATEN SH. COIL LOOP-10	15	EA
11	2000204305	PLATEN SH. COIL LOOP-11	15	EA
12	2000204306	PLATEN SH. COIL LOOP-12	15	EA
13	2000204307	PLATEN SH. COIL LOOP-13	15	EA
14	2000204308	PLATEN SH. COIL LOOP-14	15	EA
15	2000204309	PLATEN SH. COIL LOOP-15	15	EA
16	2000204310	PLATEN SH. COIL LOOP-16	15	EA
17	2000206755	BEND TUBE, SQUEEZED,180D,38.1X5MM,GR-C	3,000	EA

Following shall be the pre-qualification requirement (PQR) for the supply of boiler tube. Bidders who meet all the following PQR's shall only be considered for Price bid evaluation.

1. TECHNICAL CRITERIA:

Bidder shall meet the following technical qualification requirement:

- a) Bidder shall be Boiler OEM having experience of design, engineering, manufacturing, and supply of at least two (2) PC fired Boilers of 250 MW or above capacity in last ten (10) years.

OR

Bidder shall have experience of procurement, fabrication, inspection, testing and supply of SH/RH/Eco coils/LTSH Coils for at least two (2) nos. 210 MW or above capacity PC Fire Boilers in last ten (10) years.

- b) Bidder must be an IBR approved agency. The documentary evidence to this effect shall be submitted along with the Bidding Document.
- c) Bidder should have in-house bending and heat treatment facility for fabrication of LTSH coil.

2 FINANCIAL CRITERIA:

- 2.1) Requirement The average annual turn-over Bidder for last three (3) years shall be minimum INR Three (3) Crores for the preceding three financial years (2021-22, 2022-23 & 2023-24).
- 2.2) The financial net worth of the bidder shall be positive as per the latest audited annual report.

3. QUALITY REQUIREMENTS:

3.1. For General Quality Assurance and Inspection requirements, Bidder to refer General Quality and Inspection Requirements attached with this specification.

3.2. Bidder to also refer specific Standard Quality Plans (SQPs) for tube and coil attached with this specification.

3.3. The approval of the Owner / Purchaser or Owner's representatives of such inspection or tests will not, however, prejudice the right of the Owner / Purchaser to reject the equipment if it does not comply with the specifications when erected or fails to give complete satisfaction in service.

3.4. The approved Sub Vendors for tubes are:

- Sumitomo Metals – Japan
- Vallourec & Mannesmann- France/Germany
- Wayman Gordon – USA
- JFE (Kawasaki) – Japan
- Productus Tublares – Spain
- Maharashtra Seamless Limited (MSL)
- Jindal SAW
- ISMT
- Heavy Metal & Tubes

The tubes shall be procured from above sub vendors only. Raw material shall not be sourced from china. Bidder must disclose about the sourcing country of raw materials for tube.

3.5. It will be Bidders responsibility to obtain IBR clearance for complete fabrication, testing and supply of Economizer coils. Necessary IBR certificates shall be furnished before supply of Coils.

3.6. On receipt of materials at MPL stores will be inspected only with IBR test certificates of fabricated loops. Materials shall be kept on hold till the receipt of IBR certificates.

3.7. Tube Procurement, fabrication, and shop testing of loops shall be carried out as per IBR requirement and applicable codes and standards. Bidder shall submit quality plan for tube procurement, fabrication & testing of all loops meeting IBR requirement, Standard Quality Plan attached herewith, and other testing requirement as specified below:

a) Raw tubes shall be tested at manufacturer works as per SA210, SA213 & as mentioned in attached standard quality plan. Also, 100% UT of raw tube as per EN:10246:7, 1996 or equivalent with longitudinal calibration notch of 5% of wall thickness [0.3mm min and 1.5mm max] shall be carried out.

b) All tube bends shall be checked for ovality and thinning by ultrasonic method on first off and random check on subsequent pieces.

c) All tubes shall be checked for clearance by steel ball check and for cleanliness by sponge passage

d) Tubes and fabricated coil shall be subjected to hydraulic test. Test pressure shall 1.5 times of design pressure.

3.8. Owner will review and approve the quality plan clearly specifying the customer hold points. Sourcing of raw material i.e., tube, fabrication and testing Platen SH coil Loops AND Eco Coil bends shall be carried out as per approved quality plan.

3.9 Experience details of past two years should be submitted as per the following table format:

1	2	3	5	6
Sl. No.	Client details/ Power plant details	Order No. Date & Year	Order value	Details of scope of supply

4.) TENDER FEE & TIMELINES:

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 7th July 2024**. Request for Bid Document/EOI will be entertained beyond this deadline. Details of tender fees submit in below link <https://forms.office.com/r/XDJ10yJw3b>

a) 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.

- 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 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

- c) 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 (Ariba) 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. Nirsā, 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.

- d) 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.

5.) **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 **160,000/- (Indian Rupees One Lac 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.

6.) 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.