



**OWNER:**

**MAITHON POWER LIMITED**

**PROJECT MANAGER:**

**MAITHON POWER LIMITED**

**PROJECT:**

**Fabrication and Erection of Coal Mill Maintenance Platform at Maithon Power Limited (MPL), Jharkhand  
- India**

**TENDER REF: MPL/MMD&IMD/RK/2026-27/ 2500022857**

**EXPRESSION OF INTEREST (EOI)**

<b>Enquiry reference no.:</b> - MPL/MMD&IMD/RK/2026-27/ 2500022857
<b>Fabrication and Erection of Coal Mill Maintenance Platform at Maithon Power Limited (MPL), Jharkhand - India</b>
<b>Type of Bidding:</b> E-tendering / Two Part
<b>Contact Details:</b> Mr. Rabish Kumar- Group Head - Contracts, Email Id: krabish@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. Barbendia, 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:

<b>Plant Details</b>	<b>Description</b>	<b>Tender Fee</b>	<b>Bid Security (EMD)</b>	<b>Estimated total package value</b>
2X525 MW Maithon Power Limited (MPL), Dhanbad, Jharkhand	Fabrication and Erection of Coal Mill Maintenance Platform at Maithon Power Limited (MPL), Jharkhand - India	INR 2,000/-	Rs 38,000/-	Rs. 38 Lakhs

## **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.  ➤ Latitude: 23 deg 49' - 38" N ➤ 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 ➤ Rail: Nearest Railway station – Mugma railway station.

### **1. Brief SCOPE OF WORK:**

<b>SERVICE PART FOR FY-27 (Coal Mill &amp; Coal Pipe Platform)</b>		
<b>DESCRIPTION</b>	<b>QTY</b>	<b>UOM</b>
MECH, Fabrication & erection of structure	55	TON
MECH, Proving and fixing the grating	300	SQ METER
pipe hand rails fabricated	400	METER
Toe guard Plate fixing	1000	METER

- 1.** Erection of permanent structure at Coal Mill Pipes at Boiler Front & Rear side.
- 2.** All the structural material will be provided by MPL engineer, material fabrication into desired shape will be solemnly done by party who will be awarded the PO.

3. All the structural material will be provided by Tata Power however the fabrication, erection, shifting and all modification work is under party scope of work.
4. All Tools and tackles for Material shifting, lifting and erection I.e., Winch machine, welding Machines, Chain blocks, slings & D-Cycles Will be in vendor Scope.
5. Erection of scaffolding for platform installation is vendor scope. Scaffolding materials will be provided by MPL.
6. Consumables, Gas, 7018 D&H Scheron welding electrodes, Paint (02 Coats), Tools and tackles, welding machines will be the vendor scope.
7. Transportation of all the material (BOM as tabulated below) from Store to Workplace will be vendor scope. This will require deployment of Hydra by the vendor for material shifting.
8. DP Test of all the joints must be carried out by party and needs to submit the report to M/S MPL engineer on daily basis as per joint.
9. Application of painting (Primer and 02 Coats EPOXY Based paint) on all BEAMS, PLATES, and TUBES will be in vendor scope. Only Epoxy based Corrosion Resistant Paint will be used for painting on the materials.
10. Party has to complete the whole fabrication, erection work within 135 days from the date of issue of PO. Thus all the requirements related to manpower and materials needs to be mobilized by the party to meet the timeline. No further extension of PO will be made by MPL.
11. Party has to follow the MPL gate pass process and they have to abide by the process accordingly.
12. Party Needs to Visit to site for Understanding total quantum of job Before Quotation.
13. All the lifting tools & tackles, electrical items will be tested by MPL competent person and certified, without certification of tools, No tools & items will be allowed to use for any kind of work at MPL site.
14. The Party shall maintain proper record of safety measure for personnel and assets under the contract and submit to the TATA POWER on monthly basis for verification. Party has to maintain worker's PPE issue record, housekeeping record, daily tool box talk record in a printed and bind copy.

#### **TATA POWER SCOPE**

1. Tata Power will provide Structural item for fabrication of material.
2. PLATFORM, FLOOR GRILL 32X995X6000 Readymade material will be provided by MPL no fabrication is required only suit and site need to be done while fixing the gratings on platform
3. For fabrication & painting electrical source, Compressed air, and site space will be given by MPL.
4. Supply of Water, Compressed air and electricity power as necessary (Inside plant premises only)
5. Access to mechanical maintenance workshop of TATA POWER if required.

#### **E: GENERAL CONDITION OF CONTRACT**

1. All works to be carried out by the contractor shall be strictly in adherence to the norms and methods to be fixed up by the concerned TATA POWER engineer or his authorized representative within the fixed

time schedule. TATA POWER engineer shall have the right to intervene at any stage of the execution of a work.

2. The contractor shall follow prevailing “**PERMIT TO WORK**” system during execution of maintenance job.

3. The contractor should provide adequate communication facility (Mobile) on daily basis round the clock. The mobile numbers should be provided well in advance to the department. Any changes in the mobile number have to be immediately communicated to the department.

4. The contractor shall have to follow all safety rules & regulation at the time of execution of jobs. All safety gadgets & appliances as required for carrying out jobs shall be supplied by the contractor.

5. The contractor shall maintain cleanliness in his working area and the Jobs will not be declared complete until all technical wastes and materials including, scaffolding, scraps, rejects and other wastes are removed from the site. Failing to maintain the cleanliness TATA POWER may engage other cleaning gang and expenditure incurred will be deducted from the monthly bill.

6. The Contractor shall have to maintain and submit all statutory registers as required, in consultation with Personnel Department / Statutory bodies. Also the Contractor shall abide by the legal provision as per factory act and rules.

7. Infrastructure for office room for contractor if any shall be arranged by them. However, necessary space for the same will be provided by TATA POWER.

Detailed technical specifications and quantity required will be shared during the RFQ stage.

## **2. TENDER FEE & TIMELINES:**

a) Interested parties meeting the pre-qualification criteria specified 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 specified date. Request for Bid Document/EOI will not be entertained beyond the deadline may be liable for rejection.

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/proof of payment to the mailing addresses provided, clearly indicating the Tender Reference number, and covering note.

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:	<b>25<sup>th</sup> APR 2026</b>

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.

c) 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.

### **3. BIDDER PRE-QUALIFICATION CRITERIA:**

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

#### **3.1. TECHNICAL CRITERIA:**

Bidders must fulfil the minimum technical qualifications listed below and submit relevant documentary evidence along with their technical offer. **Failure to comply will result in bid rejection.**

- 3.1.1. The bidder should have successfully executed and completed as a prime contractor at least one single contract for Scaffold Erection & Dismantling of value not less than Rs. 35 Lakhs during any one of the preceding three years (2023-24, 2024-25, 2025-26) in any State government / Central government / PSU / Limited company.
- 3.1.2. The Bidder should have experience of completion of similar kind of maintenance.
- 3.1.3. The bidder should show minimum 1 numbers of purchase order in three years (FYs) whose purchase order value must not be less than 35 Lakhs for similar nature of job.

#### **3.2. FINANCIAL CRITERIA:**

- a) The average annual turnover of the bidder shall not be less than Rs. 50 Lakhs (Rupees 50 Lakhs only) in any one of financial years in preceding two financial years (2024-25, 2025-26).
- b) The financial net worth of the bidder shall be positive as per the latest audited annual report. Bidder will be required to submit copies of their profit and loss account and audited Balance sheet for the last three preceding financial years. In cases, where audited results for the last preceding financial year are not available, certification of financial statements from a practicing Chartered Accountant shall also be considered acceptable.

## **DOCUMENTS REQUIRED WITH BID FOR TECHNICAL/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.

<b>Sr No</b>	<b>Name &amp; Address of the Client</b>	<b>Client Station Details</b>	<b>Area of Operation</b>	<b>PO no and date</b>	<b>Contract Duration</b>	<b>Contract value Rs. Crores</b>

- a) Copies of similar type of work orders issued by owner/client (Original)
- b) Copies of completion certificates issued by owner/client (Original)
- c) List of Jobs undertaken with details and values meeting the above conditions.

## **OTHER DETAILS/DOCUMENTS REQUIRED FOR QUALIFICATION:**

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 03 (Three) financial years viz. (2023-24,2024-25, 2025-26) 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.

#### **4. Safety Criteria:**

Achieving the safety goal requires a coordinated effort by all stakeholders. While excellent performance is expected throughout plant operations on a day-to-day basis, additional effort during shutdowns is required due to increased activity levels.

##### **Selection of Contractor**

**While selecting a contractor for engaging into shutdown activities following care shall be taken:**

- **Contractor is having a hands-on exposure to similar type of job earlier.**
- **Only OHSAS 18001:2007 or ISO 45001:2018 certified companies can participate in the bid.**
- **It has a good safety performance record both with TATA Power as well as others.**
- **Bidder has to take all necessary safety precaution and related document as per the job requirement. Bidder has to conduct safety motivational training, safety inspection and safety audit, safety awareness training with MPL team.**
- **Bidder has to send appropriate T&P & equipment required for the proposed job shall be mobilize at site.**

##### **Working teams:**

A team should be employed to manage the project. This team needs to bring together a strong, diverse and technically qualified group with the necessary experience to execute the project safely.

Working together, the project teams' ultimate goals are to control the risk of worker exposure to occupational health and other safety risks associated with shutdown activities and to control risk of airborne fibers and contaminants into the plant environment.

The shutdown project team needs to have experience in plant operations, hazardous materials management (asbestos, lead, PCBs, mercury, catalyst handling), occupational hygiene and construction safety to ensure success and prevent "Work Stoppage" issues from occurring.

Bidder has to depute the suitable manpower like welder, rigger, electrician, grinder, supervisor, etc. Bidder has to give the assurance and certify to do work during execution to MPL team.

## **Occupational health and safety hazards associated with job**

A pre-assessment of work areas should be completed by the job team during the pre-planning stage of the project. The assessment should involve a discussion of work scope and a visual assessment of the work area for potential worker exposure risks. Potential risks need to be flagged and brought to the attention of the shutdown team. A detailed plan then needs to be developed for dealing with the hazards.

Occupational health and safety hazards that need to be integrated into the shutdown plan include:

- personal fall protection;
- falling objects;
- eye protection;
- slipping and tripping hazards;
- proper storage of gas/air cylinders; and
- confined space entry and vessel ventilation.
- airborne contaminants (asbestos, fly-ash, coal dust, catalyst dusts, welding fumes, refractory ceramic fibers, lead, radiography).

### **Personal fall protection**

Workers exposed to falls need to meet the requirements of TPCL safety requirement. If handrails or floor gratings are removed to facilitate work, workers must use approved fall restraint or fall arrest equipment and to be recorded in a register with due approval from concern authority. Other workers must be protected by temporary scaffold guardrails area a minimum of six feet from the fall hazard. The flagged area should be not left unattended for long periods of time.

### **Falling objects**

Job tasks that pose a risk of falling objects should be flagged off. A plant procedure should be developed and understood for flagging and ribboning. Past experiences that have resulted in near miss incidents with falling objects include hoisting materials and equipment; storage of tools and material laid down inside the toe boarded area of a scaffold or work platform; passing of materials or equipment from hand to hand outside the bounds of the handrails and toe boards, work platforms and scaffolds.

### **Eye protection**

Employees performing tasks that involve grinding, buffing, cut all saw operations, chipping welding slag or grinding a weld must wear eye protection recommended for that specific job like

welding screen for welding, grinding face shield etc. Other people available in the vicinity also required to wear safety goggles to avoid any foreign entry into the eyes.

### **Slipping and tripping hazards**

Scrap Material shifting to scrap yard may be executed after 5-7 day of shutdown, however it is mandatory by Bidder to maintain housekeeping surrounding to their own area of work during shutdown period to ensure smooth movement of manpower surrounding ESP area. Maintaining of housekeeping during shutdown will under Bidder scope and will not under MPL.

Areas used for lay-down equipment must be arranged to prevent tripping hazards in common walkways. Hoses, cords, and air lines must be arranged to prevent tripping hazards in walkways. Scaffold support piping and hoist support piping (typically used for hoists at floor levels) should be flagged and ribboned for visibility.

### **Proper storage and handling of gas/air cylinders**

All gas cylinders should have main valves closed before workers leave their areas for all breaks. Regulators should be removed at the end of each work shift if the area left unattended. All cylinders should always have valve protection cap and vertically securely stored. Handling of gas cylinder should be at upright position and secured enough to prevent fall. Using gas cylinder trolley and stand should be a standard practice for shifting the gas cylinders.

Transporting of gas cylinder up to the stores from material gate is only allowed by designated vehicle with following conditions:

- Everyone carrying gas cylinders in a vehicle should follow basic safety requirements. Drivers, should be trained in:
  - the associated hazards and dangers of the goods
  - safe handling of gas cylinders
  - emergency procedures and the use of fire-fighting appliances
- All training should be recorded and kept by both the employee and employer.
- The training should be periodically supplemented with refresher training to take account of regulation changes and should be verified upon commencing a new employment.
- Vehicles used for the transportation of gas cylinders should be open. If this cannot be achieved the vehicle should be well ventilated. Toxic gases must not be carried in a closed vehicle unless the vehicle has been specifically designed for the purpose.
- A 2kg fire extinguisher is required on all vehicles carrying gas cylinders to fight engine and cab fires.
- Cylinder valves must be closed whilst in transit and any equipment disconnected.
- Cylinders should be upright position and secured properly and should not project beyond the sides or ends of the vehicle.

- Cylinder labels are attached to all cylinders. The label is produced in accordance with the current legislation. These labels must never be removed or defaced.
- The vehicles / containers used for transporting the compressed gases must use respective Haz- chem Code, TREM cards & MSDS regardless of color code used for cylinders.
- Traffic Safety guidelines must be followed to prevent accident during transportation.
- In addition to these general requirements, you may need to make specific provision if your load is above a certain threshold.

### **Confined space entry and vessel ventilation**

Confined space work during shutdowns can be associated with refractory removal and replacement, chemical cleaning, catalyst handling, welding/gas cutting, and grinding applications to name a few. In these "closed in" environment, there is usually an increased potential for worker exposure. Attention needs to be given to heat stress, personal protective equipment and ventilation requirements.

### **Bidder must complete TPSDI L1, L2 and L3 training along with vertigo test for height pass before starting the job.**

Vessel ventilation is critical prior to workers entering the confined space. The key reasons vessels are ventilated are to purge the vessel of process contaminants such as hydrocarbons, inserts, steam; for comfort ventilation; for heat stress control; and to control generated contaminants. Success of ventilation is verified by gas testing prior to entry. Gas testing typically includes testing for lower explosive levels (LELs), oxygen (O<sub>2</sub>) percentage, toxics such as H<sub>2</sub>S, and CO. Gas testing should be conducted with ventilation equipment both on and off and during changing conditions.

Only 24-volt hand lamps or torches can carry inside the confined space where the AC/DC converter must be kept outside the confined space. All welding machine, gas cutting set, extension boards etc. must be kept outside the vessel.

### **Airborne contaminants**

In dealing with airborne contaminants, the shutdown team's goals are to control risk of worker exposure to airborne fiber; to control risk of airborne fiber release into the plant environment; and to identify improvements to programs. Use dust mask with ventilator and confirm to MPL.

### **House keeping**

Separate dedicated housekeeping team required to dispose of unwanted materials immediately from working area in continuous basis.

Fire hose/Fire hose reel shall not use for cleaning of any equipment. Arrange your hose pipe and other fittings for cleaning of Equipments.

### **Health and safety planning and communication**

An important aspect of pre-planning is to integrate occupational health and safety into the overall shutdown plan and project scope. Ownership needs to be created by the shutdown team which will involve key project stakeholders, contractors and supplier.

Unique hazards occur during shutdowns that sometimes are not well understood by employees. It is therefore important during pre-planning stages that a clear work scope is prepared, and a plan is put into place to manage all safety and occupational hazards.

To bring increased focus on occupational health and safety during shutdowns, the following activities require additional attention:

- daily toolbox meetings with a specific occupational health and safety agenda;
- daily communication/safety meetings addressing work concerns, policy compliance, and worker safety;
- documented safe work plans and hazard assessments for all work scope;
- frequent audits and attesting;
- random and planned occupational health and safety inspections; and
- incident reporting and investigation.

### Post-shutdown review and feedback

Call a post-shutdown meeting to discuss improvements that could be made to avoid costly mistakes in the future. Action items will come out of the meeting.

### **ADDITIONAL SAFETY REQUIREMENTS FOR THE ASD WORK ORDERS:**

1. Lifting tools tackles to be inspected before entering MPL premises.
2. All lifting tools and tackles tested by competent authority of Jharkhand State only approve by MPL.
3. Site Safety Plan required for related specific work activity and must be submit by party to MPL before actual execution of work.
4. PPE to be provided as per below standard or equivalent. All PPE must be checked by Safety department before entering MPL premises. Full Body safety Harness with Polyamide rope of length 1.8 m.
  - Self-locking scaffolding hooks.

- One dorsal attachment D-ring of forged alloy steel for Fall Arrest.
- One/Two chest attachment D-rings of forged alloy steel for rope grab fall arrestor attachment.
- Adjustable thigh, chest, shoulder and waist straps attachments.
- Confirms to IS 3521:1999 Marked with certificate.
- Confirm EN361-2002, EN813-2008 with test certificate
- Fixed energy absorber to back D-ring.
- Harnesses shall be made from nylon/polyester webbing
- Hooks, clamps or other fastening and holding devices shall be of similar quality and properly treated or plated. The design of the hooks shall be self-closing type and care shall be taken to ensure that if pressure is exerted accidentally on the tongue or latch, they shall not disengage.
- Hooks and main load bearing metal parts and fittings shall not break under the test load of 19.6 kN (2000 kg). The load shall be applied as closely as practicable in a way the component is stressed in service.
- Has colored tracer yarn which loses its color in due course of time, to show now unfit for further use.
- The safety helmet conforms to IS: 2925:1984, Conforming to ISI & DGMS standards embossed on the inner side of shell
- Made of specially formulated Polymer/FRP
- Color Blue helmet for all Vendor's employees
- Use steel wire rope of 12 mm dia. or more for lifeline purpose.
- Self-locking scaffolding hook at one end and another end eye splicing with thimble.
- Made of 3-Strand polyamide twisted rope

**5. BID SECURITY/EMD (To be submitted along with RFQ and not with EOI):**

**6.**

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 the specified amount in the table. 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.