



**OWNER:
THE TATA POWER COMPANY LIMITED**

**TITLE OF WORK TO BE AWARDED:
AMC for C and I system Maintenance of Trombay Plant for 3 years**

ENQUIRY REFERENCE NO.: CC25JG102

NOTICE INVITING EXPRESSION OF INTEREST (EOI) FOR-

AMC for C and I system Maintenance of Trombay Plant for 3 years

Enquiry reference no.: CC25JG102
Title of Work: AMC for C and I system Maintenance of Trombay Plant for 3 years
Type of Bidding: E-tendering (through Ariba online portal) / Two Part (Technical and Price bids under separate envelopes)
Contact Details: Contact Details: All communication including EOI submission shall be addressed to following officer/s: Ms. Juhi Gaur Email: juhigaur@tatapower.com Copy of all communications shall be marked to (Cc): Mr. Kailas Surve Email: ksurve@tatapower.com

The Tata Power Company Limited (“Project Manager”) on behalf of M/s Tata Power Company Limited (“Owner”) invites Expression of Interest (EOI) from interested parties for the Two-Part e-Tendering Process of following Relevant Work Package:

Plant Details	Tender Fee	Bid Security	Estimated package value for three years.
The Tata Power Company Limited, Trombay Thermal Power plant Chembur	INR 2000/- (INR Two Thousand Only) To be submitted along with EOI.	INR 3,00,000/- (INR Two Lakhs only). Bid Security to be submitted as a Bank Guarantee at the BID stage (and not with EOI)	Approx. 3 Crores

Table 1

1. INTRODUCTION:

The Tata Power Company Limited (TPC) is among the largest private sector Power Utility companies in India with presence in Generation, Transmission and Distribution of Power through conventional and renewable sources.

The tendering/ procurement activities for this Project are being managed from Tata Power’s following Office:

The Tata Power Company Limited,
Trombay Thermal Power Station,
Corporate Contracts,
5th Floor, Station B, Chembur-Mahul,
Mumbai 400074, Maharashtra, India.

2. BRIEF SCOPE OF WORK:

This Notice is for inviting Expression of Interest for Preventive and Breakdown maintenance and troubleshooting of all Instruments / equipment's and outage activities located at Trombay Unit #5,7&8 at Trombay Thermal Power plant.

Detailed Scope of Work for this Contract shall be provided in the Tender / RFQ document to all potential buyers submitting the valid EOI with due tender fees.

3. TENDER FEE & TIMELINES:

a) Interested parties meeting the "Bidder Pre-Qualification Requirements" specified under point no. 4 in this document can request tender document and participate in the bidding process by submitting the Expression of Interest (EOI) Letter along with the Tender Fee Payment Details to the contact details mentioned below not later than deadline specified below. Request for extension of EOI submission date will be not be entertained.

b) Interested bidders should submit the Expression of Interest (EOI) letter and tender fee payment details to below mentioned email addresses:

- Mails shall be addressed to (To): juhigaur@tatapower.com
- Must Mark a copy to (Cc): ksurve@tatapower.com

EOI / requests without complete information and communication as above within deadline shall be liable to be rejected and will not be considered further.

c) Tender Fee, as indicated in the Table1 above may be paid through **NEFT** as per details for payment of Tender Fee given in Table2 below:

Table 2

Details for payment of Tender Fee:	
Bank details for submitting Tender fees through bank transfer / NEFT:	Beneficiary Name: The Tata Power Company Limited Bank Name: HDFC Bank A/c no: 00600110000763 IFS Code: HDFC0000060 A/c type: CC Branch Name & Address: HDFC Bank, Maneckji Wadia Building, Nanik Motwani Marg, Fort, Mumbai 400023
Deadline for tender fee payment and submission of EOI:	5th September 2024

d) Expression of Interest letter to be submitted along with tender fee payment details should include the following details:

- A covering letter duly stamped and signed by an authorized signatory clearly indicating the Tender Reference number and your EOI to participate in the tendering process.
 - Tender fee payment details / reference no (ensure that tender fee is received by us within specified deadline)
 - Bidder to indicate authorized person name, contact number and e-mail id (mandatory) of the person to whom RFQ / tender and all other communications to be addressed for this tender.
- e) Detailed Bid Document (also referred as RFQ) shall be issued through Tata Power e-tender portal (Ariba System) only to the parties submitting a valid EOI as per terms mentioned in this document.

4. BIDDER PRE-QUALIFICATION REQUIREMENTS:

Interested parties to note that Bidder shall be required to fulfill the following bidder pre-qualification requirement / criteria in order to qualify for the subject work. 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.

4.1 TECHNICAL REQUIREMENT:

BIDDER PRE-QUALIFICATION REQUIREMENTS:

Interested parties to note that Bidder shall be required to fulfill the following bidder pre-qualification requirement / criteria in order to qualify for the subject work. 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.

4.1 Technical requirement:

1. Bidder must have minimum experience of 5 years for providing C and I maintenance, in the large-scale industrial premises, preferably in power sector, as on schedule date of the bid opening.
2. Bidder should submit at least 5 work orders in last 3 years, related to C and I maintenance work, with value of more than 50 Lakhs (cumulative).

4.2 Safety Requirement:

1. Bidder / Tenderer should preferably have ISO 9001 / ISO 14001 / ISO 45001 certification or must give an undertaking for its willingness to obtain the same within 2 months of qualification for the work. **(Attach Certificates from concerned).**

4.3 FINANCIAL REQUIREMENT:

1. Bidder / Tenderer should have minimum Average Annual Turn-over of Rs. 1 Crore (Indian Rupees One Crore) during the last three financial years. **(Attach Certificate from Chartered Accountant in this regard)**

5. BID SECURITY / EMD:

Interested parties to note that Bidder will be required to furnish a Bid Security along with their Bid, in the format prescribed in Bid Document **in the form of EMD**, for an amount as defined in the covering page of this notice document. 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.

Interested parties to note that Bid Security is not required with the EOI and it is required to be submitted with the Bid only during Bid Submission stage, once RFQ is released to the interested parties that have submitted a valid EOI.

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.



THE TATA POWER COMPANY LIMITED

TECHNICAL SPECIFICATION/SCOPE OF WORK

FOR

ANNUAL MAINTENANCE CONTRACT

OF

C&I Maintenance at Trombay

AMC FOR C&I Maintenance at Trombay

INTRODUCTION

The Tata Power Company Limited intends to award contract for Maintenance of C&I activities at Plants at Trombay Thermal Power Station of the Tata Power Company Limited for its generating stations located at Trombay (Maharashtra)

PROJECT INFORMATION

TROMBAY: 500 MW (1*500MW) Coal based, 250 MW (1* 250MW) Coal based, and 180MW CCGT Mahul, Mumbai, India

Detailed Job Scope:

Instrument Maintenance Services at Trombay

A. Scope of work:

Preventive / Breakdown maintenance and troubleshooting of all Instruments / equipments and outage activities located at Trombay Unit #5,7&8. The scope is as detailed below: -

Nature of Maintenance Activities:

The scope of work shall include for routine and breakdown maintenance of the following C&I items in Trombay (which are to be carried out by the Vendor unless mentioned otherwise):

- Routine and Breakdown Maintenance of the Instruments under the supervision of Engineers of M/S Tata Power Co Ltd. The instruments include various types of Transmitters, Gauges, sensors like Pressure, Temperature, Flow, Level etc. for the entire plant.
- Maintenance & repairs of Solenoid valves for operation of pneumatic Cylinders installed for the various systems.
- Calibration of Transmitters, Pressure switches, Temperature switches & Coal Feeders etc.
- Calibration of positioners and position transmitters for Control Valves and Dampers, overhauling of Control valves, Motorized Actuators, Pneumatic actuators & its limits switches etc.
- Disconnection/reconnection and re-commissioning of the instruments from the equipment taken out for major overhaul or taken out for any breakdown maintenance.
- Loop checks of the various instruments up to DCS in main control room.
- Attending to the various problems related to C&I system during normal running / shutdown of the unit.
- Maintenance & repairs of Igniters, Flame scanners
- Maintenance & calibration of various types of Analyzers and maintaining regular records.
- Tubing work for Instruments impulse line which include SS & Brass type of tube.
- Fabrication of mounting arrangements for Instrument installation.
- Installation & mounting of Transmitter, Manifolds, Junction Box and various instruments as per hook up.
- Wiring, cable dressing, Lugging & termination of instrumentation cable with proper identification number/ferrule tags at JB, Panels & Instrument end.
- Repairing & servicing of Instruments at Lab such as cylinders, solenoid valves, switches, actuators, etc.

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- Maintenance of Vibration Measurement system.
- Routine and Breakdown Maintenance of DCS, Control Panel. Installation or removal of Hardware/Electronic modules from Controls panel, DCS or any other Instrumentation system/equipment.
- Carrying out regular 5S activities at C&I Gemba's located at each Units.
- Laying of cables and final termination as per site requirement. Bidder shall lay cable any number of times as per requirement up to 100 meters within this contract and more than 100 meters will be charged extra at predefined rate (Vendor to specify the rates).
- Vendor shall provide all the services such as welding, grinding, cutting, fabrication etc. as required for the C&I activities. To carry out these activities, vendor shall provide necessary tools with the site team such as Welding machine, grinders etc.
- Shifting of required spares & equipment from stores to location of work & scrap materials generated from work location to scrap yard. Transport assistance like truck, forklift etc. for the same will be provided by Tata Power.
- Housekeeping & upkeep of areas where work is to be executed by the contractor. Routine and general housekeeping arising from the normal operation of plant in BTG and BOP area. This excludes cleaning and sanitation work like daily floor cleaning of technical building and other service buildings. Scrap generated to be handled as per norms and to be stacked / deposited at identified places.

Miscellaneous:

- Vendor shall ensure that there should not be loss of generation (Partial/Full) due to non-availability of C&I system
- Assistance in smooth operation for equipment of the plants, including good-housekeeping, monsoon protection. House-keeping works shall be carried out as per requirement under the supervision of Tata Power engineer. Alertness to surrounding areas for such conditions that may hamper the smooth functioning of the plant.
- The Vendor shall be solely & fully responsible for any mishap/accidents of his workers at the site of work & Tata Power will not have any liability & responsibility for such accidents or other financial implications.
- Tata Power reserve the right to claim adequate compensation from the vendor on account of any damage caused to the plant and equipment during execution of the work due to careless handlings or negligence on the part of the contractor.

B. Deliverables

1. Services:

A Logbook shall be maintained by vendor in which, dates, observations, defects noticed, type of defect (Critical, Major, non-critical etc.) & the corrective actions taken shall be recorded at the end of every activity.

All consumable like Cheese cloths, Insulation tape, rustolene / pen oil / CRC, Scrubber, emery paper required for maintenance activities shall be in Tata Power scope. Spares and other consumables/materials will be supplied by Tata Power.

C. Work Force: -

The work force at site, for carrying out Peripheral services and attending Defects & Maintenance activities will comprise of following: -

1. Engineers / Site supervisors

Type of work: Round the clock assistance in timely attending of C&I faults and carry scheduled works as per scope.

Desired Qualification & experience: BE/BTech. with 3-5-year experience in BTG area of Power Plant C&I work

2. Skilled (C&I) Technicians

Type of work: carry out scheduled works under the guidance of site supervisor. Desired Qualification & experience: Diploma / ITI with 5-year experience in BTG area of Power Plant C&I work.

3. Semiskilled (C&I) helpers

Type of work: Assistance in scheduled /breakdown maintenance as per the scope during general working hours/odd hours (in emergency).

Desired Qualification & experience: ITI with 2-year experience in Pneumatic system, Electrician, Mechanical fitter or SSC with 5-year experience of work as above.

4. Safety Supervisor

Type of work: Taking care of safety aspect of the job execution, providing tool-box talks, supervising safety compliance while carrying out jobs, ensuring proper work permits before starting of the jobs, carrying out audits during high-risk jobs etc.

Desired qualification: Diploma in safety with 3-5 years of industrial experience.

Vendors need to submit in the bid document, the educational & work experience details of workforce that bidder is going to deploy at Tata Power. The minimum workforce requirement is mentioned in section “L” of this document.

At Trombay Thermal Generating Station, we have U5 (500 MW), U7 (180MW - GT & ST) and U8 (250 MWW) thermal units. At any given moment of time, vendor to ensure adequate deployment of required workforce to manage all critical activities of each unit. Vendor to ensure that all I&C related maintenance jobs are completed concurrently for each unit within specified period.

Moreover, during course of operation of the plant, if there is any planned outage, **Vendor must ensure that adequate extra workforce (1 engineer,2 technicians, 1 Fitter & 4 helpers) is deployed at the site to manage extra workload during the outage duration.** Extra workforce supplied will be billed additionally at predefined rates (Vendor to specify the rates).

Vendor to ensure mobilization of resource within half hour to attend any plant emergency defects during evening and night with adequate supervision.

Vendor is advised to visit site and discuss in detail exact job scope requirements before quoting for the

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services.

Site supervisor, technician and attendant / helpers shall have industrial experience and they should be aware about industrial safety practices followed.

Tata Power engineer will check the suitability of workforce deployed and can review the qualification and experience of the proposed engineer / technician. Also, if TATA Power Engineer finds any deployed personnel, unsuitable for the work, Vendor must withdraw that employee immediately and replace suitable resource within weeks' time. However, Contractor must intimate 15 days in advance to replace or change any deployed personnel.

Daily maintenance activities & defects shall be attended as allocated by Tata Power engineers.

Tata Power reserves the right to depute the available teams as required, for various activities depending on requirement at Trombay units.

D. Work Timings:

1. The timing for the Shift will be 8.00AM to 5.00PM, with lunch-break of 1 hour from 12.30PM to 1.30PM.
2. **No extra payment shall be entertained for odd and delayed working hours (including breakdown of equipment or unit, Sundays and holidays) which may be required as per site requirements.**
3. As per site requirements Vendor shall have to arrange his resources for 24 hours continuous working without any extra charge.
4. Vendor to note that though normal office timing for regular shift is 8:00 am to 05:00 PM, but in case of any plant emergency I&C defects must be resolved by deploying adequate manpower within 30 minutes to the site even at odd hours as per site requirements.
5. **Vendor to submit attendance of the manpower on monthly basis.**

E. Administrative & Safety requirements:

1. All employees shall undergo Safety Training conducted by Tata Power's Safety department, & shall have SAFETY Training card. In case of Safety violations is noted, Tata Power reserves the right to refuse permission to work at site / suspend that activity at no additional cost. It is the responsibility of the vendor to ensure continuity of work by arranging for appropriate replacement. Gate-pass & Security formalities including police verification & medical fitness shall be fully complied by vendor.
2. All conditions for statutory Labour laws as applicable for Vendor employees shall be fully complied with i.e., Wage muster, Attendance system, PF & ESIC payments etc. Weekly off for all personnel shall be ensured by vendor without affecting conditions as mentioned above. Security of tools & accessories is responsibility of vendor.
3. All Safety Rules shall be strictly followed. Safety of Personnel shall be of the highest priority of the Vendor. Any violations for ensuring Safe working conditions shall be dealt by Tata Power Co's Management with appropriate measures including termination of Order. PPE required for the jobs.

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i.e. Safety Helmet with Chin strap, Safety Belt line with double-lanyard (1.8 m long), Safety shoes, Apron, Hand gloves & Dust-mask shall be provided to each person by the vendor.

4. Safety Norms for Work at Height & Safety Procedures for Working in Trombay Thermal Station shall be followed prior to commencement of work. It is the duty of vendor and shall be fully conversant with Work Safety procedures.

5. No person shall be executing any work / engaged in any work-related activity when he is using mobile communication. It is a Safety hazard that shall attract appropriate management action from TataPower.

6. All your work force needs to maintain good behavior in Plant premises & follow work schedule & timing. Appropriate disciplinary action will be taken against the contract employee and or the contractor in case of any misconduct, malpractice, unethical activity or indiscipline by the contract employee and or the contractor.

F. Other Terms of order:

The Specific Terms and Conditions and the General Terms and Conditions of Contract (GCC), form an integral part of the work-order and shall be binding upon you, in all respects.

The work under your scope is required to be done in the area where other work would be going on in the surrounding area as well as below your place of work. You are, therefore, required to take all precautions, make suitable arrangements for protecting the Personnel as well as Companies equipment in the area. Work in any area at site, will be commenced by you only after the safety aspects are found satisfactory by our Site supervisor.

Leaving the area of work neat and tidy at the end of your work shall be your responsibility. You shall deposit all scrap generated from this work at our scrap yard, as per directive from our Stores-in-charge.

G. Tools and Tackles: -

All tools/tackles required for C&I maintenance like Multi-meter, Tester, insulated pliers, Spanners set (Open, Ring, Tubular, Box), Wrenches, Allen Key set, Wire Cutter, Wire Stripper, Crimping tool for C&I Cable, Screwdriver set, Tube cutter, flaring tool, drill machine, grinding machine. Hacksaw, are in Vendor scope. The tools shall be in working and healthy condition & shall be available at site. Non-availability of tools as mentioned will attract penalty. Each team comprises of one technician & one helper shall have a dedicated Tool-bag along with mentioned Tools set which must be in healthy & working condition.

Certificate of healthiness of Tools to be submitted by vendor every 3 months as per format provided by Tata Power Co Ltd. Tata Power reserves the right to inspect the tools for its healthiness & availability. Additionally, vendor shall follow color coding of tools as per Tata Power standards.

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I. Report of work done:

Monthly report - After completion of work for month, vendor shall submit the reports (soft copy) in detail. The report shall cover full details of work done, the procedures followed, copies of Test Reports and Protocol Sheets (if any) duly signed, and salient points observed during the progress of work including precautionary measures, if any to be taken in future.

In case our concerned Engineers find the Report as incomplete in any respects, it shall be your duty to add the missing information in the report.

J. Duration of Work:

1. This Purchase order is placed for the entire duration of 12 months, i.e. from 01/10/2024 up to 30/09/2025.
2. Work shall be executed to ensure that defects are attended completely & clearly, within the duration, as classified earlier, depending on the nature of defect.
3. Tata Power can terminate and amend scope of Services with advance notice of 1- month to the vendor.
4. Vendor shall confirm an advance notice of 3-months for discontinuation of his services during the period of Contract.

K. Penalties:

Deductions shall be made in the bills based on the penalties for below-mentioned items: -

SrNo	Violation Detail	% Amount Deduction from Monthly Bill
1	Non-resolution of C&I defect for more than one day due to non-availability of enough maintenance staff	Penalized for 2 days charges.
2	Inability to plan the activity related to C & I due to non-availability of minimum manpower.	Double the daily charges of the respective absent manpower as per the rates provided by vendor
3	Delay in response time in case of emergency work above 2 hours	Rs. 5000
4	Safety violation/non- compliance: Penalty shall be imposed on the vendor under	As per Tata Power CSM F-4 Safety violation Penalty Criteria.
5	Non – compliance of calibration certification of testing instruments	Rs. 1000 per instruments
6	Non- Compliance of healthiness criteria of tools and tackles	Rs. 1000 / tool
7	Non- compliance to housekeeping as per the requirement of S+5S standards	Rs. 5000 /incident
8	Non – Compliance to attending the Critical and Major defects within the stipulated time frame.	Rs. 5000/defects.

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L. Minimum Resource Deployment expected.

The Contractor will maintain adequate manpower for carrying out work within reasonable time. Contractor will have to deploy manpower as per the table below to execute the work in reasonably minimum possible time at the instruction of Engineer in charge or his authorized representative. The manpower strength as proposed in the table is minimum manpower and the Contractor shall ensure that the minimum manpower as indicated shall be available at site.

Category	Requirement per Unit				Experience
	U5	U7	U8	BOP*	
Engineer (BE/B Tech)	1	1	1	1	3-5 years of BTG experience in Power Plants
Technicians (Dip / ITI)	3	2	2	1	5+ years of BTG experience in Power Plants
Fitter (ITI)	1	1	1	1	5+ years of experience in Power Plants
Semi-Skilled Helpers	3	2	2	1	Previous industrial working experience
Safety Supervisor	1				3-5 Years experience in Power Plants

* : BOP Includes FGD U#5&8, CEMS, DM plant, CW Jetty, Aeration Basin, GSLD.

Vendor to ensure that at all the seven days a week, above mentioned manpower is available in all the units. To achieve this, vendor to consider suitable additional manpower (pool) to take care of weekly offs & leaves of the employees.