



OWNER

PRAYAGRAJ POWER GENERATION COMPANY LIMITED

PACKAGE

**TENDER FOR PROCUREMENT OF OIL COOLED ELECTRO MAGNETIC SUSPENDED
MAGNET**

**At 3x660 MW PRAYAGRAJ POWER GENERATION COMPANY LIMITED
PPGCL, BARA, PRAYAGRAJ, UTTAR PRADESH-INDIA**

**Tender Ref: PPGCL/FY23/PKSM/PPGCL
PROCUREMENT OF OIL COOLED ELECTRO MAGNETIC SUSPENDED MAGNET**

**TENDER FOR PROCUREMENT OF OIL COOLED ELECTRO MAGNETIC SUSPENDED
MAGNET AT PPGCL PRAYAGRAJ**

Enquiry reference no.: Tender Ref: PPGCL/FY23/PKSM/PROCUREMENT OF <u>OIL COOLED ELECTROMAGNETIC SUSPENDED MAGNET</u>
Title of Work to be awarded: PROCUREMENT OF <u>OIL COOLED ELECTRO MAGNETIC SUSPENDED MAGNET</u>
Type of Bidding: E-tendering / Two-Part
Contact Details: All communication including EOI submission shall be addressed to following officer/s: Mr. Prabhans Srivastava Plant Engineer – Contracts Email: prabhans.srivastava@ppgcl.co.in AND Mr. Rajnish Kumar Singh Head – <u>Contracts</u> rajnishsingh@tatapower.com

Prayagraj Power Generation Company Limited Invites Expression of Interest (EOI) from interested parties for the e-Tendering Process of the following Relevant Work Package:

Table-1

Plant Details	Estimated Quantity	Tender Fee	Bid Security
3x660 MW Prayagraj Thermal Power Station of (PPGCL) at Tehsil, Bara, Dist- Prayagraj.	Contract period: FY 23-24	2000/- (INR Two Thousand Only as Bank Transfer)- To be submitted along with EOI. Tender Fee is not refundable.	50,000 (Fifty Thousand Rupees) EMD amount is refundable.

1. INTRODUCTION:

Prayagraj Power Generation Company Limited (PPGCL) owns and operates 3x660 MW capacity Indian coal based thermal power generation station based on pulverized coal-based super-critical boiler technology. The generating plant is in Tehsil Bara, Dist.- Prayagraj in the state of Uttar Pradesh in India. A brief overview of Owner and Site is given below:

Table-2

Site Name	3 X 660 MW Prayagraj Power Generation Company Limited
Owner	PRAYAGRAJ POWER GENERATION COMPANY LIMITED (PPGCL)
Project Manager	PRAYAGRAJ POWER GENERATION COMPANY LIMITED (PPGCL)
Site Location	PPGCL site is in Bara Tehsil in Prayagraj District, Uttar Pradesh. The site is about 34 KM from Prayagraj town in the district of Prayagraj. Latitude and Longitude of site is 25.200 N and 81.660 E respectively. The site is well connected by rail (nearest railway station is Lohgara on the Mumbai-Allahabad route) and road (located on NH35).
Elevation Above Mean Sea Level	98 meter above Mean Sea Level
Access to Site	The plant is located on National Highway NH 35. Bamrauli Airport, Prayagraj is the nearest airport which is about 55 KM from Site.

PPGCL intends to maintain and award the contract for the Procurement of **OIL COOLED ELECTRO MAGNETIC SUSPENDED MAGNET**. The objective of this EOI is to invite competent vendors having relevant experience in the above work of "Procurement of **OIL COOLED ELECTRO MAGNETIC SUSPENDED MAGNET**."

The tendering/procurement activities for this Project are going to be driven from Prayagraj Power's following Office:

Administrative Block,
Prayagraj Power Gen. Com Ltd.
PO: Lohgara, Tehsil: Bara, Prayagraj.
UP-212107

2. SCOPE OF WORK:

Procurement of **OIL COOLED ELECTROMAGNETIC SUSPENDED MAGNET** at PPGCL.

Detailed of technical specifications and the rest of the terms & conditions for this Tender/ Contract shall be provided in the Tender/RFQ document to all bidders submitting the valid EOI with due tender fees.

3. TENDER FEE & EOI SUBMISSION GUIDELINES AND TIMELINES:

- a) Interested parties meeting the "Bidder pre-qualification criteria" 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 the deadline specified below. Request for Bid Document / EOI will not be entertained beyond this deadline.

- b) Tender Fee, as indicated in the Table above may be paid through **NEFT** as per details for payment of Tender Fee given in Table 3 below:

Table 3

Details for payment of Tender Fee & Bid Security (EMD will be accepted in form of NEFT/RTGS/DD)	
Bank details for submitting Tender fees through bank transfer/NEFT:	Beneficiary Name: PRAYAGRAJ POWER GENERATION CO. LTD. Bank Name: State Bank of India Branch Name: C.A.G. Mumbai 400 001 Account No.: 35304813683 IFSC Code: SBIN0009995
Deadline for tender fee payment and submission of EOI:	18 th March '24

- c) 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): prabhans.srivastava@ppgcl.co.in
- Must mark a copy also to (CC): rainishsingh@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.

- d) Expression of Interest letter to be submitted along with tender fee payment details should include the following details (To be mentioned in an editable format in the email body):

- Company Name and Office Address
- Authorized Contact person name, contact number and e-mail id (mandatory) for bidding purpose and for all other communications to be addressed for this tender.
- Tender fee payment details / reference no (ensuring that tender fee is received by us within specified deadline)
- Attach the supporting documents substantiating your fulfilment of Bidder's Pre- Qualification Requirements (PQR), with the EOI. In case supporting documents are not readily available, the bidder provides confirmation that they shall arrange to share PQR supporting documents later as required by the owner.
- Detailed Bid Document (also referred as RFQ) shall be issued through PPGCL e-tender portal (Ariba System) only to the parties submitting a valid EOI as per terms mentioned in this document.

4. BIDDER PRE-QUALIFICATION CRITERIA:

Interested parties note that the bidder shall be required to fulfill the following bidder pre-qualification criteria 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.

4.1 TECHNICAL REQUIREMENTS:

OIL COOLED ELECTRO MAGNETIC SUSPENDED MAGNET

Scope of supply

1/ Technical details:

MATERIAL: OIL COOLED ELECTRO MAGNETIC SUSPENDED MAGNET

Scope of Work of Suspended Magnet Supply & Erection supervision, Commissioning, and testing

The Scope of work under this contract involves Suspended Magnet Supply, Erection supervision along with commissioning & testing. The vendor must carry out Suspended Magnet Supply, Erection supervision along with commissioning & testing in all respects including structure. The details of the further scope of both Vendor and PPGCL regarding the work below:

(A) Scope of work for VENDOR:

1. Vendors will reach at PPGCL site after receiving the said material immediately.
2. Meals and accommodation for Commissioning personnel will be in vendor scope.
3. All Safety compliance as per standard norms and as instructed by PPGCL guidelines during work execution at site.
4. Vendors must follow all statutory compliances at PPGCL as applicable in the U.P. as per various Laws.
5. Defect liability period for 12 months will be applicable from the date of Commissioning.

Magnetic Separator oil cooled Electro Magnetic suspension magnet- 14kw Aluminum control panel (non-self-cleaning type without belt)

Application:

Belt Width	: 1800 Mm
Belt Speed	: 3.5 M/Sec.
Capacity	: 2600 Tph
Troughing Angle	: 35 Deg.
Belt Inclination	: 15 Deg.
Material	: Coal
Max. Lump Size	: (-) 400 Mm
Bulk Density	: 0.8 T/M3

Min. Size of tramp iron: M20 x 100mm long MS rod/bolt, if free to be extracted/pieces be separated. if path is available.

Max. Weight of tramp iron: 50 Kgs of normal tramp iron having L/D ratio 5:1, if free to be extracted/pieces be separated. If path is available.

Specification:

Operating Height	: 450 - 500 mm
Approx. Power Consumption	: 14 KW
Material Of Coil	: ALUMINIUM CONDUCTOR
Class Of Insulation	: 'H'
Material Of Core	: HIGH PERMEABILITY STEEL
Oil	: TRANSFORMER OIL AS PER IS:335

The Magnet is fabricated from high permeability mild steel and is totally enclosed, dustproof and welded construction with a suitable non-magnetic face plate.

The Magnet is supplied complete with four-legged suspension sling including bull ring & turn buckles for ease of adjustment.

The following features to be provide in the oil cooled magnet:

- (a) A filler plug for filling the oil.
- (b) Oil level indicator to check the oil level
- (c) Drain plug to drain the oil
- (d) Pressure relief valve
- (e) First fill of oil is also included in vendor scope.

Magnetic Separator Electromagnetic Overband Magnetic Separator Spare Control Panel:

The supply includes a Control Panel with powder-coated paint suitable for 415V, 3 phase, 50Hz. incoming supply, incorporating the following components: -

- (a) Moulded case circuit breaker (MCCB-10KA) and indicating lamps for incoming supply
- (b) Semiconductor fuses on secondary side of the transformer & HRC fuse for DC circuit
- (c) Three phase air cooled transformer suitable for incoming supply with tapings on both primary and secondary sides
- (d) Three phase silicon Bridge Rectifier
- (e) Contactor for switching on magnet with necessary ON-OFF push buttons
- (f) Contactor for switching on motor with necessary ON-OFF push buttons
- (g) Motor protection circuit breaker for motor
- (h) MCB on primary & secondary side of the control transformer for control circuit
- (i) Local / Remote Selector Switch for feedback of local / remote Selection and terminals for remote switching ON/OFF of the Magnet
- (j) Digital DC Voltmeter for DC voltage
- (k) Digital DC Ammeter for DC current

Above mentioned features of the Magnetic Separator along with the control panel to be adhered.

Scope of work for PPGCL:

- 1) Lifting equipment is available at sites like EOT, Hoist & Hydra etc.
- 2) Required Manpower, Tools, and Tackles will be in PPGCL scope.

Technical criteria:

- a) The vendor shall have experience in the supply of **OIL COOLED ELECTRO MAGNETIC SUSPENDED MAGNET**
- b) Interested vendors can submit an "Expression of Interest (Eoi)" along with their profile – covering experience/Credential for Procurement of : **OIL COOLED ELECTRO MAGNETIC SUSPENDED MAGNET**

- c) Bidder must submit the previous (Last) 4 to 5 purchase orders of a reputed company.

4.2 FINANCIAL REQUIREMENTS:

It may be noted that the above requirements are minimum qualification criteria. However, PPGCL reserves its right to further assess the capabilities of the parties and reserves its rights to further shortlist, accept or reject any party without assigning any reason. The tender may be split into more than one party at the discretion of Owner.

Notes for financial requirements:

- a) Bidder should be an independent company, a proprietorship firm, a partnership firm or a combination of above in form of Joint venture Company, registered as per Companies Act. Bidder to share relevant details of the bidding entity.
- b) Bidder should share Certified copy of Income TAX, PAN, GST/ Other Taxes Duties Certificate and EPF registration (or undertaking in case not applicable) issued by competent authority.

5. BID SECURITY:

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 through NEFT / RTGS**, 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 PPGCL e-tender portal(Ariba System) only to the parties submitting 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.