

OWNER
PRYAGRAJ POWER GENERATION COMPANY LIMITED

PACKAGE
TENDER FOR PROCUREMENT OF K-TYPE THERMOCOUPLE WITHOUT THERMOWELL
At
3X660 MW THERMAL POWER PLANT

Of
PRAYAGRAJ POWER GENERATION COMPANY LIMITED (PPGCL)
BARA, PRAYAGRAJ, UTTAR PRADESH – 212107 – INDIA

Tender Reference No.
Tender Ref: PPGCL/SG/FY-26-27/1000007501-June'26

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TENDER FOR PROCUREMENT OF K-TYPE THERMOCOUPLE WITHOUT THERMOWELL

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Title of Work to be awarded: PROCUREMENT OF K-TYPE THERMOCOUPLE WITHOUT THERMOWELL

Type of Bidding: E-tendering / Two-Part

Contact Details: All communication including EOI submission shall be addressed to following officer/s:

Mr. Srikant Gorai
Lead Engineer- Procurement & Contract
Email id: srikant.gorai@ppgcl.co.in

Copy of all communications shall be marked to (Cc):

Mr. Sarwotam Prasad
Group Head – Contracts
Email: sarwotamprasad@tatapower.com

Mr. Uday Narayan Jha
Head -Fuel, Contract & Materials
Email: jhaun@tatapower.com

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

PROCUREMENT OF K-TYPE THERMOCOUPLE WITHOUT THERMOWELL:

For detailed information and guidelines to participate in the bidding, please refer to subsequent pages.

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 1

Site Name	3 X 660 MW Prayagraj Power Generation Company Limited
Owner	PRAYAGRAJ POWER GENERATION COMPANY LIMITED (PPGCL)
Site Location	PPGCL site is in Bara Tehsil in Prayagraj District, Uttar Pradesh. Site is at distance of 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-Prayagraj route) and road (located on NH35).
Elevation Above Mean Sea Level	98 m above Mean Sea Level
Access to Site	Plant is located on National Highway NH 35. Bamrauli Airport, Prayagraj is the nearest airport which is about 55 KM from Site.

HIRING OF EQUIPMENT FORFGD PROJECT WORKS:

PPGCL intends to award the contract for **PROCUREMENT OF K-TYPE THERMOCOUPLE WITHOUT THERMOWELL**. The objective of this EOI is to invite competent business associates having the relevant experience in the similar work.

2. CONTROLLING AUTHORITY for this Tendering Process

The tendering process/ procurement activities for this work package will be driven and controlled by:-

Department of Fuel, Contracts & Materials
Administrative Building
Prayagraj Power Generation Company Limited,
P.O. Lohgara, Tehsil: Bara, Prayagraj (Allahabad),
Uttar Pradesh – 212107, India

3. SCOPE OF WORK

PROCUREMENT OF K-TYPE THERMOCOUPLE WITHOUT THERMOWELL:

Detailed Scope of Work and Terms & Conditions for this Tender/ Contract shall be provided in the Tender/RFQ document to all bidders having expressed their interested by submission of EOI and tender fee as per the process defined in this document at later pages.

4. BIDDER PRE-QUALIFICATION CRITERIA

Interested parties must note that Bidder shall be required to fulfil the following bidder pre-qualification criteria to qualify for the work package. Bidder shall be required to submit relevant supporting documents to substantiate their qualification during the bid submission stage against Tender document/RFQ.

- Bidder should be Indian manufacturer & global Supplier of Thermocouple.
- Bidder should be registered vendor of SIEMENS/BHEL.
- Bidder should have ISO CERTIFIED Manufacturing facilities in India.
- Bidder should have in-house testing & calibration laboratories accredited by NABL.
- Product should be compliant with CE, ATEX AND NACE standard & certified with TUV.
- Product Warranty must be of minimum 02 Years.

4.1 Technical Requirement

Detailed Scope of Work and Terms & Conditions for this Tender/ Contract shall be provided in the Tender/RFQ document to all bidders having expressed their interested by submission of EOI and tender fee as per the process defined in this document at later pages.

Mandatory Technical Standards (Product Manufacturing):

The MTM Thermocouples must be designed, engineered, and calibrated to meet globally recognized testing benchmarks:

- Sensor Wire and Accuracy Limits: Conformance to ANSI MC 96.1 or IEC 60584-1 / IEC 60584-2 (Class-1 / Special Limits of Error) governing thermoelectric tolerances.
- Mineral Insulation Requirements: Conformance to IEC 61515 or ASTM E235 regarding the compaction, density, and purity standards of the Magnesium Oxide (MgO) substrate.
- Protection Sheathing Material: Verification that the SS-321 or SS-316 materials meet,
- Protection Sheathing Material: Verification that the SS-321 or SS-316 materials meet standard ASTM / ASME chemical composition regulations.
- Calibration Regulations: Testing must strictly follow ASTM E220 protocols (Standard Test Method for Calibration of Thermocouples by Comparison Techniques).

Post-Award Certificates & Quality Assurance Plan (QAP):

Once a vendor is provisionally selected. Before materials are dispatched from the factory, the following test certificates must be generated and signed off by a Field Quality Assurance (FQA) or Third-Party Inspection (TPI) agency:

- Calibration Test Certificate: A multi-point temperature vs. millivolt (mV) verification report charting accuracy across the operational range.
- Insulation Resistance (IR) Certificate: Documented test showing a resistance greater than 100 MΩ when subjected to a 500 U VDC charge at ambient conditions.
- Hydrostatic / Pressure Test Certificate: Leakage check records verifying sheathing integrity and the safety of the compression hardware.
- Material Test Certificates (MTC): Certified mill test reports identifying the precise heat numbers and chemical analysis of the stainless-steel sheath and weld pads.

- Interchangeability Certificate: A formal vendor guarantee verifying that the structural dimensions precisely match preexisting plant fixtures for drop-in replacement.

5. Financial Requirement

The bidder should have a minimum average annual turnover of Rs. 0.9 Crore during the last three financial years. FY 22-23, FY 23-24, FY24-25.-(FY 25-26 Can be considered If any Vendor have the audited Financial). 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 in more than one parties 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, Audited Financial Statements of the 3 preceding FYs, PAN, GST/ Other Taxes Duties Certificate and EPF registration (or undertaking in case not applicable) issued by competent authority.

It must 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 thereof. The tender may be split in among more than one parties at the discretion of Owner.

6. GUIDELINES FOR SUBMISSION OF EOI AND TENDER FEE

Interested parties meeting the "Bidder pre-qualification criteria" specified under point no. 5 in this document can request tender document and participate in the bidding process by submitting the Expression of Interest (EOI) along with paying the requisite tender fee (**Bidders to note that Tender Fee is non-refundable**) as per the guidelines mentioned hereunder: -

6.1 Amount of Tender Fee and deadline to deposit the same is indicated in Table 2

6.2 Tender Fee to be deposited in the bank account of Prayagraj Power Generation Company Limited as detailed in Table 3

6.3 Expression of Interest to be submitted by filling up the form available at link below (please note that this form is to be filled up only after paying the requisite Tender Fee. Bidder needs to ensure that all the information entered by him/ her/ them are correct so that further processing can be done.

[PROCUREMENT OF K-TYPE THERMOCOUPLE WITHOUT THERMOWELL](#)

6.4 Once the bidder fills up the above form and submits the same, a separate link will be sent to the mail id provided by the bidder in above said form.

6.5 Bidder shall upload the payment advice with UTR No. against the Tender Fee Submitted. After uploading the document, you will be asked:-

6.6 First Name – Please put the name of your company (as mentioned in GST)

6.7 Second Name – Please put the name of the contact person (as mentioned in Aadhar)

6.8 Tender Fee submission and Expression of Interest beyond the date & time specified in Table 2 shall not be entertained.

6.9 Expression of Interest submitted without Tender Fee submission will be rejected.

6.10 Bidders to note that all the activities mentioned in Point No. 6 (from Point No. 6.1 to 6.5.2) must be completed by 23:45 hrs of 18.06.2026 (after that submission of response/ Expression of Interest is not allowed).

6.11 Furnishing erroneous Tender Fee submission detail, organizational detail, qualification details or any false information will lead to rejection of Expression of Interest.

Table 2

Work Package	Tender Fee	Deadline to deposit Tender Fee	Deadline to submit the Expression of Interest by submitting the form provided in the link as mentioned in Point No. 6.3
PROCUREMENT OF K-TYPE THERMOCOUPLE WITHOUT THERMOWELL	₹ 2000/- (INR Two Thousand Only). To be deposited by NEFT/ Bank Transfers/ UPI to the bank account detailed in Table 3	18-June-26 11:45 PM (Indian Standard Time)	18-June-26 11:45 PM (Indian Standard Time)

Table 3

Bank details for submission of Tender Fee and EMD	
Beneficiary Name/ Account Holder's Name	PRAYAGRAJ POWER GENERATION CO. LTD.
Banke Name	State Bank of India
IFS Code	SBIN0009995
Account No.	35304813683

7 GUIDELINES FOR SUBMISSION OF BID AND EMD

Detailed Bid Document (also referred as Request for Quotation or RFQ) shall be issued through Ariba System (e-tender portal of PPGCL) to the parties having successfully expressed the interest by fulfilling the requirement mentioned in Point No. 6.

7.1 Amount of Earnest Money Deposit (EMD) and deadline to deposit the same is indicated in Table 4

7.2 The bidder will receive the RFQ via email through the Ariba Portal and shall submit their bid accordingly through the same platform.

7.3 Technical Bid (without price)

7.4 Commercial Bid

7.5 Payment Advice – Please upload the payment advice in the section named “**EMD Payment Advice**”.

It must be noted that Technical Bid and Commercial Bids are mentioned in separate documents and are uploaded in the separate sections as designated.

7.6 It is mandatory to upload all the documents pertaining to their technical qualification, commercial qualification and EMD Payment Advice in Ariba Portal.

7.7 Bid(s) submitted against RFQ without EMD amount submission will be rejected.

7.8 Furnishing erroneous EMD amount submission detail, organizational detail, qualification details or any false information will lead to rejection of bid(s).

Table 4

Work Package	Bid Security/EMD	Deadline to EMD Amount	Deadline to submit the information of EMD Amount submission by submitting the form provided in the link as mentioned in Point No. 7.2
PROCUREMENT OF K-TYPE THERMOCOUPLE WITHOUT THERMOWELL	₹ 50,000/- (INR fifty thousand only). EMD amount to be deposited by NEFT/ Bank Transfers/ UPI to the bank account detailed in Table 3	Shall be declared while floating the Request for Quotation (through Ariba Portal) to the Bidders having successfully completed the Expression of Interest.	

8 BIDDING PROCESS

8.1 Safety evaluation (as applicable) of the bids will be carried out. Bids qualified against safety evaluation will undergo technical evaluation.

8.2 Bids qualified against technical evaluation will undergo commercial evaluation.

8.3 Bidder(s) qualified against commercial evaluation will be invited for commercial negotiation.

8.4 Bidders to note that negotiation may be conducted in Manual Mode/ submission of No Regret Price Mode/ Reverse Auction Mode.

9 IMPORTANT NOTE: -

9.1 Tender Fee is **non-refundable**.

9.2 EMD is refundable to the non-successful bidders after the completion of contracting activities.

9.3 For successful bidders, EMD will be retained till the end of the contract period plus claim period of 6 months.

End of Tender Notification Document **Tender Ref: PPGCL/SG/FY-26-27/ 1000007501-June'26**