



OWNER

PRAYAGRAJ POWER GENERATION COMPANY LIMITED

PACKAGE

**TENDER FOR PROCUREMENT OF BELT -EP 1600/5, FR GRADE WITH BREAKER PLY
1800MM WIDTH, TOP-5MM, BOTTOM-3MM**

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

**Tender Ref: PPGCL/FY23/DJ/PPGCL
PROCUREMENT OF BELT -EP 1600/5**

TENDER FOR PROCUREMENT OF FERRIC CHLORIDE (ANHYDROUS TECHNICAL GRADE AT PPGCL PRAYAGRAJ

Enquiry reference no.: Tender Ref: PPGCL/FY23/DJ/PROCUREMENT OF BELT -EP 1600/5.
Title of Work to be awarded: PROCUREMENT OF BELT -EP 1600/5.
Type of Bidding: E-tendering / Two-Part
Contact Details: All communication including EOI submission shall be addressed to following officer/s: Mr. Dheeraj Gupta Sr Engineer – Contracts Email: dheeraj.gupta@ppgcl.co.in AND Mr. Rajnish Singh Head – Contracts Email: rajnishsingh@tatapower.com

Prayagraj Power Generation Company Limited Invites Expression of Interest (EOI) from interested parties for the e-Tendering Process of 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	1000/- (INR One Thousand Only as Bank Transfer)- To be submitted along with EOI. Tender Fee is not refundable.	50,000 (Fifty thousand Rupees). Bid Security 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 Procurement of BELT -EP 1600/5. The objective of this EOI is to invite competent vendors having the relevant experience in the above work of " BELT -EP 1600/5".

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 BELT -EP 1600/5.

Detailed technical specification and rest all 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 deadline specified below. Request for Bid Document / EOI will not be entertained beyond this deadline.
- b) Tender Fee, as indicated in the Table1 above may be paid through **NEFT** as per details for payment of Tender Fee given in Table3 below:

Table 3

Details for payment of Tender Fee & Bid Security (EMD will be accepted in form of NEFT/RTGS)	
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:	27 th December 2023

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): dheeraj.gupta@ppgcl.co.in
- Must mark a copy also to (CC): rajnishsingh@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 editable format in 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 bidder shall be required to fulfil 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:

- a. Conveyor Belt should have following parameters: -
- I. Belt Width: 1800 mm (-) **Tolerance is not acceptable.**
 - II. Nos of Ply: **5**
 - III. Top Cover Thickness: **5 mm**
 - IV. Bottom Cover Thickness: **3 mm**
 - V. Nominal Thickness of Carcass: **8.5 mm**
 - VI. Weight of Carcass: **9.4 Kg/M**
 - VII. Calculated Weight of Belt per Meter length including Cover: **35.05 Kg**
 - VIII. Belt Covers: **FR CAN CSA M422 M87 TYPE'C'**
 - IX. Cover Rubber Hardness: **65 ± 5 mm**

- X. Maximum Recommended Belt Tension: **180 KN/M**
- XI. Maximum Recommended Belt Tension for Full width: **324 KN**
- XII. Belt Edge Construction: **Moulded Edge**
- XIII. Carcass Skim Coated: **Yes**
- XIV. Troughing Angle of Conveyor: **35 Degree**
- XV. Belt is pre stretched: **Yes.**
- XVI. Belt Duty: **Heavy Duty**
- XVII. Nylon Breaker: **Nylon Breaker on top**
- XVIII. Tensile strength of Rubber Cover: **17 N/mm² (Min)**
- XIX.** Tensile strength of Rubber Cover after aging (Variation in %): **+10%, -20% of value before aging**
- XX. Minimum Elongation of Rubber (%) at breaking: **350 %**
- XXI.** Elongation of Rubber Cover after aging (Variation in %): **+10%, -25% of value before aging**
- XXII. Ply to Ply adhesion :**4.5 KN/M**
- XXIII. Ply to Ply adhesion :**3.5 KN/M**
- XXIV. Elongation of Belt (Permanent & Total) (Endless): **1.5% & 2%**
- XXV. Modulus of Elasticity of Belt: **12800 KN/Mtr**
- XXVI. Abrasion Loss: **200 mm³**
- XXVII. Flame Test: **ISO 340:2013(CI.No 5.3.2.2)**
- XXVIII. Drum Friction Test: **As per FR CAN CSA M422 M87 TYPE'C'**
- XXIX. Electrical Resistance Test: **As per FR CAN CSA M422 M87 TYPE'C'**
- XXX. Belt Roll Length Size: **250 M each**
- XXXI. Fabric Width should be in **One/Single** Piece
- XXXII. Maximum Nos of Patch Repair in Belt: Limited to **03/ 100 Mtr**
- XXXIII. Maximum Nos of Patch Repair & Buffing/Dough filling in Belt: Limited to **05/ 100 Mtr**
- XXXIV. Maximum Patch Repair Size area of each repair shall be limited to **1/5 w x 1/5 w**, where w is width of the belt.

Technical criteria:

- a) The vendor shall have experience to 7 to 10 years' experience in supply of Belt Conveyor Supply of BELT -EP 1600/5, FR GRADE WITH BREAKER PLY 1800MM WIDTH, TOP-5MM, BOTTOM-3MM.
- b) The bidder must share a minimum of 3 different last purchase orders against Belt Conveyor Supply.

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 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.