

E-Tender Notice

**POWER TRANSMISSION CORPORATION OF UTTARAKHAND LTD.
(A Govt. of Uttarakhand Enterprise)
CHIEF ENGINEER, OPERATION & MAINTENANCE
GARHWAL ZONE, PTCUL
26 - CIVIL LINES, ROORKEE – 247667**

E-Tender for “Supply, Installation, Testing and Commissioning of 415V, 800 Amp, Air Circuit Braeker (ACB) for Switchyard Power Supply” at 220Kv S/s Roorkee, 132Kv S/s Roorkee, 132Kv S/s Manglore & 66Kv S/s Thithki under 220 KV O&M Division, Roorkee” against E-Tender specification No. CE/GZR-24/2026-27.

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M/s / Shri _____

Sr. No.	DESCRIPTION	
1.	Tender No.	CE/GZR-24/2026-27
2.	Name of Work	Supply, Installation, Testing and Commissioning of 415V, 800 Amp, Air Circuit Braeker (ACB) for Switchyard Power Supply” at 220Kv S/s Roorkee, 132Kv S/s Roorkee, 132Kv S/s Manglore & 66Kv S/s Thithki under 220 KV O&M Division, Roorkee
3.	Completion Time	9 Months
4.	Tender issuing office	Office of Chief Engineer (O&M) Garhwal Zone, Power Transmission Corporation of Uttarakhand Ltd. " 26-Civil Lines, Roorkee-247667
5.	Tender Fees	Rs. 5,000.00+ 900.00 (GST@18%) =Rs. 5900.00 (Non refundable)
6.	EMD/Bid Security	Rs. 1,70,000.00
7.	Last date of Submission of Bid	30.10.2026
8.	Last Date and Time of Opening of Bid	31.10.2026
9.	Address & Place of Submission of Bid supporting documents.	Chief Engineer (O&M), Garhwal Zone, PTCUL, 26-Civil Lines Roorkee-247667.
10.	Type of Tender	Open Tender
11.	Contact & Telephone No. of the Tender issuing office	Phone No.:- 01332-272256
12.	E-mail address of the tender issuing office	ce_oandmg@ptcul.org

**(CHIEF ENGINEER (O&M)
GARHWAL ZONE,
ROORKEE**

PRE-QUALIFYING CRITERIA

(A) SCOPE OF WORK: Work of "Supply, Installation, Testing & Commissioning of 415V,800Amp. Air Circuit Breaker (ACB) for swirchyard power supply at 220KV Substation Roorkee, 132KV Substation Roorkee, 132KV Substation Manglore and 66KV Thithki under 220KV O&M Division, Roorkee

(B) PRE-QUALIFYING CRITERIA:

1. The tenderers/bidders must have to visit site of work & have to submit site visit report issued by concerned Executive Engineer along-with technical bid, failing which the bid of the tenderer may be rejected summarily.

(C) TECHNICAL CRITERIA

1. The bidder should have successfully completed the similar nature of work i.e. Supply, Installation, Testing & Commissioning of 415V,800Amp. Air Circuit Breaker (ACB) or Supply & Erection of any other electrical equipment at 66kV or above voltage substations or lines.
2. The Tenderer should furnish the details of their experience and statement of past works in the form "Details of orders executed during last seven years" annexed. Photostat copies of order and performance reports of these items from various State Electricity Boards/other Govt. Departments also be given.
3. Experience certificate should be issued by an officer not below the rank of Executive Engineer mentioning nature of work, Agreement No., Amount of work, Scheduled time of completion of work and Actual time of completion etc.
4. The Tenderers/bidders should have adequate experience during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:
 - a. Three similar completed works costing not less than the amount equal to Rs.19.21 Lakh.
Or
 - b. Two similar completed works costing not less than the amount equal to Rs. 24.02 Lakh.
Or
 - c. One similar completed work costing not less than the amount equal to Rs. 38.43 Lakh.
5. Electrical "A" Class license Certificate valid for Uttarakhand and validity of the registration should be furnished along with the technical bid
6. Any partner shall solely or JV jointly shall meet Technical Qualifying Requirement (TQR) of the respective tender

(D) FINANCIAL CRITERIA

1. **Minimum Average Annual Turnover:-**The minimum average annual turnover of the tenderer for the best three years (36 months) out of the last five years should not be less than Rs. 85.02 Lakh
2. For Financial Qualification Criteria, Joint Venture Partners shall jointly/collectively meet 100% of Financial Qualification Requirement (FQR) of the respective tender.
Note: The balance sheet and all other financial documents attested/certified by CAs to substantiate fulfillment of FQR should be with UDIN failing which the tender will be summarily rejected without any further reference.
3. A copy of PAN of the firm and all its partners.
4. A copy of GST Registration.
5. A copy of EPF Registration.
6. Solvency certificate from Bank (20% of bid value) should be submitted.

(E) The Government of Uttarakhand vide notification No. 47/XXVII(7)32(1)/2025 dated 13.08.2025 wherein it is mentioned in point No.Vi that "राज्यान्तर्गत विभिन्न विभागों द्वारा रु०10,00,00,000/- (दस करोड़ रुपये) मूल्य तक के निर्माण कार्यों की अधिप्राप्ति स्थानीय व्यक्तियों/स्थानीय रूप से पंजीकृत फर्मों (जिनमें स्थानीय व्यक्तियों का अंश 51 प्रतिशत या उससे अधिक हो) के माध्यम से सम्पादित किये जायेंगे। परन्तु यदि प्रथम बार की गयी निविदा में किसी स्थानीय व्यक्ति/फर्म द्वारा निविदा नहीं डाली जाती है अथवा प्रथम बार की गयी निविदा में कोई निविदादाता अर्ह नहीं पाया जाता है तो द्वितीय बार की गयी निविदा में उक्त प्रावधान को शिथिल समझा जायेगा" is applicable.

Assistant Engineer
132 K V S/S Manglore
PTCUL

Executive Engineer
220 KV O&M Division, Roorkee

Superintending Engineer
Operation & Maintenance Circle
PTCUL 26, Civil Lines
ROORKEE-247657

TECHNICAL SPECIFICATION

800 AMP 4POLE ACB PANEL

Particulars	Parameters	Parameters Offered
ACB SPECIFICATIONS	Rated Voltage	415V
	Rated insulation voltage	1000V
	Rated impulse withstand voltage	12kV
	Current Rating	800A
	Icu, Ics and Icw	50kA
	Icm	105kA
	Make	MF
	Fix/DO	Fix
	Pole	4
	Mechanical Life	As per IS std.
	Electrical Life	As per IS std.
	Release	Microprocessor based
	Conformance to EMI/EMC standards	Yes
	IEC 60947 certification	Yes
	Front accessible assy.	No
	IS std.	IS/IEC - 60947 (Part 1 & 2)
	Live part from front	Can't access
	Accessories	Pre-wired
Overload (Ir)	Pickup (Ir)	0.4, 0.5, 0.6, 0.7, 0.75, 0.8, 0.85, 0.9, 0.95, 1.0 (xIn)
	Delay (tr)	12s @6Ir
	Thermal Memory	ON / OFF
Short Circuit	Pickup (Is)	2, 3, 4, 5, 6, 7, 8, 9, 10 (xIn)
	Delay (ts)	0.02, 0.1, 0.2, 0.3, 0.4s I2t ON (@10In)
	Delay (ts)	0.02, 0.1, 0.2, 0.3, 0.4s I2t OFF
Instantaneous	Pickup (Ip)	14In
Earth Fault	Pickup (Ig)	0.2, 0.3, 0.4, 0.5, 0.6, (xIn)
	Delay (tr)	200ms I2t OFF
Neutral	Pickup (IN)	50, 100, 150, 200%
BUSBAR	Busbar Size for Phase & Neutral	1R X 75 X 12 AL
PANEL SPECIFICATIONS	TYPE OF INSTALLATION	Outdoor
	Panel Construction	CRCA Sheet 1.6 mm Thickness
	Panel Enclosure Class	IP 55
	Sheet Steel Thickness	1.6 mm
	Door Type for Front & Rear Access	Hinged Doors both Front & Rear
	Door Hinges	Lift Off Type, Brass
	Padlocking Facility	For Front Door
	Master Key for All Doors	Identical
	External Steel Hardware	Galvanised Nut, Bolts & Washers
	Phase & Neutral Busbar	Aluminium EC Grade
	Busbar Colour Coding for R, Y, B & Neutral	Heat Shrinkable sleeves with colours Red, Yellow, Blue and Black respectively

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 Roorkee-247667

Main Busbar Short Circuit withstand Capacity	Above 50kA for 1 sec as per IEC 60439
Main Busbar Max. Temperature Rise	Above Ambient of 45 Degree
Busbar Support Insulators	As per IS13410 - SMC/DMC, 1100 V Grade
Gland Plate at Bottom of Panel	CRCA 2 mm Thickness
CT's for 800 AMP Feeder	3 Nos CL 800/5
TTB for Metering	Front Connection, Screw Type, 3 Phase 4 Wire
Digital Meter	VAF METER (Non - Communicable)
Earth Studs on Both Side of Panel Bottom	With M10 Galvanised Steel Nut Bolts
Panel Maximum Dimensions in mm	Width x Depth x Height
Feeder Pillar Dimensions (Max.)	600 x 850 x 800+50(Canopy)+500 (Stand)
Clearance Between Live Parts	Phase- Phase Min 25 mm & Phase-Earth - Min 20 mm
Lighting System	LED Based
Continuous Rated Operating Voltage	415 V
Labels & Name Plates	As per Specifications
Painting	Powder Coated after 9 Tank Treatment with thickness above 60 Microns
Shade	Siemens Grey - RAL 7032
Panel Drawing/GAD	Attached

[Signature]
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