

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, Erection and Commissioning of 33 KV Isolators at 132 KV Substation Manglore” against E-Tender specification No. CE/GZR-22/2026-27.

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M/s / Shri _____

Sr. No.	DESCRIPTION	
1.	Tender No.	CE/GZR-22/2026-27
2.	Name of Work	Supply, Erection and Commissioning of 33 KV Isolators at 132 KV Substation Manglore
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. 1,65,000.00
7.	Last date of Submission of Bid	29.10.2026
8.	Last Date and Time of Opening of Bid	30.10.2026
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, Erection & Commissioning of 33KV Isolators at 132KV Substation Manglore.

(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.

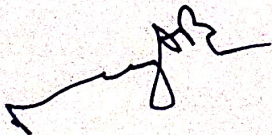
(C) TECHNICAL CRITERIA

1. The bidder should have successfully completed the similar nature of work i.e. Supply, Erection & Commissioning of 33KV Isolators 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.18.88 Lakh.
Or
 - b. Two similar completed works costing not less than the amount equal to Rs. 23.60 Lakh.
Or
 - c. One similar completed work costing not less than the amount equal to Rs. 37.76 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

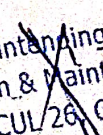
1. **Minimum Average Annual Turnover:-**The minimum average annual turnover of the tenderer for the best three years (36 months) out of the last five years should not be less than Rs. 83.55 Lakh
2. For Financial Qualification Criteria, Joint Venture Partners shall jointly/collectively meet 100% of Financial 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


Superintending Engineer
Operation & Maintenance Circle
PTCUL 26, Civil Lines
ROORKEE-247667

TECHNICAL SPECIFICATION

S No.	Particulars	
2	Manufacturer's type	DBCR
3	Standards to which the equipment conforms	IS: 9921
4	Frequency (Hz.)	50 Hz
5	Rated voltage(KV rms)	33 kV
6	Max.design voltage at which the isolator can operate (KV rms)	36 kV
7	Continuous current rating (Amp. rms)	800 Amps
8	Rated short time current	
	i) for 1 sec. (KA rms)	31.5kA
	ii) rated peak short time current(KA peak)	62.5 kA
9	Current density at the min. cross section of (Amp./sq.mm)	
	i) Moving blades	Less than 1 A/sq. mm
	ii) Terminal pad	Less than 2.5 A/sq. mm
	iii) Contacts	Less than 2.5 A/ sq. mm
	iv) Terminal connector	, Less than 1 A/sq. mm
10	De-rating factor for specified site conditions,	Unity
11	Insulation levels	
	i) Dry impulse withstand voltage' (KV peak)	
	a) Phase to earth	170 kV
	b) Isolating distance	195 kV
	ii) Wet power freq. Withstind voltage (KVrms)	
	a) Phase to earth	70 kV
	b) Isolating distance	80 kV
12	Min. clearance in air(mm)	
	i) Center to center distancebetween pole	1500mm
	ii) Between live part & earth	320mm
	iii) Between po ase	450 mm
13	Design & Construction	-
	i) No. of insulators per pole	6 No Porcelain Post 1176
	ii) No. of break per pole	Two
	a) Main switch	Two
	b) Earth switch	One
	iii) Type of opening/closing mechanism	Manual Operating
	iv) Fixed Contacts	Two Per Phase
	b) Effective cross sectional area (sq.mm)	
	1. Main switch	450 sq. mm
	2. Earth switch	300 sq. mm
	c) No. of operations the isolator can make without deterioration of contacts	
	1. Main switch	1000 nos.
	2. Earth switch	1000 nos
	v) Moving blades	
	a) Material & grade	Al rod with cu tubes at both ends
	1. Main switch	1319.58 sq. mm
	2. Earth switch	172 sq. mm
	vi) Contact support	
	Material & size of plate	M.S 100 x 5 mm Hot dip Galv.
	vii) Rain hood & material size	M.S 100 x 5 mm Hot dip
	viii) Nuts & bolts	
	a) size,material & grade in live parts	As per required, M.S Electroplated
	b) size,material & grade in other parts	As per required, M.Selectroplated

[Signature]
 EXECUTIVE ENGINEER
 220 KV O&M Division, Roorkee

[Signature]
 Assistant Engineer
 132 KV & S Mangalore
 PTCCL

[Signature]
 Superintending Engineer
 Operation & Maintenance Circ
 PTCUL 26, Civil Lines
 ROORKEE-247657

a) Material	M.S Hot dip galvanized.
b) Size	100 mm
c) Thickness	5 mm
x) Bearing	6205zz Mopel
a) Material of housing	Al alloy
b) Material of bearing	steel
c) No. of bearing location size	one Ball Bearing-at bottom per P
xi) Coupler pipe	
a) Size	25 mm NB, G.I
b) Length	3100 mm
c) Class	B Class
d) Numbers	
e) Size of bolt	As per required.
f) No. of clamps	
g) Material of clamps	M.S Galvanized.
n) Thickness of clamps	20x8 mm
Xii) Type of interlocks	Mechanical interlock
xiii) Down pipe	
a) Size	32 mm NB
b) Length	1.8 M
c) Class	B Class
xiv) Type of universal/swivel joint	
a) Between Bearing & down pipe	Mechanical Coupling
b) Between down pipe & operating mechanism	Mechanical Coupling
xv) Operating mechanism	Manual Operating
xvi) Earthling Mechanized	MS Part & Copper Pipe 38 od
a) Control cabinet	Len+th 95 to 100 mm
xvi) Insulators	NA
a) Type	6 Insulator Per Phase
b) No. of units per insulator	33 Kpost insulator 1176 CD
c) Height of each insulator stack (mm)	Two
d) No. of holes, size & pitch circle diameter(mm)	600 mm
e) Rated voltage	Four holes, 76 mm PCD
f) Dry power freq. With stand voltage(KVrms)	33 kV
g) Wet power freq. Withstand, voltage (KVrms)	70 kV
h) Impulse withstand voltage (KV peak)	70 kV
i) Visual discharge voltage level (KV rms)	170 kV
j) Creepage distance (mm)	
xvii) Base channel	1176 mm
a) Material	
b) Size	M.S Hot dip galvanized.
xviii) Terminal cot ,	100 x 60 x 1000 mm
a) Clamp body	
i) Material	
ii) Area of min. cross setlon	Al alloy
b) Material ,of bolts & nuts size	
	M.S Electroplated,

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