

NOT FOR SALE/FOR WEB BASED TENDERING OLY

Power Transmission Corporation of Uttarakhand Limited

Tender Notice No. 03/2014-15

Sealed and separate tenders in two parts (Part-I & II) are invited from reputed and experienced firms/contractors or equivalent authority of following works. The tenders documents shall be down loaded from our internet website www.ptcul.org.

Tenders shall be received through Registered/Speed Post only (acknowledgement due) addressed to Executive Engineer, Electricity Test & Commissioning Division, PTCUL, 132KV S/s Campus, Kathgodam, Haldwani, District - Nainital in the office upto 02:00 PM on specified date. The department shall not own any responsibility regarding the postal delay in the receipt of the tender.

The Part-II of the tenders, belonging to only those tenders who qualify for the work/supply on the basis of the documents supplied by them in Part-I, shall be opened publicly same day. All other terms and conditions shall be as per tender documents.

Part I & II shall contain the following:-

(A) Part-I :- Part-I of the Tender shall contain the following:-

- (i) **Cost of Tender Documents**:- In the form of Bank Draft/Banker Cheque in favour of Executive Engineer, Electricity Test & Commissioning Division, PTCUL, Haldwani payable at Haldwani.
- (ii) **Earnest Money**: - In the form of FDR/CDR/NSC/TDR duly pledged in favour of Executive Engineer, Electricity Test & Commissioning Division, PTCUL, Haldwani payable at Haldwani.
- (iii) **Experience Certificate**: - Experience Certificate regarding similar work issued by Government Department or Semi-Government Enterprises must be furnished with Part-I.
- (iv) **Registration**: - The Firm/Contractor/Supplier must be registered in Sales Tax, Income Tax and Service Tax Department. Photocopy of Registration must be furnished with Part-I.
- (v) **Financial Turn Over**: - Bidders Turnover of last two financial years shall not be less than Rs. 10.00 Lacs.
Relevant documents in support of above must be furnished with Part-I. If these documents are not furnished along with the Tender in Part-I, the offer will be liable to be rejected summarily.

(B) Part-II: - Part-II of the Tender shall contain Techno-Commercial and Price Bid.

- (a) **Description of Supply**: - Procurement of Numerical Over current and Earth Fault Relay for various Feeders of Kumaon Zone.
- (b) **Earnest Money** :- Rs. 7500/-
- (c) **Cost of Tender Document** :- Rs. 250.00 + 13.50 % VAT
- (d) **Last Date of Downloading of Tender** :-20/02/2015
- (e) **Last Date of Submission of Tender** :- 28/02/2015 at 17:00 PM
- (f) **Opening Date of Tender** :- 02/03/2015 at 03:30 PM

“Save Electricity in the interest of Nation”

**Executive Engineer (T&C)
PTCUL, Haldwani**

TECHNICAL SPECIFICATION FOR NUMERICAL OVER CURRENT AND EARTH FAULT RELAY

Directional Over current and Earth fault relay shall include following but not limited to:-

1. Three Phase Directional and Non Directional Over Current for Over Current Protection.
2. Directional and Non Directional Earth Fault for Earth Fault Protection.
3. Inrush blocking for protection against inrush current.
4. Broken conductor for broken conduction detection.
5. Negative Sequence Over current element.
6. Under and Over Voltage features.
7. Thermal Overload protection.
8. Circuit Breaker Failure Protection.
9. Under and Over Frequency Protection.
10. Rate of change of Frequency Protection.
11. Circuit Breaker condition monitoring.
12. DC supply supervision.
13. Programmable Scheme Logic: To customise the protection and control functions using the programmable scheme logic. The PSL is presented in a graphical format, making use of universally understood symbols. The PSL can be downloaded into the relay without requiring any compilation, and may also be saved to disc or printed out.
14. Harsh environmental coating: All printed circuit boards must be HEC coated, at no cost to the customer. This defends the boards long-term against atmospheric moisture, salt, pollutants and other potentially corrosive gases.
15. Event, Fault and Disturbance recording.
16. CT / PT : 4 / 4
17. DI / DO : 8 / 8
18. Communication Port : Front USB/RS232 and Rear RJ45
19. Communication Protocol : IEC 61850
20. Relay must conform to latest international standards and protocols and must have KEMA certification.
21. Relay must have fault locator.