

Schedule - III

Technical Specification for supply of Insulating Oil Tester against TN-2730

1. Scope of work : -

The equipment shall be used for determination of the di-electric strength of insulating oils used in power transformers, switchgears, bushings, capacitors and other electrical apparatus.

2. The technical requirements shall be as follows:-

- I. The instrument should conform to IS 6792, IEC 156.
- II. Test insulating oils to IS, IEC, ASTM etc.
- III. Test voltage should range upto 100KV.
- IV. Motorized rise of test voltage: 2 KV/sec.
- V. It should have One piece construction with safety interlocked transparent hood covering test cell.
- VI. Facility to hold the test voltage at any desired level..
- VII. KV meter should continue to indicate breakdown voltage even after breakdown.
- VIII. It should be light in weight.
- IX. It should be portable, rugged and with cover.

3. General Specification:-

Sr No	Particulars	Specification
1	Input voltage	240V \pm 10% AC, single Phase, 50 Hz.
2.	Display	Digital mode
3.	Accuracy	\pm 4% of full scale deflection/ range.
4.	Shut down sensitivity	20mA max.
5.	Rate of rise of Voltage	2KV/sec.

4. Accessories:-

Sr.No	Particulars
1	Main cord 2 meter long
2	Molded test set cell with electrodes
3	GO and NOGO gauges
4	Operating manual

5. Guarantee : - 24 Months.

6. TENDER SAMPLE:

All the testing expenditures of sample testing, Acceptance tests for routine inspection of lots will be borne by the firm only.

The tenderer shall have to submit one tender sample of each rating offered of Insulating Oil Tester duly tested as per the tender specifications before the date of opening of techno-commercial bid or one day prior to opening of techno-commercial bid, for arranging CTL or elsewhere testing. The tender without

sample or delayed submission of sample will be out-rightly rejected and offer will not be considered neither for technical evaluation nor for price bid consideration.

Only after successful CTL or elsewhere testing **as per specifications** in presence of tenderer's / bidder's representative, offer of the firm will be considered for opening of the financial bid. The tender sample will be returned back on whom order is not placed. It will be responsibility of bidder to collect the tender sample within 10 days on receipt of letter from Purchaser. The purchaser is not responsible for any damage or loss of parts etc. if found short during collection of tender sample. If bidder is not lifting the tender sample on receipt of letter from purchaser, then Nigam will not be responsible for its safe custody. The tender sample will be considered as a part for the successful bidder and after successful passing in tests at CTL or elsewhere, it will be allowed for dispatch at the destination, allotted by the purchaser along with the last lot.

The samples are to be submitted to Testing office (i.e. CTL or elsewhere) under guidance of purchaser.

7.0 ADDITIONAL ORDER

Repeat orders for additional quantities, upto 50% of original ordered quantities, may be placed by the Nigam, on the same rates, terms and conditions given in the contract.
