

Annexure to indent No. 47621066

Date- 19.11.11

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19**Specification for Surge Comparison Tester 10 KV.**

**Description:-** The unit shall be used for testing of Armature of Traction Motors as well as single phase and three phase coil windings of Induction Motors. The Surge Comparison Tester should be PC Compatible.

**Technical Specification:-**

- The unit shall have two test positions

Test Position -I

Test Voltage- : 0 -1 KV

For testing of Armature only.

Pulse Current : 1000Amps. max.

Pulse Energy : 2.5 Joules max. only one Channel.

Test Position-II

Test Voltage- : 0 -10 KV

For testing 1 phase &amp; 3 Phase Coil Windings only.

Pulse Current : 660 Amps. max.

Pulse Energy : 5.0 Joules max. Two Channels

: 2.5 Joules max. only one Channel.

CRT's Vertical

Test Position-I

Test Position-II

125 Volt/Div.

500 Volt/Div.

250 Volt/Div.

1000 Volt/Div.

2500 Volt/Div.

Display

: Cathode Ray Tube—For Wave- Patterns

Accelerating Voltage : 14 KV

Screen Size : 100 mm. X 80 mm.

3 ½ Digital Volt Meter for indicating applied Surge Voltage to the windings under test.

3 ½ Digital Meter to indicate Deflection Range (Peak Volt Meter)

PC Compatibility

: Should be compatible with PC with the feature to store, recall and print surge test waveforms through USB port.

Surge Frequency

: 50Hz ± 3%.

Sweep

: Variable.

Operating Voltage

: 230 Volt ± 10% at 50Hz.

Power consumption

: 330 Watt

Dimensions

: 470(W) x 330 (H) x 585(D)mm. (approx) ± 5 % variation in each dimension


Weight

: 40 Kg. (approx) ± 5 Kg

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### Other Conditions

- The equipment shall be under warranty/guaranteed for two years from the date of successful commissioning on the equipments at ELS/TKD.
- The decision of Railway in regard to the cause of failure or nature of rectification to be carried out by the supplier during guarantee period shall be final and binding on the part of contract.
- The transportation will be at the supplier cost during warranty / guarantee repairs.
- Technical literature:- Contactor has to supply at least 02 copy of technical literature / operating manual along with diagram circuit equipment.
- Training:- The supplier shall provide training for operating maintenance and trouble shooting of problems generally arises in handling of equipment.
- Inspection:- Inspection may be carried out by agencies like RITES /RDSO. After receipt of item at shed it will also be inspected by Sr DEE/TRS/ELS/TKD's representative.
- Commissioning of Equipment:- Commissioning of equipment at consignee place with out any obligation.

  
Sr.DEE(TRS) ELS/TKD  
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**Annexure-II**

To be submitted by the firm along with offer

Tender specification as per Annexure-I	Specification quoted by the firm	Deviation if any with clarification

Signature of firm's