

Indent No. C/6510/7/2645T

SPECIFICATION FOR ELCID EQUIPMENT

DIGITAL ELCID KIT suitable for fault detection in Large Turbo-Generators complete with:

1. Notebook computer with pre-installed software for storing and analyzing data.
2. Software license for current version (on CD).
3. Test Data Acquisition Software.
4. SPU (Signal Processing Unit).
5. Sense Head Extension Detectors (4 Chattock coils – Miniature. 7”, 9” & 11”).
6. Sense Head Extension Lead.
7. Sense Head Trolley with Encoder.
8. Calibration Unit.
9. Reference Signal Output Loop.
10. Reference Transducer.
11. Reference Transducer Terminal Box.
12. Reference Extension Lead.
13. Multi-meter with leads.
14. Current Clamp Meter.
15. Required Tools and Fixtures.
16. Main Lead.
17. Rugged Transit Containers.
18. Robotic Inspection Trolley.

Switched Turbo Excitation System

1. Excitation Control Box.
2. Excitation Cable 2 nos.
3. Measuring Tape.
4. Mains Lead.

Specifications

1. Equipment shall operate on Power Supply Input of 230V \pm 10%, 50Hz.
2. Calibrating Unit Frequency: 50Hz.
3. Average Running Time of Battery: 10 hours.
4. Average Charging Time of Battery: 10 hours off load, 16 hours on load.
5. Operating Temperature: 0-50°C
6. Relative Humidity: Up to 95% (Non-condensing type).

Party shall indicate other essential spares and optional accessories required for safe operation of the equipment for at least 5 years.

- ◆ Party shall supply two copies of O & M Manual in English along with internal circuitry.
- ◆ Equipment shall be commissioned free of cost at our premises.
- ◆ T/C and G/C of the equipment are required.
- ◆ Calibration Certificate.
- ◆ Party shall impart training for operation/ maintenance of the equipment at their works free of cost.
- ◆ Party shall quote separately for “Annual Maintenance Contract” for 3 years mentioning no. of visits per year.
- ◆ Party shall indicate the service facility and service centre in Northern India.
- ◆ Party shall indicate self calibrating facility of the equipment, if available (optional).