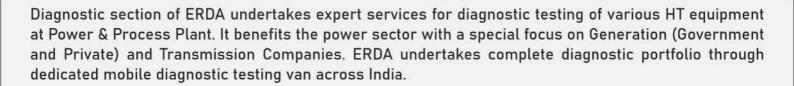




ELECTRIC DIAGNOSTIC ON WHEELS







Power Transformer

- · RLA study
- · Capacitance & tan testing of winding insulation and bushing
- · Sweep frequency response analysis
- Dielectric response analysis (DIRANA) of transformer winding insulation
- Partial discharge detection using Acoustic Emission Technique
- Various routine electric tests

Rotating Machine

- Stator insulation tests (Capacitance/tan delta, IR/PI)
- Rotor monitoring (RSO & impedance test)
- Stator core monitoring by ELCID (Electromagnetic core imperfection detection) test
- Online monitoring with the current signature analysis

Switchyard Equipment

- Online PD survey of switchyard equipment by RFI & NL acoustic camera method
- . Capacitance and tan delta of CT/CVT
- Third harmonic resistive leakage current measurement of lightning arrestor

Cables

- VLF (Very low frequency) testing of cables up to 22 kV of rating as per IEEE 400.1 & 400.2
- DAC (Damped AC) testing of cables up to 60 kV as per IEEE 400.4
- LIRA (Line impedance resonance analysis) of HT & LT cables