

CONDITION MONITORING & DIAGNOSTIC TESTING

POWER TRANSFORMER & OIL (OFF-LINE TESTING)

Winding

- Insulation Resistance and Polarization Index Measurement at recommended test voltage.
- Capacitance and Tan delta Measurement at 10 kV or U_0 Voltage whichever is less.
- SFRA (Sweep Frequency Response Analysis) Test.
- Magnetic Balance test.
- Turns Ratio Measurement for all taps at 10 kV or U_0 Voltage whichever is less.
- Excitation Current Measurement at 10 kV or U_0 Voltage whichever is less.
- % Impedance Measurement.
- DC Winding Resistance Measurement at 1A /10A DC constant source.
- Vector Group.

Bushing

- Insulation Resistance Measurement at recommended test voltage.
- Capacitance & Tan delta Measurement.
 - C1 Insulation at 10 kV or U_0 Voltage whichever is less.
 - C2 Insulation at 0.5 kV or 1 kV.

Insulating Oil

- Visual Inspection
- Oil Tan delta Measurement
- Oil Dielectric constant Measurement
- Oil Resistivity Measurement