National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TRANSFORMER TESTING LAB (A UNIT OF INDCOIL TRANSFORMERS PRIVATE LIMITED), UNIT - 2, PLOT NO. L3, ADDITIONAL MIDC, MURBAD, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11438 **Page No** 1 of 2

Validity 14/03/2023 to 13/03/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Induced Over Voltage Withstand Test	IS 1180 (Part 1) (Clause 21.2 f)
2	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Measurement of No Load Loss and Current	IS 1180 (Part 1) (Clause 21.2 d)
3	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Measurement of No Load Loss and Current	IS 1180 (Part 1) (Clause 21.2 d)
4	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Measurement of Insulation Resistance	IS 1180 (Part 1) (Clause 21.2 e)
5	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Measurement of Short Circuit Impedance and Load Loss at 50% & 100% Load	IS 1180 (Part 1) (Clause 21.2 c)
6	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Measurement of Short Circuit Impedance and Load Loss at 50% & 100% Load	IS 1180 (Part 1) (Clause 21.2 c)
7	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Measurement of Voltage Ratio & Check of Phase Displacement	IS 1180 (Part 1) (Clause 21.2 b)
8	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Measurement of Winding Resistance	IS 1180 (Part 1) (Clause 21.2 a)
9	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	No Load Current at 112.5% Voltage	IS 1180 (Part 1) (Clause 21.4 c)
10	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Oil Leakage Test	IS 1180 (Part 1) (Clause 21.2 j)
11	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Pressure Test	IS 1180 (Part 1) (Clause 21.2 h)
12	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Separate Source Voltage Withstand Test	IS 1180 (Part 1) (Clause 21.2 g)
13	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers - Rating 63 kVA to 2500 kVA (upto 33 kV Class)	Temperature Rise Test	IS 1180 (Part 1) (Clause 21.3 b)
14	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (63 kVA to 2500 kVA, up to 33 kV Class)	Measurement of Winding Resistance	IS 2026 (Part 1) (Clause 10.1.1 a)
15	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (63 kVA to 2500 kVA, up to 33 kV Class)	Induced Over Voltage Withstand Test	IS 2026 (Part 3) (Clause 12)
16	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (63 kVA to 2500 kVA, up to 33 kV Class)	Measurement of No Load Loss and Current	IS 2026 (Part 1) (Clause 10.1.1 d)
17	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (63 kVA to 2500 kVA, up to 33 kV Class)	Measurement of No Load Loss and Current	IS 2026 (Part 1) (Clause 10.1.1 d)

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18	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (63 kVA to 2500 kVA, up to 33 kV Class)	Measurement of Insulation Resistance	IS 2026 (Part 1)
19	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (63 kVA to 2500 kVA, up to 33 kV Class)	Measurement of Short Circuit Impedance and Load Loss	IS 2026 (Part 1) (Clause 10.1.1 c)
20	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (63 kVA to 2500 kVA, up to 33 kV Class)	Measurement of Short Circuit Impedance and Load Loss	IS 2026 (Part 1) (Clause 10.1.1 c)
21	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (63 kVA to 2500 kVA, up to 33 kV Class)	Measurement of Voltage Ratio & Check of Phase Displacement	IS 2026 (Part 1) (Clause 10.1.1 b)
22	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (63 kVA to 2500 kVA, up to 33 kV Class)	Separate Source Voltage Withstand Test	IS 2026 (Part 3) (Clause 11)
23	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (63 kVA to 2500 kVA, up to 33 kV Class)	Temperature Rise Test	IS 2026 (Part 2) (Clause 4)
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Break Down Voltage	IS 6792
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Break Down Voltage	IS 1866
26	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Break Down Voltage	IS 335