National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN TRANSFORMERS AND ELECTRICALS PRIVATE LIMITED - TESTING LABORATORY, 38TH K.M. STONE, NH-8, BEHRAMPUR ROAD, SECTOR-34, GURGAON, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11548 **Page No** 1 of 2

Validity 11/04/2023 to 10/04/2025 **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 (upto 2500 kVA, 33 kV)	Impedance Voltage / Short Circuit Impedance and Load Loss	IS 1180 (Part 1, Cl. No. 21.2.c)
2	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers (upto 2500 kVA, 33 kV)	Induced Over Voltage Test	IS 1180 (Part 1, Cl. No. 21.2.f)
3	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers (upto 2500 kVA, 33 kV)	Insulation Resistance	IS 1180 (Part 1, Cl. No. 21.2.e)
4	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers (upto 2500 kVA, 33 kV)	No Load Loss and Current	IS 1180 (Part 1, Cl. No. 21.2.d)
5	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers (upto 2500 kVA, 33 kV)	Pressure Test	IS 1180 (Part 1, Cl. No. 21.2.h)
6	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers (upto 2500 kVA, 33 kV)	Separate Source Voltage Withstand Test	IS 1180 (Part 1, Cl. No. 21.2.g)
7	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers (upto 2500 kVA, 33 kV)	Voltage Ratio and Check of Voltage Vector Relationship / Phase Displacement	IS 1180 (Part 1, Cl. No. 21.2.b)
8	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution Transformers (upto 2500 kVA, 33 kV)	Winding Resistance Test	IS 1180 (Part 1, Cl. No. 21.2.a)
9	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Impedance Voltage / Short Circuit Impedance and Load Loss	IEC 60076 (Part 1, Cl. No. 11.1.2.1.c)
10	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Impedance Voltage / Short Circuit Impedance and Load Loss	IS 2026 (Part 1, Cl. No. 10.1.1.c)
11	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Induced Over Voltage Test	IEC 60076 (Part 1, Cl. No. 11.1.2.1.e)
12	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Induced Over Voltage Test	IS 2026 (Part 1, Cl. No. 10.1.1.e)
13	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Insulation Resistance	IEC 60076 (Part 1, Cl. No. 11.1.4.h)
14	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Insulation Resistance	IS 2026 (Part 1, Cl. No. 10.1.3.j)
15	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	No Load Loss and Current	IEC 60076 (Part 1, Cl. No. 11.1.2.1.d)
16	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	No Load Loss and Current	IS 2026 (Part 1, Cl. No. 10.1.1.d)
17	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Separate Source Voltage Withstand Test	IEC 60076 (Part 1, Cl. No. 11.1.2.1.e)

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18	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Separate Source Voltage Withstand Test	IS 2026 (Part 1, Cl. No. 10.1.1.e)
19	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Voltage Ratio and Check of Voltage Vector Relationship / Phase Displacement	IEC 60076 (Part 1, Cl. No. 11.1.2.1.b)
20	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Voltage Ratio and Check of Voltage Vector Relationship / Phase Displacement	IS 2026 (Part 1, Cl. No. 10.1.1.b)
21	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Winding Resistance Test	IEC 60076 (Part 1, Cl. No. 11.1.2.1.a)
22	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers (upto 5000 kVA, 33 kV)	Winding Resistance Test	IS 2026 (Part 1, Cl. No. 10.1.1.a)
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Breakdown Voltage	IS 1866
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Breakdown Voltage	IS 335
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Breakdown Voltage	IS 6792