National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory Name	AEP LABORATORY, PLOT NO. E-27, SITE-B, UPSIDC INDUSTRIAL AREA, SURAJPUR, GREATER NOIDA, GAUTAM BUDH NAGAR, UTTAR PRADESH , INDIA		
Accreditation Standard	ISO/IEC 17025:2005		
Certificate Number	TC-8448	Page No. :	1 / 4
Validity	22/04/2019 to 21/04/2021	Last Amended on	-

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Check of phase displacement	IS 1180 (Part 1): 2014	Qualitative(All vector groups)
2	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Induced AC voltage test	IS 1180 (Part 1): 2014	100 V to 990 V
3	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Measurement of insulation resistance	IS 1180 (Part 1): 2014	20 Mohms to 200 Gohms
4	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Measurement of load loss	IS 1180 (Part 1): 2014	30 W to 17 kW
5	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Measurement of no-load current	IS 1180 (Part 1): 2014	100 mA to 500 mA
6	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Measurement of no-load loss	IS 1180 (Part 1): 2014	30 W to 17 kW
7	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Measurement of short-circuit impedance	IS 1180 (Part 1): 2014	3 % to 10 %
8	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Measurement of voltage ratio	IS 1180 (Part 1): 2014	1 to 110
9	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Measurement of winding resistance	IS 1180 (Part 1): 2014	1 mohms to 1000 ohms

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10	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Separate source AC withstand test	IS 1180 (Part 1): 2014	3 kV to 100 kV
11	ELECTRICAL-INDUCTORS & TRANSFORMERS	Distribution transformers upto 33 kV, 2.5 MVA	Temperature-rise test	IS 1180 (Part 1): 2014	10 °C to 110 °C
12	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Check of phase displacement	IS 2026 (Part 1): 2011	Qualitative(All vector groups)
13	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Check of phase displacement	IEC 60076, (Part-1): 2011	Qualitative(All vector groups)
14	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Induced AC voltage test	IS 2026 (Part 3): 2009	4.5 kV to 22 kV
15	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Induced AC voltage test	IEC 60076 (Part 3): 2013	4.5 kV to 22 kV
16	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of insulation resistance	IS 2026 (Part 1): 2011	20 Mohms to 200 Gohms
17	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of insulation resistance	IEC 60076, (Part-1): 2011	20 Mohms to 200 Gohms
18	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of load loss	IEC 60076, (Part 1): 2011	9 kW to 36 kW

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19	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of load loss	IS 2026 (Part 1): 2011	9 kW to 36 kW
20	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of no-load current	IEC 60076, (Part 1): 2011	100 mA to 10 A
21	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of no-load current	IS 2026 (Part 1): 2011	100 mA to 10 A
22	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of no-load loss	IS 2026 (Part 1): 2011	1.8 kW to 9 kW
23	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of no-load loss	IEC 60076, (Part-1): 2011	1.8 kW to 9 kW
24	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of short-circuit impedance	IEC 60076, (Part-1): 2011	3 % to 10 %
25	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of short-circuit impedance	IS 2026 (Part 1): 2011	3 % to 10 %
26	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of voltage ratio	IS 2026 (Part 1): 2011	1 to 110
27	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of voltage ratio	IEC 60076 (Part 1): 2011	1 to 110

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28	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of winding resistance	IEC 60076, (Part-1): 2011	1 mohms to 1000 ohms
29	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Measurement of winding resistance	IS 2026 (Part 1): 2011	1 mohms to 1000 ohms
30	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Separate source AC withstand test	IS 2026 (Part 3): 2009	3 kV to 100 kV
31	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Separate source AC withstand test	IEC 60076 (Part 3): 2013	3 kV to 100 kV
32	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Temperature-rise test	IEC 60076 (Part-2): 2011	10 °C to 110 °C
33	ELECTRICAL-INDUCTORS & TRANSFORMERS	Power transformers upto 33 kV & 5 MVA	Temperature-rise test	IS 2026 (Part 2): 2016	10 °C to 110 °C