National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, PRAGATI ELECTRICALS PVT. LTD., PLOT NO. A-2/16, MIDC INDUSTRIAL AREA, MURBAD, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 17/03/2022 to 16/03/2024 **Last Amended on** 13/04/2022

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ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Determination of errors	IS 2705,Clause 7.2(Withdrawn standard) of Part 2,7.2.1 of Part 3, 9.1.2 (f) of Part 1
2	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Determination of Secondary winding resistance	IEC 61869-2,Clause 7.3.203
3	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Determination of Secondary winding resistance	IS 16227 (Part 2),Clause 7.3.203
4	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Determination of the Instrument Security Factor of measuring current transformers	IEC 61869-2 Clause 7.3.5 Annexure 2E,7.3.5.203
5	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Determination of the Instrument Security Factor of measuring current transformers	IS 16227 (Part 2) ,Clause 7.5.2
6	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Determination of the Instrument Security Factor of measuring current transformers	IS 2705,Clause 7.1.2 of Part 2 (Withdrawn standard)
7	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Interturn overvoltage test	IEC 61869-2,Clause 7.3.204 B
8	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Interturn overvoltage test	IS 16227 (Part 2) ,Clause 7.3.204 B
9	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Interturn overvoltage test	IS 2705,Clause 9.5.2(Withdrawn standard)
10	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Knee-point voltage and exciting current	IS 2705,Clause 6.1 of Part 4(Withdrawn standard)
11	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Measurement of Capacitance & Dissipation factor	IEC 61869-1 Clause 7.4.3
12	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Measurement of Capacitance & Dissipation factor	IS 16227 (Part 2) Clause 7.4.3
13	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Measurement of Capacitance & Dissipation factor	IS 2705,Clause 9.12 of Part 1
14	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Partial discharge test	IEC 61869-1 Clause 7.3.2
15	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Partial discharge test	IS 16227 (Part 1) Clause 7.3.2
16	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Partial discharge test	IS 2705,Clause 9.1.2 (e) of Part 1

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17	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Power frequency dry withstand tests on primary windings	IEC 61869-2,Clause 7.3.1
18	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Power frequency dry withstand tests on primary windings	IS 16227 (Part 2),Clause 7.3.1
19	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Power frequency dry withstand tests on primary windings	IS 2705,Clause 9.3 of Part 1
20	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Power frequency dry withstand tests on secondary windings	IEC 61869-1,Clause 7.3.4
21	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Power frequency dry withstand tests on secondary windings	IS 16227 (Part 1),Clause 7.3.4
22	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Power frequency dry withstand tests on secondary windings	IS 2705,Clause 9.4 of Part 1
23	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Power frequency voltage withstand tests between sections	IEC 61869-1 Clause 7.3.3
24	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Power frequency voltage withstand tests between sections	IS 16227(Part 1) Clause 7.3.3
25	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Secondary winding resistance	IS 2705, Clause 6.2 of Part 4(Withdrawn standard)
26	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Temperature coefficient test	IEEMA 22, Clause 8.b
27	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Temperature rise test	IEC 61869-2,Clause 7.2.2
28	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Temperature rise test	IS 16227 (Part 2) Clause 7.2.2
29	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Temperature rise test	IS 2705,Clause 9.7 of Part 1
30	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Test for Composite error of Class P & PR protective current transformers	IEC 61869-2,Clause 7.2.6.202
31	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Test for Composite error of Class P & PR protective current transformers	IS 16227 (Part 2) Clause 7.2.6.202
32	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Test for Composite error of Class P & PR protective current transformers	IS 2705 Clause 7.2.2 of Part 3(Withdrawn standard)
33	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Test for rated Knee point e.m.f. and exciting current	IEC 61869-2,Clause 7.3.203

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34	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Test for rated Knee point e.m.f. and exciting current	IS 16227 (Part 2),Clause 7.3.203
35	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Test for Turns ratio error	IEC 61869-2 Clause 7.3.5.206
36	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Test for Turns ratio error	IS 16227 (Part 2) Clause 7.3.206
37	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Tests for accuracy	IEC 61869-2,Clause 7.3.5and Annexure 2E
38	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Tests for Accuracy	IS 16227 (Part 2) Clause 7.3.5 and Annexure 2E
39	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Thermal Stability test	IEEMA 22, Clause 8.a
40	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Turns ratio	IS 2705,Clause 6.3 of Part 4(Withdrawn standard)
41	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Verification of markings	IEC 61869-1 Clause 7.3.6
42	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Verification of markings	IS 16227(Part 1) Clause 7.3.6
43	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers upto 132kV, 4000A	Verification of terminal marking and polarity	IS 2705,Clause 9.2 of Part 1
44	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Determination of errors	IS 3156,Clause 8.2 of Part 2,10.1.2,10.2.2 of Part 3, 9.1.2(e) of part 1,Clause 4,5,6,7,8,9 and 10 of part 3(Withdrawn standard)
45	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Measurement of capacitance dielectric dissipation factor	IEC 61869-3 Clause 7.4.3
46	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Measurement of capacitance dielectric dissipation factor	IS 16227 (Part 1) Clause 7.4.3
47	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Partial discharge measurement	IS 16227 (Part 3) Clause 7.3.2
48	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power frequency dry withstand tests on secondary windings	IS 16227 (Part 3) Clause 7.3.4
49	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power frequency dry withstand tests on secondary windings	IS 3156,Clause 9.4 of Part 1(Withdrawn standard)
50	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power frequency dry withstand tests on secondary windings	IEC 61869-3 Clause 7.3.4

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51	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power frequency voltage withstand tests between sections	IEC 61869-1 Clause 7.3.3
52	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power frequency voltage withstand tests between sections	IS 16627 (Part 1) Clause 7.3.3
53	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power-frequency withstand tests on primary windings (Induced)	IS 16227 (Part 3) Clause 7.3.2
54	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power-frequency withstand tests on primary windings (Induced)	IS 3156,Clause 9.3.1.2 or 9.3.2.2 of Part 1(Withdrawn standard)
55	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power-frequency withstand tests on primary windings (separate source)	IS 16227 (Part 3)Clause 7.3.1.302
56	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power-frequency withstand tests on primary windings (separate source)	IS 3156,Clause 9.3.1.1 or 9.3.2.1 of Part 1(Withdrawn standard)
57	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power-frequency withstand tests on primary windings (Induced)	IEC 61869-3 Clause 7.3.1.303
58	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Power-frequency withstand tests on primary windings (separate source)	IEC 61869-3 Clause 7.3.1.302
59	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Temperature rise test	IEC 61869-3 Clause 7.2.2
60	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Temperature rise test	IS 16227 (Part 3) Clause 7.2.2
61	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Temperature rise test	IS 3156,Clause 9.5 of Part 1
62	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Test for accuracy	IEC 61869-3 Clause 7.3.5
63	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Test for Accuracy	IS 16227 (Part 3) Clause 7.3.5
64	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Verification of markings	IEC 61869-1 Clause 7.3.6
65	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Verification of markings	IS 16227 (Part 1) Clause 7.3.6
66	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers upto 132 kV	Verification of terminal marking and polarity	IS 3156,Clause 9.2 of Part 1

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67	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage Voltage transformers upto 132 kV	Partial discharge measurement	IEC 61869-3 Clause 7.3.2
68	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage Voltage transformers upto 132 kV	Partial discharge measurement	IS 3156, Clause 9.1.2(d)(Withdrawn standard)