National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRICAL STAMPINGS MANUFACTURERS (ELECTRICAL LABORATORY), B-16A, INDUSTRIAL AREA, SITE NO.-3, MEERUT ROAD, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 17/03/2022 to 16/03/2024 **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-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Composite Error (Class P & PR)	IEC 61869-2, Cl. 7.3.5.203
2	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Composite Error (Class P & PR)	IS 16227 (Part 2), Cl.7.3.5.203
3	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Determination of Secondary Winding Resistance	IEC 61869-2, Cl. 7.3.201
4	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Determination of Secondary Winding Resistance	IS 16227 (Part 2), Cl. 7.3.201
5	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Error at limiting conditions (Class TPX, TPY & TPZ)	IEC 61869-2, Cl. 7.3.5.205
6	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Error at limiting conditions (Class TPX, TPY & TPZ)	IS 16227 (Part 2), Cl. 7.3.5.205
7	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Instrument Security Current test & Instrument Security factor	IEC 61869-2, Cl. 7.2.6.202
8	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Instrument Security Current test & Instrument Security factor	IS 16227 (Part 2), Cl. 7.2.6.202
9	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Measurement of Capacitance & Tan Delta	IEC 61869-1, Cl. 7.4.3
10	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Measurement of Capacitance & Tan Delta	IEC 61869-2, Cl. 7.4.3

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11	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Measurement of Capacitance & Tan Delta	IS 16227 (Part 2), Cl. 7.4.3
12	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Over-voltage inter-turn test	IEC 61869-2, Cl. 7.3.204
13	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Over-voltage inter-turn test	IS 16227 (Part 2), Cl.7.3.204
14	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Partial Discharge Measurement test	IEC 61869-1, Cl. 7.3.2
15	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Partial Discharge Measurement test	IS 16227 (Part 1), Cl. 7.3.2
16	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Power frequency voltage withstand on primary terminals	IEC 61869-1, Cl. 7.3.1
17	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Power frequency voltage withstand on primary terminals	IEC 61869-2, Cl. 7.3.1
18	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Power frequency voltage withstand on primary terminals	IS 16227 (Part 1 & 2) Cl. 7.3.1
19	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Power frequency voltage withstand tests on between sections	IEC 61869-1, Cl. 7.3.3 & 5.3.4
20	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Power frequency voltage withstand tests on between sections	IS 16227 (Part 1 & 2), Cl. 7.3.3
21	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Power frequency voltage withstand tests on Secondary terminals	IEC 61869-1, Cl. 7.3.4 & 5.3.5

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22	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Power frequency voltage withstand tests on Secondary terminals	IS 16227 (Part 1 & 2), Cl. 7.3.4
23	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Temperature Coefficient Test	IEEMA-22 Clause-8 Para-a
24	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Temperature Rise Test	IEC 61869-1, Cl. 7.2.2
25	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Temperature Rise Test	IEC 61869-2, Cl-7.2.2
26	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Temperature Rise Test	IS 16227 (Part 2), Cl 7.2.2
27	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Test for Accuracy-Error & Phase Displacement for Measuring CT	IEC 61869-2, Cl. 7.3.5.201
28	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Test for Accuracy-Ratio Error & Phase Displacement for Measuring CT	IS 16227 (Part 2), Cl 7.3.5.201
29	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Test for Accuracy-Ratio Error & Phase Displacement for Protective CT (Class P & PR)	IEC 61869-2, Cl. 7.3.5.202
30	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Test for Accuracy-Ratio Error & Phase Displacement for Protective CT (Class P & PR)	IS 16227 (Part 2), Cl 7.3.5.202
31	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Test for Accuracy-Ratio Error & Phase Displacement for Protective CT (Class TPX,TPY & TPZ)	IEC 61869-2, Cl. 7.3.5.204
32	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Test for Accuracy-Ratio Error & Phase Displacement for Protective CT (Class TPX,TPY & TPZ)	IS 16227 (Part 2), Cl 7.3.5.204

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33	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Test for rated Knee-Point Voltage e.m.f. (Ek) and Exciting Current at Ek	IEC 61869-2, Cl. 7.3.203
34	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Test for rated Knee-Point Voltage e.m.f. (Ek) and Exciting Current at Ek	IS 16227 (Part 2), Cl 7.3.203
35	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Thermal Stability Test	IEEMA-22, Clause-8 Para-a
36	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Turn Ratio Error (Class PX & PXR)	IEC 61869-2, Cl. 7.3.5.206
37	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Turn Ratio Error (Class PX & PXR)	IS 16227 (Part 2), Cl 7.3.5.206
38	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Verification of marking	IEC 61869-1, Cl. 7.3.6
39	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers up to 400kV Class	Verification of marking	IS 16227 (Part 2), Cl 7.3.6
40	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Partial Discharge Measurement Test	IEC 61869-1, Cl. 7.3.2
41	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Partial Discharge Measurement Test	IEC 61869-3, Cl 7.3.2
42	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Partial Discharge Measurement Test	IS 16227 (Part 3), Cl. 7.3.2
43	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Power frequency voltage withstand tests on between sections	IS 16227 (Part 3), Cl 7.3.1

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44	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Power frequency voltage withstand tests on Primary Terminals	IEC 61869-1, Cl 7.3.1
45	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Power frequency voltage withstand tests on Primary Terminals	IEC 61869-3, Cl. 7.3.1
46	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Power frequency voltage withstand tests on Primary Terminals	IS 16227 (Part 3), Cl 7.3.1
47	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Dielectric Dissipation Factor & Capacitance Test	IEC 61869-1, Cl 7.4.3
48	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Dielectric Dissipation Factor & Capacitance Test	IEC 61869-3, Clause-7.4.3
49	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Dielectric Dissipation Factor & Capacitance Test	IS:16227(Part 3), Cl 7.4.3
50	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Induced A.C. voltage withstand test on primary winding	IEC 61869-3, Cl. 7.3.1.303
51	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Induced A.C. voltage withstand test on primary winding	IS 16227(Part 3), Cl 7.3.1.303
52	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Power frequency voltage withstand tests on between sections	IEC 61869-1, Cl. 7.3.3
53	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Power frequency voltage withstand tests on Secondary terminals	IEC 61869-1, Cl. 7.3.4
54	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Power frequency voltage withstand tests on Secondary terminals	IS 16227 (Part 3), Cl 7.3.4

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55	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Short-circuit withstand capability Test	IEC 61869-3, Cl 7.2.301, 7.2.6.301
56	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Short-circuit withstand capability Test	IS 16227 (Part 3), Cl. 7.2.301,7.2.6.301
57	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Temperature Rise Test	IEC 61869-1,Cl.7.2.2 & 6.4.1
58	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Temperature Rise Test	IEC 61869-3,Cl. 7.2.2
59	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Temperature Rise Test	IS 16227(Part 3), Cl 7.2.2
60	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Test for Accuracy-Ratio Error & Phase Displacement of Measuring PT	IEC 61869-1, Cl 7.3.5
61	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Test for Accuracy-Ratio Error & Phase Displacement of Measuring PT	IS 16227 (Part 3), Cl. 7.3.5.301
62	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Test for Accuracy-Ratio Error & Phase Displacement of Measuring PT	IEC 61869-3, Cl. 7.3.5.301
63	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Test for Accuracy-Ratio Error & Phase Displacement of Protective PT	IEC 61869-1, Cl 7.3.5
64	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Test for Accuracy-Ratio Error & Phase Displacement of Protective PT	IEC 61869-3, Cl. 7.3.5.302
65	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Test for Accuracy-Ratio Error & Phase Displacement of Protective PT	IS 16227(Part 3), Cl 7.3.5.302

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66	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Verification of marking	IEC 61869-1, Cl 7.3.6
67	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Verification of marking	IEC 61869-3, Cl. 7.3.6
68	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer up to 220kV Class (Single Phase)	Verification of marking	IS 16227(Part 3), Cl 7.3.6