National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, SONA ELECTRICALS, 82 A, SECTOR H, INDUSTRIAL AREA, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 03/01/2022 to 02/01/2024 **Last Amended on** 25/02/2022

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-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Over Voltage interturn test on CT Circuit	IS 16227 (Part 4)
2	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	CT secondary winding resistance	IS 16227 (Part 2)
3	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Instrument Security Current test	IS 16227 (Part 2)
4	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for VT	IS 16227 (Part 4)
5	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Phase Displacement) for CT	IS 16227 (Part 2)
6	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Phase Displacement) for VT	IEC 61869-3
7	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Phase Displacement) for VT	IS 16227 (Part 4)

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9	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Differential mode (Induced) AC Voltage test on primary terminals (Unearth/Earthed VT)	IEC 61869-4
10	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Differential mode (Induced) AC Voltage test on primary terminals (Unearth/Earthed VT)	IS 16227 (Part 4)
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12	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Instrument Security Current test	IEC 61869-2
13	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Instrument Security Current test	IEC 61869-4
14	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Instrument Security Current test	IEC 61869-4

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16	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Instrument Security Current test	IS 16227 (Part 4)
17	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Instrument Security Current test	IS 16227 (Part 4)
18	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Over Voltage interturn test on CT Circuit	IEC 61869-4
19	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Over Voltage interturn test on CT Circuit	IS 16227 (Part 4)
20	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on primary terminals (with earthed VT)	IEC 61869-4
21	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on primary terminals (with earthed VT)	IS 16227 (Part 1)

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23	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on secondary terminals	IEC 61869-4
24	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for CT	IEC 61869-2
25	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for CT	IEC 61869-4
26	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for CT	IS 16227 (Part 2)
27	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for CT	IS 16227 (Part 4)
28	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for VT	IEC 61869-3

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29	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for VT	IEC 61869-4
30	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for VT	IS 16227 (Part 3)
31	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Phase Displacement) for CT	IEC 61869-2
32	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Phase Displacement) for CT	IEC 61869-4
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34	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Phase Displacement) for VT	IEC 61869-4
35	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Phase Displacement) for VT	IS 16227 (Part 3)

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36	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Verification of terminal marking and polarity (Qualitative Test)	IEC 61869-4
37	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Verification of terminal marking and polarity (Qualitative Test)	IS 16227 (Part 4)
38	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	CT secondary winding resistance	IS 2705 (Part 2) (Withdrawn Standard)
39	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Differential mode (Induced) AC Voltage test on primary terminals (Unearth/Earthed VT)	IS 3156 (Part 1) (Withdrawn Standard)
40	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Instrument Security Current test	IS 2705 (Part 2) (Withdrawn Standard)
41	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Instrument Security Current test	IS 2705 (Part 2) (Withdrawn Standard)
42	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Over Voltage interturn test on CT Circuit	IS 2705 (Part 2) (Withdrawn Standard)

SCOPE OF ACCREDITATION

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Certificate Number	TC-6687	**Page No**	7 of 17
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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
43	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on primary terminals (with earthed VT)	IS 2705 (Part 1)
44	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on primary terminals (with earthed VT)	IS 3156 (Part 1) (Withdrawn Standard)
45	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on primary terminals (with unearth VT)	IS 16227 (Part 1)
46	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on primary terminals (with unearth VT)	IS 2705 (Part 1)
47	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on primary terminals (with unearth VT)	IS 3156 (Part 1) (Withdrawn Standard)
48	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on secondary terminals	IS 16227 (Part 1)
49	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on secondary terminals	IS 2705 (Part 1)

SCOPE OF ACCREDITATION

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Certificate Number	TC-6687	**Page No**	8 of 17
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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
50	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Power frequency dry withstand test on secondary terminals	IS 3156 (Part 1) (Withdrawn Standard)
51	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for CT	IS 2705 (Part 2) (Withdrawn Standard)
52	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for VT	IS 3156 (Part 2) (Withdrawn Standard)
53	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for VT	IS 3156 (Part 2) (Withdrawn Standard)
54	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Ratio Error) for VT	IS 3156 (Part 2) (Withdrawn Standard)
55	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Phase Displacement) for CT	IS 2705 (Part 2) (Withdrawn Standard)
56	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Test for Accuracy (Phase Displacement) for VT	IS 3156 (Part 2) (Withdrawn Standard)

SCOPE OF ACCREDITATION

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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
57	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Verification of terminal marking and polarity (Qualitative Test)	IS 2705 (Part 1)
58	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Verification of terminal marking and polarity (Qualitative Test)	IS 3156 (Part 1) (Withdrawn Standard)
59	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Verification of terminal marking and polarity (Qualitative Test)	IS 3156 (Part 1) (Withdrawn Standard)
60	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Combined CTVT Metering Unit Alias Combined CTPT Metering Unit Primary Current: 1 A-2000 A Secondary Current: 1 or 5 A Primary Rated Voltage: 6.6 kV to 33 kV Secondary Rated voltage: 110 V or 63.5 V CT Accuracy: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S PT Accuracy: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3	Verification of terminal marking and polarity (Qualitative Test)	IS 3156 (Part 2) (Withdrawn Standard)
61	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of current Phase Displacement	IEC 61869-2
62	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Knee point voltage and exciting current	IEC 61869-2
63	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Over Voltage interturn test	IEC 61869-2
64	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Over Voltage interturn test	IS 16227 (Part 2)
65	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Secondary winding resistance	IEC 61869-2

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66	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Secondary winding resistance	IS 16227 (Part 2)
67	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Verification of terminal marking and polarity (Qualitative Test)	IEC 61869-2
68	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of current Phase Displacement	IS 2705 (Part 2) (Withdrawn Standard)
69	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of current ratio error	IS 2705 (Part 2) (Withdrawn Standard)
70	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Over Voltage interturn test	IS 2705 (Part 1)
71	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Power frequency dry withstand test on secondary terminals	IEC 61869-1
72	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of Composite Error	IEC 61869-2
73	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of current Phase Displacement	IS 16227 (Part 2)
74	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of current ratio error	IEC 61869-2
75	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Instrument Security Current test	IEC 61869-2
76	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Instrument Security Current test	IS 16227 (Part 2)

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77	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Knee point voltage and exciting current	IS 16227 (Part 2)
78	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Turn ratio test – Current Error Measurement	IEC 61869-2
79	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Verification of terminal marking and polarity (Qualitative Test)	IS 16227 (Part 2)
80	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Instrument Security Current test	IS 2705 (Part 2) (Withdrawn Standard)
81	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Knee point voltage and exciting current	IS 2705 (Part 4) (Withdrawn Standard)
82	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Power frequency dry withstand test on secondary terminals	IS 2705 (Part 1)
83	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Turn ratio test – Current Error Measurement	IS 2705 (Part 4) (Withdrawn Standard)
84	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of Composite Error	IS 16227 (Part 2)
85	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of current ratio error	IS 16227 (Part 2)
86	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Instrument Security Current test	IEC 61869-2
87	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Instrument Security Current test	IS 16227 (Part 2)

SCOPE OF ACCREDITATION

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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
88	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Knee point voltage and exciting current	IEC 61869-2
89	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Knee point voltage and exciting current	IEC 61869-2
90	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Knee point voltage and exciting current	IS 16227 (Part 2)
91	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Knee point voltage and exciting current	IS 16227 (Part 2)
92	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Power frequency dry withstand test on secondary terminals	IS 16227 (Part 2)
93	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Turn ratio test – Current Error Measurement	IS 16227 (Part 2)
94	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of current Phase Displacement	IS 2705 (Part 3) (Withdrawn Standard)
95	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of current ratio error	IS 2705 (Part 3) (Withdrawn Standard)
96	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Instrument Security Current test	IS 2705 (Part 2) (Withdrawn Standard)
97	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Knee point voltage and exciting current	IS 2705 (Part 4) (Withdrawn Standard)
98	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Knee point voltage and exciting current	IS 2705 (Part 4) (Withdrawn Standard)

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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
99	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Secondary winding resistance	IS 2705 (Part 2) (Withdrawn Standard)
100	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Verification of terminal marking and polarity (Qualitative Test)	IS 2705 (Part 1)
101	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Determination of Composite Error	IS 2705 (Part 3) (Withdrawn Standard)
102	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) upto 33kV rated voltage Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Power frequency dry withstand test on primary terminals	IS 16227 (Part 1)
103	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) upto 33kV rated voltage Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Power frequency dry withstand test on primary terminals	IEC 61869-1
104	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer (CT) upto 33kV rated voltage Primary rated current: 1-2000A Secondary rated current: 1 or 5A Measuring Class: 0.1, 0.2, 0.5, 1.0, 3, 0.2S, 0.5S Protection Class: 5P, 10P, 15P Special Purpose Protection Class - Class PX (Class PS)	Power frequency dry withstand test on primary terminals	IS 2705 (Part 1)
105	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (PT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV,33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on primary terminals Subdivisions as under:- Common mode (Separate source) withstand test on primary terminals (a) For Unearthed VT	IS 16227 (Part 3)
106	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Determination of Phase Displacement	IEC 61869-3

SCOPE OF ACCREDITATION

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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
107	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on primary terminals-Common mode (separate source) withstand test - for Earthed VT	IEC 61869-3
108	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on primary terminals-Common mode (separate source) withstand test - for Earthed VT	IS 16227 (Part 3)
109	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on primary terminals-Common mode (separate source) withstand test - for Unearth VT	IS 16227 (Part 2)
110	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Determination of Phase Displacement	IS 16227 (Part 3)
111	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Determination of Voltage (Ratio) error	IEC 61869-3
112	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Determination of Voltage (Ratio) error	IS 16227 (Part 3)
113	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on primary terminals-Common mode (separate source) withstand test - for Unearth VT	IEC 61869-3

SCOPE OF ACCREDITATION

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114	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on primary terminals-Differential mode (Induced) AC Voltage test for Unearth/Earthed VT	IEC 61869-3
115	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on primary terminals-Differential mode (Induced) AC Voltage test for Unearth/Earthed VT	IS 16227 (Part 3)
116	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on secondary terminals	IEC 61869-3
117	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on secondary terminals	IS 16227 (Part 3)
118	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Verification of terminal marking and polarity	IEC 61869-3
119	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Verification of terminal marking and polarity	IS 16227 (Part 3)
120	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Determination of Phase Displacement	IS 3156 (Part 1) (Withdrawn Standard)

SCOPE OF ACCREDITATION

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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
121	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Determination of Phase Displacement	IS 3156 (Part 2) (Withdrawn Standard)
122	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Determination of Phase Displacement	IS 3156 (Part 3) (Withdrawn Standard)
123	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Determination of Voltage (Ratio) error	IS 3156 (Part 1) (Withdrawn Standard)
124	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Determination of Voltage (Ratio) error	IS 3156 (Part 2) (Withdrawn Standard)
125	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Determination of Voltage (Ratio) error	IS 3156 (Part 3) (Withdrawn Standard)
126	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on primary terminals-Common mode (separate source) withstand test - for Earthed VT	IS 3156 (Part 1) (Withdrawn Standard)
127	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on primary terminals-Common mode (separate source) withstand test - for Unearth VT	IS 3156 (Part 1) (Withdrawn Standard)

SCOPE OF ACCREDITATION

Laboratory Name :	TESTING LABORATORY, SONA ELECTRICALS, 82 A, SECTOR H, INDUSTRIAL AREA, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6687	**Page No**	17 of 17
Validity	03/01/2022 to 02/01/2024	**Last Amended on**	25/02/2022

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
128	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on primary terminals-Differential mode (Induced) AC Voltage test for Unearth/Earthed VT	IS 3156 (Part 1) (Withdrawn Standard)
129	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Power frequency dry withstand test on secondary terminals	IS 3156 (Part 1) (Withdrawn Standard)
130	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Verification of terminal marking and polarity	IS 3156 (Part 1) (Withdrawn Standard)
131	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Verification of terminal marking and polarity	IS 3156 (Part 2) (Withdrawn Standard)
132	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage Transformer (VT) Alias Potential Transformer (VT) Primary Rated Voltage: 6.6kV -11kV- 22kV - 33kV ; 6.6kV -11kV- 22kV - 33kV v3 v3 v3 v3 Secondary voltage : 110 V or 63.5 V Accuracy Class:- Measuring Class: 11kV, 22kV, 33kV PTs: 0.1, 0.2, 0.5, 1.0, 3 6.6kVPTs: 0.2, 0.5, 1.0, 3 Protection Class: 3P, 6P	Verification of terminal marking and polarity	IS 3156 (Part 3) (Withdrawn Standard)