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### **SCOPE OF ACCREDITATION**

C AND I CALIBRATIONS PVT. LTD., J-448,SITAPURA INDUSTRIAL AREA, JAIPUR, RAJASTHAN , INDIA Laboratory Name

ISO/IEC 17025:2017 **Accreditation Standard** 

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Last Amended on Validity 30/11/2019 to 29/11/2021

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 I	Facility	
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and VArhour Meter Class 1 & Class 21 Phase and 3 Phase Active &Reactive	Ac Voltage Test	IS 15884, CI 5.4.6.3: 2010
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Verification of Average Frequency Slot	Central Electricity AuthorityNotification No:502/70/CEA/DP&D: 2006
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Verification of Reactive Energy Registration in Total, Low and High Varh Registers	Central Electricity Authority Notification No:502/70/CEA/DP&D: 2006
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Initial Startup of Energy Meter	IS 15884, CI : 4.6.4.1: 2010
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Insulation Resistance Test	IS 15884, CI 5.4.6.4: 2010





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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
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Power Consumption	ls 15884, CI : 5.4.1: 2010
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Limits of Error	IS 15884, CI 4.6.1: 2010
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and Var-hour meters (class 1 & 2) (Energy meters)	Test of Meter Constant	IS 15884, CI : 5.6.5: 2010
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of No Load Condition	IS 15884, CI : 5.6.3: 2010
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Repeatability of Error	IS 15884, CI : 5.6.7: 2010
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Starting Condition	IS 15884, CI: 5.6.4: 2010





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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
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	AC Voltage Test	IS 13779 : CI No.12.7.6.3: 1999
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Initial start-up of the energy meter	IS 13779 : Clause 11.4.1: 1999
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Insulation Resistance Test	IS 13779 : Clause 12.7.6.4: 1999
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Meter Constant	IS 13779 : Clause 11.6: 1999
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of No-load Condition	IS 13779 : Clause 12.13: 1999
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Power Consumption	IS 13779 : Cl.No.9.1: 1998





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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
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Repeatability of error	IS 13779 : Clause 12.17: 1999
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Starting Conditions	IS 13779 : Clause 12.14: 1999
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test on Limits of Errors	IS 13779 : Clause 11.1: 1999
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s) (Energy meters)	AC Voltage Test	IEC 62053-22 : Clause 7.4: 2003
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s) (Energy meters)	Limits of Errors	IEC 62053-22 : Clause 8.1: 2003
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s) (Energy meters)	No-load Condition	IEC 62053-22 : Clause 8.3.2: 2003





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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
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s) (Energy meters)	Power Consumption	IEC 62053-22 : Clause 7.1: 2003
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s) (Energy meters)	Starting Conditions	IEC 62053-22 : Clause 8.3.3: 2003
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s, 1 & 2) (Energy meters)	Meter Constant	IEC 62053-22 : Clause 8.4: 2003
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s, 1 & 2) (Energy meters)	Initial start-up of the energy meter	IEC 62053-21 : Clause 8.3.1: 2003
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s, 1 & 2) (Energy meters)	Initial start-up of the energy meter	IEC 62053-022 : Clause 8.3.1: 2003
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	AC Voltage Test	IEC 62053-21 : Clause 7.4: 2003





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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
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	Limits of Errors	IEC 62053-21: Clause 8.1: 2003
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	Meter Constant	IEC 62053-21 : Clause 8.1: 2003
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	No-load Condition	IEC 62053-21 : clause 8.3.2: 2003
33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	Power Consumption	IEC 62053-21 : Clause 7.1: 2003
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	Starting Conditions	IEC 62053-21 : Clause 8.3.3: 2003
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	AC Voltage Test	IS 14697 : Clause 12.7.6.3: 1999





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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
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Initial start-up of the energy meter	IS 14697 : Clause 11.4.1: 1999
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Insulation Resistance Test	IS 14697 : Clause 12.7.6.4: 1999
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Test of No-load Condition	IS 14697 : Clause 12.12: 1999
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Test of Repeatability of error	IS 14697 : Clause 12.16: 1999
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Test of Starting Conditions	IS 14697 : Clause 12.13: 1999
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Test on Limits of Errors	IS 14697 : Clause 11.1: 1999





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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
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s, 1 & 2) (Energy meters)	Test of Meter Constant	IS 14697 : Clause 12.14: 1999
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s, 1 & 2) (Energy meters)	Test of Power Consumption	IS 14697 : Clause 9.1: 1999
44	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1 A – 3200 A / 5 – 1A	Limits of current error and phase displacement	IS 16227(Part-2) : Cl.No.7.3.5: 2016
45	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1 A – 3200 A / 5 – 1A	Limits of current error and phase displacement	IS 16227(Part-1) : CI. No.7.3.5: 2016
46	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1 A – 3200 A / 5 – 1A	Verification of Terminal Marking & Polarity	IS 16227(Part-1) : CI. No.7.3.6: 2016
47	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1 A – 3200 A / 5 – 1A	Verification of Terminal Marking & Polarity	IS 16227(Part-2) :CI.No.7.3.6: 2016
48	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer1 A – 3200 A / 5 – 1A	Limits of current error and phase displacement	IEC 60044-1 : Clause 11.1 & 11.2IEC 61869- 1 : 2007IEC 61869-2 : 2012IEC 61869-4 : 2013: 2003





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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
49	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer1 A – 3200 A / 5 – 1A	Verification of Terminal Marking & Polarity	IEC 60044-1 : Clause 10.1IEC 61869-1 : 2007IEC 61869-2 : 2012IEC 61869-4 : 2013: 2003
50	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer1 A – 3200 A / 5 – 1A	Limits of current error and phase displacement	IS-2705 (part 2) : Clause 3.3: 1992
51	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer1 A – 3200 A / 5 – 1A	Verification of Terminal Marking & Polarity	IS-2705 (part 1) : Clause 8.2 : 1992





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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
		Site Facility		
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and VArhour Meter Class 1 & Class 21 Phase and 3 Phase Active &Reactive	Ac Voltage Test	IS 15884, CI 5.4.6.3: 2010
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Verification of Average Frequency Slot	Central Electricity AuthorityNotification No:502/70/CEA/DP&D: 2006
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Verification of Reactive Energy Registration in Total, Low and High Varh Registers	Central Electricity Authority Notification No:502/70/CEA/DP&D: 2006
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Initial Startup of Energy Meter	IS 15884, CI : 4.6.4.1: 2010
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Insulation Resistance Test	IS 15884, CI 5.4.6.4: 2010





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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
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Power Consumption	ls 15884, CI : 5.4.1: 2010
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Limits of Error	IS 15884, CI 4.6.1: 2010
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and Var-hour meters (class 1 & 2) (Energy meters)	Test of Meter Constant	IS 15884, CI : 5.6.5: 2010
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of No Load Condition	IS 15884, CI : 5.6.3: 2010
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Repeatability of Error	IS 15884, CI : 5.6.7: 2010
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Starting Condition	IS 15884, CI: 5.6.4: 2010





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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
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	AC Voltage Test	IS 13779 : CI No.12.7.6.3: 1999
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Initial start-up of the energy meter	IS 13779 : Clause 11.4.1: 1999
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Insulation Resistance Test	IS 13779 : Clause 12.7.6.4: 1999
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Meter Constant	IS 13779 : Clause 11.6: 1999
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of No-load Condition	IS 13779 : Clause 12.13: 1999
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Power Consumption	IS 13779 : Cl.No.9.1: 1998





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18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Repeatability of error	IS 13779 : Clause 12.17: 1999
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test of Starting Conditions	IS 13779 : Clause 12.14: 1999
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 1 & 2) (Energy meters)	Test on Limits of Errors	IS 13779 : Clause 11.1: 1999
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s) (Energy meters)	AC Voltage Test	IEC 62053-22 : Clause 7.4: 2003
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s) (Energy meters)	Limits of Errors	IEC 62053-22 : Clause 8.1: 2003
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s) (Energy meters)	No-load Condition	IEC 62053-22 : Clause 8.3.2: 2003





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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
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s) (Energy meters)	Power Consumption	IEC 62053-22 : Clause 7.1: 2003
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s) (Energy meters)	Starting Conditions	IEC 62053-22 : Clause 8.3.3: 2003
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s, 1 & 2) (Energy meters)	Meter Constant	IEC 62053-22 : Clause 8.4: 2003
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s, 1 & 2) (Energy meters)	Initial start-up of the energy meter	IEC 62053-21 : Clause 8.3.1: 2003
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 0.2s, 0.5s, 1 & 2) (Energy meters)	Initial start-up of the energy meter	IEC 62053-022 : Clause 8.3.1: 2003
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	AC Voltage Test	IEC 62053-21 : Clause 7.4: 2003





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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
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	Limits of Errors	IEC 62053-21: Clause 8.1: 2003
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	Meter Constant	IEC 62053-21 : Clause 8.1: 2003
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	No-load Condition	IEC 62053-21 : clause 8.3.2: 2003
33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	Power Consumption	IEC 62053-21 : Clause 7.1: 2003
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Watthour and Var-hour meters (Class 1 & 2) (Energy meters)	Starting Conditions	IEC 62053-21 : Clause 8.3.3: 2003
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	AC Voltage Test	IS 14697 : Clause 12.7.6.3: 1999





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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
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Initial start-up of the energy meter	IS 14697 : Clause 11.4.1: 1999
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Insulation Resistance Test	IS 14697 : Clause 12.7.6.4: 1999
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Test of No-load Condition	IS 14697 : Clause 12.12: 1999
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Test of Repeatability of error	IS 14697 : Clause 12.16: 1999
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Test of Starting Conditions	IS 14697 : Clause 12.13: 1999
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s) (Energy meters)	Test on Limits of Errors	IS 14697 : Clause 11.1: 1999





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42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s, 1 & 2) (Energy meters)	Test of Meter Constant	IS 14697 : Clause 12.14: 1999
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour and var-hour meters (class 0.2s, 0.5s, 1 & 2) (Energy meters)	Test of Power Consumption	IS 14697 : Clause 9.1: 1999
44	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1 A – 3200 A / 5 – 1A	Limits of current error and phase displacement	IS 16227(Part-2) : Cl.No.7.3.5: 2016
45	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1 A – 3200 A / 5 – 1A	Limits of current error and phase displacement	IS 16227(Part-1) : CI. No.7.3.5: 2016
46	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1 A – 3200 A / 5 – 1A	Verification of Terminal Marking & Polarity	IS 16227(Part-1) : CI. No.7.3.6: 2016
47	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1 A – 3200 A / 5 – 1A	Verification of Terminal Marking & Polarity	IS 16227(Part-2) :CI.No.7.3.6: 2016
48	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer1 A – 3200 A / 5 – 1A	Limits of current error and phase displacement	IEC 60044-1 : Clause 11.1 & 11.2IEC 61869- 1 : 2007IEC 61869-2 : 2012IEC 61869-4 : 2013: 2003





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49	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer1 A – 3200 A / 5 – 1A	Verification of Terminal Marking & Polarity	IEC 60044-1 : Clause 10.1IEC 61869-1 : 2007IEC 61869-2 : 2012IEC 61869-4 : 2013: 2003
50	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer1 A – 3200 A / 5 – 1A	Limits of current error and phase displacement	IS-2705 (part 2) : Clause 3.3: 1992
51	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer1 A – 3200 A / 5 – 1A	Verification of Terminal Marking & Polarity	IS-2705 (part 1) : Clause 8.2 : 1992