National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	MPS ELECTRICAL TEST LABORATORY, SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED, MYSORE CAMPUS, KIADB INDUSTRIAL AREA, HEBBAL, HOOTAGALLI, MYSORE, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5740	**Page No**	1 of 34
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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
Permanent Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class 1 &2)	General and constructional Requirements - (Cl 6.0 Verification of Meter Case (Cl 6.2), Window (Cl 6.3) Terminals, Terminal block(s) and protective Earth Terminal (Cl 6.4) Except Heat deflection test as per IS 13360, Terminal cover(s) (Cl 6.5) Measurement of Clearance and Creepage distances (Cl 6.6), Verification of Insulating encased meter (Cl 6.7) Resistance to heat and Fire (Cl 6.8) Protection against penetration of dust and water (Cl 6.9) Verification of Display of Measured Value (Cl	IS 13779
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Immunity to Earth Fault	IEC 62053-21
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Immunity to Earth Fault	IS 13779
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Influence of Heating .	IS 13779
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Influence of Self Heating .	IEC 62053-21
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Influence of Self Heating .	IS 13779
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Influence of Short Time Over Current	IEC 62053-21

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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
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Influence of Short Time Over Current	IS 13779
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Power consumption	IEC 62053-21
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Power Consumption	IS 13779
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Repeatability of Errors	IEC 62053-21
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Test of Influence quantities: 1) Reverse phase sequence 2) Voltage unbalance 3)Operation of accessories. 4) 10% of 3rd Harmonics in current ckt 5)DC and even harmonics	IS 13779
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Test of Influence quantities: Frequency variation	IEC 62053-21
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Test of Influence quantities: Frequency variation	IS 13779
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Test of Influence quantities: Voltage variation	IEC 62053-21
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watt hour meters(Class1&2)	Test of Influence quantities: Voltage variation	IS 13779
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Ambient temperature influence	IEC 62053-22

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18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Immunity to Earth Fault	IEC 62053-22
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Influence of Self Heating .	IEC 62053-22
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Influence of Short Time Over Current	IEC 62053-22
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Initial Startup of the meter	IEC 62053-22
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Limits of Error	IEC 62053-22
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Meter Constant	IEC 62053-22
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	No-Load Condition	IEC 62053-22
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Power consumption	IEC 62053-22
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static watthour meters(Class 0.2S & 0.5S)	Repeatability of Errors	IEC 62053-22
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Starting current test	IEC 62053-22
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Test of effect of Voltage Dips and interruptions	IEC 62053-22

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29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class 0.2S & 0.5S)	Test of Influence quantities: External static electro magnetic field and Permanent magnet.	IEC 62053-22
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Starting current test	IEC 62053-21
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	ac High Voltage test	IS 13779
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Ambient temperature influence	IEC 62053-21
33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Ambient temperature influence	IS 13779
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Impulse Voltage test	IS 13779
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Initial Startup of the meter	IEC 62053-21
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Initial Startup of the meter	IS 13779
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Insulation Resistance Test	IS 13779
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Limits of Error	IEC 62053-21
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Limits of Error	IS 13779

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40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Meter Constant	IEC 62053-21
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Meter Constant	IS 13779
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	No-Load Condition	IEC 62053-21
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	No-Load Condition	IS 13779
44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Repeatability of Errors	IS 13779
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Starting Condition	IS 13779
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Test of effect of Voltage Dips and interruptions	IEC 62053-21
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Test of effect of Voltage Dips and interruptions	IS 13779
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Test of Influence quantities: 1) Reverse phase sequence 2) Interruption of phase voltage 3)Auxiliary Voltage variation 4)5th Harmonics in Voltage and current ckt 5) Sub and Odd Harmonics in current ckt 6)DC and even harmonics,7) Operation of accessories.8) Damped oscillatory wave immunity test	IEC 62053-21

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49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Test of Influence quantities: Continuous magnetic Induction: External origin	IS 13779
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Test of Influence quantities: External static electro magnetic field and Permanent magnet.	IEC 62053-21
51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Test of Influence quantities: Magnetic Induction: External origin	IS 13779
52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2) Electronic Trivector Meters , Special Energy Meters , Pre payment Meters and Smart Meters	Test of Influence quantities: Continuous magnetic Induction: External origin	CBIP 304
53	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2) Electronic Trivector Meters , Special Energy Meters , Pre payment Meters and Smart Meters	Test of Influence quantities: Continuous magnetic Induction: External origin	CBIP-325
54	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2) Electronic Trivector Meters , Special Energy Meters , Pre payment Meters and Smart Meters	Test of Influence quantities: Magnetic Induction: External origin	CBIP 304
55	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2) Electronic Trivector Meters , Special Energy Meters , Pre payment Meters and Smart Meters	Test of Influence quantities: Magnetic Induction: External origin	CBIP-325
56	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment (AC)	Impulse Voltage test	IEC 62052-31
57	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment (AC)	Long term overvoltage withstand	IEC 62052-31
58	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment (AC)	Temperature test	IEC 62052-31
59	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment (AC)	AC power-frequency voltage test	IEC 62052-31

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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
60	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	General and constructional Requirements (Cl 6.0 Verification of Meter Case (Cl 6.2) Window (Cl 6.3) Terminals, Terminal block(s) and protective Earth Terminal (Cl 6.4) Except Heat deflection test test as per IS 13360 Verification of Terminal cover(s) (Cl 6.5) Measurement of Clearance and Creepage distances (Cl 6.6) Verification of Insulating encased meter (Cl 6.7) Resistance to heat and Fire (Cl 6.8) Protection against penetration of dust and water (Cl 6.9) Verification of Display of Meas	IS 14697
61	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	ac High Voltage test	IS 14697
62	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Ambient temperature influence	IS 14697
63	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Immunity to Earth Fault	IS 14697
64	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Impulse Voltage test	IS 14697
65	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Influence of Heating .	IS 14697
66	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Influence of Self Heating .	IS 14697
67	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Influence of Short Time Over Current	IS 14697

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68	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Initial Startup of the meter	IS 14697
69	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Insulation Resistance Test	IS 14697
70	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Limits of Error	IS 14697
71	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Meter Constant	IS 14697
72	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	No-Load Condition	IS 14697
73	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Power consumption	IS 14697
74	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Repeatability of Errors	IS 14697
75	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Starting Condition	IS 14697
76	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Test of effect of Voltage Dips and interruptions	IS 14697
77	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Test of Influence quantities: Continuous magnetic Induction: External origin	IS 14697
78	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Test of Influence quantities: Magnetic Induction: External origin	IS 14697

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79	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters(Class 0.2S & 0.5S)	Test of Influence quantities: 1) Reverse phase sequence 2) Voltage unbalance 3)Auxiliary Voltage Variation 4) 10% of 3rd Harmonics in current ckt ,5) Phase of Auxiliary supply voltage	IS 14697
80	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters(Class 0.2S & 0.5S)	Test of Influence quantities: 1) Reverse phase sequence 2)Interruption of phase Voltage 3)Auxiliary Voltage variation 4)5th Harmonics in Voltage and current ckt 5) Sub and Odd Harmonics in current ckt 6) Operation of accessories 7) Damped oscillatory wave immunity test	IEC 62053-22
81	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters(Class 0.2S & 0.5S)	Test of Influence quantities: Frequency variation	IEC 62053-22
82	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters(Class 0.2S & 0.5S)	Test of Influence quantities: Frequency variation	IS 14697
83	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters(Class 0.2S & 0.5S)	Test of Influence quantities: Voltage variation	IEC 62053-22
84	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters(Class 0.2S & 0.5S)	Test of Influence quantities: Voltage variation	IS 14697
85	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Ambient temperature influence	IEC 62052-11
86	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Immunity to Earth Fault	IEC 62052-11
87	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Impulse Voltage test (500 Ohm Impedance)	IEC 60060-1

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88	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Influence of Self Heating .	IEC 62052-11
89	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Influence of Short Time Over Current	IEC 62052-11
90	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Initial Startup of the meter	IEC 62052-11
91	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Limits of Error	IEC 62052-11
92	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Meter Constant	IEC 62052-11
93	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	No-Load Condition	IEC 62052-11
94	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Power consumption	IEC 62052-11
95	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Repeatability of Errors	IEC 62052-11
96	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Starting current test & Initial Startup of the meter	IEC 62052-11
97	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Test of effect of Voltage Dips and interruptions	IEC 62052-11

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98	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Test of Influence quantities: 1) Reverse phase sequence 2) Voltage unbalance 3)Auxiliary Voltage variation 4) 5th Harmonics in Voltage and current ckt 5) Sub and Odd Harmonics in current ckt 6)DC and even harmonics 7) Operation of Auxiliary devices 8) Damped oscillatory wave immunity test	IEC 62052-11
99	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Test of Influence quantities: External static electro magnetic field and Permanent magnet.	IEC 62052-11
100	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Test of Influence quantities: Frequency variation	IEC 62052-11
101	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Test of Influence quantities: Voltage variation	IEC 62052-11
102	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment meter	Impulse Voltage test	IEC 62055-31
103	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment meter	Measurement of Clearance and creepage	IEC 62055-31

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104	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment meter	Verification of General Standard electrical Values (Cl 4.1) Mechanical requirements (4.2) Case (Cl 4.2.2) Window (Cl 4.2.3) Terminals-Terminal block & Protective earth (Cl 4.2.4) except Heat Deflection test as per IS 13360. Verification of Terminal covers (Cl 4.2.5), Measurement of Clearance and creepage distance (cl 4.2.6) Verification of Insulating encased meter (Cl 4.2.7) Resistance to heat and fire (Cl 4.2.8) Protection against penetration of dust and water (Cl 4.2.9) Verification of D	IS 15884
105	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meter	ac High Voltage Test	IEC 62055-31
106	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meter	ac High Voltage Test	IS 15884
107	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meter	Influence of Heating .	IEC 62055-31
108	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment meter	Power Consumption	IEC 62055-31
109	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Test of Influence quantities: 1) Reverse phase sequence 2) Voltage unbalance 3)Operation of accessories 4) 10% of 3rd Harmonics in current ckt 5)DC and even harmonics	IS 15884
110	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Test of Influence quantities: Frequency variation	IEC 62055-31

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111	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	1)Test of effect of Voltage Dips and interruptions 2) Influence of Supply Voltage	IS 15884
112	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Ambient temperature influence	IEC 62055-31
113	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Ambient temperature influence	IS 15884
114	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Impulse Voltage test	IS 15884
115	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Influence of Heating .	IS 15884
116	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Influence of Self Heating .	IS 15884
117	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Influence of supply voltage	IEC 62055-31
118	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Initial Startup of the meter	IEC 62055-31
119	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Initial Startup of the meter	IS 15884
120	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Insulation Resistance Test	IS 15884
121	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Limits of Error	IEC 62055-31

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122	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Limits of Error	IS 15884
123	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Meter Constant	IEC 62055-31
124	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Meter Constant	IS 15884
125	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	No-Load Condition	IEC 62055-31
126	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	No-Load Condition	IS 15884
127	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Power Consumption	IS 15884
128	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Repeatability of Errors	IS 15884
129	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Starting Condition	IEC 62055-31
130	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Starting Condition	IS 15884

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131	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Test of Influence quantities: 1) Reverse phase sequence 2) Voltage unbalance 3)Operation of Auxiliary devices 4) 5th Harmonics in Voltage and current ckt 5) Sub and Odd Harmonics in current ckt 6)DC and even harmonics 7) Damped oscillatory wave immunity test	IEC 62055-31
132	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Test of Influence quantities: Continuous magnetic Induction: External origin	IEC 62055-31
133	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Test of Influence quantities: Continuous magnetic Induction: External origin	IS 15884
134	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Test of Influence Quantities: Frequency variation	IS 15884
135	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Test of Influence quantities: Magnetic Induction: External origin	IEC 62055-31
136	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Test of Influence quantities: Magnetic Induction: External origin	IS 15884
137	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Test of Influence Quantities: Voltage variation	IEC 62055-31
138	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Test of Influence Quantities: Voltage variation	IS 15884
139	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart meter	Power consumption	IS 16444 (Part 2)

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140	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart meter	General and constructional Requirements (Cl 6.2) Verification of Meter Case (Cl 6.2 of IS 13779) Window (Cl 6.3 of IS 13779) Terminals, Terminal block(s) and protective Earth Terminal (Cl 6.4 of IS 13779) Except Heat deflection test as per IS 13360. Verification of Terminal cover(s) (Cl 6.2.2) Measurement of Clearance and Creepage distances (Cl 6.3) , Resistance to heat and fire (Cl 6.4) Mechanical requirements (Cl 6.5) Verification of Display of Measured Value (Cl 6.6), Output device (Cl	IS 16444 (Part 1)
141	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart meter	General and constructional Requirements (Cl 6.2) Verification of Meter Case (Cl 6.2 of IS 13779), Window (Cl 6.3 of IS 13779), Terminals, Terminal block(s) and protective Earth Terminal (Cl 6.4 of IS 13779) Except Heat Deflection Test as per IS 13360. Verification of Terminal cover(s) (Cl 6.2.2) Measurement of Clearance and Creepage distances (Cl 6.3) Resistance to heat and fire (Cl 6.4) Verification of Mechanical requirements (Cl 6.5) Verification of Display of Measured Value (Cl 6.6), O	IS 16444 (Part 2)
142	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter	Impulse Voltage test	IS 16444 (Part1)
143	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter	impulse Voltage Test	IS 16444 (Part2)
144	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart meter	Influence of Heating .	IS 16444 (Part 1)

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145	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart meter	Power consumption	IS 16444 (Part 1)
146	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter	Smart meter functional requirements : Clause 11 1) Data read by reading cumulative kwh through communication module 2) Remote connect/disconnect switch.	IS 16444 (Part 1)
147	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter	Smart meter functional requirements : Clause No 10 1) Data read by reading cumulative kwh through communication module 2) Remote connect/disconnect switch.	IS 16444 (Part 2)
148	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Immunity to Earth Fault	IS 16444 (Part 1)
149	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of Influence quantities: 1) Reverse phase sequence 2) Voltage unbalance 3) Operation of accessories. 4) 10% of 3rd Harmonics in current ckt 5)DC and even harmonics	IS 16444 (Part 1)
150	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of Influence quantities: 1) Reverse phase sequence 2) Voltage unbalance 3)Auxiliary Voltage variation 4) 10% of 3rd Harmonics in current ckt 5)DC and even harmonics, 6) 6) Phase of Auxiliary supply voltage	IS 16444 (Part 2)
151	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	1. Test of Influence of supply Voltage . 2. Voltage dips and Interruptions	IS 16444 (Part1)
152	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	ac High Voltage Test	IS 16444 (Part 2)

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153	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	ac High Voltage Test	IS 16444 (Part1)
154	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Ambient temperature influence	IS 16444 (Part1)
155	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Ambient temperature influence	IS 16444 (Part2)
156	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Immunity to Earth Fault	IS 16444 (Part 2)
157	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Influence of Heating .	IS 16444 (Part 2)
158	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Influence of Self Heating .	IEC 62055-31
159	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Influence of Self Heating .	IS 16444 (Part 1)
160	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Influence of Self Heating .	IS 16444 (Part 2)
161	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Influence of Short Time Over Current	IS 16444 (Part 2)
162	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Initial Startup of the meter	IS 16444 (Part1)
163	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Initial Startup of the meter	IS 16444 (Part2)

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164	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Insulation Resistance Test	IS 16444 (Part1)
165	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Insulation Resistance Test	IS 16444 (Part2)
166	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Limits of Error	IS 16444 (Part1)
167	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Limits of Error	IS 16444 (Part2)
168	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Meter Constant	IS 16444 (Part1)
169	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Meter Constant	IS 16444 (Part2)
170	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	No-Load Condition	IS 16444 (Part1)
171	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	No-Load Condition	IS 16444 (Part2)
172	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Repeatability of Errors	IS 16444 (Part1)
173	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Repeatability of Errors	IS 16444 (Part2)
174	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Starting Condition	IS 16444 (Part1)

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175	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Starting Condition	IS 16444 (Part2)
176	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of effect of Voltage Dips and interruptions	IS 16444 (Part2)
177	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of Influence quantities: Continuous magnetic Induction: External origin	IS 16444 (Part1)
178	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of Influence quantities: Continuous magnetic Induction: External origin	IS 16444 (Part2)
179	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of Influence quantities: Frequency variation	IS 16444 (Part 1)
180	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of Influence Quantities: Frequency variation	IS 16444 (Part 2)
181	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of Influence quantities: Magnetic Induction: External origin	IS 16444 (Part1)
182	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of Influence quantities: Magnetic Induction: External origin	IS 16444 (Part2)
183	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of Influence quantities: Voltage variation	IS 16444 (Part 1)
184	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Test of Influence quantities: Voltage variation	IS 16444 (part 2)
185	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Starting current test	IEC 62053-24

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186	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Ambient temperature influence	IEC 62053-24
187	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Immunity to Earth Fault	IEC 62053-24
188	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Influence of Self Heating .	IEC 62053-24
189	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Influence of Short Time Over Current	IEC 62053-24
190	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Initial Startup of the meter	IEC 62053-24
191	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Limits of Error	IEC 62053-24
192	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Meter Constant	IEC 62053-24
193	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	No-Load Condition	IEC 62053-24
194	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Power consumption	IEC 62053-24
195	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Repeatability of Errors	IEC 62053-24
196	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Test of effect of Voltage Dips and interruptions	IEC 62053-24

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197	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Test of Influence quantities: 1) Reverse phase sequence 2)Interruption of phase Voltage 3)Auxiliary Voltage variation 4)5th Harmonics in Voltage and current ckt 5) Sub and Odd Harmonics in current ckt 6)DC and even harmonics,7) Operation of accessories 8) Damped oscillatory wave immunity test	IEC 62053-24
198	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Test of Influence quantities: External Static electro magnetic field and Permanent magnet	IEC 62053-24
199	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Test of Influence quantities: Frequency variation	IEC 62053-24
200	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3)	Test of Influence quantities: Voltage variation	IEC 62053-24
201	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Ambient temperature influence	IEC 62053-23
202	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Immunity to Earth Fault	IEC 62053-23
203	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Influence of Self Heating .	IEC 62053-23
204	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Influence of Short Time Over Current	IEC 62053-23
205	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Initial Startup of the meter	IEC 62053-23

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206	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Limits of Error	IEC 62053-23
207	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Meter Constant	IEC 62053-23
208	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	No-Load Condition	IEC 62053-23
209	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Power consumption	IEC 62053-23
210	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Repeatability of Errors	IEC 62053-23
211	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Starting current test	IEC 62053-23
212	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Test of effect of Voltage Dips and interruptions	IEC 62053-23
213	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Test of Influence quantities: 1) Reverse phase sequence 2)Interruption of phase Voltage 3)Auxiliary Voltage variation 4)5th Harmonics in Voltage and current ckt 5) Sub and Odd Harmonics in current ckt 6)DC and even harmonics,7) Operation of accessories 8) Damped oscillatory wave immunity test.	IEC 62053-23
214	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Test of Influence quantities: External Static electro magnetic field and Permanent magnet	IEC 62053-23

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215	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Test of Influence quantities: Frequency variation	IEC 62053-23
216	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for reactive energy (classes 2 and 3)	Test of Influence quantities: Voltage variation	IEC 62053-23
217	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Conducted Emission	CISPR 32
218	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Conducted Emission	IEC 62053-24
219	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Conducted Emission	IEC 62052-11
220	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Conducted Emission	IEC 62053-21
221	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Conducted Emission	IEC 62053-22
222	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Conducted Emission	IEC 62053-23
223	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Conducted Emission	IEC 62055-31
224	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Conducted Emission	IS 13779
225	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Conducted Emission	IS 14697
226	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Conducted Emission	IS 15884
227	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Conducted Emission	IS 16444 (Part 1)
228	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Conducted Emission	IS 16444 (Part 2)
229	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Electrical Fast Transient Burst	IEC 61000-4-4
230	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Electrical Fast Transient Burst	IEC 62052-11
231	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Electrical Fast Transient Burst	IEC 62053-21

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232	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Electrical Fast Transient Burst	IEC 62053-22
233	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Electrical Fast Transient Burst	IEC 62053-23
234	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Electrical Fast Transient Burst	IEC 62053-24
235	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Electrical Fast Transient Burst	IEC 62055-31
236	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Electrical Fast Transient Burst	IS 13779
237	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Electrical Fast Transient Burst	IS 14697
238	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Electrical Fast Transient Burst	IS 15884
239	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Electrical Fast Transient Burst	IS 16444 (Part 1)
240	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Electrical Fast Transient Burst	IS 16444 (Part 2)
241	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electromagnetic HF fields.(Using GTEM System)	IEC 62055-31
242	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Immunity to Electromagnetic HF fields.(Using GTEM System)	IEC61000-4-20
243	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electromagnetic HF fields.(Using GTEM System)	IS 13779
244	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electromagnetic HF fields.(Using GTEM System)	IS 14697
245	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electromagnetic HF fields.(Using GTEM System)	IS 15884
246	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Immunity to Electromagnetic HF fields.(Using GTEM System)	IS 16444 (Part1)
247	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Immunity to Electromagnetic HF fields.(Using GTEM System)	IS 16444 (Part2)
248	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electrostatic discharge	IEC 62052-11
249	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electrostatic discharge	IEC 62053-21
250	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electrostatic discharge	IEC 62053-22

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251	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Immunity to Electrostatic discharge	IEC 62053-23
252	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electrostatic discharge	IEC 62055-31
253	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Immunity to Electrostatic discharge	IEC-61000-4-2
254	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electrostatic discharge	IS 13779
255	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electrostatic discharge	IS 14697
256	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Immunity to Electrostatic discharge	IS 15884
257	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Immunity to Electrostatic discharge	IS 16444 (Part1)
258	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Immunity to Electrostatic discharge	IS 16444 (Part2)
259	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Immunity to Electrostatic discharge	IEC 62053-24
260	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Radiated Emission using absorption clamp	IS 13779
261	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Radiated Emission using absorption clamp	IS 14697
262	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Radiated Emission using absorption clamp	IS 16444 (Part2)
263	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Radio interference measurement	IS 6873
264	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Surge immunity test	IEC 61000-4-5
265	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Surge immunity test	IEC 62052-11
266	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Surge immunity test	IEC 62053-21
267	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Surge immunity test	IEC 62053-22
268	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Surge immunity test	IEC 62053-23
269	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Surge immunity test	IEC 62053-24

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270	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Surge immunity test	IEC 62055-31
271	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Surge immunity test	IS 13779
272	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Surge immunity test	IS 14697
273	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Meters	Surge immunity test	IS 15884
274	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Surge immunity test	IS 16444 (Part1)
275	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters	Surge immunity test	IS 16444 (Part2)
276	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electricity Meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IEC 60068-2-1
277	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electricity Meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IEC 62052-11
278	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electricity Meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-21
279	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electricity Meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-22
280	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electricity meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-23
281	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electricity meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-24
282	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electricity Meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IEC 62055-31
283	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electricity Meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IS 13779
284	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electricity Meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IS 14697

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285	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IS 15884
286	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part 1)
287	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part 2)
288	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Cold test (Chamber Size: 0.9 Cubic Meter)	IS 9000 (Part 2)
289	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IEC 60068-2-30
290	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IEC 62052-11
291	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IEC 62053-21
292	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IEC 62053-24
293	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IEC 62055-31
294	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IS 13779
295	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IS 14697
296	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IS 15884
297	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IS 16444 (part 2)
298	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IS 9000 (Part 5)

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299	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IEC 62053-23
300	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Damp heat (Cyclic) (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part 1)
301	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IEC 60068-2-2
302	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-21
303	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-22
304	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-23
305	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IEC 62055-31
306	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IS 13779
307	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IS 15884
308	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part 1)
309	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part 2)
310	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IS 9000 (Part 3)
311	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-24
312	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IS 14697

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313	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Dry heat test (Chamber Size: 0.9 Cubic Meter)	IEC 62052-11
314	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Protection against penetration of dust and water (Chamber Size: 0.9 Cubic Meter)	IEC 62052-31
315	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Protection against penetration of dust and water (Chamber Size: 0.9 Cubic Meter)	IEC 62055-31
316	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Protection against penetration of dust and water (Chamber Size: 0.9 Cubic Meter)	IS 13779
317	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Protection against penetration of dust and water (Chamber Size: 0.9 Cubic Meter)	IS 14697
318	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Protection against penetration of dust and water (Chamber Size: 0.9 Cubic Meter)	IS 15884
319	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Protection against penetration of dust and water (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part1)
320	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Protection against penetration of dust and water (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part2)
321	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Protection against penetration of dust and water (Chamber Size: 0.9 Cubic Meter)	IS/IEC 60529
322	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Protection against penetration of dust and water (Chamber Size: 0.9 Cubic Meter)	IS/IEC 60529
323	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Protection against spread of fire (Chamber Size: 0.9 Cubic Meter)	IEC 62052-31
324	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Resistance to heat (Chamber Size: 0.9 Cubic Meter)	IEC 62052-31
325	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Resistance to heat and fire (Chamber Size: 0.9 Cubic Meter)	IEC 60695-2-11
326	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Resistance to heat and fire (Chamber Size: 0.9 Cubic Meter)	IS 11000 (Part 2, sec 1)

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327	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Resistance to heat and fire (Chamber Size: 0.9 Cubic Meter)	IS 14697
328	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Resistance to heat and fire (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part 1)
329	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Resistance to heat and fire (Chamber Size: 0.9 Cubic Meter)	IEC 62055-31
330	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Resistance to heat and fire (Chamber Size: 0.9 Cubic Meter)	IS 13779
331	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Resistance to heat and fire (Chamber Size: 0.9 Cubic Meter)	IS 15884
332	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Resistance to heat and fire (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part 2)
333	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Spring Hammer test (Chamber Size: 0.9 Cubic Meter)	IS 13779
334	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Spring Hammer test (Chamber Size: 0.9 Cubic Meter)	IS 9000 Part VII (Sec1 to 5)
335	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Spring hammer test (Chamber Size: 0.9 Cubic Meter)	IEC 60068-2-75
336	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Spring Hammer test (Chamber Size: 0.9 Cubic Meter)	IEC 62055-31
337	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Spring Hammer test (Chamber Size: 0.9 Cubic Meter)	IS 14697
338	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Spring Hammer test (Chamber Size: 0.9 Cubic Meter)	IS 15884
339	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Spring Hammer test (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part1)
340	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Spring Hammer test (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part2)

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341	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Spring Hammer test. (Chamber Size: 0.9 Cubic Meter)	IEC 62052-31
342	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IEC 60068-2-6
343	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IEC 62052-11
344	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-21
345	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-22
346	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-23
347	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-24
348	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IEC 62055-31
349	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IS 13779
350	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IS 14697
351	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IS 15884
352	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part1)
353	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IS 16444 (Part2)
354	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters	Vibration test (Chamber Size: 0.9 Cubic Meter)	IS 9000 Part VIII

SCOPE OF ACCREDITATION

Laboratory Name :	MPS ELECTRICAL TEST LABORATORY, SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED, MYSORE CAMPUS, KIADB INDUSTRIAL AREA, HEBBAL, HOOTAGALLI, MYSORE, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5740	**Page No**	33 of 34
Validity	04/06/2022 to 03/06/2024	**Last Amended on**	13/07/2022

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
355	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity Meters.	Damp heat test (Chamber Size: 0.9 Cubic Meter)	IEC 62053-22

SCOPE OF ACCREDITATION

Laboratory Name : MPS ELECTRICAL TEST LABORATORY, SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED, MYSORE CAMPUS, KIADB INDUSTRIAL AREA, HEBBAL, HOOTAGALLI, MYSORE, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5740 **Page No** 34 of 34

Validity 04/06/2022 to 03/06/2024 **Last Amended on** 13/07/2022

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
Site Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Ac static watthour meters(Class1&2)	Limits of error (Reference condition)	IS 13779
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Trivector Meters , Special Energy Meters	Limits of error (Reference condition)	IS 14697
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment.	Limits of error (Prevailing conditions) Testing, Evaluation, Installation and maintenance of ac electricity meters-Code of practice	IS 15707
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Prepayment Meters	Limits of error (Reference condition)	IS 15884
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Limits of error (Reference condition)	IS 16444 (Part1)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meters	Limits of error (Reference condition)	IS 16444 (Part2)