



SCOPE OF ACCREDITATION

Laboratory Name:

ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL,

INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5637

Page No

3 of 43

Validity

14/03/2025 to 13/03/2029

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
40	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Voltage During Discharge	Clause No. 7.9 of IRS: S: 88
41	ELECTRICAL- CELLS & BATTERIES	Battery	Test of Suitability of Floating Battery Operation	Clause no. 10.13 of IS 1652
42	ELECTRICAL- CELLS & BATTERIES	Battery	Test of Suitability of Floating Battery Operation	Clause no. 12.12 of IS 1651
43	ELECTRICAL- CELLS & BATTERIES	Battery	Verification of dimension	Clause no. 12.4 of IS 1651
44	ELECTRICAL- CELLS & BATTERIES	Battery	Verification of dimensions	Clause no. 11.4 of IS 13369
45	ELECTRICAL- CELLS & BATTERIES	Battery	Verification of dimensions	Clause no. 6 & Table 2 of IS 1652
46	ELECTRICAL- CELLS & BATTERIES	Battery	Verification of dimensions	Clause no. 7.4 of RDSO IRS : S :88
47	ELECTRICAL- CELLS & BATTERIES	Battery	Water Loss on float charge	Clause no. 8.6 of IS 16270
48	ELECTRICAL- CELLS & BATTERIES	Battery	Water Loss Test	Clause no. 11.9 of IS 13369
49	ELECTRICAL- CELLS & BATTERIES	Battery	Water Loss Test	Clause no. 12.11 of IS 1651
50	ELECTRICAL- CELLS & BATTERIES	Battery	Water Loss Test	Clause no. 7.12 of RDSO IRS : S : 88
51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	a.c High Voltage Test	CL. No. 6.10.6 of IS 16444 (CL. No. 12.7.6.3 of IS 13779)
52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Insulation Resistance Test	CL. No. 6.10.6 of IS 16444 (CL. No. 12.7.6.4 of IS 13779)
53	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Meter Constant	CL. No. 6.12 of IS 16444 (CL. No. 12.15 of IS 13779)
54	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of no-load condition	CL. No. 6.12 of IS 16444 (CL. No. 12.13 of IS 13779)
55	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Repeatability of error	CL. No. 6.12 of IS 16444 (CL. No. 12.17 of IS 13779)





SCOPE OF ACCREDITATION

Laboratory Name:

ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL,

INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5637

Page No

4 of 43

Validity

14/03/2025 to 13/03/2029

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
56	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Starting Condition	CL. No. 6.12 of IS 16444 (CL. No. 12.14 of IS 13779)
57	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test on Limits of Error	CL. No. 6.12 of IS 16444 (CL. No. 11.1 of IS 13779)
58	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S Part 2	a.c. High voltage test	CL. No. 6.10.6 (CL. No. 12.7.6.3 of IS 14697) of IS 16444 (Part 2)
59	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S Part 2	Test of meter constant	CL. No. 6.12 (CL. No. 12.14 of IS 14697) of IS 16444 (Part 2)
60	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S Part 2 Specification Transformer Operated Smart Meters	Insulation Resistance Test	CL. No. 6.10.6 (CL. No. 12.7.6.4 of IS 14697) of IS 16444 (Part 2)
61	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S Part 2 Specification Transformer Operated Smart Meters	Test of no-load condition	CL. No. 6.12 (CL. No. 12.12 of IS 14697) of IS 16444 (Part 2)
62	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S Part 2 Specification Transformer Operated Smart Meters	Test on limits of error	CL. No. 6.12 (CL. No. 11.1 of IS 14697:2021) of IS 16444 (Part 2)
63	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S Part 2 Specification Transformer Operated Smart Meters	Test of repeatability of error	CL. No. 6.12 (CL. No. 12.16 of IS 14697) of IS 16444 (Part 2)
64	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S Part 2 Specification Transformer Operated Smart Meters	Test of starting condition	CL. No. 6.12 (CL. No. 12.13 of IS 14697) of IS 16444 (Part 2)
65	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	a.c. High Voltage Test	CL. No. 12.7.6.3 of IS 14697
66	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Cold Test	CL. No. 12.6.2 of IS 14697





SCOPE OF ACCREDITATION

Laboratory Name:

ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL,

INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5637

Page No

5 of 43

Validity

14/03/2025 to 13/03/2029

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
67	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Damp Heat Cyclic Test	CL. No. 12.6.3 & 6 of IS 14697
68	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Dry Heat Test	CL. No. 12.6.1 of IS 14697
69	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Fast Transient Burst Test	CL. No. 12.8.4 of IS 14697
70	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Impulse voltage test	CL. No. 12.7.6.2 & 6 of IS 14697
71	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Insulation Test	CL. No. 12.7.6.4 & 6 of IS 14697
72	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Protection Against Penetration of Dust and Water	CL. No. 12.5 & 6 of IS 14697
73	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Radio Interference Measurement	CL. No. 12.8.6 of IS 14697
74	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Shock Test (Waveform: Half- sine, Pulse width Range: 03 ms to 30 ms, Peak Acceleration: 40 g)	CL. No. 12.3.1 of IS 14697
75	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Spring Hammer Test	CL. No. 12.3.3 of IS 14697
76	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Surge Immunity Test	CL. No. 12.8.5 of IS 14697
77	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Ambient Temperature influence	CL. No. 12.11 of IS 14697





SCOPE OF ACCREDITATION

Laboratory Name:

ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL,

INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5637

Page No

6 of 43

Validity

14/03/2025 to 13/03/2029

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
78	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Immunity to Earth/Phase Fault	CL. No. 12.17 of IS 14697
79	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Immunity to Electromagnetic HF Field	CL. No. 12.8.3 of IS 14697
80	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Immunity to Electrostatic Discharges	CL. No. 12.8.2 of IS 14697
81	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Influence of Heating	CL. No. 12.7.5 & 6 of IS 14697
82	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Influence of Self Heating	CL. No. 12.7.4 of IS 14697
83	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Influence of Short Time Overcurrent	CL. No. 12.7.3 of IS 14697
84	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Influence of Supply Voltage	CL. No. 12.7.2 of IS 14697
85	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Influence Quantities	CL. No. 12.10 of IS 14697
86	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Meter Constants	CL. No. 12.14 of IS 14697
87	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of No-Load Condition	CL. No. 12.12 of IS 14697
88	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Power Consumption	CL. No. 12.7.1 of IS 14697





SCOPE OF ACCREDITATION

Laboratory Name:

ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL,

INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5637

Page No

7 of 43

Validity

14/03/2025 to 13/03/2029

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
89	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Repeatability of Error	CL. No. 12.16 of IS 14697
90	ELECTRICAL - ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Resistance to Heat and Fire	CL. No. 12.4 & 6 of IS 14697
91	ELECTRICAL - ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test of Starting Condition	CL. No. 12.13 of IS 14697
92	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Test on Limits of Error and Interpretation of Test Results	CL. No. 11.1, 12.15 and 7 of IS 14697
93	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Vibration Test (Bandwidth: 5 Hz to 3000 Hz , Maximum sine acceleration (Peak): 40 g)	CL. No. 12.3.2 of IS 14697
94	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.1S, 0.2S and 0.5S) and Var-Hour Meters (Class 0.1S, 0.2S, 0.5S and 1 S)	Visual Inspection	CL. No. 7 of IS 14697
95	ELECTRICAL ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	a.c High Voltage Test	CL. No. 12.7.6.3 & 6 of IS 13779
96	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Cold Test	CL. No. 12.6.2 of IS 13779
97	ELECTRICAL ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Damp Heat Cyclic Test	CL. No. 12.6.3 & 6 of IS 13779
98	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Dry Heat Test	CL. No. 12.6.1 of IS 13779
99	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Fast Transient Burst Test	CL. No. 12.9.4 of IS 13779





SCOPE OF ACCREDITATION

Laboratory Name:

ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL,

INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5637

Page No

8 of 43

Validity

14/03/2025 to 13/03/2029

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
100	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Impulse Voltage Test	CL. No. 12.7.6.2 & 6 of IS 13779
101	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Insulation Test	CL. No. 12.7.6.4 & 6 of IS 13779
102	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Protection against Penetration of Dust and Water	CL. No. 12.5 & 6 of IS 13779
103	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Radio interference Measurement	CL. No. 12.9.6 of IS 13779
104	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Shock Test (Waveform: Half- sine, Pulse width Range: 03 ms to 30 ms, Peak Acceleration: 40 g)	CL. No. 12.3.1 of IS 13779
105	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Spring Hammer Test	CL. No. 12.3.3 of IS 13779
106	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Surge Immunity Test	CL. No. 12.9.5 of IS 13779
107	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Ambient Temperature Influence	CL. No. 12.12 of IS 13779
108	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Immunity to Earth/Phase Fault	CL. No. 12.8 of IS 13779
109	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Immunity to Electromagnetic HF Field	CL. No. 12.9.3 of IS 13779
110	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Immunity to Electrostatic Discharges	CL. No. 12.9.2 of IS 13779





SCOPE OF ACCREDITATION

Laboratory Name:

ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL,

INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5637

Page No

9 of 43

Validity

14/03/2025 to 13/03/2029

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
111	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Influence of Heating	CL. No. 12.7.5 & 6 of IS 13779
112	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Influence of Self- heating	CL. No. 12.7.4 of IS 13779
113	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Influence of Short-time Overcurrents	CL. No. 12.7.3 of IS 13779
114	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Influence of Supply Voltage	CL. No. 12.7.2 of IS 13779
115	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Influence Quantities	CL. No. 12.11 of IS 13779
116	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Meter Constant	CL. No. 12.15 of IS 13779
117	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of No-Load Condition	CL. No. 12.13 of IS 13779
118	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Power Consumption	CL. No. 12.7.1 of IS 13779
119	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Repeatability of Error	CL. No. 12.17 of IS 13779
120	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Resistance to Heat and Fire	CL. No. 12.4 & 6 of IS 13779
121	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Starting Condition	CL. No. 12.14 of IS 13779





SCOPE OF ACCREDITATION

Laboratory Name:

ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL,

INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5637

Page No

10 of 43

Validity

14/03/2025 to 13/03/2029

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
122	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test on Limits of Error and Interpretation of Test Results	CL No. 11.1 & 12.16 of IS 13779
123	ELECTRICAL - ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Vibration Test (Bandwidth: 5 Hz to 3000 Hz , Maximum sine acceleration (Peak): 40 g)	CL. No. 12.3.2 of IS 13779
124	ELECTRICAL ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Visual Inspection	CL. No. 7 of IS 13779
125	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Damp Heat, Steady State (Chamber Size: 1m x 1m x 1m)	IS/ IEC 60068-2-78
126	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Topple Test	JSS 55555
127	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Bump	JSS 55555
128	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Bump/ Roadability	TEC 14016
129	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Change of Temperature (Chamber Size: 1m x 1m x 1m)	IS/ IEC 60068-2-14
130	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Cold (Chamber Size: 1m x 1m x 1m)	IS/ IEC 60068-2-1
131	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Corrosion (Salt)- Chamber Size with cover: (1.2m x 1.6m x 0.68m)	TEC 14016
132	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Corrosion (Salt/ Salt Fog)- Chamber Size with cover: (1.2m x 1.6m x 0.68m)	JSS 55555
133	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Damp Heat (Chamber Size: 1m x 1m x 1m)	JSS 55555
134	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Damp Heat (Cyclic) (Chamber Size: 1m x 1m x 1m)	IS 9000 (Part 5)
135	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories and Component	Damp Heat (Steady State) (Chamber Size: 1m x 1m x 1m)	IS 9000 (Part 4)