



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

ELECTRONICS REGIONAL TEST LABORATORY (EAST)

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARAGANAS NORTH, WEST BENGAL, INDIA

in the field of

TESTING

Certificate Number: TC-5637

Issue Date: 14/03/2020

Valid Until:

13/03/2022

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARAGANAS NORTH, WEST BENGAL , INDIA

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Validity 14/03/2020 to 13/03/2022 Last Amended on -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- CELLS & BATTERIES	Battery	Acid Retention Capacity Test on Separators	Clause no. 12.7 of IS 15549 : 2005
2	ELECTRICAL- CELLS & BATTERIES	Battery	Air Pressure Test	Clause no. 7.15 of RDSO IRS : S : 88: 2004
3	ELECTRICAL- CELLS & BATTERIES	Battery	Ampere-hour and watt-hour efficiency tests	Clause no. 12.9 of IS 1651 : 2013
4	ELECTRICAL- CELLS & BATTERIES	Battery	Ampere-hour and watt-hour efficiency tests	Clause no. 7.8 of RDSO IRS : S : 88: 2004
5	ELECTRICAL- CELLS & BATTERIES	Battery	Ampere-hour and watt-hour efficiency tests	Clause no. 12.4 and 12.5 of IS 15549: 2005
6	ELECTRICAL- CELLS & BATTERIES	Battery	Ampere-hour and watt-hour efficiency tests	Clause no. 11.8 of IS 13369 : 1992
7	ELECTRICAL- CELLS & BATTERIES	Battery	Ampere-hour and watt-hour efficiency tests	Clause no. 10.10 of IS 1652: 2013
8	ELECTRICAL- CELLS & BATTERIES	Battery	Capacity	Clause no. 12.1 and 12.2 of IS 15549 : 2005
9	ELECTRICAL- CELLS & BATTERIES	Battery	Capacity Test	Clause no. 8.1 of IS 16270 : 2014
10	ELECTRICAL- CELLS & BATTERIES	Battery	Cycling Endurance in Photovoltaic Application	Clause no. 8.4 of IS 16270: 2014
11	ELECTRICAL- CELLS & BATTERIES	Battery	Endurance and Life Test	Clause no. 7.7 & 7.10 of RDSO IRS : S : 88: 2004



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12	ELECTRICAL- CELLS & BATTERIES	Battery	Endurance Life Cycle Test	Clause no. 12.10 of IS 15549 : 2005
13	ELECTRICAL- CELLS & BATTERIES	Battery	Endurance Test	Clause no. 10.9 of IS 1652 : 2013
14	ELECTRICAL- CELLS & BATTERIES	Battery	Endurance Test	Clause no. 12.8 of IS 1651 : 2013
15	ELECTRICAL- CELLS & BATTERIES	Battery	Endurance Test	Clause no. 8.2 of IS 16270 : 2014
16	ELECTRICAL- CELLS & BATTERIES	Battery	Endurance Test	Clause no. 11.7 of IS 13369 : 1992
17	ELECTRICAL- CELLS & BATTERIES	Battery	Equilibrium Float Current Test	Clause no. 7.13 of RDSO IRS : S : 88: 2004
18	ELECTRICAL- CELLS & BATTERIES	Battery	Equilibrium Float Current Test	Clause no. 11.10 of IS 13369: 1992
19	ELECTRICAL- CELLS & BATTERIES	Battery	Internal Resistance and Short Circuit Test	Clause no. 10.14 of IS 1652 : 2013
20	ELECTRICAL- CELLS & BATTERIES	Battery	Loss of Water Test	Clause no. 10.12 of IS 1652 : 2013
21	ELECTRICAL- CELLS & BATTERIES	Battery	Short Circuit Current and Internal Resistance Test	Clause no. 12.13 of IS 1651 : 2013
22	ELECTRICAL- CELLS & BATTERIES	Battery	Sulphation Test	Clause no. 8.5 of IS 16270 : 2014
23	ELECTRICAL- CELLS & BATTERIES	Battery	Sulphation Test	Clause no. 7.14 of RDSO IRS : S : 88: 2004



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24	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Capacity	Clause no. 7.5 of RDSO IRS : S : 88: 2004
25	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Capacity	Clause no. 10.6 of IS 1652 : 2013
26	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Capacity	Clause no. 11.5 of IS 13369 : 1992
27	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Capacity	Clause no. 12.5 of IS 1651 : 2013
28	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Loss of Capacity on Storage (Retention of Charge)	Clause no. 12.6 of IS 15549 : 2005
29	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Loss of Capacity on Storage (Retention of Charge)	Clause no. 11.6 of IS 13369: 1992
30	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Loss of Capacity on Storage (Retention of Charge)	Clause no. 8.3 of IS 16270 : 2014
31	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Loss of Capacity on Storage (Retention of Charge)	Clause no. 12.7 of IS 1651 : 2013
32	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Loss of Capacity on Storage (Retention of Charge)	Clause no. 10.8 of IS 1652: 2013
33	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Loss of Capacity on Storage (Retention of Charge)	Clause no. 7.6 & 7.11 of RDSO IRS : S : 88: 2004
34	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Suitability of Floating Battery Operation	Clause no. 10.13 of IS 1652 : 2013
35	ELECTRICAL- CELLS & BATTERIES	Battery	Test for Suitability of Floating Battery Operation	Clause no. 12.12 of IS 1651 : 2013



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36	ELECTRICAL- CELLS & BATTERIES	Battery	Verification of dimensions	Clause no. 7.4 of RDSO IRS : S : 88/2004: 2004
37	ELECTRICAL- CELLS & BATTERIES	Battery	Verification of dimensions	Clause no. 6 & Table 2 of IS 1652: 2013
38	ELECTRICAL- CELLS & BATTERIES	Battery	Verification of dimensions	Clause no. 12.2 of IS 1651: 2013
39	ELECTRICAL- CELLS & BATTERIES	Battery	Verification of dimensions	Clause no. 11.4 of IS 13369 : 1992
40	ELECTRICAL- CELLS & BATTERIES	Battery	Water Loss Test	Clause no. 11.9 of IS 13369: 1992
41	ELECTRICAL- CELLS & BATTERIES	Battery	Water Loss Test	Clause no. 7.12 of RDSO IRS : S : 88: 2004
42	ELECTRICAL- CELLS & BATTERIES	Battery	Water Loss Test	Clause no. 8.6 of IS 16270 : 2014
43	ELECTRICAL- CELLS & BATTERIES	Battery	Water Loss Test	Clause no. 12.11 of IS 1651 : 2013
44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS; Class: 1 & 2; Three Phase	Test of Influence of immunity to earth fault	Cl. No.: 12.8 of IS 13779(AMD.5): 1999
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Insulation Resistance test	Cl. No.: 12.7.6.4 & 6 of IS 13779 (AMD.5): 1999



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46	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test on Limits of Error	Cl. No.: 11.1 & 7 of IS 13779(AMD.5): 1999
47	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Cold Test	Cl. No.: 12.6.2 OF IS 13779(AMD.5): 1999
48	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Damp Heat Test	Cl. No.: 12.6.3 & 6 of IS 13779(AMD.5): 1999
49	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Dry Heat Test	Cl. No.: 12.6.1 OF IS 13779(AMD.5): 1999
50	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Fast Transient burst test	Cl. No.: 12.9.4 of IEC 61000-4-4 & IS 13779(AMD.5): 1999
51	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Influence of short time over currents	Cl. No.: 12.7.3 of IS 13779(AMD.5): 1999



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52	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Interpretation of test results	Cl. No.: 12.16 of IS 13779(AMD.5): 1999
53	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Protection against Penetration of dust and water	Cl. No.: 12.5 & 6 of IS 13779(AMD.5): 1999
54	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Radio interference measurements	Cl. No.: 12.9.5 of IS 13779(AMD.5): 1999
55	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Shock Test	Cl. No.: 12.3.1 of IS 13779(AMD.5): 1999
56	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Spring Hammer Test	Cl. No.: 12.3.3 OF IS 13779(AMD.5): 1999
57	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of Influence of supply voltage	Cl. No.: 12.7.2 of IS 13779(AMD.5): 1999



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58	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of ambient temperature influence	Cl. No.: 12.12 of IS 13779(AMD.5): 1999
59	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of Immunity to electromagnetic HF field	Cl. No.: 12.9.3 of IEC:61000-4-3 & IS 13779(AMD.5): 1999
60	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of Immunity to electrostatic discharge	Cl. No.: 12.9.2 of IEC: 61000-4-2 & IS 13779(AMD.5): 1999
61	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of Influence of heating	Cl. No.: 12.7.5 & 6 of IS 13779(AMD.5): 1999
62	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of Influence of self heating	Cl. No.: 12.7.4 of IS 13779(AMD.5): 1999
63	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of influence quantities	Cl. No.: 12.11 of IS 13779(AMD.5): 1999



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64	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of Meter Constant	Cl. No.: 12.15 of IS 13779(AMD.5): 1999
65	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of no- load condition	Cl. No.: 12.13 of IS 13779(AMD.5): 1999
66	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of power consumption a) Voltage Coil b) Current Coil	Cl. No.: 12.7.1 of IS 13779(AMD.5): 1999
67	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of repeatability of error	Cl. No.: 12.17 of IS 13779(AMD.5): 1999
68	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of resistance to heat & fire	Cl. No.: 12.4 & 6 of IS 13779(AMD.5): 1999
69	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Test of starting condition	Cl. No.: 12.14 of IS 13779(AMD.5): 1999



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70	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS;Class: 1 & 2;Single & Three Phase	Vibration Test (sine)	Cl. No.: 12.3.2 of IS 13779(AMD.5): 1999
71	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	AC High Voltage Test	Cl. No.: 12.7.6.3 & 6 of IS 14697(AMD.4): 1999
72	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Cold Test	Cl. No.: 12.6.2 of IS 14697(AMD.4): 1999
73	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Damp Heat Test	Cl. No.: 12.6.3 of IS 14697(AMD.4): 1999
74	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Dry Heat Test	Cl. No.: 12.6.1 of IS 14697(AMD.4): 1999
75	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Fast Transient burst test	Cl. No.: 12.8.4 of IEC:61000-4-4 & IS 14697(AMD.4): 1999



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76	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Impulse Voltage Test	Cl. No.: 12.7.6.2 & 6 of IS 14697(AMD.4): 1999
77	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Influence of short time over currents	Cl. No.: 12.7.3 of IS 14697(AMD.4): 1999
78	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Influence of supply voltage	Cl. No.: 12.7.2 of IS 14697(AMD.4): 1999
79	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Insulation Resistance Test	Cl. No.: 12.7.6.4 & 6 of IS 14697(AMD.4): 1999
80	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Interpretation of test results	Cl. No.: 12.15 of IS 14697(AMD.4): 1999
81	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Protection against Penetration of dust and water	Cl. No.: 12.5 & 6 of IS 14697(AMD.4): 1999



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82	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Radio interference measurements	Cl. No.: 12.8.5 of IS 14697(AMD.4): 1999
83	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Shock Test	Cl. No.: 12.3.1 of IS 14697(AMD.4): 1999
84	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Spring Hammer Test	Cl. No.: 12.3.3 of IS 14697(AMD.4): 1999
85	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of ambient temperature influence	Cl. No.: 12.11 of IS 14697(AMD.4): 1999
86	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of Immunity to electromagnetic HF field	Cl. No.: 12.8.3 of IEC:61000-4-3 & IS 14697(AMD.4): 1999
87	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of Immunity to electrostatic discharge	Cl. No.: 12.8.2 of IEC:61000-4-2 & IS 14697(AMD.4): 1999



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88	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of Influence of heating	Cl. No.: 12.7.5 of IS 14697(AMD.4): 1999
89	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of Influence of immunity to earth fault	Cl. No.: 12.17 of IS 14697(AMD.4): 1999
90	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of Influence of self heating	Cl. No.: 12.7.4 of IS 14697(AMD.4): 1999
91	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of influence quantities	Cl. No.: 12.10 of IS 14697(AMD.4): 1999
92	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of Meter Constant	Cl. No.: 12.14 of IS 14697(AMD.4): 1999
93	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of no- load condition	Cl. No.: 12.12 of IS 14697(AMD.4): 1999



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94	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of power consumption(a) Voltage Coil (b) Current Coil	Cl. No.: 12.7.1 of IS 14697(AMD.4): 1999
95	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of repeatability of error	Cl. No.: 12.16 of IS 14697(AMD.4): 1999
96	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of resistance to heat & fire	Cl. No.: 12.4 & 6 of IS 14697(AMD.4): 1999
97	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test of starting condition	Cl. No.: 12.13 of IS 14697(AMD.4): 1999
98	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Test on Limits of Error	Cl. No.: 11.1 & 7 of IS 14697(AMD.4): 1999
99	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS,CLASS 0.2S,0.5S AND 1.0S	Vibration Test (sine)	Cl. No.: 12.3.2 of IS 14697(AMD.4): 1999



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100	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS Class 1 & 2 (Single & Three Phase)	Impulse Voltage Test	Cl. No.: 12.7.6.2 & 6 of IS 13779: 1999
101	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLAS 1 AND 2 Single & three phase	ac High Voltage test	CL. 12.7.6.3 & 6 of IS 13779 (AMD.5): 1999
102	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub- Assembles, Accessories And Component	Damp Heat Test	IEC 60068-2-78: 2012
103	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub- Assembles, Accessories And Components	Bump Test (peak accl., max load 20kg, No. of Bump 2-4 bump/sec)	IS 9000 (Part 7/ Sec II): 2006
104	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub- Assembles, Accessories And Components	Bump Test (peak accl., max load 20kg, No. of Bump 2-4 bump/sec)	IEC 60068-2-29: 1987
105	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub- Assembles, Accessories And Components	Bump Test (peak accl., max load 20kg, No. of Bump 2-4 bump/sec)	QM333: 2010
106	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub- Assembles, Accessories And Components	Change of Temperature	IEC 60068-2-14: 2009
107	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub- Assembles, Accessories And Components	Change of temperature	IS 9000 Part 14: 1988



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108	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Damp Heat Test	IEC 60068-2-30: 2008
109	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Damp Heat Test	IS 9000 (Part 5): 1981 RA: 2007
110	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Damp Heat Test	IS 9000 (Part 4): 2008
111	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Damp Heat Test	QM333: 2010
112	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Drop & Topple Test	QM 333: 2010
113	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Drop & Topple Test	IS 9000 Part VII/Sec -3: 2006
114	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Fall Test	IS 9000 Part – VII/Sec -4: 2006
115	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Fall Test	QM 333: 2010
116	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	High Temperature	IEC 60068-2-2: 2007



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117	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	High Temperature	QM333: 2010
118	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	High Temperature	IS 9000 (Part 14): 1988 RA: 2009
119	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	High Temperature	IS 9000 (Part 3): 1977 RA: 2007
120	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	High Temperature	IEC 60068-2-14: 2009
121	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection(2nd Numeral 1-8)	IEC 60529: 2013
122	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection(2nd Numeral 1-8)	IS/IEC 60947-1: 2004
123	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection(2nd Numeral 1-8)	IEC60034-5:(2006-11): 2006
124	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection(1st Numeral 1to6)	IEC60034-5: (2006-11): 2006
125	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection(1st Numeral 1to6)	IEC 60529: 2013



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126	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Ingress Protection(1st Numeral 1to6)	IS/IEC 60947-1: 2004
127	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Low Temperature	QM333: 2010
128	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Low Temperature	IS 9000 (Part 14): 1988 RA : 2009
129	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Low Temperature	IS 9000 (Part 2): 1977 RA: 2007
130	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Low Temperature	IEC 60068-2-14: 2009
131	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Rapid temperature cyclic test	QM 333: 2010
132	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Salt Spray	IS 9000 (Part 11): 1983 (RA 2007): 2007
133	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Salt Spray	QM333: 2010
134	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Salt Spray	IEC 68-2-52: 1996



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135	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Salt Spray	IEC 68-2-11: 1981
136	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Shock Test(Half sine,max load 30kg)	IS 9000 (Part VII)Sec I): 2006
137	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Shock Test(Half sine,max load 30kg)	IEC 60068-2-27: 2008
138	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Shock(Half Sine,max load 30kg)	QM333: 2010
139	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Tensile & Compressive Force	IS 9000 (Part 19): 1986 RA: 2007
140	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Tensile & Compressive Force	IS 1608: 2005
141	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Tensile & Compressive Force	IS 13780: 1993 RA: 2009
142	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Vibration: Sine (rated force 400kgf peak bare)	QM333: 2010
143	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Vibration: Sine (rated force 400kgf peak bare)	IEC 60068-2-6: 1995



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144	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Vibration: Sine(rated force 400kgf bare)	IS 9000 (PartVIII) RA: 2009
145	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Vibration: Random(rated force 400kgf peak bare)	IEC 60068-2-64: 2008
146	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Vibration: Random(rated force 400kgf peak bare)	IEC 61373: 2010
147	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Vibration: Sine (rated force 400kgf peak bare)	JSS 55555: 2000
148	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Vibration: Sine(rated force 400kgf bare)	JSS 50101: 2001
149	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Low Temperature	IEC 60068-2-1: 2007
150	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Battery Reverse Polarity Protection	MNRE Specifications on Solar System : 2017
151	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Capacity Test of Battery	MNRE Specifications on Solar System : 2017
152	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Duty Cycle Measurement of Electronics Part	MNRE Specifications on Solar System : 2017



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153	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Efficiency Test of Electronics Part	MNRE Specifications on Solar System : 2017
154	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Indicators: Visual Inspection.	MNRE Specifications on Solar System: 2017
155	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Light Output	MNRE Specifications on Solar System : 2017
156	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Load Reconnect voltage	MNRE Specifications on Solar System : 2017
157	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Low Voltage cut-off protection of Battery	MNRE Specifications on Solar System : 2017
158	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	No load Current measurement of Electronics Part	MNRE Specifications on Solar System : 2017
159	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	No load Current Protection of Electronics Part	MNRE Specifications on Solar System : 2017
160	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Open Circuit Voltage measurement of PV Module under STC	MNRE Specifications on Solar System : 2017
161	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Overcharge Cut-off protection of Battery	MNRE Specifications on Solar System : 2017



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162	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Power Output Measurement of PV Module under STC	MNRE Specifications on Solar Systems: 2017
163	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Protection of Reverse Flow of Current through PV Module	MNRE Specifications on Solar System : 2017
164	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	PV Module Efficiency Test	MNRE Specifications on Solar System : 2017
165	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Temperature Compensation of Electronics Part	MNRE Specifications on Solar System : 2017
166	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Photo Voltaic Lighting System	Temperature Rise of Heat Sink	MNRE Specifications on Solar System : 2017
167	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Bypass Diode Testing	Cl. 4.18 of IEC 61215-2 : 2016
168	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Damp-Heat Test	Cl. 4.13 of IEC 61215-2: 2016
169	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Hail Test	Cl. 4.17 of IEC 61215-2: 2016
170	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Hot-spot Endurance Test	Cl. 4.9 of IEC 61215-2 : 2016



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171	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Humidity-Freeze Test	Cl. 4.12 of IEC 61215-2 : 2016
172	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Insulation Test	Cl. 4.3 of IEC 61215-2: 2016
173	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Maximum Power Determination	Cl. 4.2 of IEC 61215-2: 2016
174	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Measurement of Nominal Module Operating Temp.	Cl. 4.5 of IEC 61215-2: 2016
175	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Measurement of Temperature Coefficients	Cl. 4.4 of IEC 61215 -2: 2016
176	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Outdoor Exposure Test	Cl. 4.8 of IEC 61215-2 : 2016
177	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Performance at Low Irradiance	Cl. 4.7 of IEC 61215-2 : 2016
178	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Performance at STC and NMOT	Cl. 4.6 of IEC 61215-2 : 2016
179	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Robustness of Terminations Test	Cl. 4.14 of IEC 61215-2 : 2016



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180	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Stabilization	Cl. 4.19 of IEC 61215-2 : 2016
181	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Static Mechanical Load Test	Cl. 4.16 of IEC 61215-2 : 2016
182	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Thermal Cycling Test	Cl. 4.11 of IEC 61215-2 : 2016
183	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Visual Inspection	Cl. 8 (a to k) of IEC 61215-1 : 2016 & Cl. 4.1 of IEC 61215-2 : 2016
184	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Solar PV Module	Wet Leakage Current Test	Cl. 4.15 of IEC 61215-2 : 2016
185	ELECTRICAL- SAFETY TESTING FACILITY	Electrical apparatus in Explosive Gas Atmospheres - General Requirements	Compliance of Prototype or sample with documents	Cl. no. 25 of IEC 60079-0 : 2017
186	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Charging Test (measurement of capacitance)	Cl. no. 26.14 of IEC 60079-0: 2017
187	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Compliance of prototype or sample with documents	Cl. no.25 of IS/IEC 60079-0 : 2011
188	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Drop test	Cl. no. 26.4.3 of IS/IEC 60079-0: 2011



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189	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Drop test	Cl. no. 26.4.3 of IEC 60079-0: 2017
190	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Ingress protection test (IP 1X to 6X & IP X1 to X7/ X8) for rotating & non-rotating machine	Cl. no. 26.4.5 of IEC 60079-0: 2017
191	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Resistance to Chemicals agents for Group I electrical apparatus	Cl. no. 26.11 of IS/IEC 60079-0: 2011
192	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Resistance to Chemicals agents for Group I electrical apparatus	Cl. no. 26.11 of IEC 60079-0: 2017
193	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Resistance to Impact Test	Cl. no. 26.4.2 of IS/IEC 60079-0: 2011
194	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Thermal Endurance to cold (Non-metallic)	Cl. no. 26.9 of IEC 60079-0: 2017
195	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Thermal Endurance to heat (non-metallic)	Cl. no. 26.8 of IEC 60079-0: 2017
196	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Thermal Shock Test for Glass parts	Cl. no. 26.5.2 of IEC 60079-0: 2017
197	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Thermal Shock Test for Glass parts	Cl. no. 26.5.2 of IS/IEC 60079-0: 2011



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198	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Torque Test for bushings	Cl. no. 26.6 of IS/IEC 60079-0: 2011
199	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Torque Test for bushings	Cl. no. 26.6 of IEC 60079-0: 2017
200	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements	Charging Test(measurement of capacitance)	Cl. no. 26.14 of IS/IEC 60079-0: 2011
201	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements	Resistance to Impact Test	Cl. No 26.4.2 and A 3.3 of IEC 60079-0: 2017
202	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements	Surface resistance test of non-metallic materials (Resistance measurement after conditioning)	Cl. no. 26.13 of IEC 60079-0: 2017
203	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements	Surface resistance test of non-metallic materials (Resistance measurement after conditioning)	Cl. no. 26.13 of IS/IEC 60079-0: 2011
204	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements	Temperature Measurement	Cl. no. 26.5.1 of IS/IEC 60079-0: 2011
205	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements	Temperature Measurement	Cl. no. 26.5.1 of IEC 60079-0: 2017
206	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements	Thermal Endurance to cold (Non-metallic)	Cl. no. 26.9 of IS/IEC 60079-0: 2011



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207	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements	Thermal Endurance to heat (non-metallic)	Cl. no. 26.8 of IS/IEC 60079-0:: 2011
208	ELECTRICAL-SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres-General Requirements	Ingress protection test (IP 1X to 6X & IP X1 to X7/ X8) for rotating & non-rotating machines	Cl. no. 26.4.5 of IS/IEC 60079-0: 2011
209	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	AC Current	IS/IEC 60079-11: Cls. 10.10, : 2006
210	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	AC Current	IEC 60079-11: Edition 6.0 Cls. 10.10: 2011
211	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	AC Voltage	IS/IEC 60079-11: Cls. 10.10: 2006
212	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	AC Voltage	IEC 60079-11: Edition 6.0 Cls. 10.10: 2011
213	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Clearance	IS/IEC 60079-11: Cls. 6.3: 2006
214	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Clearance	IEC 60079-11: Edition 6.0 Cls. 6.3: 2011
215	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Comparative tracking index(CTI)	IS/IEC 60079-11: Cls. 6.3,8 : 2006



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216	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Comparative tracking index(CTI)	IEC 60079-11: Edition 6.0 Cls. 6.3.9: 2011
217	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Creepage distances	IEC 60079-11: Edition 6.0 Cls. 6.2.1: 2011
218	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Creepage distances	IS/IEC 60079-11: Cls. 6.2.1, : 2006
219	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	DC Current	IEC 60079-11: Edition 6.0 Cls. 10.1.5: 2011
220	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	DC Current	IS/IEC 60079-11: Cls. 10.1.5: 2006
221	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	DC Voltage	IS/IEC 60079-11: Cls. 7.4.: 2006
222	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	DC Voltage	IEC 60079-11: Edition 6.0 Cls. 7.4.4: 2011
223	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Dielectric Withstanding Voltage (HV Test)	IS/IEC 60079-11: Cl.10.3: 2006
224	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Dielectric Withstanding Voltage (HV Test)	IEC 60079-11: Edition 6.0 Cls. 10.3: 2011



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225	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Force	IEC 60079-11: Edition 6.0 Cls. 10.6.1: 2011
226	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Force	IS/IEC 60079-11: Cls.10.6.1 : 2006
227	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Marking	IS/IEC 60079-11: Cls. 12, : 2006
228	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Marking	IEC 60079-11: Edition6.0 Cls. 12: 2011
229	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Spark Test	IEC 60079-11: Edition 6.0 Cls. 10.1: 2011
230	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Spark Test	IS/IEC 60079-11: Cls.10.1, : 2006
231	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Spark Test : DC Current	IEC 60079-11: Edition 6.0 Cls. 10.1: 2011
232	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Spark test, DC Current	IS/IEC 60079-11: Cl. no.10.1: 2006
233	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Spark Test: Gas Mixture (Vol%)	IEC 60079-11: Edition 6.0 Cls. 10.1: 2011



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234	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Spark Test: Gas Mixture (Vol%)	IS/IEC 60079-11: Cls.10.1: 2006
235	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Spark Test: Time	IEC 60079-11: Edition 6.0 Cls. 10.1: 2011
236	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Spark Test: Time	IS/IEC 60079-11: Cls.10.1, : 2006
237	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Temperature rise test of battery	IS/IEC 60079-11 Cl. 10.5.3 : 2006
238	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i',	Temperature rise test of battery	IEC 60079-11 Edition 6.0 Cl. 10.5.3: 2011
239	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nR',	Electric Strength Test	IEC 60079-15: Clause 6.2: 2017
240	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nR',	Surface Temperature	IEC 60079-15: Cls. 5: 2017
241	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nA' & 'nR',	Clearance	IS/IEC 60079-15: Clause 6.4: 2010
242	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nA' & 'nR',	Creepage distance	IS/IEC 60079-15: Clause 6.4: 2010



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243	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nA' & 'nR',	Electric Strength Test	IS/IEC 60079-15: Clause.6.5: 2010
244	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nA' & 'nR',	Radial Air Gap	IS/IEC 60079-15: Clause.8: 2010
245	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection Protection by Type of 'nR',	Test for restricted Breathing enclosure	IEC 60079-15: Cls. 11.3: 2017
246	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection Protection by Type of 'nA' & 'nR',	Comparative tracking Index(CTI)	Table 3 of IS/ IEC 60079-15: 2010
247	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection Protection by Type of 'nA' & 'nR',	Surface Temperature	IS/IEC 60079-15: Cls. 5: 2010
248	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection Protection by Type of 'nA' & 'nR',	Test for restricted Breathing enclosure	IS/IEC 60079-15: Ed.4.0, Cls 22.6: 2010
249	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmosphere Part 15, Equipment Protection Protection by Type of 'nA' & 'nR',	Thermal Endurance to Heat	IS/IEC 60079-15: Ed.4.0, Cls. 22.3.1.1: 2010
250	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Determination of explosion Pressure (reference pressure)	IS/IEC 60079-1: Cl. no. 15.1.2 : 2007
251	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Determination of explosion Pressure (reference pressure)	IS/IEC 60079-1: Cl. no. 15.2.2: 2014



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252	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Flammability Test – Non Metallic Parts	IS/IEC 60079-1: Cl. no. 19.3.2 : 2007
253	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Impact Test for Ex thread adapters	IS/IEC 60079-1: Edition 7.0 Cls. C 3.4.2: 2014
254	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Impact Test for Ex thread adapters	IS/IEC 60079-1: Cls. C 3.4.2 : 2007
255	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Over Pressure Test - 3 X Ref Pressure	IS/IEC 60079-1: Cl. no. 15.2.3.2: 2014
256	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Over Pressure Test – 1.5 X Ref. Pressure, 4 X Ref. Pressure	IS/IEC 60079-1: Cl. no. 15.2.3.2: 2014
257	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Over Pressure Test – 1.5 X Ref. Pressure, 4 X Ref. Pressure	IS/IEC 60079-1: Cl. no. 15.1.3.1: 2007
258	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Over Pressure Test for Ex stopping plugs/Blanking elements	IS/IEC 60079-1: Cl. no. C 3.3.2 : 2007
259	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Over Pressure Test for Ex stopping plugs/Blanking elements	IS/IEC 60079-1: 2014 Edition 7.0 Cls. C 3.3.2: 2014
260	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Over pressure test for Ex thread adaptors	IS/IEC 60079-1: Cls. C 3.4.3 : 2007



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261	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Over pressure test for Ex thread adaptors	IS/IEC 60079-1: Edition 7.0 Cls. C 3.4.3: 2014
262	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Over Pressure Test for Ex-component Enclosures	IS/IEC 60079-1: Cls. D.3.7 : 2007
263	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Over Pressure Test for Ex-component Enclosures	IS/IEC 60079-1: Edition 7.0 Cls. D 3.7: 2014
264	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Pressure Determination with Obstruction Plate	IS/IEC 60079-1: Edition 7.0 Cl. D 3.6: 2014
265	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Pressure Determination with Obstruction Plate	IS/IEC 60079-1: Cls. D.3.6 : 2007
266	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Test for Non- Transmission of an internal ignition	IS/IEC 60079-1: Cl. no. 15.2 : 2007
267	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Test for Non- Transmission of an internal ignition	IS/IEC 60079-1: Cl. 15.3: 2014
268	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Tests for flameproofness including ability to withstand pressure, Erosion by flame and Non Transmission of internal ignition	IS/IEC 60079-1: Cl. no. 19.3.1 : 2007
269	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Tests for flameproofness including ability to withstand pressure, Erosion by flame and Non Transmission of internal ignition	IS/IEC 60079-1: Cl no.. 19.3 & Cl. no. 19.4: 2014



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270	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Torque Test for Ex stopping plugs/Blanking elements	IS/IEC 60079-1 (Cl. C 3.3.1): 2014
271	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Torque Test for Ex stopping plugs/Blanking elements	IS/IEC 60079-1: Cl. no. C 3.3.1 : 2007
272	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Torque Test for Ex thread adapters (Torque test)	IS/IEC 60079-1 (Cl. C 3.4.1): 2014
273	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d"	Torque Test for Ex thread adapters (Torque test)	IS/IEC 60079-1: Cls. C 3.4.1 : 2007
274	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e"	Cage rotor construction	IS/IEC 60079-7: Cls. 6.2.3.2.; 2006
275	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e"	Cage rotor construction	IS/IEC 60079-7: Ed.5.0, Cls. 6.2.3.2 : 2015
276	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e"	Clearance	IS/IEC 60079-7: Ed 5.0, Cls 4: 2015
277	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e"	Clearance	IS/IEC 60079-7: Cls. 4, : 2006
278	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e"	Conductor dimension	IS/IEC 60079-7: Ed 5.0, Cls 4: 2015



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279	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Conductor dimension	IS/IEC 60079-7: Cls. 4, : 2006
280	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Creepage distance	IS/IEC 60079-7: Cls. 4, : 2006
281	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Creepage distance	IS/IEC 60079-7: Ed 5.0, Cls 4: 2015
282	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Determination of starting current ratio	IEC 60079-7: Ed.5.0, Cls. 6.2.1 Annexure A : 2015
283	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Determination of starting current ratio	IS/IEC 60079-7: Cls. 6.2.1, & Annexure A: 2006
284	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Determination of Time tE	IS/IEC 60079-7: Annexure A: 2006
285	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Determination of Time tE	IS/IEC 60079-7: Ed.5.0, Annexure A: 2015
286	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Dielectric Strength Test	IS/IEC 60079-7: Ed 5.0, Cls 6.1: 2015
287	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Dielectric Strength Test	IS/IEC 60079-7: Cls. 6.1: 2006



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288	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	General Purpose connection and junction boxes measurement of temperature and power dissipated	IS/IEC 60079-7: Cls. 6.7, : 2006
289	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	General Purpose connection and junction boxes measurement of temperature and power dissipated	IS/IEC 60079-7: Ed.5.0, Cls. 6.8: 2015
290	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Supplementary requirements	IS/IEC 60079-7: Ed 5.0, Cls 5: 2015
291	ELECTRICAL-SAFETY TESTING FACILITY	Explosive Atmospheres Part 7Equipment Protection by Increased Safety "e"	Supplementary requirements	IS/IEC 60079-7: Cls. 5, : 2006
292	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	A.C power frequency voltage test , Cl : 6.10.2.5	IEC 62052-31:2015, Edition 1.0 : 2015
293	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Screws , current carrying parts & connectors cl. 18	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017
294	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Components cl.14	IEC 60065:2014-06/ IS 616: 2017
295	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Clearance and Creepage distancescl.13	IEC 60065:2014-06/ IS 616: 2017



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296	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements: Amplifiers / Optical Disc Players with built in amplifiers; Power adapter for Audio, Video & similar Electronic apparatus; Loud speakers / Head phones;	Resistance to fire cl.20	IEC 60065:2014-06/ IS 616: 2017
297	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Constructional requirements with regard to the protection against electric shock cl.8	IEC 60065:2014-06/ IS 616: 2017
298	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Electric shock hazard under normal operating conditions cl.9	IEC 60065:2014-06/ IS 616: 2017
299	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Electrical connections and mechanical fixings cl.17	IEC 60065:2014-06/ IS 616: 2017
300	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	External Flexible Cords cl.16	IEC 60065:2014-06/ IS 616: 2017
301	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Fault conditions Cl.11	IEC 60065:2014-06/ IS 616: 2017
302	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Fault conditions Cl.11	IEC 60065:2014-06/ IS 616: 2017
303	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Impact Test Cl.12.7.3.5	IEC 60065:2014-06/ IS 616: 2017



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304	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Marking cl. 5	IEC 60065:2014-06/ IS 616: 2017
305	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Provision for protective earthingcl.15.2	IEC 60065:2014-06/ IS 616: 2017
306	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Stability and mechanical Hazardscl.19	IEC 60065:2014-06/ IS 616: 2017
307	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Heating under normal operating conditionscl. 7	IEC 60065:2014-06/ IS 616: 2017
308	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Hazardous radiationcl. 6.1	IEC 60065:2014-06/ IS 616: 2017
309	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Mechanical strength of picture tube and protection against the effects of implosioncl.18	IEC 60065:2014-06/ IS 616: 2017
310	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Electric shock hazard under normal operating conditions cl.9.1.7	IEC 60065:2014-06/ IS 616: 2017
311	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Insulation requirementscl.10	IEC 60065:2014-06/ IS 616: 2017
312	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video And Similar Electronic Apparatus – Safety Requirements	Constructional requirements with regard to the protection against electric shockcl.8	IEC 60065:2014-06/ IS 616: 2017



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313	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	A.C power frequency voltage test , CI : 6.10.4.4.2.2	IEC 62052-31 (Edition 1.0): 2015
314	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	A.C power frequency voltage test , CI : 6.10.4.4.2.2	IEC 62052-31 (Edition 1.0): 2015
315	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	A.C power frequency voltage test , CI : 6.10.2.5	IEC 62052-31 (Edition 1.0): 2015
316	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Clearances , CI: 6.7.2.2	IEC 61010-1 (Edition 3.0): 2010
317	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Components and subassemblies , CI: 13.0	IEC 62052-31 (Edition 1.0): 2015
318	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Connection to External Circuit : CI : 6.6	IEC 61010-1 (Edition 1.0): 2010
319	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Creepage distances , CI : 6.7.2.3	IEC 62052-31 (Edition 1.0): 2015



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320	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	DC voltage test CI : 6.10.2.6	IEC 62052-31 (Edition 1.0): 2015
321	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Dielectric test on sub - assemblies , CI : 6.10.4.4	IEC 62052-31 (Edition 1.0): 2015
322	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Equipment temperature limits and resistance to heat, CI : 10.0	IEC 62052-31 (Edition 1.0): 2015
323	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Humidity treatment CI : 6.10.4.2	IEC 62052-31 (Edition 1.0): 2015
324	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Humidity treatment : CI : 6.10.4.2	IEC 62052-31: 2015
325	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Impulse voltage CI : 4.4	IEC 62052-31 (Edition 1.0) : 2015
326	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Impulse voltage test , CI : 6.10.4.3.3	IEC 62052-31 (Edition 1.0) : 2015



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327	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Information & Marking requirements , cl : 5.0	IEC 62052-31 (Edition 1.0) : 2015
328	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Insulation Requirements	IEC 62052-31 (Edition 1.0) : 2015
329	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Limit values for Accessibility parts Cl: 6.3	IEC 62052-31 (Edition 1.0) : 2015
330	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Long term over voltage test , Cl : 6.10.3.2	IEC 62052-31 (Edition 1.0): 2015
331	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Non metallic enclosure, Cl : 10.5.1	IEC 62052-31 (Edition 1.0) : 2015
332	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Primary means of Protection, Cl : 6.4	IEC 62052-31 (Edition 1.0) : 2015
333	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Protection against Electric Shock, Cl : 6.0	IEC 62052-31 (Edition 1.0) : 2015



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334	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Protection against liberated gases and substances , explosion and implosion , Cl : 12.0	IEC 62052-31 (Edition 1.0) : 2015
335	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Protection against mechanical hazards, Cl: 7.0	IEC 62052-31 (Edition 1.0) : 2015
336	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Protection against penetration of dust & water , Cl : 11.0	IEC 62052-31 (Edition 1.0) : 2015
337	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Protection against spread of fire , Cl : 9.0	IEC 62052-31 (Edition 1.0) : 2015
338	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Protective Bonding : Additional means of protection , Cl : 6.5.2	IEC 62052-31 (Edition 1.0) : 2015
339	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Provision for lifting and carrying, Cl : 7.3	IEC 62052-31 (Edition 1.0) : 2015
340	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Resistance to mechanical stresses , Cl : 8.0	IEC 62052-31 (Edition 1.0) : 2015



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341	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Risk assessment, Cl : 15.0	IEC 62052-31 (Edition 1.0) : 2015
342	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Sharp edges, Cl : 7.2	IEC 62052-31 (Edition 1.0) : 2015
343	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Spring hammer test, Cl : 8.2	IEC 62052-31 (Edition 1.0) : 2015
344	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Temperature measurement of heating equipment	IEC 62052-31 (Edition 1.0) : 2015
345	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-general requirements, tests and test conditions- Part 31: Product safety requirements and tests	Tracking Index , Cl : 6.7.2.3	IEC 62052-31 (Edition 1.0): 2015
346	ELECTRONICS-SAFETY TESTING FACILITY	Electricity metering equipment (AC)-General requirements, tests and test conditions-Part 31: Product safety requirement and tests	Accessibility, Cl : 6.2	IEC 62052-31 (Edition 1.0) : 2015



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347	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Abnormal operation cl.19.7 (maximum winding temperature)	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
348	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Clearances, Creepage distances and solid Insulation. cl.29	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:200:2016



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349	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Components Cl. 24	IEC 60335-1:2010+AMD1:2013+A MD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
350	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Constructions cl.22	IEC 60335-1:2010+AMD1:2013+A MD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008: 2016



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351	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Electric strength cl. 16	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
352	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Electric strength at operating temperature cl. 16.3	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016



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353	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Endurance cl.18	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
354	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Heating cl. 11	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016



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355	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Internal wiring cl.23	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
356	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Leakage current and electric strength cl. 16	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016



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357	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Leakage current and electric strength at operating temperature cl. 13	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
358	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Marking and Instructions cl. 7	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008: 2016



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Laboratory Name ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARAGANAS NORTH, WEST BENGAL , INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 14/03/2020 to 13/03/2022 Last Amended on -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
359	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Mechanical strength cl.21	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
360	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Moisture resistance cl. 15 Moisture resistance cl. 15	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016



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361	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Overload protection of transformers and associated circuits cl.17	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
362	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Power input and current cl. 10	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016



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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
363	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Power input and current cl. 10	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
364	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Protection against access to live parts cl. 8	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016



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365	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Provision for earthing Cl 27	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
366	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Radiation, Toxicity and similar Hazards cl.32	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016



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367	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Resistance to heat and fire cl. 30	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008: 2016
368	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Resistance to rusting cl. 31	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016



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369	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Screws and connection cl. 28	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
370	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Stability and mechanical hazards CI 20	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008: 2016



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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
371	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Starting of motor operated appliances cl. 9	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
372	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Supply connections and external flexible cords cl. 25	IEC 60335-1:2010+AMD1:2013+AMD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016



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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
373	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Terminals for external conductors cl. 26	IEC 60335-1:2010+AMD1:2013+A MD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
374	ELECTRONICS-SAFETY TESTING FACILITY	House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens & Part 2-26: Clocks	Transient Over Voltages cl. 14	IEC 60335-1:2010+AMD1:2013+A MD2:2016 CSV, IEC 60335-2-25:2010+AMD1:2014+AMD2:2015 CSV, IEC 60335-2-26:2010+AMD1:2008 CSV , IS 302-2-26:2014, IS 302-2-25:2014, IS 302-1:2008 : 2016
375	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Connection to cable distribution system cl.7	IEC 60950-1:2005+AMD1:2009+A MD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016



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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
376	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Connection to cable distribution system cl.7.4.3 (impulse test)	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
377	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Connection to telecommunication networks cl.6	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
378	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Connection to telecommunication networks cl.6.2.2.1 (impulse test)	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
379	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Connection to telecommunication networks cl.6.2.2.3	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016



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380	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Durability cl.1.7.11	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015 (Reaffirmed 2016): 2016
381	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-Safety Part 1 General requirements	Electrical requirements and simulated abnormal conditions cl.5	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV IS13252(Part 1):2010 (Reaffirmed 2016): 2010
382	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Electrical requirements and simulated abnormal conditions cl.5.1 (Touch current and protective conductor current)	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
383	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Electrical requirements and simulated abnormal conditions cl.5.2 (Electric strength)	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016



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384	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Input current cl.1.6.2	IEC 60950-1:2005+AMD1:2009+A MD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
385	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Insulation of conductors cl.3.1.4	IEC 60950-1:2005+AMD1:2009+A MD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
386	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Physical requirements cl. 4	IEC 60950-1:2005+AMD1:2009+A MD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
387	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-Safety Part 1 General requirements	Physical requirements cl. 4	IEC 60950-1:2005+AMD1:2009+A MD2:2013CSV IS13252(Part 1):2010 (Reaffirmed 2016): 2010



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388	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Physical requirements cl. 4.2 (Mechanical strength)	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
389	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Power interface/ Input current cl.1.6.2	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
390	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Protection from hazards cl. 2	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
391	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-Safety Part 1 General requirements	Protection from hazards cl. 2	IEC 60950-1:2005+AMD1:2009+AMD2:2013CSV IS13252(Part 1):2010 (Reaffirmed 2016): 2010



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392	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Protection from hazards cl. 2.1.1.1 (Access to energized parts)	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
393	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Protection from hazards cl. 2.1.1.1 (Access to energized parts)	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016
394	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Protection from Hazards, Cl. 2	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV IS13252(Part 1):2010 (Reaffirmed 2016): 2010
395	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Temperature limits for materials cl. 4. 5.3	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016): 2016



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396	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Wiring , connections and supply cl.3	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015 RA: 2016
397	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Wiring , connections and supply cl.3.1.4 (Insulation of conductors)	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016) : 2016
398	ELECTRONICS-SAFETY TESTING FACILITY	Information technology equipment-safety Part 1 General requirements	Wiring , connections and supply cl.3.2.2 (Multiple supply connections)	IEC 60950-1:2005+AMD1:2009+AMD2:2013 CSV,IS13252(Part 1):2010 + AMD1:2013+AMD2:2015(Reaffirmed 2016) : 2016
399	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Components cl. 14	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017) : 2017



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400	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Creepage & clearance cl. 13	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017
401	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Electric strength cl. 12	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017
402	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Marking , CL 7.0	IEC 61347-2-13:2015+AMD1:2017C SV;IS :15885(PART2/SEC13: 2012) REAFFIRME 2017: 2017
403	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Moisture Resistance & Insulation Resistance cl. 11	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017
404	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Moisture Resistance & Insulation Resistance cl. 11	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017



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405	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Protection against accidental contact with live parts cl. 8	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017
406	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Provision for earthing cl. 10	IS 13021 (Pt. I):1991/ IEC 61347-2-3:2011-05 IEC 61347-2-13:2014-09 IS15885(Part 2/Sec 13):2012: 2017
407	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Resistance to corrosion cl. 20	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017
408	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Resistance to heat & fire cl. 19	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017
409	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Resistance to heat & fire cl. 19	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017



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410	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Screws , current carrying parts & connectors cl. 18	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017
411	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Terminal cl. 9	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017
412	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Terminal cl. 9	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017
413	ELECTRONICS-SAFETY TESTING FACILITY	Lamp Controlgear- Part 2-13: Particular requirements for DC or AC supplied Electronic Control gear for LED Modules	Transformer heating cl. 15	IEC 61347-2-13:2015+AMD1:2017C SV ,IS 15885(Part 2/Sec 13):2012 (REAFFIRMED :2017): 2017



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414	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Construction cl. 4	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017
415	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Creepage distances and clearances cl. 11	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017



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416	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Creepage distances and clearances cl. 11	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017
417	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Endurance tests and thermal test cl. 12	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017



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418	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Insulation resistance and electric strength, touch current and protective conductor current, cl. 10.0	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017
419	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Marking cl. 6	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017



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420	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Protection for earthing cl. 7	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017
421	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Protective against electric shock cl. 8	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017



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422	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Resistance of tracking cl. 13.4	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017
423	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Resistance to Dust, solid objects and Moisture cl. 9	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017



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424	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Resistance to heat and fire cl. 13.2, 13.3	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017
425	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Screw less terminals and electrical connections cl. 15	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017



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426	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Screw terminals cl. 14	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017
427	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Screw terminals cl. 14	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017



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428	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Screwless terminal and Electrical connections cl.15	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017
429	ELECTRONICS-SAFETY TESTING FACILITY	Luminaries, Part 1 General requirements and tests	Terminals cl. 10	IEC 60598-1:2014+AMD1:2017 CSV / IS 10322-1 :2014 (Reaffirmed 2017)/ IEC 60598-2-1:2014 + AMD1:2017 CSV/ IEC 60598-2-3:2011-11/ IEC 60598-2-5 :2015-08 IS10322 (part 5/ Sec-1): 2012: 2017
430	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Circuits or components used as Transient over voltage limiting devices , cl no. 14.8	IEC 61010-1 (Edition 3.0) : 2010
431	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Clearances and creepage distances, Cl : 6.7.1.2	IEC 62052-31 (Edition 3.0): 2015
432	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Components and subassemblies , Cl: 14.0	IEC 61010-1 (Edition 3.0): 2010



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433	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Connection to External Circuit : Cl : 6.6	IEC 62052-31 (Edition 1.0): 2015
434	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Creepage distances , Cl : 6.7.2.3	IEC 61010-1 (Edition 3.0): 2010
435	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for Electrical equipment for measurement, control and laboratory use	Determination of accessible parts, Cl : 6.2	IEC 61010-1 (Edition 3.0): 2010
436	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Drop test , cl no. 8.3	IEC 61010-1 (Edition 3.0): 2010
437	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Dynamic test, cl no. 8.2.2	IEC 61010-1 (Edition 3.0): 2010
438	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Hazards resulting from application , cl no. 16.0	IEC 61010-1 (Edition 3.0): 2010
439	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Information & Marking requirements , cl : 5.0	IEC 61010-1 (Edition 3.0): 2010
440	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Insulation Requirements	IEC 61010-1 (Edition 3.0): 2010
441	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Limit values for Accessibility parts Cl: 6.3	IEC 61010-1 (Edition 3.0): 2010



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442	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Marking and documentation, CI : 5	IEC 61010-1 (Edition 3.0): 2010
443	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Primary means of Protection , CI : 6.4	IEC 61010-1 (Edition 3.0) : 2010
444	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Procedure for voltage tests, CI : 6.8	IEC 61010-1 (Edition 3.0): 2010
445	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for Electrical equipment for measurement, control and laboratory use	Protection against electric shock , CI : 6.0	IEC 61010-1 (Edition 3.0): 2010
446	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Protection against electric shock, CI : 6.0	IEC 61010-1 (Edition 3.0) : 2010
447	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Protection against Electric Shock, CI : 6.0	IEC 61010-1 (Edition 3.0) : 2010
448	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Protection against hazards from liquids, CI : 11.0	IEC 61010-1 (Edition 3.0) : 2010
449	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Protection against hazards from liquids, CI : 11.2	IEC 61010-1 (Edition 3.0) : 2010
450	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Protection against liberated gases and substances, explosion and implosion, cl no. 13	IEC 61010-1 (Edition 3.0): 2010



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451	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Protection against mechanical hazards, Cl: 7.0	IEC 61010-1 (Edition 3.0) : 2010
452	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Protection against spread of fire, Cl : 9.0	IEC 61010-1 (Edition 3.0) : 2010
453	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Resistance to heat, Cl : 10.0	IEC 61010-1 (Edition 3.0): 2010
454	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Resistance to mechanical stresses , Cl : 8.0	IEC 61010-1 (Edition 3.0) : 2010
455	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Resistance to mechanical stresses , Cl : 8.0	IEC 61010-1 (Edition 3.0) : 2010
456	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Risk assessment, Cl : 17.0	IEC 61010-1 (Edition 3.0) : 2010
457	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Static test , cl no. 8.2.1	IEC 61010-1 (Edition 3.0) : 2010
458	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Temperature Cl : 4.4.4.2	IEC 61010-1 (Edition 3.0) : 2010
459	ELECTRONICS-SAFETY TESTING FACILITY	Safety requirements for electrical equipment for measurement, control and laboratory use	Testing in single fault conditions Cl : 4.4	IEC 61010-1 (Edition 3.0) : 2010



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460	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Cap temperature cl. 10	IS 16102 (Part 1): 2012 RA: 2017
461	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Creepage distances and clearancescl. 14	IS 16102 (Part 1): 2012 RA: 2017
462	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Fault Conditioncl. 13	IS 16102 (Part 1): 2012 RA: 2017
463	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Insulation resistance and electric strength after humidity treatment cl. 8.1.1 & cl. 8.2	IS 16102 (Part 1): 2012 RA: 2017
464	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Interchangeability cl. 6	IS 16102 (Part 1): 2012 RA: 2017
465	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Mechanical Strength cl. 9	IS 16102 (Part 1): 2012 RA: 2017
466	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Protection against Electric Shock cl. 7	IS 16102 (Part 1): 2012 RA: 2017
467	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Resistance to flame and ignitioncl. 12	IS 16102 (Part 1): 2012 RA: 2017
468	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Resistance to heat cl. 11 (Ball Pressure)	IS 16102 (Part 1): 2012 RA: 2017



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469	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Resistance to heat cl. 11 (Ball Pressure)	IS 16102 (Part 1): 2012 RA: 2017
470	ELECTRONICS-SAFETY TESTING FACILITY	Self Ballasted LED Lamps for general Lighting Services Part 1 Safety requirements	Marking cl. 5	IS 16102 (Part 1): 2012 RA: 2017
471	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Connection to telecommunication networks cl.9	IS 16242 (Part 1): 2014
472	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Connection to telecommunication networks cl.9	IS 16242 (Part 1): 2014
473	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Electrical requirements and simulated abnormal conditions cl.8	IS 16242 (Part 1): 2014
474	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Marking cl. 4.7	IS 16242 (Part 1): 2014
475	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Over current and earth fault condition Cl 5.5	IS 16242 (Part 1): 2014
476	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Over current and earth fault condition Cl 5.5	IS 16242 (Part 1): 2014
477	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Physical requirements cl. 7	IS 16242 (Part 1): 2014



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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
478	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Physical requirements cl. 7	IS 16242 (Part 1): 2014
479	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Physical requirements cl. 7	IS 16242 (Part 1): 2014
480	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Protection against electric shock and electrical hazard cl.5.1	IS 16242 (Part 1): 2014
481	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Protective Earthing and bonding CI 5.3.2 & 5.3.3	IS 16242 (Part 1): 2014
482	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Requirement of auxiliary circuits CI 5.2	IS 16242 (Part 1): 2013
483	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Requirement of auxiliary circuits CI 5.2	IS 16242 (Part 1): 2014
484	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Safety interlock CI 5.6	IS 16242 (Part 1): 2014
485	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Safety interlock CI 5.6	IS 16242 (Part 1): 2014
486	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Wiring, connections and supply cl. 6	IS 16242 (Part 1): 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARAGANAS NORTH, WEST BENGAL , INDIA

Accreditation Standard ISO/IEC 17025:2017

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487	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Wiring, connections and supplycl. 6	IS 16242 (Part 1): 2014
488	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Wiring, connections and supplycl. 6	IS 16242 (Part 1): 2014
489	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Supply (UPS) Part 1 General & safety requirements for UPS	Wiring, connections and supplycl. 6	IS 16242(Part 1): 2014