National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 1 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static ,Direct Connected Static Prepayment Meters for Active Energy & smart meters (Class 1 and 2)	Test of influence Quantities/ Magnetic Influence Tests	IS 13779 Cl. No.12.11 / IS 15884 Cl. No. 4.6.2 /IS 16444 Cl. No. 6.12
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static meter / Prepayment Meters /Smart meter for Active Energy (Class 1 and 2)	Spring hammer test	IS 13779 Cl. 12.3.3/ IS 15884 Cl. No. 5.2.1/ IS 16444 Cl. No. 6.5
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static meter, Prepayment Meters, Smart meter for Active Energy (Class 1 and 2)	Limits of Error due to variation of current	IS 13779 Cl. No. 11.1, IS 15884 Cl. No. 4.6.1/IS 16444 Cl. No. 6.12
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static meter/ Prepayment Meters /Smart meter for Active Energy (Class 1 and 2)	Test of starting condition	IS 13779 Cl. No. 12.14 /IS 15884 Cl. No. 5.6.4/IS 16444 Cl. No. 6.12
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static meter/ Prepayment Meters/ Smart meters for Active Energy (Class 1 and 2)	Test of Repeatability of error	IS 13779 Cl. No. 12.17 /IS 15884 Cl. No. 5.6.7/IS 16444 Cl. No. 6.12
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static meter/Prepayment Meters /Smart Meterfor Active Energy (Class 1 and 2)	Test of no-load condition	IS 13779 Cl. No. 12.13/IS 15884 Cl. No. 5.6.3/IS 15884 Cl. No. 6.12
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static meter/Prepayment Meters, Smart meter for Active Energy (Class 1 and 2)	Test of meter constant	IS 13779 Cl. No. 12.15 / IS 15884 Cl. No. 5.6.5 /IS 16444 Cl. No. 6.12
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static meters/ Prepayment Meters / Smart Meters for Active Energy (Class 1 and 2)	Test of influence of supply voltage	IS 13779 Cl. No. 12.7.2 /IS 15884 Cl No. 5.4.2 /IS 16444 Cl. No. 6.10.2
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static meters/ Prepayment Meters /Smart meters for Active Energy (Class 1 and 2)	Repeatability of error	IS 13779 Cl. No. 12.17 /IS 15884 Cl. No. 5.6.7/IS 16444 Cl. No. 6.12
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy & Smart Meter (Class 1 and 2)	Test of influence of self-heating	IS 13779 Cl. No. 12.7.4/ IS 15884 Cl. No. 5.4.4 / IS 16444 Cl. No. 6.10.4

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 2 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy & Smart Meters (Class 1 and 2)	Test of influence of Heating	IS 13779 Cl. No. 12.7.5 / IS 15884 Cl. No. 5.4.5 / IS 16444 Cl. No. 6.10.5
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy & Smart Meters (Class 1 and 2)	Test of influence of self-heating	IS 15884 Cl. No. 5.4.4 / IS 16444 Cl. No. 6.10.4
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy & Smart Meters (Class 1 and 2)	Test of power consumption (Current circuit)	IS 13779 Cl. No.12.7.1 / IS 15884 Cl. No. 5.4.1/ IS 16444 Cl. No. 6.10.1.2
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy & Smart Meters (Class 1 and 2)	Test of power consumption (voltage circuit)	IS 13999 Cl. No. 12.7.1 /IS 15884 Cl. No. 5.4.1/ IS 16444 Cl. No. 6.10.1.1
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	AC Voltage Test	IS 13779 Cl. No. 12.7.6.3 / IS 15884 Cl. No. 5.4.6.3/ IS 16444 Cl. No. 6.10.6
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Limits of Error due to variation of current	IS 13779 Cl. 11.1/ IS 15884 Cl. No. 4.6.1/ IS 16444 Cl. No. 6.12
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Repeatability of error	IS 15884 Cl. No. 5.6.7
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Test of influence of Heating	IS 15884 Cl.5.4.5
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Test of influence of self-heating	IS 15884 Cl. No. 5.4.4
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Test of influence of self-heating	IS 15884 Cl.No.5.4.4
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Test of influence Quantities/ Magnetic Influence Tests	IS 15884, Cl. No. 4.6.2

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 3 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Test of power consumption	IS 15884 Cl. No. 5.4.1
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Test of power consumption	IS 15884 Cl. No. 5.4.1
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Test of resistance to heat & fire	IS 15884 Cl. No. 5.2.4
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy, AC static and smart meters (Class 1 and 2)	Test of influence Quantities/ Magnetic Influence Tests	IS 15884 Cl. No. 4.6.2/ IS 13779 Cl. No. 12.11/ IS 16444 Cl. No. 6.12
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepayment Meters for Active Energy, Smart meters (Class 1 and 2)	Test of influence of Heating	IS 15884 Cl. No. 5.4.5/ IS 16444 Cl No. 6.10.5
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static, Prepayment Meters ,Smart meter for Active Energy (Class 1 and 2)	Limits of Error due to variation of current	IS 13779 (Clause No. 11.1)/ IS 15884 (Clause No. 4.6.1)/ IS 16444 (Clause No. 6.12)
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static, Prepayment Meters, Smart meter for Active Energy (Class 1 and 2)	Impulse voltage test	IS 13779 (Clause No. 12.7.6.2)/ IS 15884 (Clause No. 5.4.6.2)/ IS 16444 (Clause No. 6.10.6)
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static, Prepayment Meters, Smart Meter for Active Energy (Class 1 and 2)	Insulation resistance test	IS 13779 (Clause 12.7.6.4)/ IS 15884 (Clause No. 5.4.6.4)/ IS 16444 (Clause No. 6.10.6)
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected, Static Prepayment Meters for Active Energy & Smart Meters (Class 1 and 2)	Test of Influence of Short Time Over current	IS 13779 (Clause No. 12.7.3) / IS 15884 (Clause No. 5.4.3) / IS 16444 (Clause No. 6.10.3)
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meter Class 0.2S, 0.5S and 1.0 S	Repeatability of error	IS 14697 (Cl. No. 12.16) /IS 16444-2 (Cl. No. 6.12)
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart meters Class 0.2S, 0.5S and 1.0 S	Test of ambient temp. Influence	IS 14697 (Cl. No. 12.11)/ IS 16444-2 (Cl. No. 6.12)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 4 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Limits of Error due to variation of current	IS 14697 (Cl. No. 11.1)/ IS 16444-2 (Cl. No. 6.12)
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Ac voltage Test	IS 14697 (Cl. No. 12.7.6.3)/ IS 16444-2 (Cl. No. 6.10.6)
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	General Metering and Constructional requirements	IS 14697 (Cl. No. 6.0)/ IS 16444-2 (Cl. No. 6)
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Impulse voltage test	IS 14697 (Cl. No. 12.7.6.2)/ IS 16444-2 (Cl. No. 6.10.6)
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Insulation resistance test	IS 14697 (Cl. No. 12.7.6.4)/ IS 16444-2 (Cl. No. 6.10.6)
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Limits of Error due to variation of current	IS 14697 (Cl. No. 11.1)/ IS 16444 (Cl. No. 6.12)
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart meters Class 0.2S, 0.5S and 1.0 S	Limits of Error due to variation of current	IS 14697 (Cl. No. 11.1)/ IS 16444-2 (Cl. No. 6.12)
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Limits of Error due to variation of current	IS 14697 (Cl. No.11.1)/ IS 16444-2 (Cl. No. 6.12)
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Marking of Meters	IS 14697 (Cl. No. 7.1,7.2)/ IS 16444-2 (Cl. No. 6.8)
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Spring hammer test	IS 14697 (Cl. No. 12.3.3)/ IS 16444-2 (Cl. No. 6.5)
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Test of ambient temp. Influence	IS 16444 (Part-2) (Cl. No. 6.12)/ IS 14697 (Cl. No. 12.11)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	5 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Test of influence of Heating	IS 14697 (Cl. No. 12.7.5)/ IS 16444-2 (Cl. No. 6.10.5)
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Test of Influence of Short Time Over current	IS 14697 (Cl. No. 12.7.3)/ IS 16444-2 (Cl. No. 6.10.3)
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Test of influence Quantities/ Magnetic Influence Tests	IS 16444 (Part-2) (Cl. No. 6.12)/ IS 14697 (Cl. No. 12.10)
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Test of power consumption (current circuit)	IS 14697 (Cl. No. 12.7.1)/IS 16444 (Part-2) (Cl. No. 6.10.1.2)
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Test of resistance to heat & fire	IS 14697 (Cl. No. 12.4)/ IS 16444-2 (Cl. No. 6.4)
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters Class 0.2S, 0.5S and 1.0 S	Test of starting condition	IS 14697 (Cl. No.12.13)/ IS 16444-2 (Cl. No. 6.12)
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters, Class 0.2S, 0.5S and 1.0 S	Repeatability of error	IS 14697 (Cl. No. 12.16)/ IS 16444-2 (Cl. No. 6.12)
51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters, Class 0.2S, 0.5S and 1.0 S	Repeatability of error	IS 14697 (Cl. No.12.16)/ IS 16444-2 (Cl. No. 6.12)
52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters, Class 0.2S, 0.5S and 1.0 S	Test of immunity to earth fault	IS 14697 (Cl. No. 12.17)/ IS 16444-2 (Cl. No. 6.10.7)
53	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Meters, Class 0.2S, 0.5S and 1.0 S	Test of power consumption Current circuit	IS 14697 (Cl. No.12.7.1)/ IS 16444-2 (Cl. No. 6.10.1.2)
54	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart MetersClass 0.2S, 0.5S and 1.0 S	Test of power consumption voltage circuit	IS 14697 (Cl. No. 12.7.1)/ IS 16444-2 (Cl. No. 6.10.1.1)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	6 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
55	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters & Smart Metrs, Class 0.2S, 0.5S and 1.0 S	Repeatability of error	IS 14697 (Cl. No. 12.16)/ IS 16444-2 (Cl. No. 6.12)
56	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Ac voltage Test	IS 14697 (Cl. No. 12.7.6.3)
57	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	General and Constructional requirements	IS 14697 (Cl. No. 6.0)
58	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Impulse voltage test	IS 14697 (Cl. No. 12.7.6.2)
59	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Insulation resistance test	IS 14697 (Cl. No. 12.7.6.4)
60	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Limits of Error due to variation of current	IS 14697 (Cl. 11.1)
61	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Limits of Error due to variation of current	IS 14697 (Cl. No. 11.1)
62	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Limits of Error due to variation of current	IS 14697 (Cl. No. 11.1)
63	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Marking of Meters	IS 14697 (Cl. No. 7.1, 7.2)
64	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Repeatability of error	IS 14697 (Cl. No. 12.16)
65	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Repeatability of error	IS 14697 (Cl. No. 12.16)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 7 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
66	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Repeatability of error	IS 14697 (Cl. No. 12.16)
67	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Spring hammer test	IS 14697 (Cl. No. 12.3.3)
68	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of ambient temp. Influence	IS 14697 (Cl. No. 12.11)
69	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of immunity to earth fault	IS 14697 (Cl. No. 12.17)
70	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of influence of Heating	IS 14697 (Cl. No. 12.7.5)
71	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of influence of self-heating	IS 14697 (Cl. No. 12.7.4)
72	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of influence of self-heating	IS 14697 (Cl. No. 12.7.4)
73	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of Influence of Short Time Over current	IS 14697 Cl. No. 12.7.3
74	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of influence of supply voltage	IS 14697 Cl. No. 12.7.2
75	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of influence Quantities/ Magnetic Influence Tests	IS 14697 Cl. No. 12.10
76	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of meter constant	IS 14697 Cl. No. 12.14

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 8 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
77	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of no-load condition	IS 14697 Cl. No. 12.12
78	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of power consumption	IS 14697 Cl. No. 12.7.1
79	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of power consumption	IS 14697 Cl. No. 12.7.1
80	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of resistance to heat & fire	IS 14697 Cl. No. 12.4
81	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Class 0.2S, 0.5S and 1.0 S	Test of starting condition	IS 14697 Cl. No. 12.13
82	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Smart Meter, Class 0.2S, 0.5S and 1.0 S	Limits of Error due to variation of current	IS 14697 (Cl. No. 11.1)/ IS 16444-2 (Cl. No.6.12)
83	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters Smart Meters, Class 0.2S, 0.5S and 1.0 S	Test of resistance to heat & fire	IS 14697 (Cl. No. 12.4)/ IS 16444 (Part-2) (Cl. No. 6.5)
84	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR hour Meters, Smart Meter Class 0.2S, 0.5S and 1.0 S	Marking of Meters	IS 14697 (Cl. No. 7.1, 7.2)/ IS 16444 (Part-2) (Cl. No. 6.8)
85	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	General Metering and Constructional requirements	IS 13779 (Cl. No. 6) /IS 15884 (Cl. No. 4)/ IS 16444 (Cl. 6)
86	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	Impulse voltage test	IS 13779 (Cl. No. 12.7.6.2)/ IS 16444 (Cl. No. 6.10.6)
87	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	General Metering and Constructional requirements	IS 13779 (Cl. No. 6)/ IS 16444 (Cl. No. 6)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	9 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
88	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	General, Metering and Constructional requirements	IS 13779 (Cl. No. 6)/ IS 16444 (Cl. No. 6)
89	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	Impulse voltage test	IS 13779 (Cl. No. 12.7.6.2)/ IS 16444 (Cl. No. 6.10.6)
90	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	Marking of Meters & Smart Meters	IS 13779 (Cl. No. 7)/ IS 16444 (Cl. No. 6.8)
91	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	Repeatability of error	IS 13779 (Cl. No. 12.17)/ IS 16444 (Cl. No. 6.12)
92	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	Repeatability of error	IS 13779 Cl. No. 12.17/ IS 16444 Cl. No.6.12
93	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & smart meters Class 1 & 2	Repetability of error	IS 13779 (Cl. No. 12.17)/ IS 16444 (Cl. No. 6.12)
94	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	Spring hammer test	IS 13779 (Cl. No. 12.3.3)/ IS 16444 (Cl. No. 6.5)
95	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	Test of ambient temp. Influence	IS 13779 (Cl. No. 12.12)/ IS 16444 (Cl. No. 6.12)
96	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	Test of no-load condition	IS 13779 (Cl. No. 12.13)/ IS 16444 (Cl. No. 6.12)
97	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	Test of resistance to heat & fire	IS 13779 (Cl. No. 6.4)/ IS 16444 (Cl. No. 6.5)
98	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters & Smart Meters Class 1 & 2	Test of resistance to heat & fire	IS 13779 (Cl. No. 12.4)/ IS 16444 (Cl. No. 6.4)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 10 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
99	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters ,Smart Meters Class 1 & 2	General Metering and Constructional requirements	IS 13779 (Cl. No. 6)/ IS 16444 (Cl. No. 6)
100	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters /Prepayment meter/ Smart Meters Active Energy (Class 1 & 2)	Test of immunity to earth /Phase fault	IS 13779 (Cl. No. 12.8) /IS 16444 (Cl. No. 6.10.7)
101	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Marking of Meters	IS 13779 (Cl. No. 7)
102	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Repeatability of error	IS 13779 (Cl. No. 12.17)
103	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Repeatability of error	IS 13779 (Cl. No. 12.17)
104	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Repetability of error	IS 13779 (Cl. No. 12.17)
105	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Spring hammer test	IS 13779 (Cl. No. 12.3.3)
106	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of immunity to earth fault	IS 13779 (Cl. No. 12.8)
107	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of influence of Heating	IS 13779 (Cl. No. 12.7.5)
108	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of influence of self-heating	IS 13779 (Cl. No. 12.7.4)
109	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of influence of self-heating	IS 13779 (Cl. No. 12.7.4)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	11 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
110	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of Influence of Short Time Over current	IS 13779 (Cl. No. 12.7.3)
111	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of influence of supply voltage	IS 13779 (Cl. No. 12.7.2)
112	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of influence Quantities/ Magnetic Influence Tests	IS 13779 (Cl. No. 12.11)
113	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of no-load condition	IS 13779 (Cl. No. 12.13)
114	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of power consumption	IS 13779 (Cl. No. 12.7.1)
115	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of power consumption	IS 13779 (Cl. No. 12.7.1)
116	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 & 2	Test of resistance to heat & fire	IS 13779 (Cl. No. 12.4)
117	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters/ Prepayment meter/Smart meter Class 1 & 2	Test of ambient temp. Influence	IS 13779 (Cl. No. 12.12)/ IS 15884 (Cl. No. 4.6.3)/ IS 16444 (Cl. No. 6.12)
118	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters & Smart Meters Class 1 & 2	Insulation Resistance Test	IS 13779 (Cl. No. 12.7.6.4)/ IS 16444 (Cl. No. 6.10.6)
119	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters & Smart Meters Class 1 & 2	Limits of Error due to variation of current	IS 13779 (Cl. No. 11.1)/ IS 16444 (Cl. No. 6.12)
120	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters & Smart Meters Class 1 & 2	Limits of Error due to variation of current	IS 13779 (Cl. No. 11.1)/ IS 16444 (Cl. No. 6.12)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 12 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
121	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters & Smart Meters Class 1 & 2	Repeatability of error	IS 13779 (Cl. No. 12.17)/ IS 16444 (Cl. No. 6.12)
122	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters & Smart Meters Class 1 & 2	Test of starting condition	IS 13779 (Cl. No. 12.14)/ IS 16444 (Cl. No. 6.12)
123	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2 AC Static Watthour smart Meters Class 1 & 2	Test of starting condition	IS 13779 (Cl. No. 12.14)
124	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Abnormal Voltage Condition	CBIP 304 (Cl. No. 4.4.7)
125	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Ac voltage Test	CBIP 304 (Cl. 5.4.6.3)
126	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	General and Constructional requirements	CBIP 304 (Cl. No. 4.2)
127	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Impulse voltage test	CBIP 304 (Cl. 5.4.6.2)
128	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Insulation resistance test	CBIP 304 (Cl. No. 5.4.6.4)
129	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Insulation Resistance Test	IS 13779 (Cl. No.12.7.6.4)
130	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Limits of Error due to variation of current	CBIP 304 (Cl. No. 5.6.8)
131	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Limits of Error due to variation of current	IS 13779 (Cl. No. 11.1)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	13 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
132	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Limits of Error due to variation of current	IS 13779 (Cl. No.11.1)
133	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Marking of Meters	CBIP 304 (Cl. No. 4.2.2.11)
134	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Repeatability of error	CBIP 304 (Cl. No. 5.6.9)
135	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Repeatability of error	IS 13779 (Cl. No. 12.17)
136	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Spring hammer test	CBIP 304 (Cl. No. 5.2.1)
137	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of ambient temp. Influence	CBIP 304 (Cl. No. 5.6.3)
138	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of influence of Heating	CBIP 304 (Cl. No. 5.4.5)
139	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of influence of self-heating	CBIP 304 (Cl. No. 5.4.4)
140	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of Influence of Short Time Over current	CBIP 304 (Cl. No.5.4.3)
141	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of influence of supply voltage	CBIP 304 (Cl. No. 5.4.2)
142	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of influence Quantities/ Magnetic Influence Tests	CBIP 304 (Cl. No. 5.6.2)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	14 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
143	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of influence Quantities/ Magnetic Influence Tests	CBIP 304 (Cl. No. 5.6.2)
144	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of meter constant	CBIP 304 (Cl. No. 5.6.6)
145	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of meter constant	CBIP 304 (Cl. No. 5.6.6)
146	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of no-load condition	CBIP 304 (Cl. No. 5.6.4)
147	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of power consumption	CBIP 304 (Cl. No. 5.4.1)
148	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of power consumption	CBIP 304 (Cl. No. 5.4.1)
149	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of resistance to heat & fire	CBIP 304 (Cl. No. 5.2.4)
150	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Test of starting condition	CBIP 304 (Cl. No. 5.6.5)
151	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters,Smart meters Class 1 & 2	Test of starting condition	IS 13779 (Cl. No. 12.14)/ IS 16444 (Cl. No. 6.12)
152	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test	IS 13875 (Part-1), Cl No. 4.8
153	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to supply Voltage)	Cl. No. 4.8 of IS 13875 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 15 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
154	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to change in ambient temp)	Cl. No. 4.4 of IS 13875 (Part-1)
155	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to change in ambient temp)	Cl. No. 4.4 of IS 13875 (Part-1)
156	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to change in ambient temp)	Cl. No. 4.4 of IS 13875 (Part-1)
157	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to RH)	Cl. No. 4.5 of IS 13875 (Part-1)
158	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to RH)	Cl. No. 4.5 of IS 13875 (Part-1)
159	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to RH)	Cl. No. 4.5 of IS 13875 (Part-1)
160	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to supply Voltage)	Cl. No. 4.8 of IS 13875 (Part-1)
161	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test(Due to change in ambient temp)	Cl. No. 4.4 of IS 13875 (Part-1)
162	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Intrinsic Error Test (AC Voltage)	Cl. No. 4.2 of IS 13875 (Part-1)
163	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Intrinsic Error Test (AC Current)	Cl. No. 4.2 of IS 13875 (Part-1)
164	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to Position)	Cl. No. 4.6 of IS 13875 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 16 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
165	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to Position)	Cl. No. 4.6 of IS 13875 (Part-1)
166	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to Position)	Cl. No. 4.6 of IS 13875 (Part-1)
167	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to RH)	Cl. No. 4.5 of IS 13875 (Part-1)
168	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to supply Voltage)	Cl. No. 4.8 of IS 13875 (Part-1)
169	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Intrinsic Error Test (AC Current)	Cl. No. 4.2 of IS 13875 (Part-1)
170	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Intrinsic Error Test (AC Voltage)	Cl. No. 4.2 of IS 13875 (Part-1)
171	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Intrinsic Error Test (DC Current)	Cl. No. 4.2 of IS 13875 (Part-1)
172	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter -Voltmeter	Influence Error test (Due to Position)	Cl. No. 4.6 of IS 13875 (Part-1)
173	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Ammeter	Influence Error test (Due to Position)	Cl. No. 4.6 of IS 13875 (Part-1)
174	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to change in ambient temp)	Cl. No. 4.4 of IS 13875 (Part-1)
175	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to change in ambient temp)	Cl. No. 4.4 of IS 13875 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 17 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
176	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to Position)	Cl. No. 4.6 of IS 13875 (Part-1)
177	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to Position)	Cl. No. 4.6 of IS 13875 (Part-1)
178	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to RH)	Cl. No. 4.5 of IS 13875 (Part-1)
179	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to change in ambient temp)	Cl. No. 4.4 of IS 13875 (Part-1)
180	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to change in ambient temp)	Cl. No. 4.4 of IS 13875 (Part-1)
181	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to Position)	Cl. No. 4.6 of IS 13875 (Part-1)
182	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to RH)	Cl. No. 4.5 of IS 13875 (Part-1)
183	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to RH)	Cl. No. 4.5 of IS 13875 (Part-1)
184	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to RH)	Cl. No. 4.5 of IS 13875 (Part-1)
185	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to supply Voltage)	Cl. No. 4.8 of IS 13875 (Part-1)
186	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to supply Voltage)	Cl. No. 4.8 of IS 13875 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 18 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
187	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to supply Voltage)	Cl. No. 4.8 of IS 13875 (Part-1)
188	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Influence Error test (Due to supply Voltage)	Cl. No. 4.8 of IS 13875 (Part-1)
189	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Intrinsic Error Test (AC Current)	Cl. No. 4.2 of IS 13875 (Part-1)
190	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Intrinsic Error Test (AC Voltage)	Cl. No. 4.2 of IS 13875 (Part-1)
191	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Intrinsic Error Test (DC Voltage)	Cl. No. 4.2 of IS 13875 (Part-1)
192	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring Instruments for measuring and controls - Voltmeter	Intrinsic Error Test (DC Voltage)	Cl. No. 4.2 of IS 13875 (Part-1)
193	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instrument - Voltmeter	High voltage test	Cl. No. 7.1 of IEC 60051 (Part-1):2016 / Cl. No. 7.1 of IS 1248 (Part-1)
194	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments -Ammeter	Continues Overload	Cl. No. 7.4.1 of IEC 60051-1:2016 / Cl. No. 7.4.1 of IS 1248 (Part-1)
195	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments -Ammeter	Continues Overload	Cl. No. 7.4.1 of IEC 60051-1:2016 / Cl. No. 7.4.1 of IS 1248 (Part-1)
196	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments -Ammeter	Deviation from zero	7.6 of IEC 60051-1:2016 /Cl. No. 7.6 of IS 1248 (Part-1)
197	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Intrinsic error	Cl. No. 2 of IEC 60051-9:2019 / Cl. No. 2 of IS 1248 (Part-9)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 19 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
198	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Intrinsic error	Cl. No. 2 of IEC 60051-9:2019/ Cl. No. 2 of IS 1248 (Part-9)
199	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Overshoot	Cl. No. 7.2.1 of IEC 60051-9:2019 / Cl. No. 7.2.1 of IS 1248 (Part-9)
200	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Response time	Cl. No. 7.2.2 of IEC 60051-9:2019 / Cl. No. 7.2.2 of IS 1248 (Part-9)
201	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Self Heating	Cl. No. 7.3 of IEC 60051-1:2016 / Cl. No. 7.3 of IS 1248 (Part-1)
202	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Self Heating	Cl. No. 7.3 of IEC 60051-1:2016 / Cl. No. 7.3 of IS 1248 (Part-1)
203	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Self Heating	Cl. No. 7.3 of IEC 60051-9:2019 / Cl. No. 7.3 of IS 1248 (Part-9)
204	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Self Heating	Cl. No. 7.3 of IEC 60051-9:2019/ Cl. No. 7.3 of IS 1248 (Part-9)
205	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Short term Overload	Cl. No. 7.4.2 of IEC 60051-1:2016 / Cl. No. 7.4.2 of IS 1248 (Part-1)
206	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Variation due to influence quantities	Cl. No. 6 Table 2 of IEC 60051-1:2016 / Cl. No. 6 Table 2 of IS 1248 (Part-1)
207	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Continues Overload	7.4.1 of IEC 60051-1:2016 / Cl. No. 7.4.1 of IS 1248 (Part-1)
208	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Deviation from zero	7.6 of IEC 60051-1:2016 / Cl. No. 7.6 of IS 1248 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	20 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
209	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Intrinsic error	Cl. No. 2 of IEC 60051-9:2019 / Cl. No. 2 of IS 1248 (Part-9)
210	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Intrinsic error	Cl. No. 2 of IEC 60051-9:2019 / Cl. No. 2 of IS 1248 (Part-9)
211	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Variation due to influence quantities	Cl. No. 6 Table 2 of IEC 60051-1:2016 / Cl. No. 6 Table 2 of IS 1248 (Part-1)
212	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Variation due to influence quantities	Cl. No. 6 Table 2 of IEC 60051-1:2016 / Cl. No. 6 Table 2 of IS 1248 (Part-1)
213	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Variation due to influence quantities	Cl. No. 6 Table 2 of IEC 60051-1:2016 / Cl. No. 6 Table 2 of IS 1248 (Part-1)
214	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Continues Overload	Cl. No. 7.4.1 of IEC 60051 (Part-1):2016 /Cl. No. 7.4.1 of IS 1248 (Part-1)
215	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Continues Overload	Cl. No. 7.4.1 of IS 1248 (Part-1)
216	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Continues Overload	Cl. No. 7.4.1 of IS 1248 (Part-1)
217	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Continues Overload	Cl. No. 7.4.1 of IS 1248 (Part-1)
218	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Deviation from zero	Cl. No. 7.6 of IS 1248 (Part-1)
219	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Deviation from zero	Cl. No. 7.6 of IS 1248 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 21 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
220	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Intrinsic error	Cl. No. 2 of IS 1248 (Part 9)
221	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Intrinsic error	Cl. No. 7.4.1 of IS 1248 (Part-1)
222	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Intrinsic error	Cl. No. 7.4.1 of IS 1248 (Part-1)
223	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Overshoot	Cl. No. 7.2.1 of IS 1248 (Part-1)
224	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Response time	Cl. No. 7.2.2 of IS 1248 (Part-1)
225	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Self Heating	Cl. No. 7.3 of IS 1248 (Part-1)
226	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Self Heating	Cl. No. 7.3 of IS 1248 (Part-1)
227	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Self Heating	Cl. No. 7.3 of IS 1248 (Part-1)
228	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Self Heating	Cl. No. 7.3 of IS 1248 (Part-1)
229	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Short term Overload	Cl. No. 7.4.2 of IS 1248 (Part-1)
230	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Variation due to influence quantities	Cl. No. 6 Table 2 of IS 1248 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	22 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
231	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Variation due to influence quantities	Cl. No. 6 Table 2 of IS 1248 (Part 1)
232	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Variation due to influence quantities	Cl. No. 6 Table 2 of IS 1248 (Part 1)
233	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Voltmeter	Variation due to influence quantities	Cl. No. 6 Table 2 of IS 1248 (Part 1)
234	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments. -Ammeter	High voltage test	7.1 of IEC 60051-1:2016 / Cl. No. 7.1 of IS 1248 (Part-1)
235	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Direct acting indicating analogue electrical measuring instruments - Ammeter	Continuous Overload	Cl. 7.4.1 of IEC 60051-1:2016 / Cl. No. 7.4.1 of IS 1248 (Part-1)
236	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	High Voltage test	IS 14570, Cl.No. 6.19
237	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Impulse Voltage Test	Cl. No. 6.20 of IS 14570
238	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Intrinsic error and class index	Cl. No. 4.2 of IS 14570
239	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Intrinsic error and class index	Cl. No. 4.2 of IS 14570
240	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Limiting conditions for storage and transport	Cl. No. 5.10 of IS 14570
241	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Permissible Excessive input	Cl. No. 6.18 of IS 14570

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 23 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
242	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Permissible Excessive input	Cl. No. 6.18 of IS 14570
243	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Response Time	Cl. No. 5.5 of IS 14570
244	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Ripple	Cl. No. 5.4 of IS 14570
245	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Temp. rise test	Cl. No. 6.22 of IS 14570
246	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to ambient temperature	Cl. No. 6.4 of IS 14570
247	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to ambient temperature	Cl. No. 6.4 of IS 14570
248	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to auxiliary supply freq.	Cl. No. 6.3 of IS 14570
249	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to auxiliary supply freq.	Cl. No. 6.3 of IS 14570
250	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to auxiliary supply voltage	Cl. No. 6.2 of IS 14570
251	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to auxiliary supply voltage	Cl. No. 6.2 of IS 14570
252	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to common mode interference	Cl. No. 6.16 of IS 14570

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 24 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
253	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to common mode interference	Cl. No. 6.16 of IS 14570
254	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to continuous operation	Cl. No. 6.15 of IS 14570
255	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to continuous operation	Cl. No. 6.15 of IS 14570
256	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to freq. of i/p quantities	Cl. No. 6.6 of IS 14570
257	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to magnetic field of external origin	Cl. No. 6.11 of IS 14570
258	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to magnetic field of external origin	Cl. No. 6.11 of IS 14570
259	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to output load	Cl. No. 6.9 of IS 14570
260	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to output load	Cl. No. 6.9 of IS 14570
261	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to self heating	Cl. No. 6 of IS 14570
262	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to self heating	Cl. No. 6 of IS 14570
263	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to series mode interference	Cl. No. 6.17 of IS 14570

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 25 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
264	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Measuring Transducers for converting AC electrical quantities to Analogue or Digital Signals	Variations due to series mode interference	Cl. No. 6.17 of IS 14570
265	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	AC Voltage Test	IEC 62052 (Part 11) (Cl. No. 7.3.3)
266	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	General and Constructional requirements	IEC 62052 (Part 11) (Cl. No. 5.1)
267	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Impulse Voltage Test	IEC 62052 (Part 11) (Cl. No. 7.3.2)
268	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Limits of Error due to variation of current	IEC 62053 (Part 22) (Cl. No. 8.1)
269	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Limits of Error due to variation of current	IEC 62053 (Part 22) (Cl. No. 8.1)
270	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Marking of Meters	IEC 62052 (Part 11) (Cl. No. 5.12)
271	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Spring hammer test	IEC 62052 (Part 11) (Cl. No. 5.2.2.1)
272	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of immunity to earth fault	IEC 62052 (Part 11) (Cl. No. 7.4)
273	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of influence of Heating	IEC 62052 (Part 11) (Cl. No. 7.2)
274	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of influence of self-heating	IEC 62053 (Part 22) (Cl. No. 7.3)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 26 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
275	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of influence of self-heating	IEC 62053 (Part 22) (Cl. No. 7.3)
276	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of Influence of Short Time Over current	IEC 62053 (Part 22) (Cl. No. 7.2)
277	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of influence of supply voltage	IEC 62052 (Part-11) (Cl. No. 7.1.2)
278	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of influence Quantities/ Magnetic Test	IEC 62053 (Part 22) (Cl. No. 8.2)
279	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of meter constant	IEC 62053 (Part 22) (Cl. No. 8.4)
280	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of no-load condition	IEC 62053 (Part 22) (Cl. No. 8.3.2)
281	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of power consumption	IEC 62052 (Part No. 22) (Cl. 7.1)
282	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of power consumption	IEC 62053 (Part 22) (Cl. No. 7.1)
283	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of resistance to heat & fire	IEC 62052 (Part 11) (Cl. No. 5.9)
284	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 0.2S and 0.5 S)	Test of starting condition	IEC 62053 (Part 22) (Cl. No. 8.3.3)
285	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	AC Voltage Test	IEC 62052 (Part 11) (Cl. No. 7.3)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	27 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
286	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	General and Constructional requirements	IEC 62052-11 (Cl. 5.1)
287	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Impulse Voltage Test	IEC 62052 (Part 11) (Cl. No. 7.3)
288	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Limits of Error due to variation of Ambient temperature variation	IEC 62053 (Part 21) (Cl. No. 8.2)
289	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Limits of Error due to variation of current	IEC 62053 (Part 21) (Cl. No. 8.1)
290	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Limits of Error due to variation of current	IEC 62053 (Part 21) (Cl. No. 8.1)
291	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Marking of Meters	IEC 62052 (Part 11) (Cl. No. 5.12)
292	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of immunity to earth fault	IEC 62052 (Part 11) (Cl. No. 7.4)
293	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of influence of Heating	IEC 62052 (Part 11) (Cl. No. 7.2)
294	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of influence of self-heating	IEC 62053 (Part 21) (Cl. No. 7.3)
295	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of influence of self-heating	IEC 62053 (Part 21) (Cl. No. 7.3)
296	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of Influence of Short Time Over current	IEC 62053 (Part 21) (Cl. No. 7.2)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	28 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
297	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of influence of supply voltage	IEC 62052 (Part 11) (Cl. No. 7.1.2)
298	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of influence Quantities/ Magnetic Test	IEC 62053 (Part 21) (Cl. No. 8.2)
299	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of meter constant	IEC 62053 (Part 21) (Cl. No. 8.4)
300	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of no-load condition	IEC 62053 (Part 21) (Cl. No. 8.3.2)
301	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of power consumption	IEC 62053 (Part 21) (Cl. No. 7.1)
302	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of power consumption	IEC 62053 (Part 21) (Cl. No. 7.1)
303	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of resistance to heat & fire	IEC 62052 (Part 11) (Cl. No. 5.9)
304	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class 1 & 2)	Test of starting condition	IEC 62053 (Part 21) (Cl. No. 8.3.3)
305	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Meters for Active Energy (Class1 and 2)	Limits of Error due to influence quantities	IEC 62053 (Part 21) (Cl. No. 8.2)
306	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan Regulator	Checking of dimensions	IS 11037 (Cl. 9.5.14)
307	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Creepage distance & clearance	IS 11037 (Cl. No. 9.5.9)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 29 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
308	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Earthing Connection	IS 11037 (Cl. No. 9.5.5)
309	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan Regulator	Electrical Endurance Test	IS 11037 (Cl. 9.5.10)
310	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	High voltage test	IS 11037 (Cl. No. 9.5.3)
311	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Insulation resistance	IS 11037 (Cl. No. 9.5.4)
312	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Leakage Current	IS 11037 (Cl. No. 9.5.2)
313	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Mechanical Strength	IS 11037 (Cl. No. 9.3.8)
314	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Performance (Speed Test)	IS 11037 (Cl. No. 8)
315	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Performance (Starting from Rest)	IS 11037, Cl. No. 8
316	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Protection against Electric Shock	IS 11037 (Cl. No. 9.5.6)
317	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Protection against Electric Shock	IS 11037 (Cl. No. 9.5.6)
318	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan Regulator	Resistance to abnormal heat and fire	IS 11037 (Cl. 9.5.12)
319	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan Regulator	Resistance to Rusting	IS 11037 (Cl. 9.5.13)
320	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Temperature Rise test	IS 11037 (Cl. No. 9.5.1)
321	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic Fan regulator	Voltage Drop	IS 11037 (Cl. No. 7.7)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 30 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
322	ELECTRONICS- EMC TEST FACILITY	Information technology equipment	Conducted RF Susceptibility	(Withdrawn Standard) CISPR 24, Cl. 4.0
323	ELECTRONICS- EMC TEST FACILITY	Information technology equipment	Electrical Fast Transient	(Withdrawn Standard) CISPR 24 Cl. 4.0
324	ELECTRONICS- EMC TEST FACILITY	Information technology equipment	Electrostatic Discharge	(Withdrawn Standard) CISPR 24 Cl 4.0
325	ELECTRONICS- EMC TEST FACILITY	Information technology equipment	Power Frequency Magnetic Field	(Withdrawn Standard) CISPR 24, Cl. 4.0
326	ELECTRONICS- EMC TEST FACILITY	Information technology equipment	RF Radiated Susceptibility Test	(Withdrawn Standard) CISPR 24 Cl. 4.0
327	ELECTRONICS- EMC TEST FACILITY	Information technology equipment	Surge	(Withdrawn Standard) CISPR 24, Cl. 4.0
328	ELECTRONICS- EMC TEST FACILITY	Lighting appliances	Electrical Fast Transient	IEC 61547 CL 5.5
329	ELECTRONICS- EMC TEST FACILITY	AC static direct connected Watthour smart meters	Conducted Emission	IS 16444 (Cl. 6.11)
330	ELECTRONICS- EMC TEST FACILITY	AC static direct connected Watthour smart meters	Electrical Fast Transient	IS 16444 Cl. No. 6.11
331	ELECTRONICS- EMC TEST FACILITY	AC static direct connected Watthour smart meters	Electrostatic Discharge	IS 16444 Cl 6.11
332	ELECTRONICS- EMC TEST FACILITY	AC static direct connected Watthour smart meters	Radiated Emission	IS 16444 ,Cl. 6.11
333	ELECTRONICS- EMC TEST FACILITY	AC static direct connected Watthour smart meters	RF Radiated Susceptibility Test	IS 16444,Cl. 6.11
334	ELECTRONICS- EMC TEST FACILITY	AC static direct connected Watthour smart meters	Surge	IS 16444 ,Cl. 6.11
335	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour Meters	Conducted Emission	IS 14697 CL 12.8.6
336	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour Meters	Electrical Fast Transient	IS 14697 (Cl. 12.8.4)
337	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour Meters	Electrostatic Discharge	IS 14697 2021 CL 12.8.2
338	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour Meters	Radiated Emission	IS 14697, CL 12.8.6
339	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour Meters	Radiated Emission	IS 16444, Part 2 ,Cl. 6.11
340	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour Meters	Radiated Radio Frequency Disturbances Power Test	IS 14697 CL 12.8.6

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 31 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
341	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour Meters	RF Radiated Susceptibility Test	IS 14697 CL 12.8.3
342	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour Meters	Surge	IS 14697, Cl. 12.5.8
343	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour smart Meters	Conducted Emission Test	IS 16444, Part 2 ,Cl. 6.11
344	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour smart Meters	Electrical Fast Transient	IS 16444 Part 2 Cl. No. 6.11
345	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour smart Meters	Electrostatic Discharge	IS 16444 (Part 2), Cl. 6.11
346	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour smart Meters	Radiated Radio Frequency Disturbances Power Test	IS 16444 (Part 2), Cl. 6.11
347	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour smart Meters	RF Radiated Susceptibility Test	IS 16444, Part 2 ,Cl. 6.11
348	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer Operated Watthour and Var-hour smart Meters	Surge	IS 16444, Part 2 ,Cl. 6.11
349	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-hour Meters	Conducted Emission	IS 13779 CL 12.9.6
350	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-hour Meters	Electrical Fast Transient	IS 13779 CL 12.9.4
351	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-hour Meters	Electrostatic Discharge	IS 13779 CL 12.9.2
352	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-hour Meters	Radiated Radio Frequency Disturbances Power Test	IS 13779 CL 12.9.6
353	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-hour Meters	RF Radiated Susceptibility Test	IS 13779 CL 12.9.3
354	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-hour Meters	Surge	IS 13779 cl 12.9.5
355	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Susceptibility	IEC 61326-1 CL 6.2
356	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient	IEC 61326-1 CL 6.2
357	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge	IEC 61326-1 CL 6.2
358	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field	IEC 61326-1 CL 6.2
359	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission	IEC 61326-1 CL 7.0

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 32 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
360	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	RF Radiated Susceptibility Test	IEC 61326-1 CL 6.2
361	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge	IEC 61326-1 CL 6.2
362	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations	IEC 61326-1 CL 6.2
363	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment	Conducted Emission	IEC 61326-2-6 CL 7
364	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment	Conducted RF Susceptibility	IEC 61326-2-6 CL6.2
365	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment	Electrical Fast Transient	IEC 61326-2-6 CL 6.2
366	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment	Electrostatic Discharge	IEC 61326-2-6 CL 6.2
367	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment	Power Frequency Magnetic Field	IEC 61326-2-6 CL 6.2
368	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment	Radiated Emission	IEC 61326-2-6 CL 7.0
369	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment	RF Radiated Susceptibility Test	IEC 61326-2-6 CL 6.2
370	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment	Surge	IEC 61326-2-6 CL 6.2
371	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment	Voltage dips, short interruption & voltage variations	IEC 61326-2-6 CL 6.2
372	ELECTRONICS- EMC TEST FACILITY	Electrical fast transient/burst immunity test	Electrical Fast Transient	IEC 61000-4-4
373	ELECTRONICS- EMC TEST FACILITY	Electrostatic discharge immunity test	Electrostatic Discharge	IEC 61000-4-2
374	ELECTRONICS- EMC TEST FACILITY	Heavy Industrial environments	Conducted Emission	IEC 61000-6-4 CL 9
375	ELECTRONICS- EMC TEST FACILITY	Heavy Industrial environments	Radiated Emission	IEC 61000-6-4 CL 9.0
376	ELECTRONICS- EMC TEST FACILITY	Household appliances	Conducted Emission	IEC/CISPR 14-1 CL 4.3
377	ELECTRONICS- EMC TEST FACILITY	Household appliances	Radiated Emission	IEC/CISPR 14-1
378	ELECTRONICS- EMC TEST FACILITY	Household electrical / electronic appliances	Radiated Radio Frequency Disturbances Power Test	CISPR 14-1

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 33 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
379	ELECTRONICS- EMC TEST FACILITY	Immunity to conducted disturbances, induced by radio-frequency fields	Conducted RF Susceptibility	IEC 61000-4-6
380	ELECTRONICS- EMC TEST FACILITY	Industrial environments	Conducted RF Susceptibility	IEC 61000-6-2 CL 9.0
381	ELECTRONICS- EMC TEST FACILITY	Industrial environments	Electrical Fast Transient	IEC 61000-6-2 CL 9.0
382	ELECTRONICS- EMC TEST FACILITY	Industrial environments	Electrostatic Discharge	IEC 61000-6-2 CL 9.0
383	ELECTRONICS- EMC TEST FACILITY	Industrial environments	Power Frequency Magnetic Field	IEC 61000-6-2 CL 9.0
384	ELECTRONICS- EMC TEST FACILITY	Industrial environments	RF Radiated Susceptibility Test	IEC 61000-6-2 CL 9.0
385	ELECTRONICS- EMC TEST FACILITY	Industrial environments	Surge	IEC 61000-6-2 CL 9.0
386	ELECTRONICS- EMC TEST FACILITY	Industrial environments	Voltage dips, short interruption & voltage variations	IEC 61000-6-2 CL 9.0
387	ELECTRONICS- EMC TEST FACILITY	Industrial Process control and allied equipment	Damped Oscillatory wave Immunity Tests	IEC 61000-4-18
388	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific, Medical equipment	Conducted Emission	IEC/CISPR 11 Cl 6.0
389	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific, Medical equipment	Radiated Emission	IEC/CISPR 11 CL 6.0
390	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific, Medical equipment, Household appliances, Lighting equipment, Information technology equipment, Process control and allied equipment	Current harmonic emissions	IEC 61000-3-2
391	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific, Medical equipment, Household appliances, Lighting equipment, Information technology equipment, Process control and allied equipment	Voltage Fluctuation & Flicker	IEC 61000-3-3 CL 5.0
392	ELECTRONICS- EMC TEST FACILITY	Information technology equipment	Conducted Emission	(Withdrawn Standard) IEC/CISPR 22, Cl. 5
393	ELECTRONICS- EMC TEST FACILITY	Information technology equipment	Radiated Emission	(Withdrawn Standard) IEC/CISPR 22, Cl. 6
394	ELECTRONICS- EMC TEST FACILITY	Information technology equipment	Voltage dips, short interruption & voltage variations	(Withdrawn Standard) CISPR 24, Cl. 4.0
395	ELECTRONICS- EMC TEST FACILITY	Laboratory equipment	Conducted Emission	IEC 61326-1 CL 7.0
396	ELECTRONICS- EMC TEST FACILITY	Lighting appliances	Conducted Emission	IEC/CISPR 15 CL 4.0

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 34 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
397	ELECTRONICS- EMC TEST FACILITY	Lighting appliances	Conducted RF Susceptibility	IEC 61547 CL5.6
398	ELECTRONICS- EMC TEST FACILITY	Lighting appliances	Electrostatic Discharge	IEC 61547 CL 5.2
399	ELECTRONICS- EMC TEST FACILITY	Lighting appliances	Power Frequency Magnetic Field	IEC 61547 CL 5.4
400	ELECTRONICS- EMC TEST FACILITY	Lighting appliances	Radiated Emission	IEC/CISPR 14-1
401	ELECTRONICS- EMC TEST FACILITY	Lighting appliances	RF Radiated Susceptibility Test	IEC 61547 CL 5.3
402	ELECTRONICS- EMC TEST FACILITY	Lighting appliances	Surge	IEC 61547 CL 5.7
403	ELECTRONICS- EMC TEST FACILITY	Lighting appliances	Voltage dips, short interruption & voltage variations	IEC 61547 CL 5.8
404	ELECTRONICS- EMC TEST FACILITY	Medical electrical equipment	Conducted Emission	IEC 60601-1-2 CL 7.0
405	ELECTRONICS- EMC TEST FACILITY	Medical electrical equipment	Radiated Emission	IEC 60601-1-2 CL 7.0
406	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment, Information technology equipment	Conducted Emission	CISPR 32
407	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment, Information technology equipment	Conducted RF Susceptibility	CISPR 35 CL 5.0
408	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment, Information technology equipment	Electrical Fast Transient	CISPR 35 CL 5.0
409	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment, Information technology equipment	Electrostatic Discharge	CISPR 35 CL 5.0
410	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment, Information technology equipment	Power Frequency Magnetic Field	CISPR 35 CL 5.0
411	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, Information technology equipment	Radiated Emission	CISPR 32
412	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment, Information technology equipment	RF Radiated Susceptibility Test	CISPR 35 CL 5.0
413	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment, Information technology equipment	Surge	CISPR 35 CL 5.0
414	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment, Information technology equipment	Voltage dips, short interruption & voltage variations	CISPR 35 CL 5.0
415	ELECTRONICS- EMC TEST FACILITY	Power frequency magnetic field immunity test	Power Frequency Magnetic Field	IEC 61000-4-8

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 35 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
416	ELECTRONICS- EMC TEST FACILITY	Radiated, radio-frequency, electromagnetic field immunity test	RF Radiated Susceptibility Test	IEC 61000-4-3
417	ELECTRONICS- EMC TEST FACILITY	Residential, commercial and light-industrial environments	Electrical Fast Transient	IEC 61000-6-1 CL 9.0
418	ELECTRONICS- EMC TEST FACILITY	Residential, commercial and light-industrial environments	Conducted Emission	IEC 61000-6-3 CL 11.0
419	ELECTRONICS- EMC TEST FACILITY	Residential, commercial and light-industrial environments	Conducted RF Susceptibility	IEC 61000-6-1 CL 9.0
420	ELECTRONICS- EMC TEST FACILITY	Residential, commercial and light-industrial environments	Electrostatic Discharge	IEC 61000-6-1 CL 9.0
421	ELECTRONICS- EMC TEST FACILITY	Residential, commercial and light-industrial environments	Power Frequency Magnetic Field	IEC 61000-6-1 CL 9.0
422	ELECTRONICS- EMC TEST FACILITY	Residential, commercial and light-industrial environments	Radiated Emission	IEC 61000-6-3 CL 11.0
423	ELECTRONICS- EMC TEST FACILITY	Residential, commercial and light-industrial environments	RF Radiated Susceptibility Test	IEC 61000-6-1 CL 9.0
424	ELECTRONICS- EMC TEST FACILITY	Residential, commercial and light-industrial environments	Surge	IEC 61000-6-1 CL 9.0
425	ELECTRONICS- EMC TEST FACILITY	Residential, commercial and light-industrial environments	Voltage dips, short interruption & voltage variations	IEC 61000-6-1 CL 9.0
426	ELECTRONICS- EMC TEST FACILITY	Sound and television broadcast receivers and associated equipment	Conducted Emission	(Withdrawn Standard) IEC/CISPR 13, Cl. 4.0
427	ELECTRONICS- EMC TEST FACILITY	Sound and television broadcast receivers and associated equipment	Conducted RF Susceptibility	((Withdrawn Standard) CISPR 20 CL 4.0
428	ELECTRONICS- EMC TEST FACILITY	Sound and television broadcast receivers and associated equipment	Electrical Fast Transient	(Withdrawn Standard) CISPR 20 Cl. 4.0
429	ELECTRONICS- EMC TEST FACILITY	Sound and television broadcast receivers and associated equipment	Electrostatic Discharge	(Withdrawn Standard) IEC/CISPR 20 Cl.4.0
430	ELECTRONICS- EMC TEST FACILITY	Sound and television broadcast receivers and associated equipment	Power Frequency Magnetic Field	(Withdrawn Standard) CISPR 20, Cl. 4.0
431	ELECTRONICS- EMC TEST FACILITY	Sound and television broadcast receivers and associated equipment	Radiated Emission	(Withdrawn Standard) IEC/CISPR 13 Cl. 4.0
432	ELECTRONICS- EMC TEST FACILITY	Sound and television broadcast receivers and associated equipment	RF Radiated Susceptibility Test	CISPR 20 Cl. 4.0
433	ELECTRONICS- EMC TEST FACILITY	Sound and television broadcast receivers and associated equipment	Surge	(Withdrawn Standard) CISPR 20, Cl. 4.0
434	ELECTRONICS- EMC TEST FACILITY	Sound and television broadcast receivers and associated equipment	Voltage dips, short interruption & voltage variations	(Withdrawn Standard) CISPR 20, Cl. 4.0

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 36 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
435	ELECTRONICS- EMC TEST FACILITY	Static and electro-mechanical metering devices	Conducted Emission	IEC 62052 –11 CL 9.3.14
436	ELECTRONICS- EMC TEST FACILITY	Static and electro-mechanical metering devices	Electrical Fast Transient	IEC 62052 –11 CL 9.3.6
437	ELECTRONICS- EMC TEST FACILITY	Static and electro-mechanical metering devices	Electrostatic Discharge	IEC 62052-11 Cl.9.3.3
438	ELECTRONICS- EMC TEST FACILITY	Static and electro-mechanical metering devices	Radiated Emission	IEC 62052-11 cl 9.3.14
439	ELECTRONICS- EMC TEST FACILITY	Static and electro-mechanical metering devices	RF Radiated Susceptibility Test	IEC 62052 (Part-11) Cl. 9.3.4(d), Cl. 9.3.5(c)
440	ELECTRONICS- EMC TEST FACILITY	Static and electro-mechanical metering devices	Surge	IEC 62052 –11 CL 9.3.9
441	ELECTRONICS- EMC TEST FACILITY	Static Prepayment Meters	Conducted Emission	IS 15884 CL 5.5.5
442	ELECTRONICS- EMC TEST FACILITY	Static Prepayment Meters	Electrical Fast Transient	IS 15884 cl 5.5.4
443	ELECTRONICS- EMC TEST FACILITY	Static Prepayment Meters	Electrostatic Discharge	IS 15884, Cl.5.5.2
444	ELECTRONICS- EMC TEST FACILITY	Static Prepayment Meters	Radiated Emission	IS 15884 (Cl. 5.5.5)
445	ELECTRONICS- EMC TEST FACILITY	Static Prepayment Meters	RF Radiated Susceptibility Test	IS 15884, Cl. 5.5.3
446	ELECTRONICS- EMC TEST FACILITY	Static Prepayment Meters	Surge	IS 15884 CL 5.5.6
447	ELECTRONICS- EMC TEST FACILITY	Surge immunity test	Surge	IEC 61000-4-5
448	ELECTRONICS- EMC TEST FACILITY	UPS	Conducted Emission	IEC 62040-2 CL 5.3.2
449	ELECTRONICS- EMC TEST FACILITY	UPS	Radiated Emission	IEC 62040-2 CL 5.3.3
450	ELECTRONICS- EMC TEST FACILITY	Voltage dips, short interruptions and voltage variations immunity tests	Voltage dips, short interruption & voltage variations	IEC 61000-4-11 CL 5.1 & 5.2
451	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	Random	JSS 50101, Rev. No.1,Test No. 24, supersedes JSS 50101:1972
452	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	Dry Heat Test	IS 9000 (Part III / Sec: 1 to 5)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 37 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
453	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	Random	Cl. No. 12.2.12 of IES 60571,Ed:3.0
454	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	Random	Cl. No. 8 & 9 of IEC 61373 Ed : 2.0
455	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	Random	IEC 60068-2-64, Ed: 2.1
456	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	Random	JSS 55555, Rev. No.3, Test No.28
457	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	sinusoidal	IEC 60068-2-6,Ed : 7.0
458	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	Sinusoidal	IS 9000 (Part VIII)
459	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	Sinusoidal	JSS 50101,Rev. No.1, Test No.23, supersedes JSS 50101: 1972
460	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	Sinusoidal	JSS 55555, Rev. No.3, Test No. 28
461	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items & related materials	Sinusoidal	QM333,Issue : March, Test No.6, supersedes QM333: Sept 1990
462	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Bump Test	QM 333 : Issue: March ,Test No .13, superseds QM333: Sept 1990
463	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Cold Test	Cl. No. 12.2.4 & 12.2.15 of IEC 60571 (Ed 3.0)/ IEC 60068-2-1 (Ed: 6.0)
464	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Cold Test	IS 9000 (Part 2 /Sec 1 to 4)
465	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Cold Test	QM 333 : Issue :March, Test No.1,superseds QM333: Sept 1990
466	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Composite Temperature / Humidity test (moisture resistance)	IEC 60068-2-38, Ed: 3

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 38 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
467	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Composite Temperature / Humidity test (moisture resistance)	IS 9000 (Part-VI)
468	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Damp Heat (Cyclic) Test	Cl. No. 12.2.6 of IEC 60571, Ed 3.0
469	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Damp Heat (Steady State) Test	JSS 55555, Rev. No.3, Test no.10
470	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Driving Rain Test	IS 9000 (Part-XVI)
471	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Driving Rain Test	JSS : 55555, Rev.No.3, Test No.12.
472	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Drop Test	IS 9000 (Part-VII /Sec 3)
473	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Dry Heat Test	Cl. No. 12.2.5 of IEC 60571, Ed 3.0
474	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Dry Heat Test	JSS: 50101, Rev. No.1,Test No.22, supersedes JSS 50101:1972
475	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Dry Heat Test	QM 333 : Issue :March, Test No.2, supersedes QM333: Sept 1990
476	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Free Fall Test	IS 9000 (Part-VII/ Sec 4)
477	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Free Fall Test	QM 333 : Issue March, Test No.12, supersedes QM333: Sept 1990
478	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Salt Spray Test	Cl. No. 12.2.11 of IEC 60571, Ed 3.0
479	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Salt Spray Test	IS 9000 (Part-XI)
480	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Salt Spray Test	JSS : 50101, Rev. No.1, Test No.4, supersedes JSS 50101: 1972

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 39 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
481	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Salt Spray Test	JSS : 55555, Rev. No.3,Test No.9
482	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Salt Spray Test	QM 333 : Issue: March, Test No.9, supersedes QM333: Sept 1990
483	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Shock Test (Half Sine)	IEC 60068-2-27, Ed: 4.0
484	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Shock Test (Half Sine)	IS 9000 (Part-VII / Sec 1)
485	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Shock Test (Half Sine)	JSS :50101,Rev. No.1,Test No.12, supersedes JSS 50101: 1972
486	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Temperature Cycling / Thermal Shock Test	IEC 60068-2-14, Ed 6.0
487	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Temperature Cycling / Thermal Shock Test	QM 333 : Issue : March, Test No. 4, supersedes QM333: Sept 1990
488	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Temperature Cycling Test	JSS : 50101,Rev. No. 1, Test No. 20, supersedes JSS 50101: 1972
489	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Temperature: Cycling / Thermal Shock	IS 9000 (Part-XIV / Sec 1&2)
490	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Temperature: Cycling Test	IS 9000 (Part-XIV/ Sec 1 & 2)
491	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials	Temperature: Cycling Test	QM 333 : Issue : March, Test No. 4, supersedes QM333: Sept 1990
492	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Temperature Cycling / Thermal Shock Test	JSS : 50101, Rev. No.1, Test No.20, supersedes JSS 50101:1972
493	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Bump Test	IEC : 60068-2-27 Ed 4.0
494	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Bump Test	IS 9000 (Part-VII /Sec 2)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 40 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
495	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Bump Test	JSS : 50101, Rev. No.1,Test No. 11,superseds JSS 50101:1972
496	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Bump Test	JSS : 55555, Rev.No. 3, Test No.5.
497	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Cold Test	IEC : 60068-2-1, Ed :6.0
498	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Cold Test	JSS : 50101,Rev.No.1,Test No.21,superseds JSS 50101:1972
499	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Cold Test	JSS : 55555, Rev.No.3, Amd.No.1-July 2014,Test No.20
500	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Composite Temperature / Humidity test (moisture resistance)	JSS : 50101,Rev. No.1,Test No.6, superseds JSS 50101: 1972
501	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Damp Heat (Cyclic) Test	IEC 60068-2-30 (Ed: 3.0)
502	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Damp Heat (Cyclic) Test	IS 9000 (Part-V/Sec:1 & 2)
503	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Damp Heat (Cyclic) Test	JSS : 50101,Rev. No.1,Test No.5,superseds JSS 50101: 1972
504	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Damp Heat (Cyclic) Test	QM 333 :Issue: March, Test No.3, superseds QM333: Sept 1990
505	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Damp Heat (Steady State) Test	IEC 60068-2-78, Ed: 2.0
506	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Damp Heat (Steady State) Test	IS 9000 (Part-4)
507	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Damp Heat (Steady State) Test	JSS : 50101, Rev. No.1, Test No.7,superseds JSS 50101: 1972
508	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Damp Heat (Steady State) Test	QM 333 : Issue : March, Test No. 5, supersedes QM333: Sept 1990

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 41 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
509	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Drop Test	JSS : 55555, Rev.No.3, Test No .13
510	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Drop Test	QM 333 : Issue:March, Test No. 10, superseds QM333: Sept 1990
511	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Dry Heat Test	JSS : 55555,Rev. No.3,Amd. No.1 July 2014, Test No.17
512	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	IP IX to IP 6X, IP XI to IP X8	Cl. No. 8.1.12 of IEC 60947-1, Ed: 6.0
513	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	IP IX to IP 6X, IP XI to IP X8	IEC : 60529 Ed: 2.2
514	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Salt Spray Test	IEC 60068-2-11, Ed 4.0
515	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Shock Test (Half Sine)	Cl. No. 12.2.12 of IEC : 60571, Ed : 3.0
516	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Shock Test (Half Sine)	JSS : 55555, Test No.24
517	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Temperature Cycling / Thermal Shock Test	JSS : 55555, Rev. No.3,Test No.22
518	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Temperature Cycling Test	IEC : 60068-2-14 Ed : 6.0
519	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Temperature Cycling Test	JSS : 55555, Rev. No.3, Test No.22
520	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Topple Test	JSS : 55555, Rev. No.3, Test No .26
521	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Topple Test	IS 9000 (Part-VII / Sec 3)
522	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Topple Test	QM 333 : Issue March, Test No.11, supersedes QM333: Sept 1990

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 42 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
523	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronic items and related materials.	Tropical Exposure Test	JSS : 55555, Rev. No. 3, Test No.27
524	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical & Electronics items	Dry Heat Test	IEC: 60068-2-2, Ed: 5.0
525	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	High voltage test	Cl. No. 11.5 of IS 9815
526	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Induced voltage	Cl. No. 11.10 of IS: 9815
527	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Insulation resistance	Cl. No. 11.4 of IS 9815
528	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Leakage Current	Cl. No. 7.3 of IS 9815
529	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Load loss test & efficiency	Cl. No. 11.9 of IS 9815
530	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Lock Rotor test for servo	Cl. No. 11.14 of IS 9815
531	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Lock Rotor test for servo	Cl. No. 11.14 of IS 9815
532	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Measurement of no-load losses	Cl. No. 11.8 of IS 9815
533	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	No-load Current	Cl. No. 7.2 of IS 9815
534	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Output Voltage	Cl. No. 11.6 of IS 9815
535	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Physical examination (Constructional requirement)	Cl. No. 6 of IS 9815
536	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Provision of Earthling	Cl. No. 7.2 of IS 9815
537	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Rate of correction	Cl. No. 11.13 of IS 9815
538	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Temperature Rise test	Cl. No. 11.12 of IS 9815
539	ELECTRONICS- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage Corrector	Test for continuous operation	Cl. No. 11.11 of IS 9815
540	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Steady state input voltage tolerance (Line Regulation)	Cl. No. 6.4.1.1, IEC 62040-3, IS 16242 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 43 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
541	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Steady state input voltage tolerance (Line Regulation)	Cl. No. 6.4.1.1, IEC 62040-3; IS 16242 (Part 3)
542	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Dynamic performance (Transient response)	IS 16242 (Part 3,6.4.2.11.4&6.4.2.11.5), IEC 62040-3
543	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Dynamic performance (Transient response)	IS 16242(Part 3,6.4.2.11.4&6.4.2.11.5)
544	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Efficiency measurement of UPS & Inverter	IS 16242 (Part 3,6.4.1.6), IEC 62040-3
545	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Efficiency measurement of UPS & Inverter	IS 16242(Part 3,6.4.1.6)
546	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Efficiency measurement of UPS & Inverter	IS 16242(Part 3,6.4.1.6)
547	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Efficiency measurement of UPS & Inverter	IS 16242(Part 3,6.4.1.6), IEC 62040-3
548	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Harmonic distortion of input current	IS 16242 (Part 3)
549	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Harmonic distortion of input current	IS 16242 (Part 3), (Cl.6.4.1.4), IEC 62040-3 (Cl.6.4.1.7)
550	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Harmonic distortion of input current	IS 16242 (Part 3), IEC 62040-3
551	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Harmonic distortion of input current	IS 16242 (Part 3,6.4.1.4)
552	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Load Regulation	IS 16242 (Part 3,6.4.2.1 to 6.4.2.4), IEC 62040-3
553	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Load Regulation	IS 16242(Part 3,6.4.2.1 to 6.4.2.4)
554	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Overload protection	IS 16242 (Part 3,6.4.2.10.1 & 6.4.2.10.2), IEC 62040-3
555	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverter	Overload protection	IS 16242(Part 3,6.4.2.10.1 &6.4.2.10.2)
556	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverters	Power Factor	Cl. No. 6.4.1.5 IEC 62040-3; IS 16242 (Part-3)
557	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS, Inverters	Power Factor	Cl. No. 6.4.1.5 IEC62040-3; IS 16242(Part-3)
558	ELECTRONICS- SAFETY TESTING FACILITY	d.c or a.c supplied electronic control gear for LED Modules	Marking	IS 15885 (Part 2/Section 13) Cl. No. 7

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 44 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
559	ELECTRONICS- SAFETY TESTING FACILITY	d.c or a.c supplied electronic control gear for LED Modules	Protection against accidental contact with live part	IS 15885 (Part 2/Section 13) Cl. No. 8
560	ELECTRONICS- SAFETY TESTING FACILITY	d.c or a.c supplied electronic control gear for LED Modules	Resistance to fire	IS 15885 (Part 2/Section 13) Cl. No. 18
561	ELECTRONICS- SAFETY TESTING FACILITY	d.c or a.c supplied electronic control gear for LED Modules	Resistance to heat	IS 15885 (Part 2/Section 13) Cl. No.18
562	ELECTRONICS- SAFETY TESTING FACILITY	d.c. or a.c. supplied electronic control gear for LED Modules	Creepage distances and clearances	IS 15885 (Part 2/Section 13) Cl. No.17
563	ELECTRONICS- SAFETY TESTING FACILITY	d.c. or a.c. supplied electronic control gear for LED Modules	Provision for earthing	IS 15885 (Part 2/Section 13) Cl. No. 10
564	ELECTRONICS- SAFETY TESTING FACILITY	d.c. or a.c. supplied electronic control gear for LED Modules	Provision for earthing	IS 15885 (Part 2/Section 13) Cl. No. 10
565	ELECTRONICS- SAFETY TESTING FACILITY	d.c. or a.c. supplied electronic control gear for LED Modules	Electric strength	IS 15885 (Part 2/Section 13) Cl. No. 12
566	ELECTRONICS- SAFETY TESTING FACILITY	d.c. or a.c. supplied electronic control gear for LED Modules	Moisture resistance and insulation	IS 15885 (Part 2/Section 13) Cl. No.11
567	ELECTRONICS- SAFETY TESTING FACILITY	d.c. or a.c. supplied electronic control gear for LED Modules	Transformer heating	IS 15885 (Part 2/Section 13) Cl. No.15
568	ELECTRONICS- SAFETY TESTING FACILITY	Electrical , electronic and programmable electronic equipment and systems to machines	Insulation resistance test	IEC-60204-1, ed 6.0 cl. no 18
569	ELECTRONICS- SAFETY TESTING FACILITY	Electrical , electronic and programmable electronic equipment and systems to machines	Verification of the continuity of the bonding circuit	IEC 60204-1 ed 6.0 cl.no 18
570	ELECTRONICS- SAFETY TESTING FACILITY	Electrical , electronic and programmable electronic equipment and systems to machines	Verification of the continuity of the bonding circuit	IEC 60204-1, ed 6.0 cl.no. 18
571	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Accessibility	IEC 61010-1 ed 3.1 cl.no. 6.2
572	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	capacitive discharge test	IEC-61010-1 ed 3.1 cl.no. 6.6.2, 6.10.3
573	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	cord anchorages	IEC 61010-1 ed 3.1 cl.no. 6.10.2.2
574	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Creepage distances and clearances	IEC 61010-1 ed 3.1 cl.no. 6.7, 10.5.1
575	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Drop test	IEC 61010-1 Ed 3.1 (Cl. No. 8.3)

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 45 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
576	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Durability of markings	IEC 61010-1 Ed 3.1, IEC 61010-2-101 Cl. No. 5.3
577	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	fault conditioning	IEC-61010-1 ed 3.1 cl.no. 4.4
578	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Humidity conditioning	IEC 61010-1 ed 3.1 cl.no 6.8.2
579	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Impact test	IEC 61010-1 Ed 3.1 Cl. No. 8.2.2
580	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Impedance of protective bonding	IEC 61010-1 ed 3.1 cl.no 6.5.2.3, 6.5.2.4, 6.5.2.5, 6.5.2.6, 6.5.4
581	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Impedance of protective bonding	IEC 61010-1 ed 3.1 cl.no. 6.5.2.3,6.5.2.4,6.5.2.5,6.5.2.6, 6.5.4
582	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Impulse withstand voltage test	IEC 61010-1 ed 3.1 cl.no. 6.8.3.3
583	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Input Current/Power , input frequency	IEC-61010-1 ed 3.1 cl.no. 5.1.3
584	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Input current/Power , input frequency	IEC-61010-1 ed 3.1 cl.no. 5.1.3
585	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	input current/power input	IEC-61010-1 ed 3.1 cl.no. 5.1.3
586	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Input current/Power, input frequency	IEC-61010-1 ed 3.1 cl.no. 5.1.3
587	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	ionizing radiation	IEC 61010-1:Ed 3.1 Cl. No. 12.2.1
588	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Limit values for accessible parts	IEC 61010-1 ed 3.1 cl.no. 6.3
589	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Limited energy circuit	IEC-61010-1 ed 3.1 cl.no. 9.4

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 46 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
590	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Residual Energy	IEC 61010-1 ed 3.1 cl.no. 6.1.1
591	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Resistance to elevated temperature	IEC-61010-1 ed 3.1 cl. no. 10.5.2
592	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	sound pressure level	IEC-61010-1 ed 3.1 cl.no. 12.5.1
593	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	stability test	IEC-61010-1 ed 3.1 cl.no. 7.4
594	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Static test	IEC 61010-1 Ed 3.1 Cl. No. 8.2.1
595	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Strength of Handle	IEC 61010-1 ed 3.1 cl.no. 7.5
596	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	surface temperature limits for protection against burns	IEC 61010-1 Ed 3.1 Cl. No. 10.1
597	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Touch current	IEC 61010-1 ed 3.1 cl.no. 6.2.2
598	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Touch current	IEC 61010-1 ed 3.1 cl.no.6.2.2
599	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	vicat softening test	IEC-61010-1 ed 3.1 cl.no. 10.5.3
600	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	voltage test	IEC 61010-1 ed 3.1 cl.no. 6.8.3
601	ELECTRONICS- SAFETY TESTING FACILITY	Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment	Ball pressure test	IEC 61010-1 Ed 3.1 Cl. No. 10.5.3
602	ELECTRONICS- SAFETY TESTING FACILITY	Electrical, electronic and programmable electronic equipment and systems to machines	Residual voltage test	IEC-60204-1, ed 6.0 cl.no. 18
603	ELECTRONICS- SAFETY TESTING FACILITY	Electrical, electronic and programmable electronic equipment and systems to machines	Insulation resistance test	IEC 60204-1, Ed 6.0 Cl. No 18

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 47 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
604	ELECTRONICS- SAFETY TESTING FACILITY	Electrical, electronic and programmable electronic equipment and systems to machines	Voltage test	IEC 60204-1 Ed 6.0 Cl. No. 18
605	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	AC Voltage Test / DC Voltage Test	IEC 62052-31 ed 3.1 cl. no. 6.10.4.4.2.2 & 6. .10.4.4.2.3
606	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Access to energized parts	IEC 62052-31, ed 1.0, 2015, cl. no. 6.3
607	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Ball Pressure Test	IEC62052-31 ed 1.0 Cl.no. 10.5.2
608	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Durability of marking	IEC 62052-31, ed 1.0,2015, Cl. no. 5.2.2
609	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Fault conditioning	IEC 62052-31 ed 1.0 cl.no. 4.4
610	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Humidity Conditioning	IEC 62052-31 ed 1.0 cl.no. 6.10.4.2
611	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Impedance of protective bonding	IEC 62052-31 ed 1.0 cl.no. 6.5.2.4
612	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Impedance of Protective Bonding	IEC62052-31 ed 1.0 cl.no. 6.5.2.4
613	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Input current, Input power, Frequency	IEC 62052-31 ed 1.0 cl.no. 5.4.9
614	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Input current, Input Power, Frequency	IEC 62052-31 ed 1.0 cl.no. 5.4.9
615	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Input Current, Input Power, frequency	IEC 62052-31 ed 1.0 cl.no. 5.4.9
616	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Input Current, Input Power, Frequency	IEC 62052-31 ed 1.0 cl.no. 5.4.9
617	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Insulation requirement- Creepage distances and Clearances	IEC 62052-31 ed 1.0 cl.no. 6.7

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	48 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
618	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Limited Energy Circuit	IEC 62052-31 ed 1.0 cl.no. 9.4
619	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Residual Energy	IEC 62052-31 ed 1.0
620	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Resistance to abnormal heat	IEC 62052-31 ed 1.0 cl.no. 10.5.1
621	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Spring hammer Test	IEC 62052-31 ed 1.0 cl.no. 8.2
622	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Temperature Test	IEC 62052-31 ed 1.0 cl.no. 10.4
623	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Touch current	IEC 62052-31 ed 1.0 cl.no. 6.3
624	ELECTRONICS- SAFETY TESTING FACILITY	Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V	Touch Current	IEC 62052-31 ed 1.0 cl.no. 6.3
625	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Accessibility to live part	IEC 61558-1 ed 3.0 cl.no. 9.1
626	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Components	IEC-61558-1 ed 3.0 cl.no. 20.0
627	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Construction	IEC-61558-1 ed 3.0 cl.no 19.0
628	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Creepage distances, clearances and distance through insulation	IEC-61558-1 ed 3.0 cl.no. 26.0

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	49 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
629	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Dielectric strength test	IEC 61558-1, ed 3.0 cl. no. 18.3
630	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Earth leakage	IEC 61558-1 ed 3.0 cl.no.8.1
631	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Electrical discharge	IEC-61558-1 ed 3.0 cl.no. 9.2
632	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Heating	IEC 61558-1, ed 3.0 cl.no. 14.0
633	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Humidity treatment	IEC-61558-1 ed 3.0 cl.no. 17.2
634	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Insulation resistance	IEC 61558-1 ed 3.0 cl.no. 18.2
635	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Insulation resistance	IEC 61558-1 ed 3.0 cl.no 18.2
636	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Marking and other information	IEC-61558-1 Ed 3.0 cl. no. 8
637	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Output current under load	IEC-61558-1 Ed 3.0 cl.no. 11

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 50 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
638	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Output current under load	IEC-61558-1 Ed 3.0 cl.no. 11.0
639	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Output voltage	IEC-61558-1 ed 3.0 cl.no. 11.0
640	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Output voltage	IEC-61558-1 ed 3.0 cl.no. 11.0
641	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Provision for protective earthing	IEC 61558-1 ed 3.0 cl.no. 24.0
642	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Provision for protective earthing	IEC-61558-1 ed 3.0 cl.no. 24.0
643	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Resistance to abnormal heat under fault condition	IEC-61558-1 ed 3.0 cl.no. 27.2
644	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Resistance to fire	IEC-61558-1 Ed 3.0 cl. no. 27.3
645	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Resistance to heat	IEC-61558-1 ed 3.0 cl. no. 27.1
646	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Short circuit and overload protection	IEC-61558-1 ed 3.0 cl. no. 15.0

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	51 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
647	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Touch current	IEC-61558-1 ed 3.0 cl. no.18.5
648	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA , Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Touch current	IEC 61558-1 ed 3.0 cl.no. 18.5
649	ELECTRONICS- SAFETY TESTING FACILITY	Isolating and safety isolating Transformer with rated output upto 1 kVA, Separating transformer and auto transformer, Variable transformer and reactors with output upto 1 kVA, Power supplies and switch mode power supplies with rated output upto 1 kVA	Mechanical strength	IEC 61558-1, Ed 3.0 (Cl. No.16.0)
650	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max	Humidity condtioning	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.9.2
651	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	drop test	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 4.2.6

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	52 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
652	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Energy hazard	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.1.1.5
653	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Input current	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 1.6.2
654	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Input Current	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 1.6.2

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	53 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
655	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Resistance to abnormal heat	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 4.5.5
656	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Stress Relief Test	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 4.2.7
657	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	temperature tests	IS 13252 (Part 1), IEC 60950-1 (Ed 2.2) (Cl. No. 4.5.2)

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	54 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
658	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Touch current	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 5.1
659	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Touch current	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 cl.no. 5.1
660	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max	Durability	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 1.7.11

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	55 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
661	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Access to energize parts	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.1.1.1
662	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Discharge of Capacitor	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.1.1.7
663	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Impact test	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. 4.2.5

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	56 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
664	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Impulse test	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 6.2.1
665	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Input Power	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 1.6.2
666	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Resistance of earthing conductor	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.6.3.4

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	57 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
667	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Resistance of earthing conductor	IS 13252 (Part 1), IEC 60950-1 Ed. 2.2 Cl. No. 2.6.3.4
668	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Stability test	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 4.1
669	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Steady force test	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 3.1.5, 3.1.9, 4.2.2, 4.2.4

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	58 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
670	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Voltage surge test	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 7.4.2
671	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine, smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	abnormal operations	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 5
672	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus	Input Test	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. B.2.5

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	59 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
673	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Accessibility to electrical energy sources and safeguards	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. 5.3.2, Annex V
674	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Ball Pressure Test	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. 5.4.1.10.3

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	60 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
675	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Capacitor discharge after disconnection of a connector	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. 5.5.2.2
676	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Clearances, Creepage distance and solid insulation	IEC 62368-1, Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. 5.4.2, 5.4.3, 5.4.4 & G.4.1

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	61 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
677	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Durability, legibility and permanence of markings	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. F.3.9
678	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Electric Strength Test	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. 5.4.9

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	62 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
679	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Enclosure impact Test	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) (Cl. No. T.6)
680	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Humidity Conditioning	IEC 62368-1 ed 3.0 , IS/IEC 62368 P-1 cl. no. 5.4.8

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	63 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
681	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Input Test	IEC 62368-1 Ed 3.0 , IS/IEC 62368 (Part-1) Cl. No. B.2.5
682	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Input Test	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. B.2.5

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	64 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
683	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Input Test	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. B.2.5
684	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Maximum operating Temperatures for materials, components and systems	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. 5.4.1.4 & 9.3

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	65 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
685	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Prospective touch Voltage, touch current and protective conductor current	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. 5.7
686	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Steady force test	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. T2,T3,T4, T5

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	66 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
687	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V MaxLED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Resistance of protective bonding system	IEC 62368-1 Ed. 3.0, IS/IEC 62368 (Part-1) Cl. No. 5.6.6
688	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V MaxLED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Resistance of protective bonding system	IEC 62368-1 Ed. 3.0, IS/IEC 62368 (Part-1) Cl. No. 5.6.6

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	67 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
689	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 ", printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . requirements	Abnormal operating conditions and single fault condition	IEC 62368-1 Ed 3.0, IS/IEC 62368 (Part-1) Cl. No. B.3 & B.4
690	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32", printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Electrical strength	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 5.2
691	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32", printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine, smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	Clearances and Creepage distances	IS 13252 (Part 1), IEC-60950-1 Ed 2.2, Cl. 2.10

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 68 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
692	ELECTRONICS- SAFETY TESTING FACILITY	Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32", printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine, smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.	limited power source measurement test	IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.5
693	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Clearances and creepage distances	IS 616, IEC 60065, Cl No 13
694	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Insulation resistance	IS 616, IEC 60065 Cl. No. 10.4
695	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus	Provisions for protective earthing	IS 616, IEC 60065 Cl. No. 15.2
696	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Heating under normal operating condition	IS 616, IEC 60065 Cl. No. 7.1

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	69 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
697	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus	Provisions for protective earthing	IS 616, IEC 60065 Cl. No. 15.2
698	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus	Dielectric strength	IS 616, IEC 60065 Cl. No. 10.4.2
699	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000 W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus	Fault conditioning	IS 616, IEC 60065 Cl 11
700	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus	Humidity treatment	IS 616, IEC 60065 Cl. No. 10.3
701	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus	Surge test	IS 616, IEC 60065 Cl. No. 10.2

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	70 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
702	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Marking and instructions requirements	IS 616, IEC 60065 Cl. No. 5
703	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Mechanical strength	IS 616, IEC 60065 Cl. No. 12
704	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Stability test	IS 616, IEC 60065 Cl. No. 19
705	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .	Stress relief test	IS 616, IEC 60065 Cl. No. 12.1.6
706	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus	Impact test	IS 616, IEC 60065 Cl. No 12.1.4

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	71 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
707	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W ,Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus	Ionizing radiation	IS 616, IEC 60065 Cl. No. 6.1
708	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W ,Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus	Accessibility	IS 616, IEC 60065 Cl. No. 9.1.1.2
709	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W ,Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus	Electric shock hazard under normal operating conditions	IS 616, IEC 60065 Cl. No. 9
710	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W ,Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus	External Flexible Cords strain relief test	IS 616, IEC 60065 Cl. No. 16.5
711	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W ,Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus .	Withdrawal of mains plug	IS 616, IEC 60065 Cl. No. 9.1.6

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 72 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
712	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus	Drop test	IS 616, IEC 60065 Cl. No. 12.1.5
713	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus	Vibration test	IS 616, IEC 60065 Cl. No 12.1.3
714	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus	Resistance to external forces	IS 616, IEC 60065 Cl. No. 9.1.7
715	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus	Heat resistance of insulating material	IS 616, IEC 60065 Cl. No. 7.2
716	ELECTRONICS- SAFETY TESTING FACILITY	LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus	Touch current	IS 616, IEC 60065 Cl. No. 9.1.1.2
717	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Accessibility	IEC 60255-27 ed 2.0 cl no.5.1.5
718	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Bonding of protective conductor	IEC 60255-27 ed 2.0 cl.no. 5.1.6
719	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Bonding of protective conductor	IEC 60255-27 ed 2.0 cl.no.5.1.6

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 73 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
720	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Clearances and creepage distances	IEC 60255-27 ed 2.0 cl. no.5.1.10
721	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Direct voltage test	IEC 60255-27 Ed 2.0 Cl. No. 10.6.4.3
722	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Discharge of capacitors	IEC 60255-27 ed 2.0 cl. no.5.1.3
723	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Insulation resistance	IEC 60255-27 ed 2.0 cl.no.10.6.4.4
724	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Insulation resistance	IEC 60255-27 ed 2.0 cl.no.10.6.4.4
725	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Leakage current	IEC 60255-27 ed 2.0 cl.no.5.1.8
726	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Leakage current	IEC 60255-27 ed 2.0 cl. no.5.1.8
727	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Limited energy circuit	IEC 60255-27 Ed 2.0 Cl. No. 7.12
728	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Marking durability	IEC 60255-27 ed 2.0 cl.no.9.1.11
729	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Protection against electric shock	IEC 60255-27 ed 2.0 cl.no.5
730	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Single fault condition	IEC 60255-27 ed 2.0 cl.no. 5.2
731	ELECTRONICS- SAFETY TESTING FACILITY	Measuring relays and protection equipment	Temperature under normal operation	IEC 60255-27 ed 2.0 cl.no.7.3.12
732	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Abnormal operation	IEC-60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 19

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	74 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
733	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Accessibility to live part	IEC 60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335- 2-6, IEC 60335-2-15, Cl. No.8
734	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Clearances, creepage distances and solid insulation	IEC-60335-1, Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335- 2-6, IEC 60335-2-15, Cl. No. 29
735	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Cord anchorage	IEC 60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 25.15

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	75 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
736	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Electric strength	IEC 60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No.13.3 & 16.3
737	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Heating	IEC-60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335- 2-6, IEC 60335-2-15, Cl. No.11
738	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Impact test	IEC-60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 21

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	76 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
739	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Input current	IEC 60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 10.2
740	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Input current	IEC-60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 10.2
741	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Leakage current	IEC-60335-1 Ed. 5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 13.2 & 16.2

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	77 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
742	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Moisture resistance	IEC-60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 15.3
743	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Power input	IEC 60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 10.1
744	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Power input	IEC 60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 10.1

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5435
Page No	78 of 81
Validity	18/12/2021 to 17/12/2023
Last Amended on	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
745	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Provision for earthing	IEC 60335-1 Ed. 5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 27
746	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Provision for earthing	IEC 60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 27
747	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Resistance to fire - Glow wire test	IEC-60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 30.2

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5435	**Page No**	79 of 81
Validity	18/12/2021 to 17/12/2023	**Last Amended on**	03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
748	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Resistance to heat - Ball pressure test	IEC 60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 30.1
749	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Stability	IEC-60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 20.1
750	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC , fixed electric heaters intended for installation in a water tank for heating water below its boiling point, Portable electric immersion heater, Electric fans, stationary cooking ranges, hobs	Transient overvoltages	IEC 60335-1 Ed. 5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 14

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 80 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
751	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC.	Leakage current	IEC 60335-1 Ed. 5.2, Cl. No. 13.2 & 16.2, IS 302-1, IS 302-2-25, IS 302-2-26, IS 302-2-2, IS 302-2-7, IS 302-2-8, IS 302-2-10, IS 302-2-14, IS 302-2-17, IS 302-2-21, IS 302-2-24, IS 302-2-26, IS 302-2-29, IS 302-2-35, IS 302-2-40, IS 302-2-41, IS 302-2-73, IS 302-2-74, IS 302-2-79, IS 302-2-80, IS 302-2-6, IS 302-2-15:2014
752	ELECTRONICS- SAFETY TESTING FACILITY	Microwave ovens for household use, Mains operated electrical clocks, Electrical washing machine for household use, Floor treatment machines and wet scrubbing machines intended for household and similar purposes, Kitchen machines for household and similar purposes, Blankets, Pads, Clothing and similar flexible heating appliances, Storage water heaters, Refrigerating appliances, ice cream appliances and ice makers, Battery charger, Instantaneous water heater, Electrical heat pumps, Air conditioner and dehumidifier, Electrical pumps for liquids having a temperature not exceeding 90 ºC.	Marking and instructions	IEC-60335-1 Ed.5.2, IS 302-1, IS 302-2-25, IS 302-2-26, IEC 60335-2-2, IEC 60335-2-7, IEC 60335-2-8, IEC 60335-2-14, IEC 60335-2-21, IEC 60335-2-24, IEC 60335-2-26, IEC 60335-2-29, IEC 60335-2-35, IEC 60335-2-40, IEC 60335-2-73, IEC 60335-2-74, IEC 60335-2-79, IEC 60335-2-80, IEC 60335-2-6, IEC 60335-2-15, Cl. No. 7
753	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Clearances and creepage distances	IS 16242 (Part 1), IEC 62040-1 Cl. No. 5.7
754	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Discharge of capacitors	IS 16242 (Part 1), IEC62040-1 Cl. No. 5.1.1
755	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Earth leakage	IS 16242 (Part 1), IEC 62040-1 Cl. No. 8.1
756	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Electric strength test	IS 16242 (Part 1), IEC 62040-1 Cl. No. 8.2
757	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Marking and instruction	IS 16242 (Part 1), IEC 62040-1 Cl. No. 4.7
758	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Mechanical strength	IS 16242 (Part 1), IEC 62040-1 (Cl. No. 7.3)
759	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Power interfaces	IS 16242 (Part 1), IEC 62040-1 (Cl. No. 4.6)
760	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Power interfaces	IS 16242 (Part 1), IEC 62040-1 Cl. No. 4.6
761	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Power interfaces	IS 16242 (Part 1), IEC 62040-1 Cl. No. 4.6

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5435 **Page No** 81 of 81

Validity 18/12/2021 to 17/12/2023 **Last Amended on** 03/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
762	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Power interfaces	IS 16242 (Part 1), IEC62040-1 Cl. No. 4.6
763	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Protection against electric shock & energy hazard	IS 16242 (Part 1), IEC 62040-1 Cl. No. 5.1
764	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Protective earthing	IS 16242 (Part 1), IEC62040-1 Cl. 5.3
765	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Protective earthing	IS 16242 (Part 1), IEC62040-1 Cl. No. 5.3
766	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Stability	IS 16242 (Part 1), IEC 62040-1 Cl. No. 7.2
767	ELECTRONICS- SAFETY TESTING FACILITY	Uninterruptible power systems (UPS)	Temperature rise	IS 16242 (Part 1), IEC 62040-1 (Cl. No. 7.7)