National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NIIRT - CENTRE FOR CALIBRATION, ANALYSIS AND TESTING, PLOT NO. 306, INDUSTRIAL AREA, PHASE 1, PANCHKULA, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Battery Charger	Noise Level Test	IS 4758/ EDTS 163 (Rev C) Cl. 5.7
2	CHEMICAL- ATMOSPHERIC POLLUTION	Distribution Transformer	Acoustic Noise Level	IS 4758/ RDSO/PE/SPEC/AC/0080 (Rev 1) Cl. 8.9
3	CHEMICAL- ATMOSPHERIC POLLUTION	LED based Luminaire	Lux measurement	IS 3646(p-1)/ RDSO/PE/SPEC/TL/0091 (Rev 1) Cl. 8.0
4	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Electrical Fast Transient (EFT) / Burst immunity Test	IEC 60571 (Cl 12.2.8)
5	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Electrical Fast Transient (EFT) / Burst immunity Test	IEC 61000-4-4
6	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Electrical Fast Transient (EFT) / Burst immunity Test	IS 13779 (Cl 12.9.4)
7	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Electrical Fast Transient (EFT) / Burst immunity Test	IS 14697 (Cl 12.8.4)
8	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Electrical Fast Transient (EFT) / Burst immunity Test	IS 14700 (Part 4/Sec 4)
9	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Electrostatic Discharge (ESD) Immunity Test (Contact and Air Discharge)	IEC 60571 (Cl 12.2.8)
10	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Electrostatic Discharge (ESD) Immunity Test (Contact and Air Discharge)	IEC 61000-4-2
11	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Electrostatic Discharge (ESD) Immunity Test (Contact and Air Discharge)	IS 13779 (Cl 12.9.2)
12	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Electrostatic Discharge (ESD) Immunity Test (Contact and Air Discharge)	IS 14697 (Cl 12.8.2)
13	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Electrostatic Discharge (ESD) Immunity Test (Contact and Air Discharge)	IS 14700 (Part 4/Sec 2)
14	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Power-frequency magnetic field immunity test	IEC 61000-4-8
15	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Power-frequency magnetic field immunity test	IS 14700 (Part 4/Sec 8)
16	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Surge Immunity Test	IEC 60571 (Cl 12.2.8)

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17	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Surge Immunity Test	IEC 61000-4-5
18	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Surge Immunity Test	IS 14700 (Part 4/Sec 5)
19	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Surge Immunity Test/ Impulse voltage test	IS 13779 (Cl 12.7.6.2)
20	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronics / IT / Telecommunication Products / House hold / Industrial / Medical Equipment	Surge Immunity Test/ Impulse voltage test	IS 14697 (Cl 12.7.6.2)
21	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Shock Test (Half Sine)	IEC 60068-2-27
22	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Bump Test (Half Sine)	IS 9000 Part 7 (Sec 2)
23	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Burn-in Test (Temperature cyclic)	ERLS/SPEC/ SI/0015 Cl 7.7
24	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Change of Temperature (Temperature Cycling)	Test Nb IEC 60068-2-14 Cl 8
25	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Change of Temperature (Temperature Cycling)	Test Nb IS 9000 Part 14 (Sec 2)
26	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Change of Temperature (Temperature Cycling)	Test Nc IEC 60068-2-14 Cl 9
27	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Change of Temperature (Thermal Shock)	Test Na IEC 60068-2-14 Cl 7
28	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Change of Temperature (Thermal Shock)	Test Na IS 9000 Part 14 (Sec 1)
29	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Change of Temperature/ Rapid Temperature Cycling / Thermal Shock	Test no. 22 JSS 55555
30	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Change of Temperature/ Temperature cycling	Test no. 20 JSS 50101 Rev 1
31	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	Test ‘b’ IS 9000 Part 2 (Sec 3)

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32	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	Test 'a' IS 9000 Part 2 (Sec 2)
33	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	Test Ae IEC 60068-2-1 (Cl. 5.4)
34	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Cold Test (Low temperature)Height X Width X Depth = 1.1m X 0.8 m X 1.1m	IEC 60571 Cl. 12.2.4
35	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Cold Test (Low temperature)Height X Width X Depth = 1.1m X 0.8 m X 1.1m	Test 'd' IS 9000 Part 2 (Sec 4)
36	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Cold Test (Low temperature)Height X Width X Depth = 1.1m X 0.8 m X 1.1m	Test Ab IEC 60068-2-1 (Cl. 5.2)
37	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Cold Test (Low temperature)Height X Width X Depth = 1.1m X 0.8 m X 1.1m	Test Ad IEC 60068-2-1 (Cl. 5.3)
38	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Cold Test (Low temperature)Height X Width X Depth = 1.1m X 0.8 m X 1.1m	Test no. 1 QM 333
39	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Cold Test (Low temperature)Height X Width X Depth = 1.1m X 0.8 m X 1.1m	Test no. 20 JSS 55555 Rev 3
40	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Cold Test (Low temperature)Height X Width X Depth = 1.1m X 0.8 m X 1.1m	Test no. 21 JSS 50101 Rev 1
41	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Composite Temperature Humidity Cyclic Test / Damp Heat (Moisture Resistance)	Test no. 6 JSS 50101 Rev 1
42	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Composite Temperature/ Humidity Cyclic Test	IS 9000 (Part 6)
43	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Composite Temperature/ Humidity Cyclic Test	Test Z/Ad IEC 60068-2-38
44	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat	Test no. 10 JSS 55555 Rev 3
45	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat (Steady State)	IEC 60068-2-78

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46	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat (Steady State)	IS 9000 Part 4
47	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat (Steady State)	Test no. 5 QM 333
48	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat (Steady State)	Test no. 7 JSS 50101 Rev 1
49	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat Cyclic	IEC 60571 Cl 12.2.6
50	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat Cyclic	IS 9000 (Part 5 / Sec 1)
51	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat Cyclic	IS 9000 (Part 5 / Sec 2)
52	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat Cyclic	Test Db IEC 60068-2-30
53	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat Cyclic	Test no. 5 JSS 50101 Rev 1
54	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat Cyclic / Tropical Exposure	Test no. 27 JSS 55555 Rev 3
55	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Damp Heat Cyclic / Tropical Exposure	Test no. 3 QM 333
56	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Drop and Topple	IEC 60068-2-31 Cl 5.1
57	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Drop and Topple	IS 9000 (Part 7/Sec 3) Cl 5.1
58	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Drop and Topple	IS 9000 Part 7 (Sec 3)
59	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Drop Test	Test no. 10 QM 333

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60	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Drop Test	Test no. 13 JSS 55555 Rev 3
61	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	IEC 60571 Cl 12.2.5
62	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test ‘a’ IS 9000 Part 3 (Sec 2)
63	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test ‘b’ IS 9000 Part 3 (Sec 3)
64	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test ‘c’ IS 9000 Part 3 (Sec 4)
65	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test ‘d’ IS 9000 Part 3 (Sec 5)
66	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test Bb IEC 60068-2-2 Cl 5.2
67	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test Bd IEC 60068-2-2 Cl 5.3
68	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test Be IEC 60068-2-2 Cl 5.4
69	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test no. 17 JSS 55555
70	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test no. 2 QM 333
71	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test no. 22 JSS 50101 Rev 1
72	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Fall Test	Test no. 12 QM 333
73	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Free Fall	IEC 60068-2-31 Cl 5.2

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74	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Free fall	IS 9000 (Part 7/Sec 3) Cl 5.2
75	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Free Fall	IS 9000 Part 7 (Sec 4)
76	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Functional random vibration test	IEC 61373 Cl. 8
77	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Hammer Test	IEC 60068-2-75
78	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Hammer Test	IS 9000 Part 7 (Sec 7)
79	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Random Drop Test	Test no. 11A JSS 50101 Rev 1
80	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Salt Mist Test	IEC 60571 Cl 12.2.11
81	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Salt Mist Test	IS 9000 (Part 11)
82	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Salt Mist Test	Test Ka: IEC 60068-2-11
83	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Salt Mist Test	Test No 4 JSS 50101 Rev 1
84	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Salt Mist Test	Test No 9 JSS 55555 Rev 3
85	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Salt Mist Test	Test No 9 QM 333
86	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Shock and Bump test	IEC 60571 Cl 12.2.12
87	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Shock test	IEC 61373 Cl 10 (Category 1 & 2)

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88	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Shock Test (Half Sine)	IS 9000 (Part 7/Sec 1)
89	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Shock Test (Half sine)	IS 9000 Part 7 (Sec 1)
90	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Shock Test (Half sine)	Test no. 12 JSS 50101 Rev 1
91	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Shock Test (Half sine)	Test no. 24 JSS 55555 Rev 3
92	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Simulated long-life testing at increased random vibration levels	IEC 61373 Cl. 9
93	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Topple Test	Test no. 11 QM 333
94	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Topple Test	Test no. 26 JSS 55555 Rev 3
95	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test	IEC 60571 Cl. 12.2.12
96	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test (Mixed Mode)	Test Fi IEC 60068-2-80
97	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test (Random)	Test Fh IEC 60068-2-64
98	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test (Random)	Test No 24 JSS 50101 Rev 1
99	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test (Random)	Test No 28 JSS 55555 Rev 3
100	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	IS 9000 (Part 8)
101	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	IS 9001 (Part 13)

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102	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	Test Fc IEC 60068-2-6
103	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	Test No 23 JSS 50101 Rev 1
104	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	Test No 28 JSS 55555 Rev 3
105	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	Test No 6 QM 333
106	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against access to hazardous parts indicated by first characteristic numeral 1 to 6, IP1X, IP2X, IP3X, IP4X, IP5X, IP6X	IS/IEC 60529 Cl. 12
107	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against access to hazardous parts indicated by first characteristic numeral 1 to 6, IP1X, IP2X, IP3X, IP4X, IP5X, IP6X	IS/IEC 60947-1 Annex C
108	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against access to hazardous parts, indicated by additional letter A,B,C,D : IPXXA, IPXXB, IPXXC, IPXXD	IS/IEC 60529 Cl. 15
109	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against access to hazardous parts, indicated by additional letter A,B,C,D : IPXXA, IPXXB, IPXXC, IPXXD	IS/IEC 60947-1 Annex C
110	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against Dust, indicated by first characteristic numerals 5 & 6, IP 5X (Dust Protected), IP 6X (Dust Tight)	IS/IEC 60529 Cl. 13
111	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against Dust, indicated by first characteristic numerals 5 & 6, IP 5X (Dust Protected), IP 6X (Dust Tight)	IS/IEC 60947-1 Annex C

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112	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against effects of temporary / continuous immersion in water, indicated by second characteristic numeral 7 & 8, IPX7 & IPX8	IS/IEC 60034-5 Cl. 5 & 9
113	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against effects of temporary / continuous immersion in water, indicated by second characteristic numeral 7 & 8, IPX7 & IPX8	IS/IEC 60529 Cl. 14
114	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against effects of temporary / continuous immersion in water, indicated by second characteristic numeral 7 & 8, IPX7 & IPX8	IS/IEC 60947-1 Annex C
115	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against solid foreign objects, Indicated by first characteristic numeral 1 to 4, IP1X, IP2X, IP3X, IP4X	IS/IEC 60529 Cl. 13
116	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against solid foreign objects, Indicated by first characteristic numeral 1 to 4, IP1X, IP2X, IP3X, IP4X	IS/IEC 60947-1 Annex C
117	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against spray and splash of water, indicated by second characteristic numeral 3 & 4, IPX3 & IPX4	IS/IEC 60034-5 Cl. 5 & 9
118	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against spray and splash of water, indicated by second characteristic numeral 3 & 4, IPX3 & IPX4	IS/IEC 60529 Cl. 14
119	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against spray and splash of water, indicated by second characteristic numeral 3 & 4, IPX3 & IPX4	IS/IEC 60947-1 Annex C

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120	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against Water jets / powerful water jets, indicated by second characteristic numeral 5 & 6, IPX5 & IPX6	IS/IEC 60034-5 Cl. 5 & 9
121	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against Water jets / powerful water jets, indicated by second characteristic numeral 5 & 6, IPX5 & IPX6	IS/IEC 60529 Cl. 14
122	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection against Water jets / powerful water jets, indicated by second characteristic numeral 5 & 6, IPX5 & IPX6	IS/IEC 60947-1 Annex C
123	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Degree of Protection indicated by first characteristic numeral 1 to 6, IP1X, IP2X, IP3X, IP4X, IP5X, IP6X	IS/IEC 60034-5 Cl. 4 & 8
124	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Water Immersion Test	Test no. 19 JSS 55555 Rev 3
125	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Water Immersion Test	Test no. 8 QM 333
126	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures of Electrical items / equipment / components / assemblies / products	Watertightness test	IEC 60571 Cl. 12.2.13
127	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Measurement of Dielectric Properties	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 10.15
128	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Measurement of Impedance Voltage	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 10.19
129	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Measurement of Insulation Resistance	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 10.16
130	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Measurement of Weight	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 8.1(21)
131	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Measurement of Winding Resistance	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 10.14
132	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Short Circuit Test	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 10.24
133	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Temperature Rise Test	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 10.21

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134	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Voltage Regulation Test	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 10.20
135	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Secondary Voltage Test	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 10.18
136	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Verification of Terminal Markings	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 10.13
137	ELECTRICAL- INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer for Switch board Cabinet of Coaches of Indian Railways	Visual Inspection and Dimensional Checks	RDSO/PE/SPEC/AC/0203 (Rev 0) Cl. 10.12
138	ELECTRICAL- SAFETY TESTING FACILITY	Compactor SS Dustbin	Life Cycle Test	MMDTS 20030 Rev 02 Cl. 8
139	ELECTRICAL- SAFETY TESTING FACILITY	Compactor SS Dustbin	Maximum Current	MMDTS 20030 Rev 02 Cl. 6.3
140	ELECTRICAL- SAFETY TESTING FACILITY	Compactor SS Dustbin	Power Consumption	MMDTS 20030 Rev 02 Cl. 6.5
141	ELECTRICAL- SAFETY TESTING FACILITY	Earth Pit	Earth Electrode Resistance Test (Fall of Potential Method)	IS 3043 Cl. 41.1
142	ELECTRICAL- SAFETY TESTING FACILITY	Electrical and Electronic items / equipment / assemblies / products / appliances or their enclosures	General preventive measures (Surface temperature of equipment or equipment enclosures)	EN 45545-4 Cl. 4.2.1
143	ELECTRICAL- SAFETY TESTING FACILITY	Electronic equipment used on rolling stock and similar Electrical and Electronic items / equipment / assemblies / products	Voltage Withstand Test / High Voltage Test / Dielectric Test	IEC 60571 Cl. 12.2.10
144	ELECTRICAL- SAFETY TESTING FACILITY	Electronic equipment used on rolling stock and similar Electrical and Electronic items / equipment / assemblies / products	Insulation test	IEC 60571 Cl. 12.2.10
145	ELECTRICAL- SAFETY TESTING FACILITY	Electronic equipment used on rolling stock and similar Electrical and Electronic items / equipment / assemblies / products	Performance Test (Functional test with Supply variation and Interruption)	IEC 60571 Cl.12.2.3
146	ELECTRICAL- SAFETY TESTING FACILITY	Lamp Controlgear Components / Similar Electrical and Electronic devices / items / equipment	Electric Strength	IS 15885 (Part 1) Cl. 12
147	ELECTRICAL- SAFETY TESTING FACILITY	Lamp Controlgear Components / Similar Electrical and Electronic devices / items / equipment	Marking	IS 15885 (Part 1) Cl. 7
148	ELECTRICAL- SAFETY TESTING FACILITY	Lamp Controlgear Components / Similar Electrical and Electronic devices / items / equipment	Moisture Resistance and Insulation	IS 15885-1 Cl. 11
149	ELECTRICAL- SAFETY TESTING FACILITY	Lamp Controlgear Components / Similar Electrical and Electronic devices / items / equipment	Protection Against Accidental Contact with Live Parts	IS 15885-1 Cl. 10
150	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Brush Assembly	Contact Resistance Test	EDTS 101 Rev 'C' Cl. 8.4

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151	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Brush Assembly	High Voltage (HV) Test	EDTS 101 Rev 'C' Cl. 8.5.4
152	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Brush Assembly	Insulation Resistance (IR) Test	EDTS 101 Rev 'C' Cl. 8.5.3
153	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Brush Assembly	Load Test of steel spring	EDTS 101 Rev 'C' Cl. 8.4
154	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Brush Assembly	Milli Volt (mV) Drop Test	EDTS 101 Rev 'C' Cl. 8.5.2
155	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Resistor	Continuous Current	EDTS 101 Rev 'C' Cl. 8.4
156	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Resistor	Maximum Current	EDTS 101 Rev 'C' Cl. 8.4
157	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Resistor	Measurement of Resistance	EDTS 101 Rev 'C' Cl. 8.4
158	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Bump Test (Half Sine)	IS 9000 Part 7 (Sec 2)
159	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Burn-in Test (Temperature cyclic)	ERLS/SPEC/ SI/0015 Cl 7.7
160	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Change of Temperature (Temperature Cycling)	Test Nb IEC 60068-2-14 Cl 8
161	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Change of Temperature (Temperature Cycling)	Test Nb IS 9000 Part 14 (Sec 2)
162	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Change of Temperature (Thermal Shock)	Test Nc IEC 60068-2-14 Cl 9
163	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Change of Temperature/ Rapid Temperature Cyclic	Test no. 4 QM 333
164	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Change of Temperature/ Rapid Temperature Cycling / Thermal Shock	Test no. 22 JSS 55555
165	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Change of Temperature/ Temperature cycling	Test no. 20 JSS 50101 Rev 1

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166	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Cold Test (Low temperature)	IEC 60571 Cl. 12.2.4
167	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Cold Test (Low temperature)	Test ‘b’ IS 9000 Part 2 (Sec 3)
168	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Cold Test (Low temperature)	Test ‘d’ IS 9000 Part 2 (Sec 4)
169	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Cold Test (Low temperature)	Test 'a' IS 9000 Part 2 (Sec 2)
170	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Cold Test (Low temperature)	Test Ab IEC 60068-2-1 (Cl. 5.2)
171	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Cold Test (Low temperature)	Test Ad IEC 60068-2-1 (Cl. 5.3)
172	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Cold Test (Low temperature)	Test Ae IEC 60068-2-1 (Cl. 5.4)
173	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Cold Test (Low temperature)	Test no. 1 QM 333
174	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Cold Test (Low temperature)	Test no. 20 JSS 55555 Rev 3
175	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Cold Test (Low temperature)	Test no. 21 JSS 50101 Rev 1
176	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Composite Temperature Humidity Cyclic Test / Damp Heat (Moisture Resistance)	Test no. 6 JSS 50101 Rev 1
177	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Composite Temperature/ Humidity Cyclic Test	IS 9000 (Part 6)
178	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Composite Temperature/ Humidity Cyclic Test	Test Z/Ad IEC 60068-2-38
179	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat (Steady State)	IEC 60068-2-78

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180	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat (Steady State)	IS 9000 Part 4
181	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat (Steady State)	Test no. 5 QM 333
182	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat (Steady State)	Test no. 7 JSS 50101 Rev 1
183	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat Cyclic / Tropical Exposure	Test no. 27 JSS 55555 Rev 3
184	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat Cyclic / Tropical Exposure	Test no. 3 QM 333
185	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat Cyclic	IEC 60571 Cl 12.2.6
186	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat Cyclic	IS 9000 (Part 5 / Sec 1)
187	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat Cyclic	IS 9000 (Part 5 / Sec 2)
188	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat Cyclic	Test Db IEC 60068-2-30
189	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat Cyclic	Test no. 5 JSS 50101 Rev 1
190	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Damp Heat	Test no. 10 JSS 55555 Rev 3
191	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Drop and Topple	IEC 60068-2-31 Cl 5.1
192	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Drop and Topple	IS 9000 (Part 7/Sec 3) Cl 5.1
193	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Drop and Topple	IS 9000 Part 7 (Sec 3)

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194	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Drop Test	Test no. 10 QM 333
195	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Drop Test	Test no. 13 JSS 55555 Rev 3
196	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	IEC 60571 Cl 12.2.5
197	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test ‘a’ IS 9000 Part 3 (Sec 2)
198	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test ‘b’ IS 9000 Part 3 (Sec 3)
199	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test ‘c’ IS 9000 Part 3 (Sec 4)
200	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test ‘d’ IS 9000 Part 3 (Sec 5)
201	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test Bb IEC 60068-2-2 Cl 5.2
202	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test Bd IEC 60068-2-2 Cl 5.3
203	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test Be IEC 60068-2-2 Cl 5.4
204	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test no. 17 JSS 55555
205	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test no. 2 QM 333
206	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Dry Heat (High Temperature)	Test no. 22 JSS 50101 Rev 1
207	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Fall Test	Test no. 12 QM 333

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208	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Free Fall	IEC 60068-2-31 Cl 5.2
209	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Free fall	IS 9000 (Part 7/Sec 3) Cl 5.2
210	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Free Fall	IS 9000 Part 7 (Sec 4)
211	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Functional random vibration test	IEC 61373 Cl. 8
212	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Hammer Test	IEC 60068-2-75
213	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Hammer Test	IS 9000 Part 7 (Sec 7)
214	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Random Drop Test	Test no. 11A JSS 50101 Rev 1
215	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Salt Mist Test	IEC 60571 Cl 12.2.11
216	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Salt Mist Test	IS 9000 (Part 11)
217	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Salt Mist Test	Test Ka: IEC 60068-2-11
218	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Salt Mist Test	Test No 4 JSS 50101 Rev 1
219	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Salt Mist Test	Test No 9 JSS 55555 Rev 3
220	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Salt Mist Test	Test No 9 QM 333
221	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Shock and Bump test	IEC 60571 Cl 12.2.12

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222	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Shock Test (Half Sine)	IEC 60068-2-27
223	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Shock Test (Half Sine)	IS 9000 (Part 7/Sec 1)
224	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Shock Test (Half sine)	IS 9000 Part 7 (Sec 1)
225	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Shock Test (Half sine)	Test no. 12 JSS 50101 Rev 1
226	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Shock Test (Half sine)	Test no. 24 JSS 55555 Rev 3
227	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Shock test	IEC 61373 Cl 10 (Category 1 & 2)
228	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Simulated long-life testing at increased random vibration levels	IEC 61373 Cl. 9
229	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Topple Test	Test no. 11 QM 333
230	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Topple Test	Test no. 26 JSS 55555 Rev 3
231	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test (Mixed Mode)	Test Fi IEC 60068-2-80
232	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test (Random)	Test Fh IEC 60068-2-64
233	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test (Random)	Test No 24 JSS 50101 Rev 1
234	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test (Random)	Test No 28 JSS 55555 Rev 3
235	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	IS 9000 (Part 8)

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236	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	IS 9001 (Part 13)
237	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	Test Fc IEC 60068-2-6
238	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	Test No 23 JSS 50101 Rev 1
239	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	Test No 28 JSS 55555 Rev 3
240	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test (Sinusoidal)	Test No 6 QM 333
241	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Vibration Test	IEC 60571 Cl. 12.2.12
242	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Change of Temperature (Thermal Shock)	Test Na IEC 60068-2-14 Cl 7
243	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic items / equipment / components / assemblies / products	Change of Temperature (Thermal Shock)	Test Na IS 9000 Part 14 (Sec 1)
244	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against access to hazardous parts indicated by first characteristic numeral 1 to 6, IP1X, IP2X, IP3X, IP4X, IP5X, IP6X	IS/IEC 60529 Cl. 12
245	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against access to hazardous parts indicated by first characteristic numeral 1 to 6, IP1X, IP2X, IP3X, IP4X, IP5X, IP6X	IS/IEC 60947-1 Annex C
246	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against access to hazardous parts, indicated by additional letter A,B,C,D : IPXXA, IPXXB, IPXXC, IPXXD	IS/IEC 60529 Cl. 15

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
247	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against access to hazardous parts, indicated by additional letter A,B,C,D : IPXXA, IPXXB, IPXXC, IPXXD	IS/IEC 60947-1 Annex C
248	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against Dust, indicated by first characteristic numerals 5 & 6, IP 5X (Dust Protected), IP 6X (Dust Tight)	IS/IEC 60529 Cl. 13
249	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against Dust, indicated by first characteristic numerals 5 & 6, IP 5X (Dust Protected), IP 6X (Dust Tight)	IS/IEC 60947-1 Annex C
250	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against effects of temporary / continuous immersion in water, indicated by second characteristic numeral 7 & 8, IPX7 & IPX8	IS/IEC 60034-5 Cl. 5 & 9
251	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against effects of temporary / continuous immersion in water, indicated by second characteristic numeral 7 & 8, IPX7 & IPX8	IS/IEC 60529 Cl. 14
252	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against effects of temporary / continuous immersion in water, indicated by second characteristic numeral 7 & 8, IPX7 & IPX8	IS/IEC 60947-1 Annex C
253	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against solid foreign objects, Indicated by first characteristic numeral 1 to 4, IP1X, IP2X, IP3X, IP4X	IS/IEC 60529 Cl. 13
254	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against solid foreign objects, Indicated by first characteristic numeral 1 to 4, IP1X, IP2X, IP3X, IP4X	IS/IEC 60947-1 Annex C

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
255	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against spray and splash of water, indicated by second characteristic numeral 3 & 4, IPX3 & IPX4	IS/IEC 60034-5 Cl. 5 & 9
256	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against spray and splash of water, indicated by second characteristic numeral 3 & 4, IPX3 & IPX4	IS/IEC 60529 Cl. 14
257	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against spray and splash of water, indicated by second characteristic numeral 3 & 4, IPX3 & IPX4	IS/IEC 60947-1 Annex C
258	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against Water jets / powerful water jets, indicated by second characteristic numeral 5 & 6, IPX5 & IPX6	IS/IEC 60034-5 Cl. 5 & 9
259	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against Water jets / powerful water jets, indicated by second characteristic numeral 5 & 6, IPX5 & IPX6	IS/IEC 60529 Cl. 14
260	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection against Water jets / powerful water jets, indicated by second characteristic numeral 5 & 6, IPX5 & IPX6	IS/IEC 60947-1 Annex C
261	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Degree of Protection indicated by first characteristic numeral 1 to 6, IP1X, IP2X, IP3X, IP4X, IP5X, IP6X	IS/IEC 60034-5 Cl. 4 & 8
262	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Water Immersion Test	Test no. 19 JSS 55555 Rev 3
263	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Water Immersion Test	Test no. 8 QM 333
264	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures of Electronic items / equipment / components / assemblies / products	Watertightness test	IEC 60571 Cl. 12.2.13

SCOPE OF ACCREDITATION

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level Monitoring	Leq, Lmax, Lmin upto 24 hours (Day and Night)	IS 9989
2	CHEMICAL- ATMOSPHERIC POLLUTION	Illumination Monitoring	Luminance	IS 3646 (Part 1)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Illumination Monitoring	Luminance	IS 6665
4	CHEMICAL- ATMOSPHERIC POLLUTION	Noise (AC Generator sets)	Noise measurement	IS/ISO 8528-10
5	CHEMICAL- ATMOSPHERIC POLLUTION	Noise (DG sets, Boiler, Compressor etc)	Source Noise	IS 4758 Cl.4.1.1(d)
6	ELECTRICAL- SAFETY TESTING FACILITY	Earth Pit	Earth Electrode Resistance Test (Fall of Potential Method)	IS 3043 Cl. 41.1