



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20, PANCHKULA, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-17273	Page No	1 of 34
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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Testing				
1	CHEMICAL-ATMOSPHERIC POLLUTION	Distribution Transformer	Acoustic Noise Level	RDSO/PE/SPEC/AC/0080 (Rev 1) Cl. 8.9 (25/11/2019)
2	CHEMICAL-ATMOSPHERIC POLLUTION	LED based Luminaire	Lux measurement	RDSO/PE/SPEC/TL/0091 (Rev 1) Cl. 8.0 (05/07/2016)
3	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and electronic component, equipment or system	Electrical Fast Transient (EFT) / Burst immunity Test	IEC 61000-4-4
4	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and electronic component, equipment or system	Electrical Fast Transient (EFT) / Burst immunity Test	IS 14700 (Part 4/Sec 4)
5	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and electronic component, equipment or system	Electrostatic Discharge (ESD) Immunity Test (Contact and Air Discharge)	IEC 61000-4-2
6	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and electronic component, equipment or system	Electrostatic Discharge (ESD) Immunity Test (Contact and Air Discharge)	IS 14700 (Part 4/Sec 2)
7	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and electronic component, equipment or system	Power-frequency magnetic field immunity test	IEC 61000-4-8
8	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and electronic component, equipment or system	Power-frequency magnetic field immunity test	IS 14700 (Part 4/Sec 8)
9	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and electronic component, equipment or system	Surge Immunity Test	IEC 61000-4-5
10	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and electronic component, equipment or system	Surge Immunity Test	IS 14700 (Part 4/Sec 5)
11	ELECTRICAL- EMI / EMC TEST FACILITY	Equipment used on rolling stock	Electrical Fast Transient (EFT) / Burst immunity Test	IEC 60571 (Cl 12.2.8)



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12	ELECTRICAL- EMI / EMC TEST FACILITY	Equipment used on rolling stock	Electrostatic Discharge (ESD) Immunity Test (Contact and Air Discharge)	IEC 60571 (CI 12.2.8)
13	ELECTRICAL- EMI / EMC TEST FACILITY	Equipment used on rolling stock	Surge Immunity Test	IEC 60571 (CI 12.2.8)
14	ELECTRICAL- EMI / EMC TEST FACILITY	Static watthour & var-hour (Energy/ Power) meters	Electrical Fast Transient (EFT) / Fast Transient Burst Test	IS 13779 (CI 12.9.4)
15	ELECTRICAL- EMI / EMC TEST FACILITY	Static watthour & var-hour (Energy/ Power) meters	Electrical Fast Transient (EFT) / Fast Transient Burst Test	IS 14697 (CI 12.8.4)
16	ELECTRICAL- EMI / EMC TEST FACILITY	Static watthour & var-hour (Energy/ Power) meters	Electrostatic Discharge (ESD) Immunity Test (Contact and Air Discharge)	IS 13779 (CI 12.9.2)
17	ELECTRICAL- EMI / EMC TEST FACILITY	Static watthour & var-hour (Energy/ Power) meters	Electrostatic Discharge (ESD) Immunity Test (Contact and Air Discharge)	IS 14697 (CI 12.8.2)
18	ELECTRICAL- EMI / EMC TEST FACILITY	Static watthour & var-hour (Energy/ Power) meters	Surge Immunity Test	IS 13779 (CI 12.9.5)
19	ELECTRICAL- EMI / EMC TEST FACILITY	Static watthour & var-hour (Energy/ Power) meters	Surge Immunity Test	IS 14697 (CI. 12.8.5)
20	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Component type specimens	Composite Temperature/ Humidity Cyclic Test	IS/IEC 60068 (Part 2/ Sec 38) Test Z/Ad
21	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Components & Equipment (heat-dissipating/ non-heat-dissipating)	Damp Heat (Steady State)	IEC 60068-2-78
22	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Components & Equipment (heat-dissipating/ non-heat-dissipating)	Damp Heat (Steady State)	IS 9000 Part 4
23	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Components & Equipment or other articles	Damp Heat Cyclic	IEC 60068 (Part 2/ Sec 30) Test Db



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24	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Components & Equipment or other articles	Vibration Test (Sinusoidal)	IS/IEC 60068 (Part 2/ Sec 6) Test Fc
25	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Components, equipment or other articles	Change of Temperature (Temperature Cycling)	IEC 60068 (Part 2/ Sec 14) Test Nb (Cl 8)
26	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Components, equipment or other articles	Change of Temperature (Temperature Cycling)	IEC 60068 (Part 2/ Sec 14) Test Nc (Cl 9)
27	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Components, equipment or other articles	Change of Temperature (Temperature Cycling)	IS/IEC 60068 (Part 2/ Sec 14) Test Nb
28	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Components, equipment or other articles	Change of Temperature (Thermal Shock)	IEC 60068 (Part 2/ Sec 14) Test Na (Cl 7)
29	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Components, equipment or other articles	Change of Temperature (Thermal Shock)	IS/IEC 60068 (Part 2/ Sec 14) Test Na
30	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical items / equipment / components / assemblies / products	Free fall	IS 9000 (Part 7/Sec 3) Cl 5.2
31	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electro-technical items & products	Vibration Test (Mixed Mode)	IEC 60068 (Part 2/ Sec 80) Test Fi
32	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electro-technical items & products	Vibration Test (Random)	IEC 60068 (Part 2/ Sec 64) Test Fh
33	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electro-technical items & products	Hammer Test	IEC 60068-2-75
34	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electro-technical items & products	Hammer Test	IS 9000 Part 7 (Sec 7)
35	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electro-technical products components, equipment and materials	Salt Mist Test	IEC 60068 (Part 2/ Sec 1) Test Ka



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36	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Change of Temperature/ Rapid Temperature Cycling / Thermal Shock	JSS 55555 Rev 4 Test no. 22
37	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	JSS 55555 Rev 3 Test no. 20
38	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Damp Heat	JSS 55555 Rev 4 Test no. 10
39	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Damp Heat Cyclic / Tropical Exposure	JSS 55555 Rev 4 Test no. 27
40	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Drop Test	JSS 55555 Rev 4 Test no. 13
41	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Dry Heat (High Temperature)	JSS 55555 Rev 4 Test no. 17
42	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Salt Mist Test	JSS 55555 Rev 4 Test No 9
43	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Shock Test (Half sine)	JSS 55555 Rev 4 Test no. 24
44	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Topple Test	JSS 55555 Rev 4 Test no. 26
45	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Vibration Test (Random)	JSS 55555 Rev 4 Test No 28
46	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Water Immersion Test	JSS 55555 Rev 4 Test no. 19



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47	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Salt Mist Test	IS 9000 (Part 11)
48	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Vibration Test (Sinusoidal)	JSS 55555 Rev 4 Test No 28
49	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Dry Heat (High Temperature)	IS 9000 (Part 3/ Sec 2) Test 'a'
50	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Dry Heat (High Temperature)	IS 9000 (Part 3/ Sec 3) Test 'b'
51	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Dry Heat (High Temperature)	IS 9000 (Part 3/ Sec 4) Test 'c'
52	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Dry Heat (High Temperature)	IS 9000 (Part 3/ Sec 5) Test 'd'
53	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Shock Test (Half Sine)	IEC 60068-2-27
54	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Damp Heat Cyclic	IS 9000 (Part 5 / Sec 1)
55	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Damp Heat Cyclic	IS 9000 (Part 5 / Sec 2)
56	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Shock Test (Half Sine)	IS 9000 (Part 7/Sec 1)
57	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic and Electrical Equipment	Altitude Test	JSS 55555 Rev 4 Test no. 3
58	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronics used in rolling stock application	Burn-in Test (Temperature cyclic)	ERLS/SPEC/ SI/0015 CI 7.7



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59	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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
60	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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
61	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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
62	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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
63	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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
64	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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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65	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	Degree of Protection against Water jets / powerful water jets, indicated by second characteristic numeral 5 & 6, IPX5 & IPX6	IS/IEC 60947-1 Annex C
66	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	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
67	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	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
68	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	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
69	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	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
70	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	Degree of Protection against solid foreign objects, Indicated by first characteristic numeral 1 to 4, IP1X, IP2X, IP3X, IP4X	IS/IEC 60529 Cl. 13



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71	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	Degree of Protection against spray and splash of water, indicated by second characteristic numeral 3 & 4, IPX3 & IPX4	IS/IEC 60529 Cl. 14
72	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	Degree of Protection against Water jets / powerful water jets, indicated by second characteristic numeral 5 & 6, IPX5 & IPX6	IS/IEC 60529 Cl. 14
73	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for rotating electrical machines	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
74	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for rotating electrical machines	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
75	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for rotating electrical machines	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
76	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for rotating electrical machines	Degree of Protection indicated by first characteristic numeral 1 to 6, IP1X, IP2X, IP3X, IP4X, IP5X, IP6X	IS/IEC 60034-5 Cl. 4 & 8



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77	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	IEC 60571 Cl. 12.2.4
78	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Damp Heat Cyclic	IEC 60571 Cl 12.2.6
79	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Dry Heat (High Temperature)	IEC 60571 Cl 12.2.5
80	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Salt Mist Test	IEC 60571 Cl 12.2.11
81	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Shock and Bump test	IEC 60571 Cl 12.2.12
82	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Vibration Test	IEC 60571 Cl. 12.2.12
83	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Watertightness test	IEC 60571 Cl. 12.2.13
84	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Equipment-types specimens	Drop and Topple	IEC 60068-2-31 Cl 5.1
85	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Equipment-types specimens	Drop and Topple	IS 9000 (Part 7/Sec 3) Cl 5.1
86	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Equipment-types specimens	Free Fall	IEC 60068-2-31 Cl 5.2
87	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	IEC 60068(Part 2/ Sec 1) Test Ae (Cl. 5.4)



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88	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	IS/IEC 60068 (Part 2/ Sec 1) Test Ad (Cl. 5.3)
89	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	IEC 60068 (Part 2/ Sec 1) Test Ad (Cl. 5.3)
90	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	IS/IEC 60068 (Part 2/ Sec 1) Test Ae (Cl. 5.4)
91	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Dry Heat (High Temperature)	IEC 60068 (Part 2/ Sec 2) Test Bd (Cl 5.3)
92	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Dry Heat (High Temperature)	IEC 60068 (Part 2/ Sec 2) Test Be (Cl 5.4)
93	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Items of equipment for use on railway vehicles	Functional random vibration test	IEC 61373 Cl. 8
94	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Items of equipment for use on railway vehicles	Shock test	IEC 61373 Cl 10 (Category 1 & 2)
95	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Items of equipment for use on railway vehicles	Simulated long-life testing at increased random vibration levels	IEC 61373 Cl. 9
96	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Humidity	MIL-STD-810H Test no. 507.6
97	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Shock	MIL-STD-810H Test no. 516.8
98	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Temperature Shock	MIL-STD-810H Test no. 503.7



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99	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Materiel/ Equipment pertaining to military or commercial applications	Freeze/Thaw	MIL-STD-810H Test no. 524.1
100	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Materiel/ Equipment pertaining to military or commercial applications	High Temperature	MIL-STD-810H Test no. 501.7
101	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Materiel/ Equipment pertaining to military or commercial applications	Low Pressure (Altitude)	MIL-STD-810H Test no. 500.6
102	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Materiel/ Equipment pertaining to military or commercial applications	Low Temperature	MIL-STD-810H Test no. 502.7
103	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Materiel/ Equipment pertaining to military or commercial applications	Mechanical Vibrations of Shipboard Equipment	MIL-STD-810H Test no. 528.1
104	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Materiel/ Equipment pertaining to military or commercial applications	Salt Fog	MIL-STD-810H Test no. 509.7
105	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Materiel/ Equipment pertaining to military or commercial applications	Vibration	MIL-STD-810H Test no. 514.8
106	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Non heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	IS/IEC 60068 (Part 2/ Sec 1) Test Ab (Cl. 5.2)
107	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Non heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature)Height X Width X Depth = 1.1m X 0.8 m X 1.1m	IEC 60068 (Part 2/ Sec 1) Test Ab (Cl. 5.2)
108	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Non heat-dissipating specimen (products, components, equipment and materials)	Dry Heat (High Temperature)	IEC 60068 (Part 2/ Sec 2) Test Bb (Cl 5.2)
109	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Paints, varnishes and related products	Neutral Salt Spray Test	IS 101 (Part 6/ Sec 1) Cl. 3



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110	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Cold Test (Low temperature) Height X Width X Depth = 1.1m X 0.8 m X 1.1m	JSS 50101 Rev 2 Test no. 21
111	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Change of Temperature/ Temperature cycling	JSS 50101 Rev 2 Test no. 20
112	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Composite Temperature Humidity Cyclic Test / Damp Heat (Moisture Resistance)	JSS 50101 Rev 2 Test no. 6
113	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Damp Heat (Steady State)	JSS 50101 Rev 2 Test no. 7
114	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Damp Heat Cyclic	JSS 50101 Rev 2 Test no. 5
115	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Dry Heat (High Temperature)	JSS 50101 Rev 2 Test no. 22
116	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Random Drop Test	JSS 50101 Rev 2 Test no. 11A
117	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Salt Mist Test	JSS 50101 Rev 2 Test No 4
118	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Shock Test (Half sine)	JSS 50101 Rev 2 Test no. 12
119	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Vibration Test (Random)	JSS 50101 Rev 2 Test No 24
120	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Vibration Test (Sinusoidal)	JSS 50101 Rev 2 Test No 23



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121	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Specimens of metals and coated metals	Salt Spray Test	ASTM B117
122	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Change of Temperature/ Rapid Temperature Cyclic	QM 333 Test no. 4
123	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Cold Test (Low temperature)Height X Width X Depth = 1.1m X 0.8 m X 1.1m	QM 333 Test no. 1
124	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Damp Heat (Steady State)	QM 333 Test no. 5
125	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Damp Heat Cyclic / Tropical Exposure	QM 333 Test no. 3
126	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Drop Test	QM 333 Test no. 10
127	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Dry Heat (High Temperature)	QM 333 Test no. 2
128	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Fall Test	QM 333 Test no. 12
129	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Salt Mist Test	QM 333 Test No 9
130	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Topple Test	QM 333 Test no. 11
131	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Vibration Test (Sinusoidal)	QM 333 Test No 6



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132	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Water Immersion Test	Test no. 8 QM 333
133	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Measurement of Dielectric Properties	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 10.15
134	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Measurement of Impedance Voltage	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 10.19
135	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Measurement of Insulation Resistance	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 10.16
136	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Measurement of Weight	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 8.1(21)
137	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Measurement of Winding Resistance	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 10.14
138	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Secondary Voltage Test	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 10.18
139	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Short Circuit Test	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 10.24
140	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Temperature Rise Test	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 10.21
141	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Verification of Terminal Markings	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 10.13
142	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Visual Inspection and Dimensional Checks	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 10.12
143	ELECTRICAL-INDUCTORS & TRANSFORMERS	Control and Measuring Voltage Transformer	Voltage Regulation Test	RDSO/PE/SPEC/AC/0203 Rev 0 (08/04/2021) Cl. 10.20



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144	ELECTRICAL- SAFETY TESTING FACILITY	Cabinets, Enclosures, Panels of Devices & Appliances etc. as Fire Barrier	General preventive measures (Surface temperature of equipment or equipment enclosures)	EN 45545-4 Cl. 4.2.1
145	ELECTRICAL- SAFETY TESTING FACILITY	Compactor SS Dustbin	Life Cycle Test	STP-01.EET / MMDTS 20030 Rev 02 Cl. 8
146	ELECTRICAL- SAFETY TESTING FACILITY	Compactor SS Dustbin	Maximum Current	STP-01.EET / MMDTS 20030 Rev 02 Cl. 6.3
147	ELECTRICAL- SAFETY TESTING FACILITY	Compactor SS Dustbin	Power Consumption	STP-01.EET / MMDTS 20030 Rev 02 Cl. 6.5
148	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electrical/ Electronic Appliances like Air Conditioners, Refrigerators, Television, Computer, Microwave oven, Fan, Luminaire & others, Electronic equipment and devices like LED Monitor, Printer, LAN Router/ Switch, Digital Camera, Emergency light/ Torch, Solid state relay, Telephone & others, Audio/ Video Devices such as Amplifier, FM Receiver, Home theater, Set-top box & others, Power supply like Charger, UPS, AC/DC Adapters, AC generator & Others, Medical & Clinical Equipment like Autoclave, Incubator, Centrifuge, Water bath, Audiometer & others, Switchgear equipment like MCB, Relay, Switch, Fan regulator, Plug, Socket & others, Electrical cable, Wire, Cell, Battery, Solar Panel, Transformer, Motor.	Verification/ measurement of weight	STP-03.EET



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149	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electrical/ Electronic Appliances like Air Conditioners, Refrigerators, Television, Computer, Microwave oven, Fan, Luminaire & others, Electronic equipment and devices like LED Monitor, Printer, LAN Router/ Switch, Digital Camera, Emergency light/ Torch, Solid state relay, Telephone & others, Audio/ Video Devices such as Amplifier, FM Receiver, Home theater, Set-top box & others, Power supply like Charger, UPS, AC/DC Adapters, AC generator & Others, Medical & Clinical Equipment like Autoclave, Incubator, Centrifuge, Water bath, Audiometer & others, Switchgear equipment like MCB, Relay, Switch, Fan regulator, Plug, Socket & others, Electrical cable, Wire, Cell, Battery, Solar Panel, Transformer, Motor.	Verification/ measurement of dimensions/ size (e.g. length, height, width)	STP-02.EET
150	ELECTRICAL- SAFETY TESTING FACILITY	Earth Pit	Earth Electrode Resistance Test (Fall of Potential Method)	IS 3043 Cl. 41.1
151	ELECTRICAL- SAFETY TESTING FACILITY	Equipment used on rolling stock	Insulation test	IEC 60571 Cl. 12.2.10
152	ELECTRICAL- SAFETY TESTING FACILITY	Equipment used on rolling stock	Performance Test (Functional test with Supply variation and Interruption)	IEC 60571 Cl.12.2.3
153	ELECTRICAL- SAFETY TESTING FACILITY	Equipment used on rolling stock	Voltage Withstand Test / High Voltage Test / Dielectric Test	IEC 60571 Cl. 12.2.10
154	ELECTRICAL- SAFETY TESTING FACILITY	Lamp Controlgear	Electric Strength	IS 15885 (Part 1) Cl. 12
155	ELECTRICAL- SAFETY TESTING FACILITY	Lamp Controlgear	Marking	IS 15885 (Part 1) Cl. 7
156	ELECTRICAL- SAFETY TESTING FACILITY	Lamp Controlgear	Moisture Resistance and Insulation	IS 15885-1 Cl. 11
157	ELECTRICAL- SAFETY TESTING FACILITY	Lamp Controlgear	Protection Against Accidental Contact with Live Parts	IS 15885-1 Cl. 10



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158	ELECTRICAL- SAFETY TESTING FACILITY	Lamp Controlgear	Provisions for protective earthing	IS 15885-1 Cl. 9
159	ELECTRICAL- SAFETY TESTING FACILITY	Plastic Materials for Parts in Devices & Appliances	Flammability / Vertical burning test (V-0, V-1 or V-2)	UL-94 Cl.8
160	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Brush Assembly	Contact Resistance Test	STP-05.EET / EDTS 101 Rev 'C' Cl. 8.4
161	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Brush Assembly	High Voltage (HV) Test	STP-05.EET / EDTS 101 Rev 'C' Cl. 8.5.4
162	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Brush Assembly	Insulation Resistance (IR) Test	STP-05.EET / EDTS 101 Rev 'C' Cl. 8.5.3
163	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Brush Assembly	Load Test of steel spring	STP-05.EET / EDTS 101 Rev 'C' Cl. 8.4
164	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Brush Assembly	Milli Volt (mV) Drop Test	STP-05.EET / EDTS 101 Rev 'C' Cl. 8.5.2
165	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Resistor	Continuous Current	STP-05.EET / EDTS 101 Rev 'C' Cl. 8.4
166	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Resistor	Maximum Current	STP-05.EET / EDTS 101 Rev 'C' Cl. 8.4
167	ELECTRICAL- SAFETY TESTING FACILITY	Wheel Set Earthing Equipment - Earthing Resistor	Measurement of Resistance	STP-05.EET / EDTS 101 Rev 'C' Cl. 8.4
168	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Accuracy	IS: 9281 (Part 2) Cl. 5
169	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Creep	IS: 9281 (Part 2) Cl. 11



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170	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Creep recovery	IS: 9281 (Part 2) Cl. 12
171	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Cross sensitivity	IS: 9281 (Part 2) Cl. 10
172	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Drift	IS: 9281 (Part 2) Cl. 17
173	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Fatigue capacity	IS: 9281 (Part 2) Cl. 13
174	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Hysteresis	IS: 9281 (Part 2) Cl. 7
175	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Insulation resistance	IS: 9281 (Part 2) Cl. 18
176	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Marking	IS: 9281 (Part 2) Cl. 4



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177	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Non-linearity	IS: 9281 (Part 2) Cl. 6
178	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Overload	IS: 9281 (Part 2) Cl. 9
179	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Repeatability	IS: 9281 (Part 2) Cl. 14
180	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Resolution	IS: 9281 (Part 2) Cl. 15
181	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Response time	IS: 9281 (Part 2) Cl. 20
182	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Sensitivity	IS: 9281 (Part 2) Cl. 8
183	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Span	IS: 9281 (Part 2) Cl. 16



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184	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Electronic Weighing Systems (Scales and balances)	Thermal Impedance (Excitation and Signal)	IS: 9281 (Part 2) Cl. 19
185	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Component type specimens	Composite Temperature/ Humidity Cyclic Test	IS/IEC 60068 (Part 2/ Sec 38) Test Z/Ad
186	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Components & Equipment (heat-dissipating/ non-heat-dissipating)	Damp Heat (Steady State)	IEC 60068-2-78
187	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Components & Equipment (heat-dissipating/ non-heat-dissipating)	Damp Heat (Steady State)	IS 9000 Part 4
188	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Components & Equipment or other articles	Damp Heat Cyclic	IEC 60068 (Part 2/ Sec 30) Test Db
189	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Components & Equipment or other articles	Vibration Test (Sinusoidal)	IEC 60068 (Part 2/ Sec 6) Test Fc
190	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Components, equipment or other articles	Change of Temperature (Temperature Cycling)	IEC 60068 (Part 2/ Sec 14) Test Nb (Cl 8)
191	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Components, equipment or other articles	Change of Temperature (Temperature Cycling)	IS/IEC 60068 (Part 2/ Sec 14) Test Nb
192	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Components, equipment or other articles	Change of Temperature (Thermal Shock)	IEC 60068 (Part 2/ Sec 14) Test Na (Cl 7)
193	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Components, equipment or other articles	Change of Temperature (Thermal Shock)	IEC 60068 (Part 2/ Sec 14) Test Nc (Cl 9)
194	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Components, equipment or other articles	Change of Temperature (Thermal Shock)	IS/IEC 60068 (Part 2/ Sec 14) Test Na



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195	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electro-technical items & products	Vibration Test (Mixed Mode)	IEC 60068 (Part 2/ Sec 80) Test Fi
196	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electro-technical items & products	Vibration Test (Random)	IEC 60068 (Part 2/ Sec 64) Test Fh
197	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electro-technical items & products	Hammer Test	IEC 60068-2-75
198	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electro-technical items & products	Hammer Test	IS 9000 Part 7 (Sec 7)
199	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electro-technical products components, equipment and materials	Salt Mist Test	IEC 60068 (Part 2/ Sec 11) Test Ka
200	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Change of Temperature/ Rapid Temperature Cycling / Thermal Shock	JSS 55555 Rev 4 Test no. 22
201	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Cold Test (Low temperature)	JSS 55555 Rev 4 Test no. 20
202	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Dry Heat (High Temperature)	JSS 55555 Rev 4 Test no. 17
203	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Salt Mist Test	JSS 55555 Rev 4 Test No 9
204	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Vibration Test (Random)	JSS 55555 Rev 4 Test No 28
205	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Water Immersion Test	JSS 55555 Rev 4 Test no. 19
206	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Damp Heat Cyclic / Tropical Exposure	JSS 55555 Rev 4 Test no. 27



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207	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Damp Heat	JSS 55555 Rev 4 Test no. 10
208	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Shock Test (Half sine)	JSS 55555 Rev 4 Test no. 24
209	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Topple Test	JSS 55555 Rev 4 Test no. 26
210	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Salt Mist Test	IS 9000 (Part 11)
211	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Vibration Test (Sinusoidal)	JSS 55555 Rev 4 Test No 28
212	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Equipment	Drop Test	JSS 55555 Rev 4 Test no. 13
213	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical equipment	Altitude Test	JSS 55555 Rev 4 Test no. 3
214	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Dry Heat (High Temperature)	IS 9000 (Part 3/ Sec 2) Test 'a'
215	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Dry Heat (High Temperature)	IS 9000 (Part 3/ Sec 3) Test 'b'
216	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Dry Heat (High Temperature)	IS 9000 (Part 3/ Sec 5) Test 'd'
217	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Dry Heat (High Temperature)	IS 9000 (Part 3/ Sec 4) Test 'c'
218	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Damp Heat Cyclic	IS 9000 (Part 5 / Sec 1)



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219	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Damp Heat Cyclic	IS 9000 (Part 5 / Sec 2)
220	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Shock Test (Half Sine)	IEC 60068-2-27
221	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic & Electrical Items	Shock Test (Half Sine)	IS 9000 (Part 7/Sec 1)
222	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics used in rolling stock application	Burn-in Test (Temperature cyclic)	ERLS/SPEC/ SI/0015 CI 7.7
223	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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
224	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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
225	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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
226	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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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227	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	Degree of Protection against spray and splash of water, indicated by second characteristic numeral 3 & 4, IPX3 & IPX4	IS/IEC 60947-1 Annex C
228	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	Degree of Protection against Water jets / powerful water jets, indicated by second characteristic numeral 5 & 6, IPX5 & IPX6	IS/IEC 60947-1 Annex C
229	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosed switchgear and controlgear	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
230	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	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
231	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	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
232	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	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



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233	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	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
234	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	Degree of Protection against solid foreign objects, Indicated by first characteristic numeral 1 to 4, IP1X, IP2X, IP3X, IP4X	IS/IEC 60529 Cl. 13
235	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	Degree of Protection against spray and splash of water, indicated by second characteristic numeral 3 & 4, IPX3 & IPX4	IS/IEC 60529 Cl. 14
236	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for Electronic & Electrical Equipment	Degree of Protection against Water jets / powerful water jets, indicated by second characteristic numeral 5 & 6, IPX5 & IPX6	IS/IEC 60529 Cl. 14
237	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for rotating electrical machines	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
238	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for rotating electrical machines	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



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239	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for rotating electrical machines	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
240	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Enclosures for rotating electrical machines	Degree of Protection indicated by first characteristic numeral 1 to 6, IP1X, IP2X, IP3X, IP4X, IP5X, IP6X	IS/IEC 60034-5 Cl. 4 & 8
241	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Damp Heat Cyclic	IEC 60571 Cl 12.2.6
242	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Salt Mist Test	IEC 60571 Cl 12.2.11
243	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Shock and Bump test	IEC 60571 Cl 12.2.12
244	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Vibration Test	IEC 60571 Cl. 12.2.12
245	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Watertightness test	IEC 60571 Cl. 12.2.13
246	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Cold Test (Low temperature)	IEC 60571 Cl. 12.2.4
247	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment used on rolling stock	Dry Heat (High Temperature)	IEC 60571 Cl 12.2.5
248	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment-types specimens	Drop and Topple	IEC 60068-2-31 Cl 5.1



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249	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment-types specimens	Drop and Topple	IS 9000 (Part 7/Sec 3) Cl 5.1
250	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment-types specimens	Free Fall	IEC 60068-2-31 Cl 5.2
251	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Equipment-types specimens	Free fall	IS 9000 (Part 7/Sec 3) Cl 5.2
252	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Dry Heat (High Temperature)	IEC 60068 (Part 2/ Sec 2) Test Bd (Cl 5.3)
253	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Dry Heat (High Temperature)	IEC 60068 (Part 2/ Sec 2) Test Be (Cl 5.4)
254	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature)	IEC 60068 (Part 2/ Sec 1) Test Ad (Cl. 5.3)
255	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature)	IEC 60068 (Part 2/ Sec 1) Test Ad (Cl. 5.3)
256	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature)	IEC 60068 (Part 2/ Sec 1) Test Ae (Cl. 5.4)
257	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature)	IEC 60068 (Part 2/ Sec 1) Test Ae (Cl. 5.4)
258	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Items of equipment for use on railway vehicles	Functional random vibration test	IEC 61373 Cl. 8
259	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Items of equipment for use on railway vehicles	Simulated long-life testing at increased random vibration levels	IEC 61373 Cl. 9
260	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Items of equipment for use on railway vehicles	Shock test	IEC 61373 Cl 10 (Category 1 & 2)



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261	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Humidity	MIL-STD-810H Test no. 507.6
262	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Low Pressure (Altitude)	MIL-STD-810H Test no. 500.6
263	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Shock	MIL-STD-810H Test no. 516.8
264	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Temperature Shock	MIL-STD-810H Test no. 503.7
265	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Freeze/Thaw	MIL-STD-810H Test no. 524.1
266	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	High Temperature	MIL-STD-810H Test no. 501.7
267	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Low Temperature	MIL-STD-810H Test no. 502.7
268	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Mechanical Vibrations of Shipboard Equipment	MIL-STD-810H Test no. 528.1
269	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Salt Fog	MIL-STD-810H Test no. 509.7
270	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Material/ Equipment pertaining to military or commercial applications	Vibration	MIL-STD-810H Test no. 514.8
271	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Non heat-dissipating specimen (products, components, equipment and materials)	Dry Heat (High Temperature)	IEC 60068 (Part 2/ Sec 2) Test Bb (Cl 5.2)
272	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Non heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature)	IEC 60068 (Part 2/ Sec 1) Test Ab (Cl. 5.2)



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273	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Non heat-dissipating specimen (products, components, equipment and materials)	Cold Test (Low temperature)	IS/IEC 60068 (Part 2/ Sec 1) Test Ab (Cl. 5.2)
274	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Altitude Test	JSS 5855-11 Test no. 1
275	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Change of Temperature (Thermal Shock) Rapid Temperature Cyclic	JSS 5855-11 Test no. 14
276	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Cold Test	JSS 5855-11 Test no. 12
277	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Damp Heat	JSS 5855-11 Test no. 6
278	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Damp Heat Cyclic / Tropical Exposure	JSS 5855-11 Test no. 19
279	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Drop Test	JSS 5855-11 Test no. 8
280	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Dry Heat (High Temperature)	JSS 5855-11 Test no. 10
281	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Salt Mist Test (Corrosion test)	JSS 5855-11 Test no. 5
282	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Shock Test (Half Sine)	JSS 5855-11 Test no. 16
283	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Topple Test	JSS 5855-11 Test no. 18
284	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Vibration Test (Sinusoidal)	JSS 5855-11 Test no. 20



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285	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Vibration Test (Random)	JSS 5855-11 Test no. 20
286	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Optical and Electro-optical Instruments / Devices	Water Immersion Test	JSS 5855-11 Test no. 11
287	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Damp Heat Cyclic	JSS 50101 Rev 2 Test no. 5
288	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Dry Heat (High Temperature)	JSS 50101 Rev 2 Test no. 22
289	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Random Drop Test	JSS 50101 Rev 2 Test no. 11A
290	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Salt Mist Test	JSS 50101 Rev 2 Test No 4
291	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Shock Test (Half sine)	JSS 50101 Rev 2 Test no. 12
292	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Vibration Test (Random)	JSS 50101 Rev 2 Test No 24
293	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Change of Temperature/ Temperature cycling	JSS 50101 Rev 2 Test no. 20
294	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Cold Test (Low temperature)	JSS 50101 Rev 2 Test no. 21
295	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Damp Heat (Steady State)	JSS 50101 Rev 2 Test no. 7



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296	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Composite Temperature Humidity Cyclic Test / Damp Heat (Moisture Resistance)	JSS 50101 Rev 2 Test no. 6
297	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Service Electronic Components	Vibration Test (Sinusoidal)	JSS 50101 Rev 2 Test No 23
298	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Specimens of metals and coated metals	Salt Spray Test	ASTM B117
299	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Change of Temperature/ Rapid Temperature Cyclic	QM 333 Test no. 4
300	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Damp Heat Cyclic / Tropical Exposure	QM 333 Test no. 3
301	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Fall Test	QM 333 Test no. 12
302	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Topple Test	QM 333 Test no. 11
303	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Water Immersion Test	QM 333 Test no. 8
304	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Cold Test (Low temperature)	QM 333 Test no. 1
305	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Damp Heat (Steady State)	QM 333 Test no. 5
306	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Drop Test	QM 333 Test no. 10



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307	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Dry Heat (High Temperature)	QM 333 Test no. 2
308	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Salt Mist Test	QM 333 Test No 9
309	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Telecommunication Equipment	Vibration Test (Sinusoidal)	QM 333 Test No 6



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Site Testing				
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)	Measurement of Airborne Noise by the Enveloping Surface Method	IS/ISO 8528 (Part 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	Domestic Electrical/ Electronic Appliances like Air Conditioners, Refrigerators, Television, Computer, Microwave oven, Fan, Luminaire & others, Electronic equipment and devices like LED Monitor, Printer, LAN Router/ Switch, Digital Camera, Emergency light/ Torch, Solid state relay, Telephone & others, Audio/ Video Devices such as Amplifier, FM Receiver, Home theater, Set-top box & others, Power supply like Charger, UPS, AC/DC Adapters, AC generator & Others, Medical & Clinical Equipment like Autoclave, Incubator, Centrifuge, Water bath, Audiometer & others, Switchgear equipment like MCB, Relay, Switch, Fan regulator, Plug, Socket & others, Electrical cable, Wire, Cell, Battery, Solar Panel, Transformer, Motor.	Verification/ measurement of weight	STP-03.EET



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7	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electrical/ Electronic Appliances like Air Conditioners, Refrigerators, Television, Computer, Microwave oven, Fan, Luminaire & others, Electronic equipment and devices like LED Monitor, Printer, LAN Router/ Switch, Digital Camera, Emergency light/ Torch, Solid state relay, Telephone & others, Audio/ Video Devices such as Amplifier, FM Receiver, Home theater, Set-top box & others, Power supply like Charger, UPS, AC/DC Adapters, AC generator & Others, Medical & Clinical Equipment like Autoclave, Incubator, Centrifuge, Water bath, Audiometer & others, Switchgear equipment like MCB, Relay, Switch, Fan regulator, Plug, Socket & others, Electrical cable, Wire, Cell, Battery, Solar Panel, Transformer, Motor.	Verification/ measurement of dimensions/ size (e.g. length, height, width)	STP-02.EET
8	ELECTRICAL- SAFETY TESTING FACILITY	Earth Pit	Earth Electrode Resistance Test (Fall of Potential Method)	IS 3043 Cl. 41.1