National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NATIONAL RESEARCH AND TECHNOLOGY CONSORTIUM (C-ACT), DEPARTMENT OF INDUSTRIES COMPLEX, SECTOR-1, PARWANOO, SOLAN, HIMACHAL PRADESH, 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	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Abnormal operation	IS 302-2-6 : 2009, Clause 19, RA
2	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Classification- Inspection & verification of Class w.r.t protection against electric shock	IS 302-2-6 : 2009, clause 6, RA
3	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Clearances, Creepage distances and Solid Insulation	IS 302-2-6 : 2009, Clause 29, RA
4	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Components- Verification test for operation and safety	IS 302-2-6 : 2009, Clause 24, RA
5	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Construction	IS 302-2-6 : 2009, Clause 22, RA
6	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Internal wiring	IS 302-2-6 : 2009, Clause 23, RA
7	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Leakage current and Electric strength	IS 302-2-6 : 2009, Clause 16, RA
8	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Leakage current and Electric strength at operating temperature	IS 302-2-6 : 2009, Clause 13, RA
9	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Marking and instructions- Durability Test	IS 302-2-6 : 2009, Clause 7, RA
10	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Mechanical Strength	IS 302-2-6 : 2009, Clause 21, RA
11	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Moisture Resistance	IS 302-2-6 : 2009, Clause 15, RA
12	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Power Input and Current	IS 302-2-6 : 2009, Clause 10, RA
13	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Protection against access to live parts	IS 302-2-6 : 2009, Clause 8, RA
14	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Provision for Earthing	IS 302-2-6 : 2009, Clause 27, RA
15	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Radiation, toxicity and similar hazards	IS 302-2-6 : 2009, Clause 32, RA
16	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Resistance to heat and fire	IS 302-2-6 : 2009, Clause 30, RA
17	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Resistance to rusting	IS 302-2-6 : 2009, Clause 31, RA

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18	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Screws and connections	IS 302-2-6 : 2009, Clause 28, RA
19	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Stability & Mechanical Hazards	IS 302-2-6 : 2009, Clause 20, RA
20	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Supply connection and external flexible cords	IS 302-2-6 : 2009, Clause 25, RA
21	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Temperature rise/ Heating	IS 302-2-6 : 2009, Clause 11, RA
22	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Terminals for external conductors	IS 302-2-6 : 2009, Clause 26, RA
23	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Transient Over voltage	IS 302-2-6 : 2009, Clause 14, RA
24	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Radiation, toxicity and similar hazards	IS 302-2-14 : 2009, IS 4250 Clause 32
25	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Resistance to heat and fire	IS 302-2-14 : 2009, IS 4250 Clause 30
26	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Supply connection and external flexible cords	IS 302-2-14 : 2009, IS 4250 Clause 25
27	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Abnormal operation	IS 302-2-14 : 2009, IS 4250 Clause 19
28	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Classification- Inspection and verification of Class w.r.t protection against electric shock	IS 302-2-14 2009, IS 4250 Clause 6
29	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Clearances, Creepage distances and Solid Insulation	IS 302-2-14 : 2009, IS 4250 Clause 29
30	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Components-verification test for operation and safety	IS 302-2-14 : 2009, IS 4250 Clause 24
31	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Construction	IS 302-2-14 : 2009, IS 4250 Clause 22
32	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Endurance	IS 4250 Clause 18
33	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Internal wiring	IS 302-2-14 : 2009, IS 4250 Clause 23
34	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Leakage current & electric strength at operating temperature	IS 302-2-14 : 2009, IS 4250 Clause 13
35	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Leakage current and Electric strength	IS 4250 : 1980, IS 302-2-14 Clause 16

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36	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Marking and Instructions- Durability Test	IS 302-2-14 : 2009, IS 4250 Clause 7
37	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Mechanical Strength	IS 302-2-14 : 2009, IS 4250 Clause 21
38	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Moisture resistance	IS 4250 : 1980, IS 302-2-14 Clause 15
39	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Operational Tests- Efficiency Test	IS 4250 Clause 34
40	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Power Input and Current	IS 302-2-14 : 2009, IS 4250 Clause 10
41	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Protection against access to live parts/ Protection against electric shock	IS 302-2-14 : 2009, IS 4250 Clause 8
42	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Provision for earthing	IS 302-2-14 : 2009, IS 4250 Clause 27
43	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Resistance to rusting	IS 302-2-14 : 2009, IS 4250 Clause 31
44	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Screws and connections	IS 302-2-14 : 2009, IS 4250 Clause 28
45	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Stability and mechanical hazards	IS 302-2-14 : 2009, IS 4250 Clause 20
46	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Strength of assembly	IS 4250 Clause 37
47	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Temperature rise/ Heating	IS 302-2-14 : 2009, IS 4250 Clause 11
48	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Temperature withstand test for bowl	IS 4250 Clause 35
49	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Terminals for external conductors	IS 302-2-14 : 2009, IS 4250 Clause 26
50	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Test for controls	IS 4250 Clause 36
51	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders) and Centrifugal Juicers, Electric Kitchen Machines	Transient Overvoltage	IS 4250 : 1980, IS 302-2-14 Clause 14
52	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Abnormal operation	IS 302-2-201 : 2008, Clause 19
53	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Classification- Inspection and verification of class w.r.t protection against electric shock	IS 302-2-201 : 2008, IS 368 Clause 6

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54	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Clearances, Creepage distances and Solid Insulation	IS 302-2-201 : 2008, Clause 29
55	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Components- Verification test for operation and safety	IS 302-2-201 : 2008, Clause 24
56	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Construction	IS 302-2-201 : 2008, Clause 22
57	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Endurance	IS 302-2-201 : 2008, Clause 18
58	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Internal wiring	IS 302-2-201 : 2008, Clause 23
59	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Leakage current and Electric strength	IS 302-2-201 : 2008, Clause 16
60	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Leakage current and Electric strength at operating temperature	IS 302-2-201 : 2008, Clause 13
61	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Marking and Instructions- Durability Test	IS 302-2-201 : 2008, Clause 7
62	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Mechanical Strength	IS 302-2-201 : 2008, Clause 21
63	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Moisture Resistance	IS 302-2-201 : 2008, Clause 15
64	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Operation under overload conditions of Appliances with Heating Elements	IS 368 2014 clause 12
65	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Power Input and Current	IS 302-2-201 : 2008, Clause 10
66	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Protection against access to live parts/ Protection against electric shock	IS 302-2-201 : 2008, Clause 8
67	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Provision for earthing	IS 302-2-201 : 2008, Clause 27
68	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Radiation, toxicity and similar hazards	IS 302-2-201 : 2008, Clause 32
69	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Resistance to heat and fire	IS 302-2-201 : 2008, Clause 30
70	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Resistance to rusting	IS 302-2-201 : 2008, Clause 31
71	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Screws and connections	IS 302-2-201 : 2008, Clause 28

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72	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Stability and mechanical hazards	IS 302-2-201 : 2008, clause 20
73	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Supply connection and external flexible cords	IS 302-2-201 : 2008, Clause 25
74	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Temperature rise/ Heating	IS 302-2-201 : 2008, Clause 11
75	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Terminals for external conductors	IS 302-2-201 : 2008, Clause 26
76	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Transient Overvoltage	IS 302-2-201 : 2008, Clause 14
77	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Abnormal operation	IS 302-2-35 Clause 19
78	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Classification-Inspection and Verification of class w.r.t protection against electric shock	IS 8978 Clause 7
79	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Clearances, Creepage distances and Solid Insulation	IS 302-2-35 Clause 29
80	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Coating Finish Test	IS 8978 Clause 10
81	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Components- Verification test for operation and safety	IS 302-2-35 Clause 24
82	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Construction	IS 302-2-35 Clause 22
83	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Endurance	IS 8978 Clause 12
84	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Internal wiring	IS 302-2-35 Clause 23
85	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Leakage current and Electric strength	IS 302-2-35 Clause 16
86	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Leakage current and Electric strength at operating temperature	IS 302-2-35 Clause 13
87	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Marking and Instructions-Durability Test	IS 302-2-35 : 2017, IS 8978 Clause 7
88	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Mechanical Strength	IS 302-2-35 Clause 21
89	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Moisture resistance	IS 302-2-35 Clause 15

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90	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Operation of Flow Switch	IS 8978 Clause 11
91	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Power Input and Current	IS 302-2-35 Clause 10
92	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Protection against access to live parts/ Protection against electric shock	IS 302-2-35 Clause 8
93	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Provision for earthing	IS 302-2-35 Clause 27
94	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Radiation, toxicity and similar hazards	IS 302-2-35 Clause 32
95	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Resistance to heat and fire	IS 302-2-35 Clause 30
96	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Resistance to rusting	IS 302-2-35 Clause 31
97	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Screws and connections	IS 302-2-35 Clause 28
98	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Stability and mechanical hazards	IS 302-2-35 Clause 20
99	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Supply connection and external flexible cords	IS 302-2-35 Clause 25
100	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Temperature rise/ Heating	IS 302-2-35 Clause 11
101	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Terminals for external conductors	IS 302-2-35 Clause 26
102	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Transient Overvoltage	IS 302-2-35 Clause 14
103	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Classification- Inspection & verification of Class w.r.t protection against electric shock	IS 366 Clause 7
104	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Leakage current and Electric strength at operating temperature	IS 302-2-3 Clause 13
105	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Marking and Instructions- Durability Test	IS 366 Clause 8
106	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Power Input and Current	IS 302-2-3 Clause 10

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107	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Protection against access to live parts/ Protection against electric shock	IS 302-2-3 Clause 8
108	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Transient Overvoltage	IS 302-2-3 Clause 14
109	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Abnormal operation	IS 302-2-3 Clause 19
110	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Clearances, Creepage distances and Solid Insulation	IS 302-2-3 Clause 29
111	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Coating Finish Test	IS 366 Clause 17
112	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Components- Verification test for operation and safety	IS 302-2-3 Clause 24
113	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Construction	IS 302-2-3 Clause 22
114	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Internal wiring	IS 302-2-3 Clause 23
115	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Leakage current and Electric strength	IS 302-2-3 Clause 16
116	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of cyclic fluctuation of temperature	IS 366 Clause 14
117	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of heating up time	IS 366 Clause 10
118	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of initial overswing temperature and heating-up excess temperature	IS 366 Clause 13
119	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of sole plate temperature	IS 366 Clause 11
120	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of thermostatic stability	IS 366 Clause 16
121	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Mechanical Strength	IS 302-2-3 Clause 21
122	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Moisture resistance	IS 302-2-3 Clause 15
123	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Provision for earthing	IS 302-2-3 Clause 27
124	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Radiation, toxicity and similar hazards	IS 302-2-3 Clause 32

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125	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Resistance to heat and fire	IS 302-2-3 Clause 30
126	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Resistance to rusting	IS 302-2-3 Clause 31
127	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Screws and connections	IS 302-2-3 Clause 28
128	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Stability and mechanical hazards	IS 302-2-3 Clause 20
129	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Supply connection and external flexible cords	IS 302-2-3 Clause 25
130	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Temperature rise / Heating	IS 302-2-3 Clause 11
131	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Terminals for external conductors	IS 302-2-3 Clause 26
132	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Abnormal operation	IS 302-2-15 Clause 19
133	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Classification- Inspection & verification of Class w.r.t protection against electric shock	IS 367 Clause 7
134	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Clearances, Creepage distances and Solid Insulation	IS 302-2-15 Clause 29
135	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Coating Finish Test	IS 367 Cl;ause 20
136	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Components-Verification test for operation and safety	IS 302-2-15 Clause 24
137	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Construction	IS 367 : 1993, IS 302-2-15 Clause 22
138	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Endurance	IS 367 Clause 19
139	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Internal wiring	IS 302-2-15 Clause 23
140	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Leakage current and Electric strength	IS 302-2-15 Clause 16
141	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Leakage current and Electric strength at operating temperature	IS 302-2-15 Clause 13
142	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Marking and Instructions-Durability Test	IS 367 Clause 8

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143	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Mass Measurement	IS 367 Clause 12
144	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Mechanical Strength	IS 302-2-15 Clause 21
145	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Minimum quantity of water that can be boiled	IS 367 Clause 16
146	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Moisture resistance	IS 302-2-15 Clause 15
147	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Overall Dimension	IS 367 Clause 11
148	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Power Input and Current	IS 302-2-15 Clause 10
149	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Protection against access to live parts/ Protection against electric shock	IS 302-2-15 Clause 8
150	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Provision for earthing	IS 302-2-15 Clause 27
151	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Radiation, toxicity and similar hazards	IS 302-2-15 Clause 32
152	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Resistance to heat and fire	IS 302-2-15 Clause 30
153	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Resistance to rusting	IS 302-2-15 Clause 31
154	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Screws and connections	IS 302-2-15 Clause 28
155	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Stability & Mechanical Hazards	IS 302-2-15 Clause 20
156	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Supply connection and external flexible cords	IS 302-2-15 Clause 25
157	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Temp. of supporting surface	IS 367 Clause 17
158	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Temperature rise/ Heating	IS 302-2-15 Clause 11
159	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Terminals for external conductors	IS 302-2-15 Clause 26
160	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Thermal Efficiency	IS 367 Clause 18

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161	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Time to boil one liter of water	IS 367 Clause 14
162	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Time to boil water capacity	IS 367 Clause 15
163	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Transient Overvoltage	IS 302-2-15 Clause 14
164	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Water Capacity	IS 367 Clause 13
165	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Abnormal operation	IS 302-2-9 Clause 19
166	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Classification- Inspection & verification of Class w.r.t protection against electric shock	IS 1287 Clause 7
167	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Clearances, Creepage distances and Solid Insulation	IS 302-2-9 Clause 29
168	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Coating Finish Test	IS 1287 Clause 23
169	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Components- -Verification test for operation and safety	IS 302-2-9 Clause 24
170	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Construction	IS 302-2-9 Clause 22
171	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Determination of Dimension of the toasting chambers, toasting surfaces and heating elements	IS 1287 Clause 14
172	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Force necessary to operate the bread carriage	IS 1287 Clause 15
173	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Functional Provisions- verification of functional operation	IS 1287 Clause 24
174	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Internal wiring	IS 302-2-9 Clause 23
175	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Leakage current and Electric strength	IS 302-2-9 Clause 16
176	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Leakage current and Electric strength at operating temperature	IS 302-2-9 Clause 13
177	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Length of flexible cord	IS 1287 Clause 12

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178	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Marking and Instructions- Durability Test	IS 1287 Clause 8
179	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Measurement of Mass of the appliances	Is 1287 Clause 13
180	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Mechanical Strength	IS 302-2-9 Clause 21
181	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Moisture resistance	IS 302-2-9 Clause 15
182	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Overall Dimension	IS 1287 Clause 11
183	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Power Input and Current	IS 302-2-9 Clause 10
184	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Preparation of bread for toaster- Toasting Test	IS 1287 Clause 16
185	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Protection against access to live parts/ Protection against electric shock	IS 302-2-9 Clause 8
186	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Provision for earthing	IS 302-2-9 Clause 27
187	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Radiation, toxicity and similar hazards	IS 302-2-9 Clause 32
188	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Resistance to heat and fire	IS 302-2-9 Clause 30
189	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Resistance to rusting	IS 302-2-9 Clause 31
190	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Screws and connections	IS 302-2-9 Clause 28
191	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Stability and mechanical hazards	IS 302-2-9 Clause 20
192	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Supply connection and external flexible cords	IS 302-2-9 Clause 25
193	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Temperature rise/ Heating	IS 302-2-9 Clause 11
194	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Terminals for external conductors	IS 302-2-9 Clause 26
195	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Toasting Time	IS 1287 Clause 19

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196	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Transient Overvoltage	IS 302-2-9 Clause 14
197	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Abnormal Operation	IS 302 (Part 1), clause 19
198	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Classification- Inspection and Verification of class w.r.t protection against electric shock	IS 302 (Part 1), Clause 6
199	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Clearances, Creepage distances and Solid Insulation	IS 302 (Part 1), clause 29
200	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Components - Verification test for operation and safety	IS 302 (Part 1), clause 24
201	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Construction	IS 302 (Part 1), clause 22
202	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Endurance	IS 302 (Part 1), clause 18
203	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Heating	IS 302 (Part 1), clause 11
204	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Internal Wiring	IS 302 (Part 1), clause 23
205	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Leakage current and Electric strength	IS 302 (Part 1), clause 16
206	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Leakage current and Electric strength at operating temperature	IS 302 (Part 1), clause 13
207	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Marking and Instructions- Durability Test	IS 302 (Part 1), Clause 7
208	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Mechanical Strength	IS 302 (Part 1), clause 21
209	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Moisture Resistance	IS 302 (Part 1), clause 15
210	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Overload protection of transformer and associated circuitry	IS 302 (Part 1), clause 17
211	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Power Input and Current	IS 302 (Part 1), clause 10
212	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Protection against access to live parts	IS 302 (Part 1), clause 8

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213	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Provision for earthing	IS 302 (Part 1), clause 27
214	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Radiation, toxicity and similar hazards	IS 302 (Part 1), clause 32
215	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Resistance to heat and fire	IS 302 (Part 1), clause 30
216	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Resistance to rusting	IS 302 (Part 1), clause 31
217	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Screws and connections	IS 302 (Part 1), clause 28
218	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Stability and mechanical hazards	IS 302 (Part 1), clause 20
219	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Supply connection and external flexible cords	IS 302 (Part 1), clause 26
220	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Terminals for external conductors	IS 302 (Part 1), clause 26
221	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and similar Electrical Appliances	Transient Over Voltages	IS 302 (Part 1), clause 14
222	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters	Dimensions, Mass and Means of Connection to the supply	IS 369 Clause 7
223	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters	Temperature rises of air outlet Grills and External Surfaces	IS 369 Clause 8
224	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters	Temperature rises of surfaces surrounding the heater	IS 369 Clause 9
225	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Abnormal operation	IS 302-2-30 Clause 19
226	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters	Classification- Inspection & verification of Class w.r.t protection against electric shock	IS 302-2-30 , Clause 7
227	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Clearances, Creepage distances and Solid Insulation	IS 302-2-30 Clause 29
228	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Components- Verification test for operation and safety	IS 302-2-30 Clause 24
229	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Construction	IS 302-2-30 Clause 22
230	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters	Effect of radiant heat	IS 369 clause 15

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231	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters	Inrush Current	IS 369 clause 14
232	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Internal wiring	IS 302-2-30 Clause 23
233	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Leakage current and Electric strength	IS 302-2-30 Clause 16
234	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Leakage current and Electric strength at operating temperature	IS 369 : 2019, IS 302-2-30 Clause 13
235	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Marking and Instructions-Durability Test	IS 369 : 2019, IS 302-2-30, Clause 8
236	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters	Marking- Durability Test	IS 369 clause 17
237	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters	Measurement of the usable power	IS 369 clause 16
238	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Mechanical Strength	IS 302-2-30 Clause 21
239	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Moisture resistance	IS 302-2-30 Clause 15
240	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Power Input and Current	IS 369 : 2019, IS 302-2-30 Clause 10
241	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Protection against access to live parts/ Protection against electric shock	IS 302-2-30 Clause 8
242	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Provision for earthing	IS 369 : 2019, IS 302-2-30 Clause 27
243	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Radiation, toxicity and similar hazards	IS 302-2-30 Clause 32
244	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Resistance to heat and fire	IS 302-2-30 Clause 30
245	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Resistance to rusting	IS 302-2-30 Clause 31
246	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Screws and connections	IS 302-2-30 Clause 28
247	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Stability and mechanical hazards	IS 302-2-30 Clause 20
248	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Supply connection and external flexible cords	IS 302-2-30 Clause 25

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249	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Temperature rise/ Heating	IS 302-2-30 Clause 11
250	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-acting Room Heaters	Terminals for external conductors	IS 302-2-30 Clause 26
251	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters	Transient Overvoltage	IS 302-2-30 Clause 14
252	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters	Warming up time of the Heater	IS 369 Clause 10
253	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Abnormal Operation	IS 302-2-209 Clause 19
254	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Classification- Inspection & verification of Class w.r.t protection against electric shock	IS 7603 : 1975, RA 2020, IS 302-2-209 Clause 6
255	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Clearances, Creepage distances and Solid Insulation	IS 302-2-209 Clause 29
256	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Coating Finish Test	IS 7603, RA 2020
257	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Components- Verification test for operation and safety	IS 302-2-209 Clause 24
258	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Construction	IS 302-2-209 Clause 22
259	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Electrical Insulation and Leakage Current at Operating Temperature	IS 302-2-209 Clause 13
260	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Endurance	IS 302-2-209 Clause 18
261	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Internal Wiring	IS 302-2-209 Clause 23
262	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Leakage Current and Electric Strength	IS 302-2-209 Clause 16
263	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Marking and Instructions- Durability Test	IS 302-2-209 Clause 7
264	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Mechanical Strength	IS 302-2-209 Clause 21
265	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Moisture Resistance	IS 302-2-209 Clause 15
266	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Performance and Operational Tests- Rated Input Test	IS 7603, RA 2020 Clause 9, 11

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267	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Power Input and Current	IS 302-2-209 Clause 10
268	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Protection against electric shock/Protection against to live parts	IS 302-2-209 Clause 8
269	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Provision for earthing	IS 302-2-209 Clause 27
270	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Radiation Hazards	IS 302-2-209 Clause 32
271	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Resistance to Heat, Fire and Tracking	IS 302-2-209 Clause 29
272	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Resistance to rusting	IS 302-2-209 Clause 31
273	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Screws and connections	IS 302-2-209 Clause 28
274	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Stability and Mechanical Hazards	IS 302-2-209 Clause 20
275	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Supply Connection and External Flexible cables and cords	IS 302-2-209 Clause 25
276	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Temperature Rise/ Heating	IS 302-2-209 Clause 11
277	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Terminals for external conductors	IS 302-2-209 Clause 26
278	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Thermal Cutouts	IS 7603 , RA 2020
279	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Low Speed Food Grinding Machines	Transient Over Voltages	IS 302-2-209 Clause 14
280	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cell	Electrical Connection	IS 9281 (Part III) clause 3
281	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cell	Humidity	IS 9281 (part III) clause 3
282	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cell	Side Load, Ultimate-Eccentricity Test at 20% of rated load	IS 9281 (Part III) Clause 3

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283	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Overload safe	IS 9281 (part III) Clause 3
284	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Accuracy	IS 9281 (part III) Clause 3
285	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Concentric angular loading error at 1° inclination	IS 9281 (part III) Clause 3
286	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Concentric angular loading error at 3° inclination	IS 9281 (part III) Clause 3
287	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Creep at rated load after 30 minutes	IS 9281 (part III) Clause 3
288	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Creep recovery after 10 minutes	IS 9281 (part III) Clause 3
289	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Dimension, weight	IS 9281 (part III) Clause 3
290	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Drift in no load output (zero drift) after 1 hr. of warm-up	IS 9281 (part III) Clause 3
291	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Eccentric loading error at 1 mm of eccentricity	IS 9281 (part III) Clause 3
292	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Eccentric loading error at 1 mm of eccentricity and 1° inclination	IS 9281 (part III) Clause 3
293	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Eccentric loading error at 1 mm of eccentricity and 3° inclination	IS 9281 (part III) Clause 3

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294	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Hysteresis	IS 9281 (part III) Clause 3
295	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Input resistance/impedance	IS 9281 (part III) Clause 3
296	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Input voltage/ current (max)	IS 9281 (part III) Clause 3
297	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Instability of RO after warm-up period of 1 hr.	IS 9281 (part III) Clause 3
298	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Insulation resistance	IS 9281 (part III) Clause 3
299	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Material verification of Load Cell	IS 9281 (part III) Clause 3
300	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Mode of Operation	IS 9281 (part III) Clause 3
301	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Mounting Details & outline drawing	IS 9281 (part III) Clause 3
302	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	No load output	IS 9281 (part III) Clause 3
303	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Non-linearity	IS 9281 (part III) Clause 3
304	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Non-repeatability of rated output	IS 9281 (part III) Clause 3

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305	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Non-repeatability of zero output	IS 9281 (part III) Clause 3
306	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Output resistance/ impedance	IS 9281 (part III) Clause 3
307	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Overload ultimate	IS 9281 (part III) clause 3
308	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Rated output voltage and Tolerance	IS 9281 (part III) Clause 3
309	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Side Load Error for 10 percent RL	IS 9281 (Part III) Clause 3
310	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Side Load, safe- Eccentricity Test at 10% of rated load	IS 9281 (Part III) Clause 3
311	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Surface finish/protection/type sealing	IS 9281 (part III) Clause 3
312	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Temperature effect on no load output	IS 9281 (part III) Clause 3
313	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Temperature effect on rated output	IS 9281 (part III) Clause 3
314	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Determination of Rated load	IS 9281 (part III) Clause 3
315	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Drift of full scale output with time after 1h	IS 9281 (part III) Clause 3

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316	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Drift of no load output with time after 1h	IS 9281 (part III) Clause 3
317	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Internal calibration	IS 9281 (part III) Clause 3
318	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Non linearity	IS 9281 (part III) Clause 3
319	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Response to full scale-Response Time test	IS 9281 (part III) Clause 3
320	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Tolerance on operating voltage	IS 9281 (part III) Clause 3
321	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Accuracy	IS 9281 (part III) Clause 3
322	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Dimensions	IS 9281 (part III) Clause 3
323	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Display-verification test	IS 9281 (part III) Clause 3
324	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Drift of no load output with temperature	IS 9281 (part III) Clause 3
325	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Environmental Condition-conditioning test	IS 9281 (part III) Clause 3
326	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Number of scale division-verification test	IS 9281 (part III) Clause 3

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327	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Operating Temperature	IS 9281 (part III) Clause 3
328	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Operating Voltage & frequency	IS 9281 (part III) Clause 3
329	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Overload indication	IS 9281 (part III) Clause 3
330	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Recording- verification test	IS 9281 (part III) Clause 3
331	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Resolution-verification test	IS 9281 (part III) Clause 3
332	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Speed of Measurement	IS 9281 (Part III) clause 3
333	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Tare provision-verification test	IS 9281 (part III) Clause 3
334	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Transducer Excitation and Distortion/regulation	IS 9281 (Part III) clause 3
335	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Warm up periods	IS 9281 (part III) Clause 3
336	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Weight	IS 9281 (part III) Clause 3
337	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	All Electronic and Electrical Equipment, Products and Components	Cold Test (Internal chamber size : 1500mm x 1500mm x 1500mm)	IS 9000 (Part 2) Sec 1 to 4 : 1977, MIL-STD-810G: 2008, QM 333 : 2010, JSS 55555

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338	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronic and Electrical Equipment, Products and Components	Damp Heat (Cyclic) Test (Internal Chamber size : 1500mm x 1500mm x 1500mm)	IS 9000 (Part 5) Sec 1 & 2 : 1981, MIL-STD-810 G : 2008, QM 333 : 2010, JSS 55555
339	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronic and Electrical Equipment, Products and Components	Damp Heat (Steady State) Test (Internal Chamber size : 1500mm x 1500mm x 1500mm)	IS 9000 (Part 4) : 2020, MIL-STD-810G: 2008, QM 333 : 2010, JSS 55555
340	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronic and Electrical Equipment, Products and Components	Degree of Protection Provided by Enclosures (IP Code)	IS / IEC 60529
341	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronic and Electrical Equipment, Products and Components	Degree of Protection Provided by Enclosures (IP Code)	IS / IEC 60529
342	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronic and Electrical Equipment, Products and Components	Dry Heat Test (Internal Chamber size : 1500mm x 1500mm x 1500mm)	IS 9000 (Part 3) Sec 1 to 5 : 1977, MIL-STD-810G : 2008, QM 333 : 2010, JSS 55555
343	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronic and Electrical Equipment, Products and Components	Shock Test	IS 9000 (Part 7) Sec 1
344	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronic and Electrical Equipment, Products and Components	Vibration Test	IS 9000 (Part 8) : 1981, MIL-STD-810 G : 2008, QM 333 : 2010, JSS 55555
345	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA (with Linear Load)	Marking And Instructions-Durability of Marking	IS 16242 (Part 1) Clause 4.7.16 : 2014, Withdrawn Standard IEC 62040-1
346	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA (with Linear Load)	Abnormal Operation and Fault Conditions	IS 16242 (Part 1) Clause 8.3.1/ 8.3.2 : 2014, Withdrawn Standard IEC 62040-1
347	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA (with Linear Load)	AC And DC Power Isolation	IS 16242 (Part 1) Clause 5.4 : 2014, Withdrawn Standard IEC 62040-1
348	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA (with Linear Load)	Clearance, Creepage Distances and Distance Through Insulation	IS 16242 (Part 1) Clause 5.7 (RD IEC 60950-1 Cl 2.10.2, 2.10.3,2.10.4,2.10.3.9, 2.10.4.2, 2.10.5.8, 2.10.8.4) : 2014, Withdrawn Standard IEC 62040-1
349	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA (with Linear Load)	Electric Strength	IS 16242 (Part 1) Clause 8.2 : 2014, Withdrawn Standard IEC 62040-1

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350	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA (with Linear Load)	Over Current And Earth Fault Protection	IS 16242 (Part 1) Clause 5.5 : 2014, Withdrawn Standard IEC 62040-1
351	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA (with Linear Load)	Protection Against Electric Shock And Energy Hazards	IS 16242 (Part 1) Clause 5.1.1, 5.1.2, 5.1.3, 5.1.4 : 2014, Withdrawn Standard IEC 62040-1
352	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA (with Linear Load)	Protection of Personnel - Safety Interlocks	IS 16242 (Part 1) Clause 5.6 : 2014, Withdrawn Standard IEC 62040-1
353	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA (with Linear Load)	Protective Earthing and Bonding	IS 16242 (Part 1) Clause 5.3 : 2014, Withdrawn Standard IEC 62040-1
354	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA (with Linear Load)	Requirement of Auxiliary Circuits	IS 16242 (Part 1) Clause 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5 : 2014, Withdrawn Standard IEC 62040-1
355	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating upto 10 kVA with Linear Load)	Power Interface	IS 16242 (Part 1) Clause 4.6 : 2014, Withdrawn Standard IEC 62040-1
356	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Battery Location	IS 16242 (Part 1) Clause 7.6.4, 7.6.7 : 2014, Withdrawn Standard IEC 62040-1
357	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Connection To Power	IS 16242 (Part 1) Clause 6.2 : 2014, Withdrawn Standard IEC 62040-1
358	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Connection To Telecommunication Networks	IS 16242 (Part 1) Clause 9 : 2014, Withdrawn Standard IEC 62040-1
359	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Constructions Details	IS 16242 (Part 1) Clause 7.4 : 2014, Withdrawn Standard IEC 62040-1
360	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Enclosure test	IS 16242 (Part 1) Clause 7.1 : 2014, Withdrawn Standard IEC 62040-1
361	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	General Provision For Earth Leakage	IS 16242 (Part 1) Clause 8.1 : 2014, Withdrawn Standard IEC 62040-1
362	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Mechanical Strength	IS 16242 (Part 1) Clause 7.3 : 2014, Withdrawn Standard IEC 62040-1

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363	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Resistance To Fire	IS 16242 (Part 1) Clause 7.5 : 2014, Withdrawn Standard IEC 62040-1
364	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Stability	IS 16242 (Part 1) Clause 7.2 : 2014, Withdrawn Standard IEC 62040-1
365	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Temperature Rise	IS 16242 (Part 1) Clause 7.7 : 2014, Withdrawn Standard IEC 62040-1
366	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Wiring Terminal For External Power Conductor	IS 16242 (Part 1) Clause 6.3 : 2014, Withdrawn Standard IEC 62040-1
367	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating upto 10 kVA (with Linear Load)	Wiring, Connections and Supply	IS 16242 (Part 1) Clause 6.1 : 2014, Withdrawn Standard IEC 62040-1
368	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/Invertors of Rating upto 10 kVA (With Linear Load)	Corrosion Resistance-Table of Electro chemical Potentials	IS 16242 (Part-1) Annexure J (RD IEC 60950-1) Clause 2.6.5.6 : 2014, Withdrawn Standard IEC 62040-1
369	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/Invertors of Rating upto 10kVA (with linear load)	Emergency Switching (Disconnect) Device	IS 16242 (Part 1) Clause 5.1.5 : 2014, Withdrawn Standard IEC 62040-1
370	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Disconnection from the Mains and withdrawal of main plug	IEC 60065 : 2014, IS 616 Clause 8.18, 9.1.6
371	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Non separable thin sheet material	IEC 60065 : 2014, IS 616 Clause 8.21

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372	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Determination of Hazardous Live Parts and Accessible parts	IEC 60065 : 2014, IS 616 Clause 9.1.1.2
373	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Dielectric strength	IEC 60065 : 2014, IS 616 Clause 10.4
374	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Drawers- Force Test	IEC 60065 : 2014, IS 616 Clause 12.4
375	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Drop Test	IEC 60065 : 2014, IS 616 Clause 12.7.3.4
376	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	External forces, windows covers, Internal forces	IEC 60065 : 2014, IS 616 Clause 8.13, 8.15

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377	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Fault conditions tests- Electric Shock Hazard	IEC 60065 : 2014, IS 616 Clause 11.1
378	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Fixing of actuating elements	IEC 60065 : 2014, IS 616 Clause 12.2
379	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Force Test	IEC 60065 : 2014, IS 616 Clause 12.7.4
380	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Heating	IEC 60065 : 2014, IS 616 Clause 11.2
381	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Heating under Normal Operating Conditions	IEC 60065 : 2014, IS 616 Clause 7.1

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382	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Humidity treatment	IEC 60065 : 2014, IS 616 Clause 10.3
383	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Impact Test	IEC 60065 : 2014, IS 616 Clause 12.7.3.5
384	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Insulation resistance	IEC 60065 : 2014, IS 616 Clause 10.4
385	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Ionizing Radiation	IEC 60065 : 2014, IS 616 Clause 6.1
386	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Marking and instructions-Durability Test	IEC 60065 : 2014, IS 616 Clause 5.0

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387	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical Strength -Drop test	IEC 60065 : 2014, IS 616 Clause 12.1.5
388	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical Strength –Impact test	IEC 60065 : 2014, IS 616 Clause 12.1.4
389	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical strength of glass-Fragmentation Test	IEC 60065 : 2014, IS 616 Clause 19.6.2
390	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical Strength –Stress Relief	IEC 60065 : 2014, IS 616 Clause 12.1.6
391	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical strength-Bump Test	IEC 60065 : 2014, IS 616 Clause 12.1.2

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392	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical Strength-Vibration Test	IEC 60065 : 2014, IS 616 Clause 12.1.3, 8.17 (b)
393	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Normal Operating Conditions - Input Power	IEC 60065 : 2014, IS 616 Clause 4.2
394	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Physical securement of Telescoping or rod antennas	IEC 60065 : 2014, IS 616 Clause 12.6.2
395	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Pink Noise	IEC 60065 : 2014, IS 616 Clause 4.1.6
396	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Protection against Electric shock-Accessibility	IEC 60065 : 2014, IS 616 Clause 9.1.1.3 , 9.2

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397	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Protection against Electric shock-Opening in Enclosures	IEC 60065 : 2014, IS 616 Clause 9.1.3
398	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Protection against splashing water	IEC 60065 : 2014, IS/IEC 60529 : 2001, IS 616 Annexure A
399	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Remote control devices held in hand - Drop Test	IEC 60065 : 2014, IS 616 Clause 12.3
400	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Resistance to external forces	IEC 60065 : 2014, IS 616 Clause 9.1.7
401	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Resistance to fire (Glow wire Test)	IEC 60065 : 2014, IS 616 Clause 20 Annex G

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402	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Resistance to fire (Needle Flame Test)	IEC 60065 : 2014, IS 616 Clause 20 Annex G
403	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Stability and mechanical hazards	IEC 60065 : 2014, IS 616 Clause 19.1, 19.2
404	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Strain Relief	IEC 60065 : 2014, IS 616 Clause 16.5
405	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Surge Test	IEC 60065 : 2014, IS 616 Clause 10.2
406	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Temperature Measurements	IEC 60065 : 2014, IS 616 Clause 4.1.4

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407	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Terminals - Provision for Protective Earthing	IEC 60065 : 2014, IS 616 Clause 15.2
408	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Torque on Screw Terminals	IEC 60065 : 2014, IS 616 Clause 17.1
409	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Torque Test on Covers	IEC 60065 : 2014, IS 616 Clause 17.7
410	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Transient voltages	IEC 60065 : 2014, IS 616 Clause 13.3.4, J.6
411	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Wall or ceiling mounting - Force Test	IEC 60065 : 2014, IS 616 Clause 19.7

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412	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Antenna coaxial sockets mounted on the apparatus	IEC 60065 : 2014, IS 616 Clause 12.5
413	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Apparatus Containing Coin / Button cell Batteries -Stress Relief Test	IEC 60065 : 2014, IS 616 Clause 12.7.3.2
414	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Batteries test- Stress Relief Test, Drop Test	IEC 60065 : 2014, IS 616 Clause 14.11
415	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Battery Replacement Tests	IEC 60065 : 2014, IS 616 Clause 12.7.3.3
416	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Clearances and Creepage distances	IEC 60065 : 2014, IS 616 Clause 13

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417	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Constructural requirements - Hygroscopic materials	IEC 60065 : 2014, IS 616 Clause 8.3
418	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Crush Test	IEC 60065 : 2014, IS 616 Clause 12.7.3.6
419	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Devices forming a part of the mains plug	IEC 60065 : 2014, IS 616 Clause 15.4
420	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video and Similar Electronic Appliances (Electronic Games (Video); Plasma/ LCD/ LED Television; Television other than plasma/LCD/LED TVs; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Video Camera; Wireless Microphone; Smart Speakers (with and Without Display); Webcam; Bluetooth Speakers; Wireless Headphone and Earphone; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Heat resistance of insulating material	IEC 60065 : 2014, IS 616 Clause 7.2
421	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Abnormal Operating and Fault Conditions	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 5.3

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422	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Abrasion Resistance Test	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.10.8.4
423	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Adhesive for constructional purposes	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.6.5
424	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Clearances, Creepage Distances and Distances Through Insulation	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.10.3 & 2.10.4

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425	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Components-Thermal Control, Transformer Interconnecting Cable	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause. 1.5.3, 1.5.4,1.5.5)
426	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Connection of TNV circuits to other circuits	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.3.4
427	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Connection to Cable Distribution Systems – Impulse Test	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 7.4.3

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428	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Connection to Cable Distribution Systems – Voltage Surge Test	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 7.4.2
429	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Connections To Mains Supply-Cord Anchorages and Strain Relief	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 3.2.6
430	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Connections To Mains Supply-cord guards	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 3.2.8

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431	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Design and Construction - Handles and manual controls- Force Test	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.3.2
432	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Determination of working voltage	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.10.2
433	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Direct plug-in equipment	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.3.6

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434	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Discharge of Capacitors	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.1.1.7
435	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Electrical Insulation	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.9.2
436	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Electrical Strength	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 5.2

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437	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Energy Hazards	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.1.1.5
438	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Ionizing Radiation	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.3.13.2
439	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Limited Current Circuits	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.4

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440	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Limited current circuits, limit values	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.4.2
441	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Limited Power Sources	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.5
442	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Marking And Instructions-Durability Test	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 1.7

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443	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Material Group and Comparative Tracking Index	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.10.4.2
444	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Measurement of transient levels	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.10.3.9
445	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Mechanical Strength – Drop Test	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015,Clause 4.2.6

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446	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Mechanical Strength – Stress Relief Test	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.2.7
447	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Mechanical Strength – Impact Test	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.2.5
448	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Mechanical Strength - Steady Force Test	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.2.2, 4.2.3, 4.2.4

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449	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Non separable thin sheet material-Annexure AA	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.10.5.8
450	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Openings In Enclosures	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.6.1, 4.6.3, 4.6.4, 4.6.5
451	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Over Currents and Earth Fault Protection In Primary Circuits	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.7

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452	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Power Interface- Input Current	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 1.6.2
453	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Protection Against Hazardous Moving Parts	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.4
454	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Protection against mechanical damage	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 3.2.7

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455	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Protection from Hazards in the Equipment	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 6.1
456	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Protection from Hazards- Access to energized parts	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.1.1.1
457	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Protection from Over Voltages	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 6.2.2.2

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458	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Protection from Overheating	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 6.3
459	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Provisions for Earthing and Bonding	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.6.3.4
460	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Resistance to abnormal heat	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.5.5

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461	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Resistance to Fire (Glow wire Test)	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.7
462	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Resistance to Fire (Needle Flame Test)	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.7
463	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	SELV Circuits	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.2

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464	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Stability	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.1
465	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Stability	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.1
466	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Stability of Operation Annexure K.6	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 5.3.8

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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
467	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Test for operating voltages generated externally	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.3.5
468	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Thermal Requirements	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.5
469	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	TNV Circuits	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 2.3

SCOPE OF ACCREDITATION

Laboratory Name :	NATIONAL RESEARCH AND TECHNOLOGY CONSORTIUM (C-ACT), DEPARTMENT OF INDUSTRIES COMPLEX, SECTOR-1, PARWANOO, SOLAN, HIMACHAL PRADESH, INDIA		
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Validity	01/04/2022 to 31/03/2024	**Last Amended on**	06/07/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
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471	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Wall or ceiling mounted equipment- Force Test	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 4.2.10
472	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; Set Top Box; Telephone Answering Machines; Automatic Data Processing Machine; Power Adaptors for IT Equipment; Mobile Phones; Cash Registers; Point of Sale Terminals; Copying Machine/ Duplicators; Smart Card Readers; Passport Reader; Mail Processing Machines/ Postage Machines/ Franking Machines; CCTV Cameras/CCTV Recorders; USB driven barcode readers, barcode scanners, Iris scanners; Optical fingerprint scanners; Smart Watches; Digital Camera; key board; Automatic Teller Cash Dispensing Machine; USB type External Hard Disk Drive; Standalone Switch Mode Power Supplies (SMPS); USB Type External Solid State Storage Devices; Power Banks for use in Portable Applications)	Wiring, Connections and Supply	IEC 60950-1: 2005 + A1: 2009 + A2: 2013, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015, Clause 3.1