



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		
Certificate Number	TC-5689	Page No	1 of 115
Validity	01/04/2019 to 31/03/2021	Last Amended on	25/09/2020

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, Reaffirmed year: 2014
2	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Classification	IS 302-2-6 : 2009, clause 6, Reaffirmed Year: 2014
3	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Clearances, Creepage distances and Solid Insulation	IS 302-2-6 : 2009, Clause 29, Reaffirmed Year: 2014
4	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Components	IS 302-2-6 : 2009, Clause 24, Reaffirmed Year: 2014
5	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Construction	IS 302-2-6 : 2009, Clause 22, Reaffirmed Year: 2014
6	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Internal wiring	IS 302-2-6 : 2009, Clause 23, Reaffirmed Year: 2014
7	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Leakage current and Electric strength	IS 302-2-6 : 2009, Clause 16, Reaffirmed Year: 2014
8	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Leakage current and Electric strength at operating temperature	IS 302-2-6 : 2009, Clause 13, Reaffirmed Year: 2014
9	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Marking and instructions	IS 302-2-6 : 2009, Clause 7, Reaffirmed Year: 2014
10	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Mechanical Strength	IS 302-2-6 : 2009, Clause 21, Reaffirmed Year: 2014



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11	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Moisture Resistance	IS 302-2-6 : 2009, Clause 15, Reaffirmed Year: 2014
12	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Power Input and Current	IS 302-2-6 : 2009, Clause 10, Reaffirmed Year: 2014
13	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Protection against access to live parts	IS 302-2-6 : 2009, Clause 8, Reaffirmed Year: 2014
14	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Provision for Earthing	IS 302-2-6 : 2009, Clause 27, Reaffirmed Year: 2014
15	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Radiation, toxicity and similar hazards	IS 302-2-6 : 2009, Clause 32, Reaffirmed year: 2014
16	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Resistance to heat and fire	IS 302-2-6 : 2009, Clause 30, Reaffirmed Year: 2014
17	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Resistance to rusting	IS 302-2-6 : 2009, Clause 31, Reaffirmed Year: 2014
18	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Screws and connections	IS 302-2-6 : 2009, Clause 28, Reaffirmed Year: 2014
19	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Stability & Mechanical Hazards	IS 302-2-6 : 2009, Clause 20, Reaffirmed Year: 2014
20	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Supply connection and external flexible cords	IS 302-2-6 : 2009, Clause 25, Reaffirmed Year: 2014



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21	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Temperature rise/ Heating	IS 302-2-6 : 2009, Clause 11, Reaffirmed Year: 2014
22	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Terminals for external conductors	IS 302-2-6 : 2009, Clause 26, Reaffirmed year: 2014
23	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Cooking Ranges, Hobs, Ovens	Transient Over voltage	IS 302-2-6 : 2009, Clause 14, Reaffirmed year: 2014
24	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Radiation, toxicity and similar hazards	IS 302-2-14 : 2009, IS 4250 Clause 32: 1980
25	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Resistance to heat and fire	IS 302-2-14 : 2009, IS 4250 Clause 30: 1980
26	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Supply connection and external flexible cords	IS 302-2-14 : 2009, IS 4250 Clause 25: 1980
27	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Abnormal operation	IS 302-2-14 : 2009, IS 4250 Clause 19: 1980



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28	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Classification	IS 302-2-14 2009, IS 4250 Clause 6: 1980
29	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Clearances, Creepage distances and Solid Insulation	IS 302-2-14 : 2009, IS 4250 Clause 29: 1980
30	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Components	IS 302-2-14 : 2009, IS 4250 Clause 24: 1980
31	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Construction	IS 302-2-14 : 2009, IS 4250 Clause 22: 1980
32	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Endurance	IS 4250 Clause 18: 1980
33	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Internal wiring	IS 302-2-14 : 2009, IS 4250 Clause 23: 1980



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34	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Leakage current & electric strength at operating temperature	IS 302-2-14 : 2009, IS 4250 Clause 13: 1980
35	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Leakage current and Electric strength	IS 4250 : 1980, IS 302-2-14 Clause 16: 2009
36	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Marking and Instructions	IS 302-2-14 : 2009, IS 4250 Clause 7: 1980
37	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Mechanical Strength	IS 302-2-14 : 2009, IS 4250 Clause 21: 1980
38	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Moisture resistance	IS 4250 : 1980, IS 302-2-14 Clause 15: 2009
39	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Operational Tests	IS 4250 Clause 34: 1980



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40	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Power Input and Current	IS 302-2-14 : 2009, IS 4250 Clause 10: 1980
41	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Protection against access to live parts/ Protection against electric shock	IS 302-2-14 : 2009, IS 4250 Clause 8: 1980
42	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Provision for earthing	IS 302-2-14 : 2009, IS 4250 Clause 27: 1980
43	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Resistance to rusting	IS 302-2-14 : 2009, IS 4250 Clause 31: 1980
44	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Screws and connections	IS 302-2-14 : 2009, IS 4250 Clause 28: 1980
45	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Stability and mechanical hazards	IS 302-2-14 : 2009, IS 4250 Clause 20: 1980



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46	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Strength of assembly	IS 4250 Clause 37: 1980
47	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Temperature rise/ Heating	IS 302-2-14 : 2009, IS 4250 Clause 11: 1980
48	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Temperature withstand test for bowl	IS 4250 Clause 35: 1980
49	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Terminals for external conductors	IS 302-2-14 : 2009, IS 4250 Clause 26: 1980
50	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Test for controls	IS 4250 Clause 36: 1980
51	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food Mixers (Liquidizers & Grinders), Electric Kitchen Machines	Transient Overvoltage	IS 4250 : 1980, IS 302-2-14 Clause 14: 2009



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52	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Abnormal operation	IS 302-2-201 : 2008, IS 368 Clause 19: 2014
53	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Classification	IS 302-2-201 : 2008, IS 368 Clause 6: 2014
54	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Clearances, Creepage distances and Solid Insulation	IS 302-2-201 : 2008, IS 368 Clause 29: 2014
55	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Components	IS 302-2-201 : 2008, IS 368 Clause 24: 2014
56	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Construction	IS 302-2-201 : 2008, IS 368 Clause 22: 2014
57	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Endurance	IS 302-2-201 : 2008, IS 368 Clause 18: 2014
58	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Internal wiring	IS 302-2-201 : 2008, IS 368 Clause 23: 2014
59	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Leakage current and Electric strength	IS 302-2-201 : 2008, IS 368 Clause 16: 2014
60	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Leakage current and Electric strength at operating temperature	IS 302-2-201 : 2008, IS 368 Clause 13: 2014
61	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Marking and Instructions	IS 302-2-201 : 2008, IS 368 Clause 7: 2014
62	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Mechanical Strength	IS 302-2-201 : 2008, IS 368 Clause 21: 2014
63	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Moisture Resistance	IS 302-2-201 : 2008, IS 368 Clause 15: 2014



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64	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Operation under overload conditions of Appliances with Heating Elements	IS 302-2-201 : 2008, IS 368 2014 clause 12: 2014
65	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Power Input and Current	IS 302-2-201 : 2008, IS 368 Clause 10: 2014
66	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Protection against access to live parts/ Protection against electric shock	IS 302-2-201 : 2008, IS 368 Clause 8: 2014
67	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Provision for earthing	IS 302-2-201 : 2008, IS 368 Clause 27: 2014
68	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Radiation, toxicity and similar hazards	IS 302-2-201 : 2008, IS 368 Clause 32: 2014
69	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Resistance to heat and fire	IS 302-2-201 : 2008, IS 368 Clause 30: 2014
70	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Resistance to rusting	IS 302-2-201 : 2008, IS 368 Clause 31: 2014
71	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Screws and connections	IS 302-2-201 : 2008, IS 368 Clause 28: 2014
72	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Stability and mechanical hazards	IS 302-2-201 : 2008, IS 368 clause 20: 2014
73	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Supply connection and external flexible cords	IS 302-2-201 : 2008, IS 368 Clause 25: 2014
74	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Temperature rise/ Heating	IS 302-2-201 : 2008, IS 368 Clause 11: 2014
75	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Terminals for external conductors	IS 302-2-201 : 2008, IS 368 Clause 26: 2014
76	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Transient Overvoltage	IS 302-2-201 : 2008, IS 368 Clause 14: 2014



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77	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Terminals for external conductors	IS 8978 : 1992, IS 302-2-35 Clause 26: 2011
78	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Abnormal operation	IS 8978 : 1992, IS 302-2-35 Clause 19: 2011
79	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Classification	IS 302-2-35 : 2011, IS 8978 Clause 7: 1992
80	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Clearances, Creepage distances and Solid Insulation	IS 8978 : 1992, IS 302-2-35 Clause 29: 2011
81	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Components	IS 8978 : 1992, IS 302-2-35 Clause 24: 2011
82	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Construction	IS 8978 : 1992, IS 302-2-35 Clause 22: 2011
83	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Endurance	IS 8978 Clause 12: 1992
84	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Finish	IS 8978 Clause 10: 1992
85	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Internal wiring	IS 8978 : 1992, IS 302-2-35 Clause 23: 2011
86	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Leakage current and Electric strength	IS 8978 : 1992, IS 302-2-35 Clause 16: 2011



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87	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Leakage current and Electric strength at operating temperature	IS 8978 : 1992, IS 302-2-35 Clause 13: 2011
88	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Marking and Instructions	IS 302-2-35 : 2011, IS 8978 Clause 7: 1992
89	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Mechanical Strength	IS 8978 : 1992, IS 302-2-35 Clause 21: 2011
90	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Moisture resistance	IS 8978 : 1992, IS 302-2-35 Clause 15: 2011
91	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Operation of Flow Switch	IS 8978 Clause 11: 1992
92	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Power Input and Current	IS 8978 : 1992, IS 302-2-35 Clause 10: 2011
93	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Protection against access to live parts/ Protection against electric shock	IS 8978 : 1992, IS 302-2-35 Clause 8: 2011
94	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Provision for earthing	IS 8978 : 1992, IS 302-2-35 Clause 27: 2011
95	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Radiation, toxicity and similar hazards	IS 8978 : 1992, IS 302-2-35 Clause 32: 2011
96	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Resistance to heat and fire	IS 8978 : 1992, IS 302-2-35 Clause 30: 2011



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97	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Resistance to rusting	IS 8978 : 1992, IS 302-2-35 Clause 31: 2011
98	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Screws and connections	IS 8978 : 1992, IS 302-2-35 Clause 28: 2011
99	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Stability and mechanical hazards	IS 8978 : 1992, IS 302-2-35 Clause 20: 2011
100	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Supply connection and external flexible cords	IS 8978 : 1992, IS 302-2-35 Clause 25: 2011
101	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Temperature rise/ Heating	IS 8978 : 1992, IS 302-2-35 Clause 11: 2011
102	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Transient Overvoltage	IS 8978 : 1992, IS 302-2-35 Clause 14: 2011
103	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Power Input and Current	IS 366 : 1991, IS 302-2-3 Clause 10: 2007
104	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Classification	IS 302-2-3 : 2007, IS 366 Clause 7: 1991
105	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Leakage current and Electric strength at operating temperature	IS 366 : 1991, IS 302-2-3 Clause 13: 2007
106	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Marking and Instructions	IS 302-2-3 : 2007, IS 366 Clause 8: 1991
107	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Protection against access to live parts/ Protection against electric shock	IS 366 : 1991, IS 302-2-3 Clause 8: 2007



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108	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron / Steam Iron	Transient Overvoltage	IS 366 : 1991, IS 302-2-3 Clause 14: 2007
109	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Radiation, toxicity and similar hazards	IS 366 : 1991, IS 302-2-3 Clause 32: 2007
110	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Resistance to rusting	IS 366 : 1991, IS 302-2-3 Clause 31: 2007
111	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Abnormal operation	IS 366 : 1991, IS 302-2-3 Clause 19: 2007
112	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Clearances, Creepage distances and Solid Insulation	IS 366 : 1991, IS 302-2-3 Clause 29: 2007
113	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Components	IS 366 : 1991, IS 302-2-3 Clause 24: 2007
114	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Construction	IS 366 : 1991, IS 302-2-3 Clause 22: 2007
115	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Finish	IS 366 Clause 17: 1991
116	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Internal wiring	IS 366 : 1991, IS 302-2-3 Clause 23: 2007
117	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Leakage current and Electric strength	IS 366 : 1991, IS 302-2-3 Clause 16: 2007
118	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of cyclic fluctuation of temperature	IS 366 Clause 14: 1991
119	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of heating up time	IS 366 Clause 10: 1991



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120	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of initial overswing temperature and heating-up excess temperature	IS 366 Clause 13: 1991
121	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of sole plate temperature	IS 366 Clause 11: 1991
122	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of temperature distribution	IS 366 Clause 12: 1991
123	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of temperature drop under load	IS 366 Clause 15: 1991
124	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Measurement of thermostatic stability	IS 366 Clause 16: 1991
125	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Mechanical Strength	IS 366 : 1991, IS 302-2-3 Clause 21: 2007
126	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Moisture resistance	IS 366 : 1991, IS 302-2-3 Clause 15: 2007
127	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Provision for earthing	IS 366 : 1991, IS 302-2-3 Clause 27: 2007
128	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Resistance to heat and fire	IS 366 : 1991, IS 302-2-3 Clause 30: 2007
129	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Screws and connections	IS 366 : 1991, IS 302-2-3 Clause 28: 2007
130	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Stability and mechanical hazards	IS 366 : 1991, IS 302-2-3 Clause 20: 2007
131	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Supply connection and external flexible cords	IS 366 : 1991, IS 302-2-3 Clause 25: 2007
132	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Temperature rise / Heating	IS 366 : 1991, IS 302-2-3 Clause 11: 2007



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133	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Iron/ Steam Iron	Terminals for external conductors	IS 366 : 1991, IS 302-2-3 Clause 26: 2007
134	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Abnormal operation	IS 367 : 1993, IS 302-2-15 Clause 19: 2009
135	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Classification	IS 302-2-15 : 2009, IS 367 Clause 7: 1993
136	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Clearances, Creepage distances and Solid Insulation	IS 367 : 1993, IS 302-2-15 Clause 29: 2009
137	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Components	IS 367 : 1993, IS 302-2-15 Clause 24: 2009
138	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Construction	IS 367 : 1993, IS 302-2-15 Clause 22: 2009
139	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Endurance	IS 367 Clause 19: 1993
140	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Finish	IS 367 Clause 20: 1993
141	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Internal wiring	IS 367 : 1993, IS 302-2-15 Clause 23: 2009
142	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Leakage current and Electric strength	IS 367 : 1993, IS 302-2-15 Clause 16: 2009



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143	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Leakage current and Electric strength at operating temperature	IS 367 : 1993, IS 302-2-15 Clause 13: 2009
144	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Marking and Instructions	IS 302-2-15 : 2009, IS 367 Clause 8: 1993
145	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Mass	IS 367 Clause 12: 1993
146	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Mechanical Strength	IS 367 : 1993, IS 302-2-15 Clause 21: 2009
147	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Minimum quantity of water that can be boiled	IS 302-2-15 : 2009, IS 367 Clause 16: 1993
148	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Moisture resistance	IS 367 : 1993, IS 302-2-15 Clause 15: 2009
149	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Overall Dimension	IS 367 Clause 11 : 1993
150	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Power Input and Current	IS 367 : 1993, IS 302-2-15 Clause 10: 2009
151	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Protection against access to live parts/ Protection against electric shock	IS 367 : 1993, IS 302-2-15 Clause 8: 2009
152	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Provision for earthing	IS 367 : 1993, IS 302-2-15 Clause 27: 2009



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153	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Radiation, toxicity and similar hazards	IS 367 : 1993, IS 302-2-15 Clause 32: 2009
154	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Resistance to heat and fire	IS 367 : 1993, IS 302-2-15 Clause 30: 2009
155	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Resistance to rusting	IS 367 : 1993, IS 302-2-15 Clause 31: 2009
156	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Screws and connections	IS 367 : 1993, IS 302-2-15 Clause 28: 2009
157	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Stability & Mechanical Hazards	IS 367 : 1993, IS 302-2-15 Clause 20: 2009
158	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Supply connection and external flexible cords	IS 367 : 1993, IS 302-2-15 Clause 25: 2009
159	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Temp. of supporting surface	IS 367 Clause 17: 1993
160	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Temperature rise/ Heating	IS 367 : 1993, IS 302-2-15 Clause 11: 2009
161	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Terminals for external conductors	IS 367 : 1993, IS 302-2-15 Clause 26: 2009
162	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Thermal Efficiency	IS 367 Clause 18: 1993



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163	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Time to boil one liter of water	IS 367 Clause 14: 1993
164	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Time to boil water capacity	IS 367 Clause 15: 1993
165	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Transient Overvoltage	IS 367 : 1993, IS 302-2-15 Clause 14: 2009
166	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kettle, Jugs and appliances for heating liquids	Water Capacity	IS 367 Clause 13: 1993
167	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Dimensions	IS 369 Clause 10: 1992
168	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Endurance test	IS 369 Clause 12: 1992
169	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Finish	IS 369 Clause 13: 1992
170	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Temperature rise of surface on which appliance is placed or supported	IS 369 Clause 11: 1992
171	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Transient Overvoltage	IS 369 : 1992, IS 302-2-30 Clause 14: 2007
172	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Abnormal operation	IS 369 : 1992, IS 302-2-30 Clause 19: 2007
173	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Classification	IS 302-2-30 2007, IS 369 Clause 7: 1992



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174	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Clearances, Creepage distances and Solid Insulation	IS 369 : 1992, IS 302-2-30 Clause 29: 2007
175	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Components	IS 369 : 1992, IS 302-2-30 Clause 24: 2007
176	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Construction	IS 369 : 1992, IS 302-2-30 Clause 22: 2007
177	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Internal wiring	IS 369 : 1992, IS 302-2-30 Clause 23: 2007
178	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Leakage current and Electric strength	S 369 : 1992, IS 302-2-30 Clause 16: 2007
179	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Leakage current and Electric strength at operating temperature	IS 369 : 1992, IS 302-2-30 Clause 13: 2007
180	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Marking and Instructions	IS 302-2-30 2007, IS 369 Clause 8: 1992
181	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Mechanical Strength	IS 369 : 1992, IS 302-2-30 Clause 21: 2007
182	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Moisture resistance	S 369 : 1992, IS 302-2-30 Clause 15: 2007
183	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Power Input and Current	IS 369 : 1992, IS 302-2-30 Clause 10: 2007
184	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Protection against access to live parts/ Protection against electric shock	IS 369 : 1992, IS 302-2-30 Clause 8: 2007



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185	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Provision for earthing	IS 369 : 1992, IS 302-2-30 Clause 27: 2007
186	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Radiation, toxicity and similar hazards	IS 369 : 1992, IS 302-2-30 Clause 32: 2007
187	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Resistance to heat and fire	IS 369 : 1992, IS 302-2-30 Clause 30: 2007
188	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Resistance to rusting	IS 369 : 1992, IS 302-2-30 Clause 31: 2007
189	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Screws and connections	IS 369 : 1992, IS 302-2-30 Clause 28: 2007
190	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Stability and mechanical hazards	IS 369 : 1992, IS 302-2-30 Clause 20: 2007
191	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Supply connection and external flexible cords	IS 369 : 1992, IS 302-2-30 Clause 25: 2007
192	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Temperature rise/ Heating	IS 369 : 1992, IS 302-2-30 Clause 11: 2007
193	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Radiator & Room Heater	Terminals for external conductors	IS 369 : 1992, IS 302-2-30 Clause 26: 2007



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194	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Construction	IS 1287 : 1993, IS 302-2-9 Clause 22: 2009
195	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Abnormal operation	IS 1287 : 1993, IS 302-2-9 Clause 19: 2009
196	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Classification	IS 302-2-9 : 2009, IS 1287 Clause 7 : 1993
197	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Clearances, Creepage distances and Solid Insulation	IS 1287 : 1993, IS 302-2-9 Clause 29: 2009
198	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Components	IS 1287 : 1993, IS 302-2-9 Clause 24: 2009
199	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Finish	IS 1287 Clause 23: 1993
200	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Force necessary to operate the bread carriage	IS 1287 Clause 15: 1993



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201	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Functional Provisions	IS 1287 Clause 24: 1993
202	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Internal wiring	IS 1287 : 1993, IS 302-2-9 Clause 23: 2009
203	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Leakage current and Electric strength	IS 1287 : 1993, IS 302-2-9 Clause 16: 2009
204	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Leakage current and Electric strength at operating temperature	IS 1287 : 1993, IS 302-2-9 Clause 13: 2009
205	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Length of flexible cord	IS 1287 Clause 12: 1993
206	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Marking and Instructions	IS 302-2-9 : 2009, IS 1287 Clause 8: 1993
207	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Mass of the appliances	Is 1287 Clause 13: 1993



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208	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Mechanical Strength	IS 1287 : 1993, IS 302-2-9 Clause 21: 2009
209	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Moisture resistance	IS 1287 : 1993, IS 302-2-9 Clause 15: 2009
210	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	No. and Dimension of the toasting chambers, toasting surfaces and heating elements	IS 1287 Clause 14: 1993
211	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Overall Dimension	IS 1287 Clause 11: 1993
212	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Power Input and Current	IS 1287 : 1993, IS 302-2-9 Clause 10: 2009
213	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Preparation of bread for toaster	IS 1287 Clause 16: 1993
214	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Protection against access to live parts/ Protection against electric shock	IS 1287 : 1993, IS 302-2-9 Clause 8: 2009



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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
215	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Provision for earthing	IS 1287 : 1993, IS 302-2-9 Clause 27: 2009
216	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Radiation, toxicity and similar hazards	IS 1287 : 1993, IS 302-2-9 Clause 32: 2009
217	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Resistance to heat and fire	IS 1287 : 1993, IS 302-2-9 Clause 30: 2009
218	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Resistance to rusting	IS 1287 : 1993, IS 302-2-9 Clause 31: 2009
219	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Screws and connections	IS 1287 : 1993, IS 302-2-9 Clause 28: 2009
220	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Stability and mechanical hazards	IS 1287 : 1993, IS 302-2-9 Clause 20: 2009
221	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Supply connection and external flexible cords	IS 1287 : 1993, IS 302-2-9 Clause 25: 2009



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222	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Temperature rise/ Heating	IS 1287 : 1993, IS 302-2-9 Clause 11: 2009
223	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Terminals for external conductors	IS 1287 : 1993, IS 302-2-9 Clause 26: 2009
224	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Toasting Time	IS 1287 Clause 19: 1993
225	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toasters, Electric Grills and Roasters & similar Appliances	Transient Overvoltage	IS 1287 : 1993, IS 302-2-9 Clause 14: 2009
226	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Overload safe	IS 9281 (part III) Clause 3: 1981
227	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Accuracy	IS 9281 (part III) Clause 3: 1981
228	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Casting Material	IS 9281 (part III) Clause 3: 1981



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229	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Concentric angular loading error at 1° inclination	IS 9281 (part III) Clause 3: 1981
230	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Concentric angular loading error at 3° inclination	IS 9281 (part III) Clause 3: 1981
231	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Creep at rated load after 30 minutes	IS 9281 (part III) Clause 3: 1981
232	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Creep recovery after 10 minutes	IS 9281 (part III) Clause 3: 1981
233	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Dimension, weight	IS 9281 (part III) Clause 3: 1981
234	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: 1981
235	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Eccentric loading error at 1 mm of eccentricity	IS 9281 (part III) Clause 3: 1981



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236	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: 1981
237	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: 1981
238	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Hysteresis	IS 9281 (part III) Clause 3: 1981
239	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Input resistance/impedance	IS 9281 (part III) Clause 3: 1981
240	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Input voltage/ current (max)	IS 9281 (part III) Clause 3: 1981
241	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Instability of RO after warm-up period of 1 hr.	IS 9281 (part III) Clause 3: 1981
242	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Insulation resistance	IS 9281 (part III) Clause 3: 1981



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243	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Manufacturer name & address	IS 9281 (part III) Clause 3: 1981
244	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Mode of Operation	IS 9281 (part III) Clause 3: 1981
245	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Mounting Details & outline drawing	IS 9281 (part III) Clause 3: 1981
246	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	No load output	IS 9281 (part III) Clause 3: 1981
247	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Non-linearity	IS 9281 (part III) Clause 3: 1981
248	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Non-repeatability of rated output	IS 9281 (part III) Clause 3: 1981
249	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Non-repeatability of zero output	IS 9281 (part III) Clause 3: 1981



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250	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Output resistance/ impedance	IS 9281 (part III) Clause 3: 1981
251	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Overload ultimate	IS 9281 (part III) clause 3: 1981
252	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Performance Requirements	IS 9281 (part III) Clause 3: 1981
253	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Rated output voltage and Tolerance	IS 9281 (part III) Clause 3: 1981
254	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Surface finish/protection/type sealing	IS 9281 (part III) Clause 3: 1981
255	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Temperature effect on no load output	IS 9281 (part III) Clause 3: 1981
256	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical Load Cells	Temperature effect on rated output	IS 9281 (part III) Clause 3: 1981



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257	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Drift of full scale output with time after 1h	IS 9281 (part III) Clause 3: 1981
258	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Drift of no load output with time after 1h	IS 9281 (part III) Clause 3: 1981
259	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Internal calibration	IS 9281 (part III) Clause 3: 1981
260	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Non linearity	IS 9281 (part III) Clause 3: 1981
261	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Rated load	IS 9281 (part III) Clause 3: 1981
262	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Response to full scale	IS 9281 (part III) Clause 3: 1981
263	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Tolerance on operating voltage	IS 9281 (part III) Clause 3: 1981



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264	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Accuracy	IS 9281 (part III) Clause 3: 1981
265	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Dimensions	IS 9281 (part III) Clause 3: 1981
266	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Display	IS 9281 (part III) Clause 3: 1981
267	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Drift of no load output with temperature	IS 9281 (part III) Clause 3: 1981
268	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Environmental Condition	IS 9281 (part III) Clause 3: 1981
269	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Number of scale division	IS 9281 (part III) Clause 3: 1981
270	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Operating Temperature	IS 9281 (part III) Clause 3: 1981



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271	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Operating Voltage & frequency	IS 9281 (part III) Clause 3: 1981
272	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Overload indication	IS 9281 (part III) Clause 3: 1981
273	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Recording	IS 9281 (part III) Clause 3: 1981
274	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Resolution	IS 9281 (part III) Clause 3: 1981
275	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Tare provision	IS 9281 (part III) Clause 3: 1981
276	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Warm up periods	IS 9281 (part III) Clause 3: 1981
277	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Weighing Systems	Weight	IS 9281 (part III) Clause 3: 1981
278	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	All Electrical Product Equipment and Sub assemblies	Cold Test	IS 9000 (Part 2) Sec 1 to 4 : 1977



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279	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Product Equipment and Sub assemblies	Damp Heat (Cyclic) Test	IS 9000 (Part 5) Sec 1 & 2: 1981
280	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Product Equipment and Sub assemblies	Damp Heat (Steady State) Test	IS 9000 (Part 4): 2008
281	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Product Equipment and Sub assemblies	Degree of Protection Provided by Enclosures (IP Code)	IS / IEC 60529: 2001
282	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Product Equipment and Sub assemblies	Degree of Protection Provided by Enclosures (IP Code)	IS / IEC 60529: 2001
283	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Product Equipment and Sub assemblies	Dry Heat Test	IS 9000 (Part 3) Sec 1 to 5: 1977
284	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Product Equipment and Sub assemblies	Shock Test	IS 9000 (Part 7) Sec 1: 2006
285	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Product Equipment and Sub assemblies	Vibration Test	IS 9000 (Part 8) : 1981
286	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronic Products/ Components	Cold Test	IS 9000 (Part 2) Sec 1 to 4 : 1977
287	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronic Products/ Components	Damp Heat (Cyclic) Test	IS 9000 (Part 5) Sec 1 & 2: 1981
288	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronic Products/ Components	Damp Heat (Steady State) Test	IS 9000 (Part 4) : 2008



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289	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	All Electronic Products/ Components	Degree of Protection Provided by Enclosures (IP Code)	IS / IEC 60529: 2001
290	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	All Electronic Products/ Components	Degree of Protection Provided by Enclosures (IP Code)	IS / IEC 60529: 2001
291	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	All Electronic Products/ Components	Dry Heat Test	IS 9000 (Part 3) Sec 1 to 5: 1977
292	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	All Electronic Products/ Components	Shock Test	IS 9000 (Part 7) Sec 1: 2006
293	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	All Electronic Products/ Components	Vibration Test	IS 9000 (Part 8) : 1981
294	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Marking And Instructions- Durability of Marking	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 4.7.16: 2014
295	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Abnormal Operation and Fault Conditions	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 8.3.1/ 8.3.2: 2014
296	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	AC And DC Power Isolation	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 5.4: 2014
297	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Clearance, Creepage Distances and Distance Through Insulation	IEC 62040-1 : 2008, 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



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298	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Electric Strength	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 8.2: 2014
299	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Over Current And Earth Fault Protection	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 5.5: 2014
300	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Protection Against Electric Shock And Energy Hazards	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 5.1.1, 5.1.2, 5.1.3, 5.1.4: 2014
301	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Protection of Personnel - Safety Interlocks	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 5.6: 2014
302	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Protective Earthing and Bonding	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 5.3: 2014
303	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Requirement of Auxiliary Circuits	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5: 2014
304	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA with Linear Load)	Power Interface	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 4.6: 2014
305	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Battery Location	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 7.6.4, 7.6.7: 2014
306	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Connection To Power	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 6.2: 2014



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307	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Connection To Telecommunication Networks	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 9: 2014
308	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Constructions Details	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 7.4: 2014
309	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Enclosure	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 7.1: 2014
310	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	General Provision For Earth Leakage	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 8.1: 2014
311	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Mechanical Strength	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 7.3: 2014
312	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Resistance To Fire	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 7.5: 2014
313	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Stability	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 7.2: 2014
314	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Temperature Rise	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 7.7: 2014
315	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Wiring Terminal For External Power Conductor	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 6.3: 2014
316	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Wiring, Connections and Supply	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 6.1: 2014



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317	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Heat resistance of insulating material	IEC 60065 : 2014, IS 616 Clause 7.2: 2017
318	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Protection against splashing water	IEC 60065 : 2014, IS/IEC 60529 : 2001, IS 616 Annexure A: 2017



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319	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Antenna coaxial sockets mounted on the apparatus	IEC 60065 : 2014, IS 616 Clause 12.5: 2017
320	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; 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: 2017



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321	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Batteries	IEC 60065 : 2014, IS 616 Clause 14.11: 2017
322	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Battery Replacement Tests	IEC 60065 : 2014, IS 616 Clause 12.7.3.3: 2017



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323	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Clearances and Creepage distances	IEC 60065 : 2014, IS 616 Clause 13: 2017
324	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Compliance	IEC 60065 : 2014, IS 616 Clause 12.7.4: 2017



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325	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Constructural requirements - Hygroscopic materials	IEC 60065 : 2014, IS 616 Clause 8.3: 2017
326	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Crush Test	IEC 60065 : 2014, IS 616 Clause 12.7.3.6: 2017



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327	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; 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: 2017
328	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; 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: 2017



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329	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Dielectric strength	IEC 60065 : 2014, IS 616 Clause 10.4: 2017
330	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; 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: 2017



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331	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Drawers	IEC 60065 : 2014, IS 616 Clause 12.4: 2017
332	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Drop Test	IEC 60065 : 2014, IS 616 Clause 12.7.3.4: 2017



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333	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; 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: 2017
334	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Fault conditions tests- Electric Shock Hazard	IEC 60065 : 2014, IS 616 Clause 11.1: 2017



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335	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Fixing of actuating elements	IEC 60065 : 2014, IS 616 Clause 12.2: 2017
336	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Heating	IEC 60065 : 2014, IS 616 Clause 11.2: 2017



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337	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Heating under Normal Operating Conditions	IEC 60065 : 2014, IS 616 Clause 7.1: 2017
338	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Humidity treatment	IEC 60065 : 2014, IS 616 Clause 10.3: 2017



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339	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Impact Test	IEC 60065 : 2014, IS 616 Clause 12.7.3.5: 2017
340	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Insulation resistance	IEC 60065 : 2014, IS 616 Clause 10.4: 2017



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341	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Ionizing Radiation	IEC 60065 : 2014, IS 616 Clause 6.1: 2017
342	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Marking and instructions	IEC 60065 : 2014, IS 616 Clause 5.0: 2017



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343	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical Strength - Drop test	IEC 60065 : 2014, IS 616 Clause 12.1.5: 2017
344	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical Strength -Impact test	IEC 60065 : 2014, IS 616 Clause 12.1.4: 2017



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345	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical strength of glass-Fragmentation Test	IEC 60065 : 2014, IS 616 Clause 19.6.2: 2017
346	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical Strength -Stress Relief	IEC 60065 : 2014, IS 616 Clause 12.1.6: 2017



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347	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Mechanical strength-Bump Test	IEC 60065 : 2014, IS 616 Clause 12.1.2: 2017
348	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; 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): 2017



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349	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Non separable thin sheet material	IEC 60065 : 2014, IS 616 Clause 8.21: 2017
350	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Normal Operating Conditions	IEC 60065 : 2014, IS 616 Clause 4.2: 2017



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351	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; 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: 2017
352	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Pink Noise	IEC 60065 : 2014, IS 616 Clause 4.1.6: 2017



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353	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; 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: 2017
354	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; 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: 2017



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355	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; 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: 2017
356	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Resistance to external forces	IEC 60065 : 2014, IS 616 Clause 9.1.7: 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
357	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Resistance to fire (Glow wire Test)	IEC 60065 : 2014, IS 616 Clause 20 Annex G: 2017
358	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Resistance to fire (Needle Flame Test)	IEC 60065 : 2014, IS 616 Clause 20 Annex G: 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
359	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Stability and mechanical hazards	IEC 60065 : 2014, IS 616 Clause 19.1, 19.2: 2017
360	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Strain Relief	IEC 60065 : 2014, IS 616 Clause 16.5: 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
361	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Surge Test	IEC 60065 : 2014, IS 616 Clause 10.2: 2017
362	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Temperature Measurements	IEC 60065 : 2014, IS 616 Clause 4.1.4: 2017



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363	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Terminals - Provision for Protective Earthing	IEC 60065 : 2014, IS 616 Clause 15.2: 2017
364	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Torque on Screw Terminals	IEC 60065 : 2014, IS 616 Clause 17.1: 2017



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365	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Torque Test on Covers	IEC 60065 : 2014, IS 616 Clause 17.7: 2017
366	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Transient voltages	IEC 60065 : 2014, IS 616 Clause 13.3.4, J.6: 2017



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367	ELECTRONICS- SAFETY TESTING FACILITY	Electronics Audio, Video and Similar Electronic Appliances & Components (Electronic Games (Video); Plasma/ LCD/ LED Television; Optical Disc Players with built in amplifier; Amplifiers; Electronic Musical Systems; Set Top Box; Power Adaptors for Audio, Video and Similar Electronic Apparatus)	Wall or ceiling mounting	IEC 60065 : 2014, IS 616 Clause 19.7: 2017



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368	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Components-Thermal Control, Transformer Interconnecting Cable	IEC 60950-1: 2005, IS 13252 (Part 1) Clause. 1.5.3, 1.5.4,1.5.5): 2010



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369	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Electrical Strength	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 5.2: 2010



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370	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Power Interface- Input Current	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 1.6.2: 2010



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371	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Protection from Hazards in the Equipment	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 6.1: 2010



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372	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Wall or ceiling mounted equipment	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.2.10: 2010



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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
373	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Abnormal Operating and Fault Conditions	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 5.3: 2010



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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
374	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Abrasion Resistance Test	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.10.8.4: 2010



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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
375	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Adhesive for constructional purposes	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.6.5: 2010



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376	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Clearances, Creepage Distances and Distances Through Insulation	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.10.3 & 2.10.4: 2010



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377	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Connection of TNV circuits to other circuits	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.3.4: 2010



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378	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Connection to Cable Distribution Systems - Impulse Test	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 7.4.3: 2010



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379	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Connection to Cable Distribution Systems - Voltage Surge Test	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 7.4.2: 2010



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380	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Connections To Mains Supply- Cord Anchorages and Strain Relief	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 3.2.6: 2010



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381	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Connections To Mains Supply- cord guards	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 3.2.8: 2010



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382	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Design and Construction - Handles and manual controls	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.3.2: 2010



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383	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Determination of working voltage	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.10.2: 2010



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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
384	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Direct plug-in equipment	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.3.6: 2010



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385	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Discharge of Capacitors	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.1.1.7: 2010



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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
386	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Electrical Insulation	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.9.2: 2010



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387	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Energy Hazards	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.1.1.5: 2010



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388	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Ionizing Radiation	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.3.13.2: 2010



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389	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Limited Current Circuits	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.4: 2010



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390	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Limited current circuits, limit values	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.4.2: 2010



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391	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Limited Power Sources	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.5: 2010



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392	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Marking And Instructions	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 1.7: 2010



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393	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Material Group and Comparative Tracking Index	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.10.4.2: 2010



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394	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Measurement of transient levels	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.10.3.9: 2010



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395	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Mechanical Strength - Drop Test	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.2.6: 2010



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396	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Mechanical Strength - Stress Relief Test	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.2.7: 2010



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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
397	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Mechanical Strength - Impact Test	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.2.5: 2010



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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
398	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Mechanical Strength - Steady Force Test	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.2.2, 4.2.3, 4.2.4: 2010



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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
399	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Non separable thin sheet material-Annexure AA	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.10.5.8: 2010



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400	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Openings In Enclosures	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.6.1, 4.6.3, 4.6.4, 4.6.5: 2010



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401	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Over Currents and Earth Fault Protection In Primary Circuits	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.7: 2010



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402	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Protection Against Hazardous Moving Parts	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.4: 2010



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403	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Protection against mechanical damage	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 3.2.7: 2010



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404	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Protection from Hazards- Access to energized parts	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.1.1.1: 2010



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406	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Protection from Overheating	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 6.3: 2010



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407	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Provisions for Earthing and Bonding	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.6.3.4: 2010



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408	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Resistance to abnormal heat	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.5.5: 2010



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409	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Resistance to Fire (Glow wire Test)	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.7: 2010



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410	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Resistance to Fire (Needle Flame Test)	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.7: 2010



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412	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Stability	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.1: 2010



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413	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Stability	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.1: 2010



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414	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Stability of Operation Annexure K.6	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 5.3.8: 2010



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415	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Test for operating voltages generated externally	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.3.5: 2010



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416	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Thermal Requirements	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 4.5: 2010



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417	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	TNV Circuits	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 2.3: 2010



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418	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Touch Current and Protective Conductor Current	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 5.1: 2010



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419	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment Including Electrical Business Equipment (Laptop/ Notebook/ Tablets; Visual Display Units; Video Monitors; Printers; Plotters; Scanners; Wireless Keyboards; 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; Power Banks for use in Portable Applications)	Wiring, Connections and Supply	IEC 60950-1: 2005, IS 13252 (Part 1) Clause 3.1: 2010



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Site Facility				
1	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Marking And Instructions- Durability of Marking	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 4.7.16: 2014
2	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	AC And DC Power Isolation	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 5.4: 2014
3	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Over Current And Earth Fault Protection	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 5.5: 2014
4	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Protection Against Electric Shock And Energy Hazards	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 5.1.1, 5.1.2, 5.1.3, 5.1.4: 2014
5	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA (with Linear Load)	Protective Earthing and Bonding	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 5.3: 2014
6	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Inverters of Rating = 5 kVA with Linear Load)	Power Interface	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 4.6: 2014
7	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	General Provision For Earth Leakage	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 8.1: 2014
8	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Temperature Rise	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 7.7: 2014
9	ELECTRONICS- POWER SUPPLIES & STABILIZERS	UPS/ Invertors of Rating = 5 kVA (with Linear Load)	Wiring, Connections and Supply	IEC 62040-1 : 2008, IS 16242 (Part 1) Clause 6.1: 2014