



Scope of Accreditation for Testing

As per ISO/IEC 17025:2017

CAB Name: Absolute Expertise Testing Laboratory LLP
Address: Plot No.1, KH. No. 23/1, 1st Floor Ambey Garden
Village Libaspur, Landmark - near Ashok Leyland,
New Delhi – 110042, Delhi
Certificate No.: T-0006

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Issue date: 22.04.2025
Validity : 21.04.2029
Amended date: 29.04.2025

Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
ELECTRICAL- LAMP, LUMINAIRES and ACCESSORIES					
1	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Classification	Qualitative	Cl. 6, IS 15885 (Part 2, Sec13)	Permanent
2	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Classification	Qualitative	Cl. 6, IEC 61347-2-13	Permanent
3	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Marking	Qualitative	Cl. 7, IS 15885 (Part 2, Sec13)	Permanent
4	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Marking	Qualitative	Cl. 7, IEC 61347- 2-13	Permanent
5	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Protection Against Accidental Contact With Live Parts	Qualitative	Cl. 8, IS 15885 (Part 2, Sec13)	Permanent
6	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Protection Against Accidental Contact With Live Parts	Qualitative	Cl. 8, IEC 61347- 2-13	Permanent
7	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Terminals	0.01 mm to 150 mm	Cl. 9, IS 15885 (Part 2, Sec13)	Permanent
8	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Terminals	0.01 mm to 150 mm	Cl. 9, IEC 61347- 2-13	Permanent
9	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Provisions for Protective Earthing	Qualitative	Cl. 10, IS 15885 (Part 2, Sec13)	Permanent
10	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Provisions for Protective Earthing	Qualitative	Cl. 10, IEC 61347-2- 13	Permanent
11	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Moisture Resistance and Insulation	Qualitative	Cl. 11, IS 15885 (Part 2, Sec13)	Permanent
12	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Moisture Resistance and Insulation	Qualitative	Cl. 11, IEC 61347-2- 13	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
13	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Electric Strength	Qualitative	Cl. 12, IS 15885 (Part 2, Sec13)	Permanent
14	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Electric Strength	Qualitative	Cl. 12, IEC 61347-2- 13	Permanent
15	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Fault Conditions	Qualitative	Cl. 14, IS 15885 (Part 2, Sec13)	Permanent
16	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Fault Conditions	Qualitative	Cl. 14, IEC 61347-2- 13	Permanent
17	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Transformer Heating	1 °C to 600 °C	Cl. 15, IS 15885 (Part 2, Sec13)	Permanent
18	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Transformer Heating	1 °C to 600 °C	Cl. 15, IEC 61347-2- 13	Permanent
19	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Construction	Qualitative	Cl. 16, IS 15885 (Part 2, Sec13)	Permanent
20	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Construction	Qualitative	Cl. 16, IEC 61347-2-13	Permanent
21	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Creepage Distances and Clearances	0.01 mm to 150 mm	Cl. 17, IS 15885 (Part 2, Sec13)	Permanent
22	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Creepage Distances and Clearances	0.01 mm to 150 mm	Cl. 17, IEC 61347-2- 13	Permanent
23	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Screws, CurrentCarrying Parts and Connection	Qualitative	Cl. 18, IS 15885 (Part 2, Sec13)	Permanent
24	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Screws, CurrentCarrying Parts and Connection	Qualitative	Cl. 18, IEC 61347-2- 13	Permanent
25	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Resistance to Heat, Fire and Tracking	0.01 mm to 10 mm	Cl. 19, IS 15885 (Part 2, Sec13)	Permanent
26	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Resistance to Heat, Fire and Tracking	0.01 mm to 10 mm	Cl. 19, IEC 61347-2- 13	Permanent

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International Quality And Accreditation Services Pvt. Ltd.
(Formerly International Quality And Accreditation Services LLP)
25/33, 2nd Floor, East Patel Nagar New Delhi, 110008

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
27	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Resistance to Corrosion	Qualitative	Cl. 20, IS 15885 (Part 2, Sec13)	Permanent
28	D.C or A.C. Supplied Electronic Control-Gear For Led Modules	Resistance to Corrosion	Qualitative	Cl. 20, IEC 61347-2- 13	Permanent
29	LED MODULES FOR GENERAL LIGHTING	CLASSIFICATION	Qualitative	Cl. 6, IS 16103 (Part 1)	Permanent
30	LED MODULES FOR GENERAL LIGHTING	MARKING	Qualitative	Cl. 7, IS 16103 (Part 1)	Permanent
31	LED MODULES FOR GENERAL LIGHTING	TERMINALS	0.01 mm to 150 mm	Cl. 8, IS 16103 (Part 1)	Permanent
32	LED MODULES FOR GENERAL LIGHTING	PROVISIONS FOR PROTECTIVE EARTHING	Qualitative	Cl. 9, IS 16103 (Part 1)	Permanent
33	LED MODULES FOR GENERAL LIGHTING	PROTECTION AGAINST ACCIDENTAL CONTACT WITH LIVE PARTS	Qualitative	Cl. 10, IS 16103 (Part 1)	Permanent
34	LED MODULES FOR GENERAL LIGHTING	MOISTURE RESISTANCE AND INSULATION	Qualitative	Cl. 11, IS 16103 (Part 1)	Permanent
35	LED MODULES FOR GENERAL LIGHTING	ELECTRIC STRENGTH	Qualitative	Cl. 12, IS 16103 (Part 1)	Permanent
36	LED MODULES FOR GENERAL LIGHTING	FAULT CONDITIONS	Qualitative	Cl. 13, IS 16103 (Part 1)	Permanent
37	LED MODULES FOR GENERAL LIGHTING	14 CONFORMITY TESTING DURING MANUFACTURE	Qualitative	Cl. 14, IS 16103 (Part 1)	Permanent
38	LED MODULES FOR GENERAL LIGHTING	15 CONSTRUCTION	Qualitative	Cl. 15, IS 16103 (Part 1)	Permanent
39	LED MODULES FOR GENERAL LIGHTING	CREEPAGE DISTANCES	0.01 mm to 150 mm	Cl. 16, IS 16103 (Part 1)	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
		AND CLEARANCES			
40	LED MODULES FOR GENERAL LIGHTING	SCREWS, CURRENT-CARRYING PARTS AND CONNECTIONS	Qualitative	Cl. 17, IS 16103 (Part 1)	Permanent
41	LED MODULES FOR GENERAL LIGHTING	RESISTANCE TO HEAT, FIRE AND TRACKING	0.01 mm to 10 mm	Cl. 18, IS 16103 (Part 1)	Permanent
42	LED MODULES FOR GENERAL LIGHTING	RESISTANCE TO CORROSION	Qualitative	Cl. 19, IS 16103 (Part 1)	Permanent
43	LED MODULES FOR GENERAL LIGHTING	INFORMATION TO LUMINAIRE DESIGN	Qualitative	Cl. 20, IS 16103 (Part 1)	Permanent
44	LED MODULES FOR GENERAL LIGHTING	HEAT MANAGEMENT	Qualitative	Cl. 21, IS 16103 (Part 1)	Permanent
45	Hand Lamps	Classification of Luminaries	Qualitative	Cl. 5, IS 10322 (Part 5/Sec 6)	Permanent
46	Hand Lamps	Classification of Luminaries	Qualitative	Cl. 8.5, IEC 60598-2-8	Permanent
47	Hand Lamps	Marking	Qualitative	Cl. 6, IS 10322 (Part 5/Sec 6)	Permanent
48	Hand Lamps	Marking	Qualitative	Cl. 8.6, IEC 60598-2-8	Permanent
49	Hand Lamps	Construction	Qualitative	Cl. 7, IS 10322 (Part 5/Sec 6)	Permanent
50	Hand Lamps	Construction	Qualitative	Cl. 8.7, IEC 60598-2-8	Permanent
51	Hand Lamps	Creepage Distance and Clearance	0.01 mm to 150 mm	Cl. 8, IS 10322 (Part 5/Sec 6)	Permanent
52	Hand Lamps	Creepage Distance and Clearance	0.01 mm to 150 mm	Cl. 8.8, IEC 60598-2-8	Permanent
53	Hand Lamps	Provision for Earthing	Qualitative	Cl. 9, IS 10322 (Part 5/Sec 6)	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
54	Hand Lamps	Provision for Earthing	Qualitative	Cl. 8.9, IEC 60598-2-8	Permanent
55	Hand Lamps	Terminals	Qualitative	Cl. 10, IS 10322 (Part 5/Sec 6)	Permanent
56	Hand Lamps	Terminals	Qualitative	Cl. 8.10, IEC 60598-2-8	Permanent
57	Hand Lamps	External And Internal Wiring	Qualitative	Cl. 11, IS 10322 (Part 5/Sec 6)	Permanent
58	Hand Lamps	External And Internal Wiring	Qualitative	Cl. 8.11, IEC 60598-2-8	Permanent
59	Hand Lamps	Protection Against Electric Shock	Qualitative	Cl. 12, IS 10322 (Part 5/Sec 6)	Permanent
60	Hand Lamps	Protection Against Electric Shock	Qualitative	Cl. 8.12, IEC 60598-2-8	Permanent
61	Hand Lamps	Endurance Test and Thermal Test	1 °C to 600 °C	Cl. 13, IS 10322 (Part 5/Sec 6)	Permanent
62	Hand Lamps	Endurance Test and Thermal Test	1 °C to 600 °C	Cl. 8.13, IEC 60598-2-8	Permanent
63	Hand Lamps	Resistance to dust and moisture	Qualitative	Cl. 14, IS 10322 (Part 5/Sec 6)	Permanent
64	Hand Lamps	Resistance to dust and moisture	Qualitative	Cl. 8.14, IEC 60598-2-8	Permanent
65	Hand Lamps	Insulation Resistance and Electric Strength	Qualitative	Cl. 15, IS 10322 (Part 5/Sec 6)	Permanent
66	Hand Lamps	Insulation Resistance and Electric Strength	Qualitative	Cl. 8.15, IEC 60598-2-8	Permanent
67	Hand Lamps	Resistance to Heat, Fire and Tracking	0.01 mm to 10 mm	Cl. 16, IS 10322 (Part 5/Sec 6)	Permanent
68	Hand Lamps	Resistance to Heat, Fire and Tracking	0.01 mm to 10 mm	Cl. 8.16, IEC 60598-2-8	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
69	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Classification of Luminaries	Qualitative	Cl. 5, IS 10322 (Part 5/Sec 1)	Permanent
70	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Marking	Qualitative	Cl. 6, IS 10322 (Part 5/Sec 1)	Permanent
71	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Construction	Qualitative	Cl. 7, IS 10322 (Part 5/Sec 1)	Permanent
72	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Creepage Distance and Clearance	0.01 mm to 150 mm	Cl. 8, IS 10322 (Part 5/Sec 1)	Permanent
73	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Provision for Earthing	Qualitative	Cl. 9, IS 10322 (Part 5/Sec 1)	Permanent
74	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Terminals	Qualitative	Cl. 10, IS 10322 (Part 5/Sec 1)	Permanent
75	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	External And Internal Wiring	Qualitative	Cl. 11, IS 10322 (Part 5/Sec 1)	Permanent
76	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Protection Against Electric Shock	Qualitative	Cl. 12, IS 10322 (Part 5/Sec 1)	Permanent
77	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Endurance Test and Thermal Test	1 °C to 600 °C	Cl. 13, IS 10322 (Part 5/Sec 1)	Permanent
78	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Resistance to dust and moisture	Qualitative	Cl. 14, IS 10322 (Part 5/Sec 1)	Permanent
79	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Insulation Resistance and Electric Strength	Qualitative	Cl. 15, IS 10322 (Part 5/Sec 1)	Permanent
80	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Resistance to Heat, Fire and Tracking	0.01 mm to 10 mm	Cl. 16, IS 10322 (Part 5/Sec 1)	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
81	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Classification of Luminaries	Qualitative	Cl. 1.4, IEC 60598-2-1	Permanent
82	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Marking	Qualitative	Cl. 1.5, IEC 60598-2-1	Permanent
83	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Construction	Qualitative	Cl. 1.6, IEC 60598-2-1	Permanent
84	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Creepage Distance and Clearance	0.01 mm to 150 mm	Cl. 1.7, IEC 60598-2-1	Permanent
85	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Provision for Earthing	Qualitative	Cl. 1.8, IEC 60598-2-1	Permanent
86	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Terminals	Qualitative	Cl. 1.9, IEC 60598-2-1	Permanent
87	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	External And Internal Wiring	Qualitative	Cl. 1.10, IEC 60598-2-1	Permanent
88	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Protection Against Electric Shock	Qualitative	Cl. 1.11, IEC 60598-2-1	Permanent
89	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Endurance Test and Thermal Test	1 °C to 600 °C	Cl. 1.12, IEC 60598-2-1	Permanent
90	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Resistance to dust and moisture	Qualitative	Cl. 1.13, IEC 60598-2-1	Permanent
91	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Insulation Resistance and Electric Strength	Qualitative	Cl. 1.14, IEC 60598-2-1	Permanent
92	Luminaries with tungsten filament, tubular fluorescent, LED, LED Modules and other discharge lamp	Resistance to Heat, Fire and Tracking	0.01 mm to 10 mm	Cl. 1.15, IEC 60598-2-1	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
93	Lighting Chain	Classification of Luminaries	Qualitative	Cl. 20.5, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
94	Lighting Chain	Marking	Qualitative	Cl. 20.6, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
95	Lighting Chain	Construction	Qualitative	Cl. 20.7, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
96	Lighting Chain	Creepage Distance and Clearance	0.01 mm to 150 mm	Cl. 20.8, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
97	Lighting Chain	Terminals	Qualitative	Cl. 20.10, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
98	Lighting Chain	External And Internal Wiring	Qualitative	Cl. 20.11, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
99	Lighting Chain	Protection Against Electric Shock	Qualitative	Cl. 20.12, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
100	Lighting Chain	Endurance Test and Thermal Test	1 °C to 600 °C	Cl. 20.13, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
101	Lighting Chain	Resistance to Dust, Solid Objects and Moisture	Qualitative	Cl. 20.14, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
102	Lighting Chain	Insulation Resistance and Electric Strength	Qualitative	Cl. 20.15, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
103	Lighting Chain	Resistance to Heat, Fire and Tracking	0.01 mm to 10 mm	Cl. 20.16, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
104	Lighting Chain	Test for Interconnecting Connector for use in Lighting chain	Qualitative	Annex A.16, IS 10322 (Part 5/Sec 7) IEC 60598- 2-20	Permanent
105	Rope Lights	Classification of Luminaries	Qualitative	Cl. 21.5, IS 10322 (Part 5/Sec 9) IEC 60598- 2-21	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
106	Rope Lights	Marking	Qualitative	Cl. 21.6, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
107	Rope Lights	Construction	Qualitative	Cl. 21.7, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
108	Rope Lights	Creepage Distance and Clearance	0.01 mm to 150 mm	Cl. 21.8, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
109	Rope Lights	Terminals	Qualitative	Cl. 21.10, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
110	Rope Lights	External And Internal Wiring	Qualitative	Cl. 21.11, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
111	Rope Lights	Protection Against Electric Shock	Qualitative	Cl. 21.12, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
112	Rope Lights	Endurance Test and Thermal Test	1 °C to 600 °C	Cl. 21.13, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
113	Rope Lights	Resistance to Dust, Solid Objects and Moisture	Qualitative	Cl. 21.14, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
114	Rope Lights	Insulation Resistance and Electric Strength	Qualitative	Cl. 21.15, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
115	Rope Lights	Resistance to Heat, Fire and Tracking	0.01 mm to 10 mm	Cl. 21.16, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
116	Rope Lights	Test for Interconnecting Connector for use in Lighting chain	Qualitative	Annex A.16, IS 10322 (Part5/Sec 9) IEC 60598- 2-21	Permanent
117	Self-Ballasted LED Lamps	Marking	Qualitative	Cl. 5, IS 16102 (Part 1)	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
118	Self-Ballasted LED Lamps	Marking	Qualitative	Cl. 5, IEC 62560	Permanent
119	Self-Ballasted LED Lamps	Interchangeability	Qualitative	Cl. 6, IS 16102 (Part 1)	Permanent
120	Self-Ballasted LED Lamps	Interchangeability	Qualitative	Cl. 6, IEC 62560	Permanent
121	Self-Ballasted LED Lamps	Protection Against Accidental Contacts with Live Parts	Qualitative	Cl. 7, IS 16102(Part 1)	Permanent
122	Self-Ballasted LED Lamps	Protection Against Accidental Contacts with Live Parts	Qualitative	Cl. 7, IEC 62560	Permanent
123	Self-Ballasted LED Lamps	Insulation Resistance and electric Strength	Qualitative	Cl. 8, IS 16102 (Part 1)	Permanent
124	Self-Ballasted LED Lamps	Insulation Resistance and electric Strength	Qualitative	Cl. 8, IEC 62560	Permanent
125	Self-Ballasted LED Lamps	Mechanical Strength	Qualitative	Cl. 9, IS 16102 (Part 1)	Permanent
126	Self-Ballasted LED Lamps	Mechanical Strength	Qualitative	Cl. 9, IEC 62560	Permanent
127	Self-Ballasted LED Lamps	CAP Temperature Rise	1 °C to 400 °C	Cl. 10, IS 16102 (Part 1)	Permanent
128	Self-Ballasted LED Lamps	CAP Temperature Rise	1 °C to 400 °C	Cl. 10, IEC 62560	Permanent
129	Self-Ballasted LED Lamps	Resistance to Heat	0.01 mm to 10 mm	Cl. 11, IS 16102 (Part 1)	Permanent
130	Self-Ballasted LED Lamps	Resistance to Heat	0.01 mm to 10 mm	Cl. 11, IEC 62560	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
131	Self-Ballasted LED Lamps	Resistance to Flame and Ignition	Qualitative	Cl. 12, IS 16102 (Part 1)	Permanent
132	Self-Ballasted LED Lamps	Resistance to Flame and Ignition	Qualitative	Cl 12, IEC 62560	Permanent
133	Self-Ballasted LED Lamps	Fault Condition	Qualitative	Cl. 13, IS 16102 (Part 1)	Permanent
134	Self-Ballasted LED Lamps	Fault Condition	Qualitative	Cl. 13, IS IEC 62560	Permanent
135	Self-Ballasted LED Lamps	Creepage Distances and Clearances	0.01 mm to 150 mm	Cl. 14, IS 16102 (Part 1)	Permanent
136	Self-Ballasted LED Lamps	Creepage Distances and Clearances	0.01 mm to 150 mm	Cl. 14, IEC 62560	Permanent
ELECTRONICS-AUDIO EQUIPMENT					
137	Audio, Video electronics appliances	Marking and Instructions	0.0001 A to 20 A	Cl. 5, IS 616IEC 60065	Permanent
138	Audio, Video electronics appliances	Heating Under Normal Operating Conditions	1 °C to 600 °C	Cl.7, IS 616IEC 60065	Permanent
139	Audio, Video electronics appliances	Constructional requirement with regard to the protection against electric shock	Qualitative	Cl.8, IS 616IEC 60065	Permanent
140	Audio, Video electronics appliances	Electrical Shock Hazard Under Normal Operating Conditions	0.2 µA to 400 mA	Cl.9, IS 616IEC 60065	Permanent
141	Audio, Video electronics appliances	Insulation Requirements	1 To 100 X 10 ⁶ MΩ	Cl.10, IS 616IEC 60065	Permanent
142	Audio, Video electronics appliances	Fault Conditions	1 °C to 600 °C	Cl.11, IS 616IEC 60065	Permanent
143	Audio, Video electronics appliances	Mechanical Strength	0.01 mm to 150 mm	Cl.12, IS 616IEC 60065	Permanent



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144	Audio, Video electronics appliances	Clearances and Creepage Distances	0.01 mm to 150 mm	Cl.13, IS 616IEC 60065	Permanent
145	Audio, Video electronics appliances	Terminals	0.01 mm to 10 mm	Cl.15, IS 616IEC 60065	Permanent
146	Audio, Video electronics appliances	External flexible cords	0.01 mm to 150 mm	Cl.16, IS 616IEC 60065	Permanent
147	Audio, Video electronics appliances	Electrical connections & mechanical fixing	0.01 mm to 150 mm	Cl.17, IS 616IEC 60065	Permanent
148	Audio, Video electronics appliances	Stability & mechanical Hazards	Qualitative	Cl.19, IS 616IEC 60065	Permanent
149	Audio, Video electronics appliances	Resistance to fire	0.01 mm to 10 mm	Cl.20, IS 616IEC 60065	Permanent
150	Audio, Video electronics appliances	Apparatus to be connected to TELECOMMUNICATION NETWORK	Qualitative	Annexure B, IS 616IEC 60065	Permanent

ELECTRONICS- EMI & EMC TESTING FACILITY

151	Electrical / Electronic Product	Harmonic Current Emission test	Qualitative	BS EN IEC 61000-3-2	Permanent
152	Electrical / Electronic Product	Harmonic Current Emission test	Qualitative	IEC 61000-3-2	Permanent
153	Electrical / Electronic Product	High Energy/ Telecom Surge Immunity	Qualitative	BS EN IEC 55014-2	Permanent
154	Electrical / Electronic Product	High Energy/ Telecom Surge Immunity	Qualitative	BS EN 61000-4-5	Permanent
155	Electrical / Electronic Product	Harmonic Current Emission test	Qualitative	IS 14700-3-2	Permanent
156	Electrical / Electronic Product	High Energy/ Telecom Surge Immunity	Qualitative	IS 14700: Part 4 Sec 5 (IEC 61000-4-5)	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
157	Electrical / Electronic Product	High Energy/ Telecom Surge Immunity	Qualitative	IEC 62052-11	Permanent
ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES					
158	Safety of household and similar electrical appliances	Marking And Instructions	Qualitative	(Cl. 7) IS 302-1	Permanent
159	Safety of household and similar electrical appliances	Marking And Instructions	Qualitative	(Cl. 7) IEC 60335-1	Permanent
160	Safety of household and similar electrical appliances	Protection against access to live parts	Qualitative	(Cl. 8) IS 302-1	Permanent
161	Safety of household and similar electrical appliances	Protection against access to live parts	Qualitative	(Cl. 8) IEC60335-1	Permanent
162	Safety of household and similar electrical appliances	Power Input and Current	0.001 W to 5000W	(Cl. 10) IS 302-1	Permanent
163	Safety of household and similar electrical appliances	Power Input and Current	0.001 W to 5000W	(Cl. 10) IEC 60335-1	Permanent
164	Safety of household and similar electrical appliances	Heating	Amb to 600°C	(Cl. 11) IS 302-1	Permanent
165	Safety of household and similar electrical appliances	Heating	Amb to 600°C	(Cl. 11) IEC 60335-1	Permanent
166	Safety of household and similar electrical appliances	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IS 302-1	Permanent
167	Safety of household and similar electrical appliances	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IEC 60335-1	Permanent
168	Safety of household and similar electrical appliances	Transient Overvoltages	Qualitative	(Cl. 14) IS 302-1	Permanent
169	Safety of household and similar electrical appliances	Transient Overvoltages	Qualitative	(Cl.14) IEC 60335-1	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
170	Safety of household and similar electrical appliances	Moisture Resistance	Qualitative	(Cl. 15) IS 302-1	Permanent
171	Safety of household and similar electrical appliances	Moisture Resistance	Qualitative	(Cl. 15) IEC 60335-1	Permanent
172	Safety of household and similar electrical appliances	Leakage current and electric Strength	0.2 μ A to 400 mA	(Cl. 16) IS 302-1	Permanent
173	Safety of household and similar electrical appliances	Leakage current and electric Strength	0.2 μ A to 400 mA	(Cl. 16) IEC 60335-1	Permanent
174	Safety of household and similar electrical appliances	Overload protection of transformers and associated circuits	Qualitative	(Cl.17) IS 302-1	Permanent
175	Safety of household and similar electrical appliances	Overload protection of transformers and associated circuits	Qualitative	(Cl.17) IEC 60335-1	Permanent
176	Safety of household and similar electrical appliances	Abnormal operation	Ta - 600°C	(Cl.19) IS 302-1	Permanent
177	Safety of household and similar electrical appliances	Abnormal Operation	Ta - 600°C	(Cl.19) IEC 60335-1	Permanent
178	Safety of household and similar electrical appliances	Stability and mechanical hazards	Qualitative	(Cl.20) IS 302-1	Permanent
179	Safety of household and similar electrical appliances	Stability and mechanical hazards	Qualitative	(Cl.20) IEC 60335-1	Permanent
180	Safety of household and similar electrical appliances	Mechanical strength	Qualitative	(Cl.21) IS 302-1	Permanent
181	Safety of household and similar electrical appliances	Mechanical strength	Qualitative	(Cl.21) IEC60335-1	Permanent
182	Safety of household and similar electrical appliances	Construction	Qualitative	(Cl.22) IS 302-1	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
183	Safety of household and similar electrical appliances	Construction	Qualitative	(Cl.22) IEC 60335-1	Permanent
184	Safety of household and similar electrical appliances	Internal wiring	Qualitative	(Cl.23) IS 302-1	Permanent
185	Safety of household and similar electrical appliances	Internal wiring	Qualitative	(Cl.23) IEC 60335-1	Permanent
186	Safety of household and similar electrical appliances	Components	Qualitative	(Cl.24) IS 302-1	Permanent
187	Safety of household and similar electrical appliances	Components	Qualitative	(Cl.24) IEC 60335-1	Permanent
188	Safety of household and similar electrical appliances	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IS 302-1	Permanent
189	Safety of household and similar electrical appliances	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IEC 60335-1	Permanent
190	Safety of household and similar electrical appliances	Terminals for external conductors	Qualitative	(Cl.26) IS 302-1	Permanent
191	Safety of household and similar electrical appliances	Terminals for external conductors	Qualitative	(Cl.26) IEC 60335-1	Permanent
192	Safety of household and similar electrical appliances	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl.27) IS 302-1	Permanent
193	Safety of household and similar electrical appliances	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl.27) IEC 60335-1	Permanent
194	Safety of household and similar electrical appliances	Screws and connections	Qualitative	(Cl.28) IS 302-1	Permanent
195	Safety of household and similar electrical appliances	Screws and connections	Qualitative	(Cl.28) IEC 60335-1	Permanent
196	Safety of household and similar electrical appliances	Clearance, creepage	0.01 mm to 150 mm	(Cl.29) IS 302-1	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
		distances and Solid insulation			
197	Safety of household and similar electrical appliances	Clearances, Creepage distances and solid insulations	0.01 mm to 150 mm	(Cl.29) IEC 60335-1	Permanent
198	Safety of household and similar electrical appliances	Resistance to heat and fire	0.001 mm to 10 mm	(Cl.30) IS 302-1	Permanent
199	Safety of household and similar electrical appliances	Resistance to heat and fire	0.001 mm to 10 mm	(Cl.30) IEC 60335-1	Permanent
200	Safety of household and similar electrical appliances	Resistance to rusting	Qualitative	(Cl.31) IS 302-1	Permanent
201	Safety of household and similar electrical appliances	Resistance to rusting	Qualitative	(Cl.31) IEC 60335-1	Permanent
202	Safety of household and similar electrical appliances	Radiation and Toxicity and Similar Hazards	Qualitative	(Cl.32) IS 302-1	Permanent
203	Safety of household and similar electrical appliances	Radiation and Toxicity and Similar Hazards	Qualitative	(Cl.32) IEC 60335-1	Permanent
204	Safety of household and similar electrical appliances -Fan	Marking And Instructions	Qualitative	(Cl. 7) IS 302-2-80 IEC 60335-2-80	Permanent
205	Safety of household and similar electrical appliances -Fan	Protection against access to live parts	Qualitative	(Cl. 8) IS 302-2-80 IEC 60335-2-80	Permanent
206	Safety of household and similar electrical appliances -Fan	Power Input and Current	0.001 W to 5000W	(Cl. 10) IS 302-2-80 IEC 60335-2-80	Permanent
207	Safety of household and similar electrical appliances -Fan	Heating	Ta - 600°C	(Cl. 11) IS 302-2-80 IEC 60335-2-80	Permanent
208	Safety of household and similar electrical appliances -Fan	Leakage current and electric Strength at operating temperature	0.2 µA. to 400 mA	(Cl. 13) IS 302-2-80 IEC 60335-2-80	Permanent
209	Safety of household and similar electrical appliances -Fan	Transient Overvoltages	Qualitative	(Cl. 14) IS 302-2-80 IEC 60335-2-80	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
210	Safety of household and similar electrical appliances -Fan	Moisture Resistance	Qualitative	(Cl. 15) IS 302-2-80 IEC 60335-2-80	Permanent
211	Safety of household and similar electrical appliances -Fan	Leakage current and electric Strength	0.2 μ A to 400 mA	(Cl. 16) IS 302-2-80 IEC 60335-2-80	Permanent
212	Safety of household and similar electrical appliances -Fan	Overload protection of transformers and associated circuits	Qualitative	(Cl.17) IS 302-2-80 IEC 60335-2-80	Permanent
213	Safety of household and similar electrical appliances -Fan	Endurance	Qualitative	(Cl.18) IS 302-2-80 IEC 60335-2-80	Permanent
214	Safety of household and similar electrical appliances -Fan	Abnormal operation	Qualitative	(Cl.19) IS 302-2-80 IEC 60335-2-80	Permanent
215	Safety of household and similar electrical appliances -Fan	Stability and mechanical hazards	Qualitative	(Cl.20) IS 302-2-80 IEC 60335-2-80	Permanent
216	Safety of household and similar electrical appliances -Fan	Mechanical strength	Qualitative	(Cl.21) IS 302-2-80 IEC 60335-2-80	Permanent
217	Safety of household and similar electrical appliances -Fan	Construction	Qualitative	(Cl.22) IS 302-2-80 IEC 60335-2-80	Permanent
218	Safety of household and similar electrical appliances -Fan	Internal wiring	Qualitative	(Cl.23) IS 302-2-80 IEC 60335-2-80	Permanent
219	Safety of household and similar electrical appliances -Fan	Components	0.01 mm to 150mm	(Cl.24) IS 302-2-80 IEC 60335-2-80	Permanent
220	Safety of household and similar electrical appliances -Fan	Supply connection & external flexible cords	Qualitative	(Cl.25) IS 302-2-80 IEC 60335-2-80	Permanent
221	Safety of household and similar electrical appliances -Fan	Terminals for external conductors	Qualitative :(0.01-12V), (0.01A-50A)	(Cl.26) IS 302-2-80 IEC 60335-2-80	Permanent
222	Safety of household and similar electrical appliances -Fan	Provision for earthing	Qualitative	(Cl.27) IS 302-2-80 IEC 60335-2-80	Permanent
223	Safety of household and similar electrical appliances -Fan	Screws and connections	0.01 mm to 150 mm	(Cl.28) IS 302-2-80 IEC 60335-2-80	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
224	Safety of household and similar electrical appliances -Fan	Clearance, creepage distances and Solid insulation	0.001 mm to 10 mm	(Cl.29) IS 302-2-80 IEC 60335-2-80	Permanent
225	Safety of household and similar electrical appliances -Fan	Resistance to heat and fire	Qualitative	(Cl.30) IS 302-2-80 IEC 60335-2-80	Permanent
226	Safety of household and similar electrical appliances -Fan	Resistance to rusting	Qualitative	(Cl.31) IS 302-2-80 IEC 60335-2-80	Permanent
227	Safety of household and similar electrical appliances -Fan	Radiation and Toxicity and Similar Hazards	Qualitative	(Cl.32) IS 302-2-80 IEC 60335-2-80	Permanent
228	Electric Ceiling Type-Fans	Rating	Qualitative (Visual Examination)	Cl. 6 of IS: 374	Permanent
229	Electric Ceiling Type-Fans	Classification	Qualitative (Visual Examination)	Cl. 7 of IS: 374	Permanent
230	Electric Ceiling Type-Fans	Marking	Qualitative	Cl. 8 of IS: 374	Permanent
231	Electric Ceiling Type-Fans	Safety requirement	Qualitative	Cl. 9 of IS: 374	Permanent
232	Electric Ceiling Type-Fans	Speed regulators	Qualitative	Cl. 10 of IS: 374	Permanent
233	Electric Ceiling Type-Fans	Starting	Qualitative	Cl. 11 of IS: 374	Permanent
234	Electric Ceiling Type-Fans	Interchangeability	Qualitative (Visual Examination)	Cl. 12 of IS: 374	Permanent
235	Electric Ceiling Type-Fans	Silent Operation	Qualitative (Visual Examination)	Cl. 13 of IS: 374	Permanent
236	Electric Ceiling Type-Fans	General condition of test method of measurement of performance requirement	0.001 W to 5000W	Cl. 14 of IS: 374	Permanent
237	Electric Ceiling Type-Fans	Performance requirements	0.4-45m/s	Cl. 15 of IS: 374	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
238	Electric Ceiling Type-Fans	Endurance	Qualitative	Cl. 16 of IS: 374	Permanent
239	Electric Ceiling Type-Fans	Test for harmonic distortion	0.001 W to 5000W	Cl.17 of IS: 374	Permanent
240	Safety of household and similar electrical appliances	Marking And Instructions	Qualitative	(Cl. 7) IS 302-1 IEC 60335-1	Permanent
241	Safety of household and similar electrical appliances	Protection against access to live parts	Qualitative	(Cl. 8) IS 302-1 IEC 60335-1	Permanent
242	Safety of household and similar electrical appliances	Power Input and Current	0.001 W to 5000W	(Cl. 10) IS 302-1 IEC 60335-1	Permanent
243	Safety of household and similar electrical appliances	Heating	Ta - 600°C	(Cl. 11) IS 302-1 IEC 60335-1	Permanent
244	Safety of household and similar electrical appliances	Charging of metal ion batteries	Qualitative	(Cl. 12) IS 302-1 IEC 60335-1	Permanent
245	Safety of household and similar electrical appliances	Leakage current and electric Strength at operating temperature	0.2 μ A. to 400 mA	(Cl. 13) IS 302-1 IEC 60335-1	Permanent
246	Safety of household and similar electrical appliances	Transient Overvoltages	Qualitative	(Cl. 14) IS 302-1 IEC 60335-1	Permanent
247	Safety of household and similar electrical appliances	Moisture Resistance	Qualitative	(Cl. 15) IS 302-1 IEC 60335-1	Permanent
248	Safety of household and similar electrical appliances	Leakage current and electric Strength	0.2 μ A to 400 mA	(Cl. 16) IS 302-1 IEC 60335-1	Permanent
249	Safety of household and similar electrical appliances	Overload protection of transformers and associated circuits	Qualitative	(Cl.17) IS 302-1 IEC 60335-1	Permanent
250	Safety of household and similar electrical appliances	Abnormal operation	Ta - 600°C	(Cl.19) IS 302-1 IEC 60335-1	Permanent
251	Safety of household and similar electrical appliances	Stability and mechanical hazards	Qualitative	(Cl.20) IS 302-1 IEC 60335-1	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
252	Safety of household and similar electrical appliances	Mechanical strength	Qualitative	(Cl.21) IS 302-1 IEC 60335-1	Permanent
253	Safety of household and similar electrical appliances	Construction	Qualitative	(Cl.22) IS 302-1 IEC 60335-1	Permanent
254	Safety of household and similar electrical appliances	Internal wiring	Qualitative	(Cl.23) IS 302-1 IEC 60335-1	Permanent
255	Safety of household and similar electrical appliances	Components	Qualitative	(Cl.24) IS 302-1 IEC 60335-1	Permanent
256	Safety of household and similar electrical appliances	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IS 302-1 IEC 60335-1	Permanent
257	Safety of household and similar electrical appliances	Terminals for external conductors	Qualitative	(Cl.26) IS 302-1 IEC 60335-1	Permanent
258	Safety of household and similar electrical appliances	Provision for earthing	Qualitative :(0.01-12V), (0.01A-50A)	(Cl.27) IS 302-1 IEC 60335-1	Permanent
259	Safety of household and similar electrical appliances	Screws and connections	Qualitative	(Cl.28) IS 302-1 IEC 60335-1	Permanent
260	Safety of household and similar electrical appliances	Clearance, creepage distances and Solid insulation	0.01 mm to 150 mm	(Cl.29) IS 302-1 IEC 60335-1	Permanent
261	Safety of household and similar electrical appliances	Resistance to heat and fire	0.001 mm to 10 mm	(Cl.30) IS 302-1 IEC 60335-1	Permanent
262	Safety of household and similar electrical appliances	Resistance to rusting	Qualitative	(Cl.31) IS 302-1 IEC 60335-1	Permanent
263	Safety of household and similar electrical appliances	Radiation and Toxicity and Similar Hazards	Qualitative	(Cl.32) IS 302-1 IEC 60335-1	Permanent
264	Cooking ranges, hobs, ovens and similar appliances	Marking And Instructions	Qualitative	(Cl. 7) IS 302-2-6	Permanent
265	Cooking ranges, hobs, ovens and similar appliances	Marking And Instructions	Qualitative	(Cl. 7) IEC60335-2- 6	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
266	Cooking ranges, hobs, ovens and similar appliances	Protection against access to live parts	Qualitative	(Cl. 8) IS 302-2-6	Permanent
267	Cooking ranges, hobs, ovens and similar appliances	Protection against access to live parts	Qualitative	(Cl. 8) IEC60335-2- 6	Permanent
268	Cooking ranges, hobs, ovens and similar appliances	Power Input and Current	0.01 W to 6000 W	(Cl. 10) IS 302-2-6	Permanent
269	Cooking ranges, hobs, ovens and similar appliances	Power Input and Current	0.01 W to 6000 W	(Cl. 10) IEC60335-2- 6	Permanent
270	Cooking ranges, hobs, ovens and similar appliances	Heating	Others : (ta- 600°C)	(Cl. 11) IS 302-2-6	Permanent
271	Cooking ranges, hobs, ovens and similar appliances	Heating	Others : (ta- 600°C)	(Cl. 11) IEC60335-2- 6	Permanent
272	Cooking ranges, hobs, ovens and similar appliances	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IS 302-2-6	Permanent
273	Cooking ranges, hobs, ovens and similar appliances	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IEC60335-2- 6	Permanent
274	Cooking ranges, hobs, ovens and similar appliances	Transient Over voltages	Qualitative	(Cl. 14) IS 302-2-6	Permanent
275	Cooking ranges, hobs, ovens and similar appliances	Transient Over voltages	Qualitative	(Cl. 14) IEC60335-2- 6	Permanent
276	Cooking ranges, hobs, ovens and similar appliances	Moisture Resistance	Qualitative	(Cl. 15) IS 302-2-6	Permanent
277	Cooking ranges, hobs, ovens and similar appliances	Moisture Resistance	Qualitative	(Cl. 15) IS 302-2-6	Permanent
278	Cooking ranges, hobs, ovens and similar appliances	Leakage current and electric Strength	0.2 μ A to 400 mA	(Cl. 16) IS 302-2-6	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
279	Cooking ranges, hobs, ovens and similar appliances	Leakage current and electric Strength	0.2 μ A to 400 mA	(Cl. 16) IEC60335-2- 6	Permanent
280	Cooking ranges, hobs, ovens and similar appliances	Overload protection of Transformers and associated circuits	Qualitative	(Cl.17) IS 302-2-6	Permanent
281	Cooking ranges, hobs, ovens and similar appliances	Overload protection of Transformers and associated circuits	Qualitative	(Cl.17) IEC60335-2- 6	Permanent
282	Cooking ranges, hobs, ovens and similar appliances	abnormal operation	Others : (ta-600°C)	(Cl.19) IS 302-2-6	Permanent
283	Cooking ranges, hobs, ovens and similar appliances	abnormal operation	Others : (ta-600°C)	(Cl.19) IEC60335-2- 6	Permanent
284	Cooking ranges, hobs, ovens and similar appliances	Stability and mechanical hazards	Qualitative	(Cl.20) IS 302-2-6	Permanent
285	Cooking ranges, hobs, ovens and similar appliances	Stability and mechanical hazards	Qualitative	(Cl.20) IEC60335-2- 6	Permanent
286	Cooking ranges, hobs, ovens and similar appliances	Mechanical strength	Qualitative	(Cl.21) IS 302-2-6	Permanent
287	Cooking ranges, hobs, ovens and similar appliances	Mechanical strength	Qualitative	(Cl.21) IS 302-2-6	Permanent
288	Cooking ranges, hobs, ovens and similar appliances	Construction	Qualitative	(Cl.22) IS 302-2-6	Permanent
289	Cooking ranges, hobs, ovens and similar appliances	Construction	Qualitative	(Cl.22) IEC60335-2- 6	Permanent
290	Cooking ranges, hobs, ovens and similar appliances	Internal wiring	Qualitative	(Cl.23) IS 302-2-6	Permanent
291	Cooking ranges, hobs, ovens and similar appliances	Internal wiring	Qualitative	(Cl.23) IEC60335-2- 6	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
292	Cooking ranges, hobs, ovens and similar appliances	Components	Qualitative	(Cl.24) IS 302-2-6	Permanent
293	Cooking ranges, hobs, ovens and similar appliances	Components	Qualitative	(Cl.24) IEC60335-2- 6	Permanent
294	Cooking ranges, hobs, ovens and similar appliances	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IEC60335-2- 6	Permanent
295	Cooking ranges, hobs, ovens and similar appliances	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IEC60335-2- 6	Permanent
296	Cooking ranges, hobs, ovens and similar appliances	Terminals for external conductors	Qualitative	(Cl.26) IS 302-2-6	Permanent
297	Cooking ranges, hobs, ovens and similar appliances	Terminals for external conductors	Qualitative	(Cl.26) IEC60335-2- 6	Permanent
298	Cooking ranges, hobs, ovens and similar appliances	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl.27) IS 302-2-6	Permanent
299	Cooking ranges, hobs, ovens and similar appliances	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl.27) IEC60335-2- 6	Permanent
300	Cooking ranges, hobs, ovens and similar appliances	Screws and connections	Qualitative	(Cl.28) IS 302-2-6	Permanent
301	Cooking ranges, hobs, ovens and similar appliances	Screws and connections	Qualitative	(Cl.28) IEC60335-2- 6	Permanent
302	Cooking ranges, hobs, ovens and similar appliances	Clearances, Creepage distances and solid insulations	0.01 mm to 150mm	(Cl.29) IS 302-2-6	Permanent
303	Cooking ranges, hobs, ovens and similar appliances	Clearances, Creepage distances and solid insulations	0.01 mm to 150mm	(Cl.29) IEC60335-2- 6	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
304	Cooking ranges, hobs, ovens and similar appliances	Resistance to heat and fire	0.001 mm to 10mm	(Cl.30) IS 302-2-6	Permanent
305	Cooking ranges, hobs, ovens and similar appliances	Resistance to heat and fire	0.001 mm to 10mm	(Cl.30) IEC60335-2- 6	Permanent
306	Cooking ranges, hobs, ovens and similar appliances	Resistance to rusting	Qualitative	(Cl.31) IS 302-2-6	Permanent
307	Cooking ranges, hobs, ovens and similar appliances	Resistance to rusting	Qualitative	(Cl.31) IEC60335-2- 6	Permanent
308	Appliances for Heating Liquids	Marking and Instructions	Qualitative	(Cl.7) IS 302-2-15	Permanent
309	Appliances for Heating Liquids	Marking and Instructions	Qualitative	(Cl. 7) IEC60335-2- 15	Permanent
310	Appliances for Heating Liquids	Protection against access to live parts	Qualitative	(Cl. 8) IS 302-2-15	Permanent
311	Appliances for Heating Liquids	Protection against access to live parts	Qualitative	(Cl. 8) IEC60335-2- 15	Permanent
312	Appliances for Heating Liquids	Power Input and Current	0.01 W to 5000 W	(Cl. 10) IS 302-2-15	Permanent
313	Appliances for Heating Liquids	Power Input and Current	0.01 W to 5000 W	(Cl. 10) IEC60335-2- 15	Permanent
314	Appliances for Heating Liquids	Heating	Others :(ta-600°C)	(Cl. 11) IS 302-2-15	Permanent
315	Appliances for Heating Liquids	Heating	Others :(ta-600°C)	(Cl. 11) IEC60335-2- 15	Permanent
316	Appliances for Heating Liquids	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IS 302-2-15	Permanent
317	Appliances for Heating Liquids	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IEC60335-2- 15	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
318	Appliances for Heating Liquids	Transient Over voltages	Qualitative	(Cl. 14) IS 302-2-15	Permanent
319	Appliances for Heating Liquids	Transient Over voltages	Qualitative	(Cl. 14) IEC60335-2- 15	Permanent
320	Appliances for Heating Liquids	Moisture Resistance	Qualitative	(Cl. 15) IS 302-2-15	Permanent
321	Appliances for Heating Liquids	Moisture Resistance	Qualitative	(Cl. 15) IEC60335-2- 15	Permanent
322	Appliances for Heating Liquids	Leakage current and electric Strength	0.2 μ A to 400 μ A	(Cl. 16) IS 302-2-15	Permanent
323	Appliances for Heating Liquids	Leakage current and electric Strength	0.2 μ A to 400 mA	(Cl. 16) IEC60335-2- 15	Permanent
324	Appliances for Heating Liquids	Overload protection of Transformers and associated circuits	Qualitative	(Cl.17) IS 302-2-15	Permanent
325	Appliances for Heating Liquids	Overload protection of Transformers and associated circuits	Qualitative	(Cl.17) IEC60335-2- 15	Permanent
326	Appliances for Heating Liquids	Abnormal Operation	Others :(ta-600°C)	(Cl.19) IS 302-2-15	Permanent
327	Appliances for Heating Liquids	Abnormal Operation	Others :(ta-600°C)	(Cl.19) IEC60335-2- 15	Permanent
328	Appliances for Heating Liquids	Stability and mechanical hazards	Qualitative	(Cl.20) IS 302-2-15	Permanent
329	Appliances for Heating Liquids	Stability and mechanical hazards	Qualitative	(Cl.20) IEC60335-2- 15	Permanent
330	Appliances for Heating Liquids	Mechanical strength	Qualitative	(Cl.21) IS 302-2-15	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
331	Appliances for Heating Liquids	Mechanical strength	Qualitative	(Cl.21) IEC60335-2- 15	Permanent
332	Appliances for Heating Liquids	Construction	Qualitative	(Cl.22) IS 302-2-15	Permanent
333	Appliances for Heating Liquids	Construction	Qualitative	(Cl.22) IEC60335-2- 15	Permanent
334	Appliances for Heating Liquids	Internal wiring	Qualitative	(Cl.23) IEC60335-2- 15	Permanent
335	Appliances for Heating Liquids	Internal wiring	Qualitative	(Cl.23) IS 302-2-15	Permanent
336	Appliances for Heating Liquids	Components	Qualitative	(Cl.24) IS 302-2-15	Permanent
337	Appliances for Heating Liquids	Components	Qualitative	(Cl.24) IEC60335-2- 15	Permanent
338	Appliances for Heating Liquids	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IS 302-2-15	Permanent
339	Appliances for Heating Liquids	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IEC60335-2- 15	Permanent
340	Appliances for Heating Liquids	Terminals for external conductors	Qualitative	(Cl.26) IS 302-2-15	Permanent
341	Appliances for Heating Liquids	Terminals for external conductors	Qualitative	(Cl.26) IEC60335-2- 15	Permanent
342	Appliances for Heating Liquids	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A) Condition (Resistance <0.1Ω)	(Cl.27) IS 302-2-15	Permanent
343	Appliances for Heating Liquids	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl.27) IEC60335-2- 15	Permanent
344	Appliances for Heating Liquids	Screws and connections	Qualitative	(Cl.28) IS 302-2-15	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
345	Appliances for Heating Liquids	Screws and connections	Qualitative	(Cl.28) IEC60335-2- 15	Permanent
346	Appliances for Heating Liquids	Clearances, Creepage distances and solid insulations	0.01 mm to 150mm	(Cl.29) IS 302-2-15	Permanent
347	Appliances for Heating Liquids	Clearances, Creepage distances and solid insulations	0.01 mm to 150mm	(Cl.29) IEC60335-2- 15	Permanent
348	Appliances for Heating Liquids	Resistance to heat and fire	0.001 mm to 10mm	(Cl.30) IS 302-2-15	Permanent
349	Appliances for Heating Liquids	Resistance to heat and fire	0.001 mm to 10mm	(Cl.30) IEC60335-2- 15	Permanent
350	Appliances for Heating Liquids	Resistance to rusting	Qualitative	(Cl.31) IS 302-2-15	Permanent
351	Appliances for Heating Liquids	Resistance to rusting	Qualitative	(Cl.31) IEC60335-2- 15	Permanent
352	Stationary Storage Type Electric Water Heater	Marking And Instructions	Qualitative	(Cl. 7) IS 302-2-21	Permanent
353	Stationary Storage Type Electric Water Heater	Marking And Instructions	Qualitative	(Cl. 7) IEC 60335-2- 21	Permanent
354	Stationary Storage Type Electric Water Heater	Protection against access to live parts	Qualitative	(Cl. 8) IS 302-2-21	Permanent
355	Stationary Storage Type Electric Water Heater	Protection against access to live parts	Qualitative	(Cl. 8) IEC 60335-2- 21	Permanent
356	Stationary Storage Type Electric Water Heater	Power Input and Current	0.001 W to 5000W	(Cl. 10) IS 302-2-21	Permanent
357	Stationary Storage Type Electric Water Heater	Power Input and Current	0.001 W to 5000W	(Cl. 10) IEC 60335-2- 21	Permanent
358	Stationary Storage Type Electric Water Heater	Heating	Ta - 600°C	(Cl. 11) IS 302-2-21	Permanent
359	Stationary Storage Type Electric Water Heater	Heating	Ta - 600°C	(Cl. 11) IEC 60335-2- 21	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
360	Stationary Storage Type Electric Water Heater	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IS 302-2-21	Permanent
361	Stationary Storage Type Electric Water Heater	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IEC 60335-2- 21	Permanent
362	Stationary Storage Type Electric Water Heater	Transient Over voltages	Qualitative	(Cl. 14) IS 302-2-21	Permanent
363	Stationary Storage Type Electric Water Heater	Transient Over voltages	Qualitative	(Cl.14) IEC 60335-2- 21	Permanent
364	Stationary Storage Type Electric Water Heater	Moisture Resistance	Qualitative	(Cl. 15) IS 302-2-21	Permanent
365	Stationary Storage Type Electric Water Heater	Moisture Resistance	Qualitative	(Cl. 15) IEC 60335-2- 21	Permanent
366	Stationary Storage Type Electric Water Heater	Leakage current and electric Strength	0.2 μ A to 400 mA	(Cl. 16) IS 302-2-21	Permanent
367	Stationary Storage Type Electric Water Heater	Leakage current and electric Strength	0.2 μ A to 400 mA	(Cl. 16) IEC 60335-2- 21	Permanent
368	Stationary Storage Type Electric Water Heater	Overload protection of transformers and associated circuits	Qualitative	(Cl.17) IS 302-2-21	Permanent
369	Stationary Storage Type Electric Water Heater	Overload protection of transformers and associated circuits	Qualitative	(Cl.17) IEC 60335-2- 21	Permanent
370	Stationary Storage Type Electric Water Heater	Abnormal operation	Ta - 600°C	(Cl.19) IS 302-221	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
371	Stationary Storage Type Electric Water Heater	Abnormal Operation	Amb to 600°C	(Cl.19) IEC 60335-2- 21	Permanent
372	Stationary Storage Type Electric Water Heater	Stability and mechanical hazards	Qualitative	(Cl.20) IS 302-2-21	Permanent
373	Stationary Storage Type Electric Water Heater	Stability and mechanical hazards	Qualitative	(Cl.20) IEC 60335-2- 21	Permanent
374	Stationary Storage Type Electric Water Heater	Mechanical strength	Qualitative	(Cl.21) IS 302-2-21	Permanent
375	Stationary Storage Type Electric Water Heater	Mechanical strength	Qualitative	(Cl.21) IEC 60335-2- 21	Permanent
376	Stationary Storage Type Electric Water Heater	Construction	Qualitative	(Cl.22) IS 302-2-21	Permanent
377	Stationary Storage Type Electric Water Heater	Construction	Qualitative	(Cl.22) IEC 60335-2- 21	Permanent
378	Stationary Storage Type Electric Water Heater	Internal wiring	Qualitative	(Cl.23) IS 302-2-21	Permanent
379	Stationary Storage Type Electric Water Heater	Internal wiring	Qualitative	(Cl.23) IEC 60335-2- 21	Permanent
380	Stationary Storage Type Electric Water Heater	Components	Qualitative	(Cl.24) IS 302-2-21	Permanent
381	Stationary Storage Type Electric Water Heater	Components	Qualitative	(Cl.24) IEC 60335-2- 21	Permanent
382	Stationary Storage Type Electric Water Heater	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IS 302-2-21	Permanent
383	Stationary Storage Type Electric Water Heater	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IEC 60335-2- 21	Permanent
384	Stationary Storage Type Electric Water Heater	Terminals for external conductors	Qualitative	(Cl.26) IS 302-2-21	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
385	Stationary Storage Type Electric Water Heater	Terminals for external conductors	Qualitative	(Cl.26) IEC 60335-2- 21	Permanent
386	Stationary Storage Type Electric Water Heater	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl.27) IS 302-2-21	Permanent
387	Stationary Storage Type Electric Water Heater	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl.27) IEC 60335-2- 21	Permanent
388	Stationary Storage Type Electric Water Heater	Screws and connections	Qualitative	(Cl.28) IS 302-2-21	Permanent
389	Stationary Storage Type Electric Water Heater	Screws and connections	Qualitative	(Cl.28) IEC 60335-2- 21	Permanent
390	Stationary Storage Type Electric Water Heater	Clearance, creepage distances and Solid insulation	0.01 mm to 150 mm	(Cl.29) IS 302-2-21	Permanent
391	Stationary Storage Type Electric Water Heater	Clearances, Creepage distances and solid insulations	0.01 mm to 150 mm	(Cl.29) IEC 60335-2- 21	Permanent
392	Stationary Storage Type Electric Water Heater	Resistance to heat and fire	0.001 mm to 10 mm	(Cl.30) IS 302-2-21	Permanent
393	Stationary Storage Type Electric Water Heater	Resistance to heat and fire	0.001 mm to 10 mm	(Cl.30) IEC 60335-2- 21	Permanent
394	Stationary Storage Type Electric Water Heater	Resistance to rusting	Qualitative	(Cl.31) IS 302-2-21	Permanent
395	Stationary Storage Type Electric Water Heater	Resistance to rusting	Qualitative	(Cl.31) IEC 60335-2- 21	Permanent
396	Stationary Storage Type Electric Water Heater	Radiation and Toxicity and Similar Hazards	Qualitative	(Cl.32) IS 302-2-21	Permanent
397	Stationary Storage Type Electric Water Heater	Radiation and Toxicity and Similar Hazards	Qualitative	(Cl.32) IEC 60335-2-21	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
398	Stationary Storage Type Electric Water Heater	Marking And Instructions	Qualitative	(Cl. 7) IS 302-2-21 IEC 60335-2-21	Permanent
399	Stationary Storage Type Electric Water Heater	Protection against access to live parts	Qualitative	(Cl. 8) IS 302-2-21 IEC 60335-2-21	Permanent
400	Stationary Storage Type Electric Water Heater	Power Input and Current	0.001 W to 5000W	(Cl. 10) IS 302-2-21 IEC 60335-2-21	Permanent
401	Stationary Storage Type Electric Water Heater	Heating	Ta - 600°C	(Cl. 11) IS 302-2-21 IEC 60335-2-21	Permanent
402	Stationary Storage Type Electric Water Heater	Charging of metal ion batteries	Qualitative	(Cl. 12) IS 302-2-21 IEC 60335-2-21	Permanent
403	Stationary Storage Type Electric Water Heater	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IS 302-2-21 IEC 60335-2-21	Permanent
404	Stationary Storage Type Electric Water Heater	Transient Over voltages	Qualitative	(Cl. 14) IS 302-2-21 IEC 60335-2-21	Permanent
405	Stationary Storage Type Electric Water Heater	Moisture Resistance	Qualitative	(Cl. 15) IS 302-2-21 IEC 60335-2-21	Permanent
406	Stationary Storage Type Electric Water Heater	Leakage current and electric Strength	0.2 μ A to 400 mA	(Cl. 16) IS 302-2-21 IEC 60335-2-21	Permanent
407	Stationary Storage Type Electric Water Heater	Overload protection of transformers and associated circuits	Qualitative	(Cl.17) IS 302-2-21 IEC 60335-2-21	Permanent
408	Stationary Storage Type Electric Water Heater	Abnormal operation	Ta - 600°C	(Cl.19) IS 302-2-21 IEC 60335-2-21	Permanent
409	Stationary Storage Type Electric Water Heater	Stability and mechanical hazards	Qualitative	(Cl.20) IS 302-2-21 IEC 60335-2-21	Permanent
410	Stationary Storage Type Electric Water Heater	Mechanical strength	Qualitative	(Cl.21) IS 302-2-21 IEC 60335-2-21	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
411	Stationary Storage Type Electric Water Heater	Construction	Qualitative	(Cl.22) IS 302-2-21 IEC 60335-2-21	Permanent
412	Stationary Storage Type Electric Water Heater	Internal wiring	Qualitative	(Cl.23) IS 302-2-21 IEC 60335-2-21	Permanent
413	Stationary Storage Type Electric Water Heater	Components	Qualitative	(Cl.24) IS 302-2-21 IEC 60335-2-21	Permanent
414	Stationary Storage Type Electric Water Heater	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IS 302-2-21 IEC 60335-2-21	Permanent
415	Stationary Storage Type Electric Water Heater	Terminals for external conductors	Qualitative	(Cl.26) IS 302-2-21 IEC 60335-2-21	Permanent
416	Stationary Storage Type Electric Water Heater	Provision for earthing	Qualitative :(0.01-12V), (0.01A-50A)	(Cl.27) IS 302-2-21 IEC 60335-2-21	Permanent
417	Stationary Storage Type Electric Water Heater	Screws and connections	Qualitative	(Cl.28) IS 302-2-21 IEC 60335-2-21	Permanent
418	Stationary Storage Type Electric Water Heater	Clearance, creepage distances and Solid insulation	0.01 mm to 150 mm	(Cl.29) IS 302-2-21 IEC 60335-2-21	Permanent
419	Stationary Storage Type Electric Water Heater	Resistance to heat and fire	0.001 mm to 10 mm	(Cl.30) IS 302-2-21 IEC 60335-2-21	Permanent
420	Stationary Storage Type Electric Water Heater	Resistance to rusting	Qualitative	(Cl.31) IS 302-2-21 IEC 60335-2-21	Permanent
421	Stationary Storage Type Electric Water Heater	Radiation and Toxicity and Similar Hazards	Qualitative	(Cl.32) IS 302-2-21 IEC 60335-2-21	Permanent
422	Stationary Storage Type Electric Water Heater	Verification of the rated capacity	50ml - 2000ml	(Cl.14) IS 2082	Permanent
423	Stationary Storage Type Electric Water Heater	Standing Loss per 24 Hrs.	0.001 kWh to 99.99 kWh	(Cl.15) IS 2082	Permanent
424	Stationary Storage Type Electric Water Heater	Hot Water Output	Qualitative	(Cl.16) IS 2082	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
425	Stationary Storage Type Electric Water Heater	Mixing Factor	Qualitative	(Cl.18) IS 2082	Permanent
426	Stationary Storage Type Electric Water Heater	Deviation of Dial Calibration	Qualitative	(Cl.19) IS 2082	Permanent
427	Stationary Storage Type Electric Water Heater	Cyclic Temperature Variation	Qualitative	(Cl.20) IS 2082	Permanent
428	Stationary Storage Type Electric Water Heater	Finish	Qualitative	(Cl.21) IS 2082	Permanent
429	Electric Instantaneous Water Heater	Marking And Instructions	Qualitative	(Cl. 7) IS 302-2-35	Permanent
430	Electric Instantaneous Water Heater	Marking And Instructions	Qualitative	(Cl. 7) IEC60335-2- 35	Permanent
431	Electric Instantaneous Water Heater	Protection against access to live parts	Qualitative	(Cl. 8) IS 302-2-35	Permanent
432	Electric Instantaneous Water Heater	Protection against access to live parts	Qualitative	(Cl. 8) IEC60335-2- 35	Permanent
433	Electric Instantaneous Water Heater	Power Input and Current	0.01 W to 6000 W	(Cl. 10) IS 302-2-35	Permanent
434	Electric Instantaneous Water Heater	Power Input and Current	0.01 W to 6000 W	(Cl. 10) IEC60335-2- 35	Permanent
435	Electric Instantaneous Water Heater	Heating	Others : (ta-600°C)	(Cl. 11) IS 302-2-35	Permanent
436	Electric Instantaneous Water Heater	Heating	Others : (ta-600°C)	(Cl. 11) IEC60335-2- 35	Permanent
437	Electric Instantaneous Water Heater	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IS 302-2-35	Permanent
438	Electric Instantaneous Water Heater	Leakage current and electric Strength at	0.2 μ A to 400 mA	(Cl. 13) IEC60335-2- 35	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
		operating temperature			
439	Electric Instantaneous Water Heater	Transient Over voltages	Qualitative	(Cl. 14) IS 302-2-35	Permanent
440	Electric Instantaneous Water Heater	Transient Over voltages	Qualitative	(Cl. 14) IEC60335-2- 35	Permanent
441	Electric Instantaneous Water Heater	Moisture Resistance	Qualitative	(Cl. 15) IS 302-2-35	Permanent
442	Electric Instantaneous Water Heater	Moisture Resistance	Qualitative	(Cl. 15) IEC60335-2- 35	Permanent
443	Electric Instantaneous Water Heater	Leakage current and electric Strength	0.2 μ A to400 mA	(Cl. 16) IS 302-2-35	Permanent
444	Electric Instantaneous Water Heater	Leakage current and electric Strength	0.2 μ A to400 mA	(Cl. 16) IEC60335-2- 35	Permanent
445	Electric Instantaneous Water Heater	Overload protection of Transformers and associated circuits	Qualitative	(Cl.17) IS 302-2-35	Permanent
446	Electric Instantaneous Water Heater	Overload protection of Transformers and associated circuits	Qualitative	(Cl.17) IEC60335-2- 35	Permanent
447	Electric Instantaneous Water Heater	abnormal operation	Others : (Amb to 600°C)	(Cl.19) IS 302-2-35	Permanent
448	Electric Instantaneous Water Heater	abnormal operation	Others : (Amb to 600°C)	(Cl.19) IEC60335-2- 35	Permanent
449	Electric Instantaneous Water Heater	Stability and mechanical hazards	Qualitative	(Cl.20) IS 302-2-35	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
450	Electric Instantaneous Water Heater	Stability and mechanical hazards	Qualitative	(Cl.20) IEC60335-2- 35	Permanent
451	Electric Instantaneous Water Heater	Mechanical strength	Qualitative	(Cl.21) IS 302-2-35	Permanent
452	Electric Instantaneous Water Heater	Mechanical strength	Qualitative	(Cl.21) IEC60335-2- 35	Permanent
453	Electric Instantaneous Water Heater	Construction	Qualitative	(Cl.22) IS 302-2-35	Permanent
454	Electric Instantaneous Water Heater	Construction	Qualitative	(Cl.22) IEC60335-2- 35	Permanent
455	Electric Instantaneous Water Heater	Internal wiring	Qualitative	(Cl.23) IS 302-2-35	Permanent
456	Electric Instantaneous Water Heater	Internal wiring	Qualitative	(Cl.23) IEC60335-2- 35	Permanent
457	Electric Instantaneous Water Heater	Components	Qualitative	(Cl.24) IS 302-2-35	Permanent
458	Electric Instantaneous Water Heater	Components	Qualitative	(Cl.24) IEC60335-2- 35	Permanent
459	Electric Instantaneous Water Heater	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IS 302-2-35	Permanent
460	Electric Instantaneous Water Heater	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl.25) IEC60335-2- 35	Permanent
461	Electric Instantaneous Water Heater	Terminals for external conductors	Qualitative	(Cl.26) IS 302-2-35	Permanent
462	Electric Instantaneous Water Heater	Terminals for external conductors	Qualitative	(Cl.26) IEC60335-2- 35	Permanent
463	Electric Instantaneous Water Heater	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl.27) IS 302-2-35	Permanent
464	Electric Instantaneous Water Heater	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl.27) IEC60335-2- 35	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
465	Electric Instantaneous Water Heater	Screws and connections	Qualitative	(Cl.28) IS 302-2-35	Permanent
466	Electric Instantaneous Water Heater	Screws and connections	Qualitative	(Cl.28) IEC60335-2- 35	Permanent
467	Electric Instantaneous Water Heater	Clearances, Creepage distances and solid insulations	0.01 mm to 150mm	(Cl.29) IS 302-2-35	Permanent
468	Electric Instantaneous Water Heater	Clearances, Creepage distances and solid insulations	0.01 mm to 150mm	(Cl.29) IEC60335-2- 35	Permanent
469	Electric Instantaneous Water Heater	Resistance to heat and fire	0.001 mm to 10mm	(Cl.30) IS 302-2-35	Permanent
470	Electric Instantaneous Water Heater	Resistance to heat and fire	0.001 mm to 10mm	(Cl.30) IEC60335-2- 35	Permanent
471	Electric Instantaneous Water Heater	Resistance to rusting	Qualitative	(Cl.31) IS 302-2-35	Permanent
472	Electric Instantaneous Water Heater	Resistance to rusting	Qualitative	(Cl.31) IEC60335-2- 35	Permanent
473	Electric Instantaneous Water Heater	Endurance	Qualitative	(Cl.12) IS 8978	Permanent
474	Electric Instantaneous Water Heater	Finish	Qualitative	(Cl.12) IS 8978	Permanent
475	Electric Instantaneous Water Heater	Operation of Flow switch	Qualitative	(Cl.11) IS 8978	Permanent
476	Electric Immersion Water Heaters	Marking And Instructions	Qualitative	(Cl. 7) IS 302-2-201	Permanent
477	Electric Immersion Water Heaters	Protection against access to live parts	Qualitative	(Cl. 8) IS 302-2-201	Permanent
478	Electric Immersion Water Heaters	Power Input and Current	0.01 W to 6000 W	(Cl. 10) IS 302-2-201	Permanent
479	Electric Immersion Water Heaters	Heating	Others :(ta-600°C)	(Cl. 11) IS 302-2-201	Permanent
480	Electric Immersion Water Heaters	Leakage current and electric	0.2 µA to400 mA	(Cl. 13) IS 302-2-201	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
		Strength at operating temperature			
481	Electric Immersion Water Heaters	Transient Over voltages	Qualitative	(Cl. 14) IS 302-2-201	Permanent
482	Electric Immersion Water Heaters	Moisture Resistance	Qualitative	(Cl. 15) IS 302-2-201	Permanent
483	Electric Immersion Water Heaters	Leakage current and Electric strength	0.2 μ A to 400 mA	(Cl. 16) IS 302-2-201	Permanent
484	Electric Immersion Water Heaters	Endurance	Qualitative	(Cl. 18) IS 368	Permanent
485	Electric Immersion Water Heaters	Abnormal operation	Others : (ta-600°C)	(Cl. 19) IS 302-2-201	Permanent
486	Electric Immersion Water Heaters	Stability and mechanical hazards	Qualitative	(Cl. 20) IS 302-2-201	Permanent
487	Electric Immersion Water Heaters	Mechanical strength	Qualitative	(Cl. 21) IS 302-2-201	Permanent
488	Electric Immersion Water Heaters	Construction	Qualitative	(Cl. 22) IS 302-2-201	Permanent
489	Electric Immersion Water Heaters	Internal wiring	Qualitative	(Cl. 23) IS 302-2-201	Permanent
490	Electric Immersion Water Heaters	Components	Qualitative	(Cl. 24) IS 302-2-201	Permanent
491	Electric Immersion Water Heaters	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl. 25) IS 302-2-201	Permanent
492	Electric Immersion Water Heaters	Terminals for external conductors	Qualitative	(Cl. 26) IS 302-2-201	Permanent
493	Electric Immersion Water Heaters	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl.27) IS 302-2-201	Permanent
494	Electric Immersion Water Heaters	Screws and connections	Qualitative	(Cl. 28) IS 302-2-201	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
495	Electric Immersion Water Heaters	Clearances, Creepage distances and solid insulations	0.01 mm to 150mm	(Cl. 29) IS 302-2-201	Permanent
496	Electric Immersion Water Heaters	Resistance to heat and fire	0.001 mm to 10mm	(Cl. 30) IS 302-2-201	Permanent
497	Electric Immersion Water Heaters	Resistance to rusting	Qualitative	(Cl. 31) IS 302-2-201	Permanent
498	PORTABLE IMMERSION WATER HEATER	Marking And Instructions	Qualitative	(Cl. 7) IS 302-2-74/IEC 60335-2-74	Permanent
499	PORTABLE IMMERSION WATER HEATER	Protection against access to live parts	Qualitative	(Cl. 8) IS 302-2-74/IEC 60335-2-74	Permanent
500	PORTABLE IMMERSION WATER HEATER	Power Input and Current	0.01 W to 6000 W	(Cl. 10) IS 302-2-74/IEC 60335-2-74	Permanent
501	PORTABLE IMMERSION WATER HEATER	Heating	Others : (ta-600°C)	(Cl. 11) IS 302-2-74/IEC 60335-2-74	Permanent
502	PORTABLE IMMERSION WATER HEATER	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IS 302-2-74/IEC 60335-2-74	Permanent
503	PORTABLE IMMERSION WATER HEATER	Transient Over voltages	Qualitative	(Cl. 14) IS 302-2-74/IEC 60335-2-74	Permanent
504	PORTABLE IMMERSION WATER HEATER	Moisture Resistance	Qualitative	(Cl. 15) IS 302-2-74/IEC 60335-2-74	Permanent
505	PORTABLE IMMERSION WATER HEATER	Leakage current and Electric strength	0.2 μ A to 400 mA	(Cl. 16) IS 302-2-74/IEC 60335-2-74	Permanent
506	PORTABLE IMMERSION WATER HEATER	Overload protection of Transformers and associated circuits	Qualitative	(Cl. 17) IS 302-2-74/IEC 60335-2-74	Permanent
507	PORTABLE IMMERSION WATER HEATER	Endurance	Qualitative	(Cl. 18) IS 302-2-74/IEC 60335-2-74	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
508	PORTABLE IMMERSION WATER HEATER	Abnormal operation	Others : (ta-600°C)	(Cl. 19) IS 302-2-74/IEC 60335-2-74	Permanent
509	PORTABLE IMMERSION WATER HEATER	Stability and mechanical hazards	Qualitative	(Cl. 20) IS 302-2-74/IEC 60335-2-74	Permanent
510	PORTABLE IMMERSION WATER HEATER	Mechanical strength	Qualitative	(Cl. 21) IS 302-2-74/IEC 60335-2-74	Permanent
511	PORTABLE IMMERSION WATER HEATER	Construction	Qualitative	(Cl. 22) IS 302-2-74/IEC 60335-2-74	Permanent
512	PORTABLE IMMERSION WATER HEATER	Internal wiring	Qualitative	(Cl. 23) IS 302-2-74/IEC 60335-2-74	Permanent
513	PORTABLE IMMERSION WATER HEATER	Components	Qualitative	(Cl. 24) IS 302-2-74/IEC 60335-2-74	Permanent
514	PORTABLE IMMERSION WATER HEATER	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl. 25) IS 302-2-74/IEC 60335-2-74	Permanent
515	PORTABLE IMMERSION WATER HEATER	Terminals for external conductors	Qualitative	(Cl. 26) IS 302-2-74/IEC 60335-2-74	Permanent
516	PORTABLE IMMERSION WATER HEATER	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl. 27) IS 302-2-74/IEC 60335-2-74	Permanent
517	PORTABLE IMMERSION WATER HEATER	Screws and connections	Qualitative	(Cl. 28) IS 302-2-74/IEC 60335-2-74	Permanent
518	PORTABLE IMMERSION WATER HEATER	Clearances, Creepage distances and solid insulations	0.01 mm to 150mm	(Cl. 29) IS 302-2-74/IEC 60335-2-74	Permanent
519	PORTABLE IMMERSION WATER HEATER	Resistance to heat and fire	0.001 mm to 10mm	(Cl. 30) IS 302-2-74/IEC 60335-2-74	Permanent
520	PORTABLE IMMERSION WATER HEATER	Resistance to rusting	Qualitative	(Cl. 31) IS 302-2-74/IEC 60335-2-74	Permanent
521	PORTABLE IMMERSION WATER HEATER	Radiation toxicity & similar hazards	Qualitative	(Cl. 32) IS 302-2-74/IEC 60335-2-74	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
522	Mineral filed sheathed heating element	Marking And Instructions	Qualitative	(Cl. 7) IS 4159	Permanent
523	Mineral filed sheathed heating element	Protection against access to live parts	Qualitative	(Cl. 8) IS 4159	Permanent
524	Mineral filed sheathed heating element	Power Input and Current	0.01 W to 6000 W	(Cl. 10) IS 4159	Permanent
525	Mineral filed sheathed heating element	Heating	Others :(ta-600°C)	(Cl. 11) IS 4159	Permanent
526	Mineral filed sheathed heating element	Leakage current and electric Strength at operating temperature	0.2 μ A to 400 mA	(Cl. 13) IS 4159	Permanent
527	Mineral filed sheathed heating element	Transient Overvoltages	Qualitative	(Cl. 14) IS 4159	Permanent
528	Mineral filed sheathed heating element	Moisture Resistance	Qualitative	(Cl. 15) IS 4159	Permanent
529	Mineral filed sheathed heating element	Leakage current and Electric strength	0.2 μ A to 400 mA	(Cl. 16) IS 4159	Permanent
530	Mineral filed sheathed heating element	Endurance	Qualitative	(Cl. 18) IS 4159	Permanent
531	Mineral filed sheathed heating element	Abnormal operation	Others :(ta-600°C)	(Cl. 19) IS 4159	Permanent
532	Mineral filed sheathed heating element	Stability and mechanical hazards	Qualitative	(Cl. 20) IS 4159	Permanent
533	Mineral filed sheathed heating element	Mechanical strength	Qualitative	(Cl. 21) IS 4159	Permanent
534	Mineral filed sheathed heating element	Construction	Qualitative	(Cl. 22) IS 4159	Permanent
535	Mineral filed sheathed heating element	Internal wiring	Qualitative	(Cl. 23) IS 4159	Permanent
536	Mineral filed sheathed heating element	Components	Qualitative	(Cl. 24) IS 4159	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
537	Mineral filed sheathed heating element	Supply connection & external flexible cords	0.01 mm to 150mm	(Cl. 25) IS 4159	Permanent
538	Mineral filed sheathed heating element	Terminals for external conductors	Qualitative	(Cl. 26) IS 4159	Permanent
539	Mineral filed sheathed heating element	Provision for earthing	Qualitative : (0.01-12V), (0.01A-50A)	(Cl. 27) IS 4159	Permanent
540	Mineral filed sheathed heating element	Screws and connections	Qualitative	(Cl. 28) IS 4159	Permanent
541	Mineral filed sheathed heating element	Clearances, Creepage distances and solid insulations	0.01 mm to 150mm	(Cl. 29) IS 4159	Permanent
542	Mineral filed sheathed heating element	Resistance to heat and fire	0.001 mm to 10mm	(Cl. 30) IS 4159	Permanent
543	Mineral filed sheathed heating element	Resistance to rusting	Qualitative	(Cl. 31) IS 4159	Permanent

ELECTRICAL- ENVIRONMENTAL TEST FACILITY

544	Electrical & Electronics Product	Bump Test (Impact)	Qualitative	IEC 60068-2-27	Permanent
545	Electrical & Electronics Product	Bump Test	Qualitative	JSS 50101	Permanent
546	Electrical & Electronics Product	Bump Test	Qualitative	Test No. 5, JSS 55555	Permanent
547	Electrical & Electronics Product	Bump Test	Qualitative	Test no.13, QM 333 JSS 5855-11	Permanent
548	Electrical & Electronics Product	Bump Test (Impact)	Qualitative	IS/IEC 60068-2-1	Permanent
549	Electrical & Electronics Product	Cold Test	Qualitative	IEC 60068-2-1/ IEC 60571	Permanent
550	Electrical & Electronics Product	Cold Test	Qualitative	IS/IEC 60068-2-1	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
551	Electrical & Electronics Product	Low Temperature (Cold Cycle)	Qualitative	Test no.1 QM 333 MIL-STD-810F, G EN 50155	Permanent
552	Electrical & Electronics Product	Low Temperature Test	Qualitative	Test No. 20 JSS 55555	Permanent
553	Electrical & Electronics Product	Temperature (Cold)	Qualitative	Test No. 21 JSS 50101	Permanent
554	Electrical & Electronics Product	Damp Heat (Steady State)	Qualitative	TestNo.10-JSS 55555	Permanent
555	Electrical & Electronics Product	Damp Heat (Steady State)	Qualitative	Test no.5- QM 333 MIL-STD-810F, G	Permanent
556	Electrical & Electronics Product	Damp Heat	Qualitative	Test No. 10, JSS 55555 / IEC 60571	Permanent
557	Electrical & Electronics Product	Damp Heat	Qualitative	Test No. 5,7, JSS 50101	Permanent
558	Electrical & Electronics Product	Damp heat (cyclic) test	Qualitative	IEC 60068-2-30 JSS 5855-11	Permanent
559	Electrical & Electronics Product	Damp heat (cyclic) test	Qualitative	IS 9000 (Part-5: Sec 1 to 2)	Permanent
560	Electrical & Electronics Product	Damp Heat, Steady State	Qualitative	IS 9000 (Part- 4), IEC 60068-2-78	Permanent
561	Electrical & Electronics Product	TROPICAL EXPOSURE	Qualitative	Test No. 27 JSS 55555, JSS 5855-11	Permanent
562	Electrical & Electronics Product	Tropical Exposure (Damp Heat Cyclic)	Qualitative	Test no.3 QM 333	Permanent
563	Electrical & Electronics Product	Dry Heat Test	Qualitative	Test No.22 JSS 50101	Permanent
564	Electrical & Electronics Product	Dry Heat Test	Qualitative	IEC 60068-2-2	Permanent
565	Electrical & Electronics Product	Dry Heat Test	Qualitative	IS 9000-Part-3/Sec 1- 5: 1977, EN 50155	Permanent
566	Electrical & Electronics Product	Dry Heat Test	Qualitative	Test No.17- JSS 55555 / IEC 60571,	Permanent
567	Electrical & Electronics Product	Dry Heat Test	Qualitative	Test no.2 QM333, MIL-STD-810F, G	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
568	Electrical & Electronics Product	Dust test	Qualitative	Test No.8 - JSS 50101, JSS 5855-11	Permanent
569	Electrical & Electronics Product	Dust test	Qualitative	IS/IEC 60529:2001	Permanent
570	Electrical & Electronics Product	Dust test	Qualitative	IS 9000- Part-12: 1981	Permanent
571	Electrical & Electronics Product	Dust test	Qualitative	Test No.14 -JSS 55555 MIL-STD-810F, G	Permanent
572	Electrical & Electronics Product	Glow-Wire Test	Qualitative	IS 11000 (Pt 2/Sec 1) , IEC 60695-2-10	Permanent
573	Electrical & Electronics Product	Degrees of Protection against external mechanical impacts (IK code)	Qualitative	IEC 62262	Permanent
574	Electrical & Electronics Product	Ingress Protection test	Qualitative :Qualitative: First Characteristics Numeral :IP1X to 6X Second Characteristics Numeral :IP X1 to X8 Additional letter D	IEC 60529:1989,	Permanent
575	Electrical & Electronics Product	Ingress Protection test	Qualitative :Qualitative:1 Characteristics Numeral: IP 1Xto 6X 2nd Characteristics Numeral: IP X1 to X8	IS/IEC 60529	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
			Additionallet D		
576	Rotating electrical machines	Test for first characteristic numeral 1 to 6 Cl. 8	Qualitative	IS/IEC 60034 (Part 5)	Permanent
577	Rotating electrical machines	Test for Second characteristic numeral 1 to 8 Cl. 9	Qualitative	IS/IEC 60034 (Part 5)	Permanent
578	Electrical and electronic items	ALTITUDE	Qualitative	Test No. 3, JSS 55555, IEC60068-2-13 MIL-STD-810F, G	Permanent
579	Electrical and electronic items	Change of temperature test	Qualitative	Test No.22-JSS 55555, MIL-STD-810F, G	Permanent
580	Electrical and electronic items	Change of temperature test	Qualitative	JSS 50101 Test no.4, QM333 JSS 5855-11	Permanent
581	Electrical and electronic items	Drop test	Qualitative	IEC 60068-2-31 JSS 5855-11	Permanent
582	Electrical and electronic items	Sealing (Gas tightness)/high altitude test	Qualitative	Test no. 7, h QM 333, JSS 5855-11	Permanent
583	Electrical and electronic items	Shock test (Sine pulse)	Qualitative	Test No. 24, JSS 55555/ IEC 60571	Permanent
584	Electrical and electronic items	Shock test(Sine pulse)	Qualitative	IEC 60068-2-27	Permanent
585	Electrical and electronic items	Shock test	Qualitative	IS 9000 (Part- 7/Sec-1) MIL-STD-810F, G	Permanent
586	Electrical and electronic items	Needle- Flame Test	Qualitative	IS/IEC60695-11-5	Permanent
587	Electrical and electronic items	Temperature Cycling	Qualitative	Test No. 20 JSS 50101	Permanent
588	Electrical and electronic items	Change of temperature test	Qualitative	IS/IEC 60068: Part 2: Sec 14	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
589	Electrical and electronic items	Rapid Temperature Cycle	Qualitative	Test No. 22 JSS 55555	Permanent
590	Electrical and electronic items	Rapid Temperature Cycle	Qualitative	Test No. 4- QM333(sec-3)	Permanent
591	Electrical and electronic items	Tracking Index test	Qualitative	IS 2824 , IEC 60112	Permanent
592	Electrical and electronic items	Vicat Softening Test	Qualitative	ISO 306	Permanent
593	Electrical and electronic items	Vicat Softening Test	Qualitative	IS 10810-22	Permanent
594	Electrical and electronic items	Vibration Test	Qualitative	Test No. 6 QM333	Permanent
595	Electrical and electronic items	Vibration Test	Qualitative	IEC 60068-2-64	Permanent
596	Electrical and electronic items	Vibration Test	Qualitative	Test No. 23 & 24, JSS 50101	Permanent
597	Electrical and electronic items	Vibration Test (Random)	Qualitative	IS 9000 (Part-7) Sec-1 IEC 60571 MIL-STD-810F, G	Permanent
598	Electrical and electronic items	Vibration test (Sinusoidal)	Qualitative	IS/IEC 60068- 2- 6 IEC 60571 MIL-STD-810F, G	Permanent
599	Electrical and electronic items	Vibration test (Sinusoidal)	Qualitative	IS 9001 (Part 13)	Permanent
600	Electrical and electronic items	Vibration test (Sinusoidal)	Qualitative	JSS 50101	Permanent
601	Electrical and electronic items	Shock and Vibration Test	Qualitative	IEC 61373/ IEC 60571, JSS 5855-11 MIL-STD-810F, G	Permanent
602	Electrical and electronic items	Vibration Test	Qualitative	Test No. 28 JSS 55555	Permanent
ELECTRONICS - IT EQUIPMENT					
603	Information Technology Equipment	Components	Qualitative	Cl.1.5 of IS 13252-1, IEC 60950-1	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
604	Information Technology Equipment	Power Interface	0-6000W	Cl. 1.6 of IS 13252-1, IEC 60950-1	Permanent
605	Information Technology Equipment	Marking and Instructions	Qualitative	Cl. 1.7 of IS 13252-1, IEC 60950-1	Permanent
606	Information Technology Equipment	Durability	Qualitative	Cl. 1.7.11 of IS 13252-1, IEC 60950-1	Permanent
607	Information Technology Equipment	Protection from Electric shock and energy hazards	0.01 mm to 150 mm	Cl. 2.1 of IS 13252-1, IEC 60950-1	Permanent
608	Information Technology Equipment	SELV circuits	Qualitative	Cl. 2.2 of IS 13252- 1, IEC 60950-1	Permanent
609	Information Technology Equipment	Limits of TNV circuits	Qualitative	Cl. 2.3 of IS 13252- 1, IEC 60950-1	Permanent
610	Information Technology Equipment	Limited current circuits	0.2 μ V to 400 mV	Cl. 2.4 of IS 13252- 1, IEC 60950-1	Permanent
611	Information Technology Equipment	limited power sources	0.001 A to 20 A	Cl. 2.5 of IS 13252- 1, IEC 60950-1	Permanent
612	Information Technology Equipment	Provision for Earthing & Bonding	Qualitative	Cl. 2.6 of IS 13252- 1, IEC 60950-1	Permanent
613	Information Technology Equipment	Overcurrent and earth fault protection in primary circuits	Qualitative	Cl. 2.7 of IS 13252- 1, IEC 60950-1	Permanent
614	Information Technology Equipment	Safety interlocks	Qualitative	Cl. 2.8 of IS 13252- 1, IEC 60950-1	Permanent
615	Information Technology Equipment	General Principles	Qualitative	Cl.2.8.1, IS 13252- 1, IEC 60950-1	Permanent
616	Information Technology Equipment	Protection Requirements	Qualitative	Cl. 2.8.2, IS 13252- 1, IEC 60950-1	Permanent
617	Information Technology Equipment	Inadvertent reactivation	Qualitative	Cl.2.8.3, IS 13252- 1, IEC 60950-1	Permanent
618	Information Technology Equipment	Fail Safe Operations	Qualitative	Cl 2.8.4, IS 13252- 1, IEC 60950-1	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
619	Information Technology Equipment	Moving Parts	Qualitative	Cl.2.8.5, IS 13252- 1, IEC 60950-1	Permanent
620	Information Technology Equipment	Overriding	Qualitative	Cl.2.8.6, IS 13252- 1, IEC 60950-1	Permanent
621	Information Technology Equipment	Switches and Relay	Qualitative	Cl.2.8.7, IS 13252- 1, IEC 60950-1	Permanent
622	Information Technology Equipment	Mechanical Actuator	Qualitative	Cl.2.8.8, IS 13252- 1, IEC 60950-1	Permanent
623	Information Technology Equipment	Electrical Insulation	Qualitative	Cl. 2.9 of IS 13252- 1, IEC 60950-1	Permanent
624	Information Technology Equipment	Clearances, Creepage Distance And Distance Through Insulation	0.01 mm to 150 mm	Cl. 2.10 of IS 13252- 1, IEC 60950-1	Permanent
625	Information Technology Equipment	Wiring, Connection and supply	0.01 mm to 150 mm	Cl. 3.0 & 3.1 of IS 13252- 1, IEC 60950-1	Permanent
626	Information Technology Equipment	Connection to a mains supply Wiring connections & supply	0.01 mm to 150 mm	Cl. 3.2 of IS 13252- 1, IEC 60950-1	Permanent
627	Information Technology Equipment	Wiring terminals for connection of external conductors	0.01 mm to 150 mm	Cl. 3.3 of IS 13252- 1, IEC 60950-1	Permanent
628	Information Technology Equipment	Disconnection from the mains supply(Cl. 3.4)	Qualitative	Cl. 3.4 of IS 13252- 1, IEC 60950-1	Permanent
629	Information Technology Equipment	Interconnection of equipment	Qualitative	Cl. 3.5 of IS 13252- 1, IEC 60950-1	Permanent
630	Information Technology Equipment	Physical Requirement Stability	Qualitative	Cl. 4.1 of IS 13252- 1, IEC 60950-1	Permanent
631	Information Technology Equipment	Mechanical Strength	Qualitative	Cl. 4.2 of IS 13252- 1, IEC 60950-1	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
632	Information Technology Equipment	Design and Construction	Qualitative	Cl. 4.3 of IS 13252- 1, IEC 60950-1	Permanent
633	Information Technology Equipment	Protection against hazardous moving parts	Qualitative	Cl. 4.4 of IS 13252- 1, IEC 60950-1	Permanent
634	Information Technology Equipment	Thermal Requirements	1°C to 600 °C	Cl. 4.5 of IS 13252- 1, IEC 60950-1	Permanent
635	Information Technology Equipment	Openings in enclosure	0.01 mm to 150 mm	Cl. 4.6 of IS 13252- 1, IEC 60950-1	Permanent
636	Information Technology Equipment	Resistance to Fire	0.01 mm to 10 mm	Cl. 4.7 of IS 13252- 1, IEC 60950-1	Permanent
637	Information Technology Equipment	Touch Current and protective conductor current	0.2 µV to 400 mV	Cl. 5.1 of IS 13252- 1, IEC 60950-1	Permanent
638	Information Technology Equipment	Electric Strength	Qualitative	Cl. 5.2 of IS 13252- 1, IEC 60950-1	Permanent
639	Information Technology Equipment	Abnormal operating and fault conditions	1 °C to 600 °C	Cl. 5.3 of IS 13252- 1, IEC 60950-1	Permanent
640	Information Technology Equipment	Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment	0.2 µV to 400 mV	Cl. 6.1 of IS 13252- 1, IEC 60950-1	Permanent
641	Information Technology Equipment	Protection of the telecommunication wiring system from overheating	0.0001 A to 20 A	Cl. 6.3 of IS 13252- 1, IEC 60950-1	Permanent
642	Information Technology Equipment	Protection of cable distribution system service	0.01 mm to 150 mm	Cl. 7.2 of IS 13252- 1, IEC 60950-1	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
		persons, and users of other equipment connected to the system, from hazardous voltages in the equipment			
643	Information Technology Equipment	Protection of equipment users from over voltages on the cable distribution system	Qualitative	Cl. 7.3 of IS 13252- 1, IEC 60950-1	Permanent
644	Information Technology Equipment	Insulation between primary circuits and cable distribution systems	Qualitative	Cl. 7.4 of IS 13252- 1, IEC 60950-1	Permanent
645	Information Technology Equipment	Motor tests under abnormal conditions	1 °C to 600 °C	(Annex B) IS 13252- 1, IEC 60950-1	Permanent
646	Information Technology Equipment	Transformers	1 °C to 600 °C	(Annex C) IS 13252- 1, IEC 60950-1	Permanent
647	Information Technology Equipment	Requirements for the mounting means of rack mounted equipment	Qualitative	(Annex DD) IS 13252- 1, IEC 60950-1	Permanent
648	Information Technology Equipment	Household and home/office document/media shredders	Qualitative	(Annex EE) IS 13252- 1, IEC 60950-1	Permanent
649	Mobile Phone Handsets	Inputting of text	Qualitative	Cl. 5.1 of IS 16333 (Part: 3)	Permanent
650	Mobile Phone Handsets	Inputting of text	Qualitative	IS 16350	Permanent
651	Mobile Phone Handsets	Marking	Qualitative	Cl. 6 of IS 16333 (Part: 3)	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
652	Mobile Phone Handsets	Marking	Qualitative	Cl. 6 of IS 16350	Permanent
653	Mobile Phone Handsets	Messaging Readability	Qualitative	Cl. 5.2 of IS 16333 (Part: 3)	Permanent
ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES					
654	Audio/Video, information and communication technology equipment	Accessibility to Electrical energy sources and safeguards	Qualitative	(Cl. 5.3.2) IS/IEC 62368-1	Permanent
655	Audio/Video, information and communication technology equipment	Antenna terminal insulation	Qualitative	(Cl. 5.4.5) IS/IEC 62368-1	Permanent
656	Audio/Video, information and communication technology equipment	Ball pressure	0.01 mm to 10 mm	(Cl.5.4.1.10.3) IS/IEC 62368-1	Permanent
657	Audio/Video, information and communication technology equipment	Capacitor discharge,	Qualitative	(Cl. 5.5.2.2) IS/IEC62368-1	Permanent
658	Audio/Video, information and communication technology equipment	Cart stand or carrier loading,	Qualitative	(Cl. 8.10.3) IS/IEC62368-1	Permanent
659	Audio/Video, information and communication technology equipment	Clearance and Creepage Distances	0.01 mm to 150 mm	(Cl. 5.4.25.4.3) IS/IEC 62368-1	Permanent
660	Audio/Video, information and communication technology equipment	Compliance criteria (Force)	Qualitative	(Cl. 4.8.5) IS/IEC 62368-1	Permanent
661	Audio/Video, information and communication technology equipment	Criteria for telephone ringing signals (TNV circuit test),	Qualitative	(Annex H) IS/IEC 62368-1	Permanent
662	Audio/Video, information and communication technology equipment	Drop,	Qualitative	(Annex T.7) IS/IEC 62368-1	Permanent
663	Audio/Video, information and communication technology equipment	Electric strength	Qualitative	(Cl. 5.4.9) IS/IEC 62368-1	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
664	Audio/Video, information and communication technology equipment	Enclosure impact,	Qualitative	(Annex T.6, Annex(T.9) IS/IEC 62368-1	Permanent
665	Audio/Video, information and communication technology equipment	Equipment for direct insertion into mains socket- outlets,	Qualitative	(Cl. 4.7) IS/IEC 62368-1	Permanent
666	Audio/Video, information and communication technology equipment	Equipment mounted to a wall or ceiling,	Qualitative	(Cl. 8.7) IS/IEC 62368-1	Permanent
667	Audio/Video, information and communication technology equipment	Fixing Conductor	Qualitative	(Cl. 4.6) IS/IEC 62368-1	Permanent
668	Audio/Video, information and communication technology equipment	Handle strength,	Qualitative	(Cl. 8.8) IS/IEC 62368-1	Permanent
669	Audio/Video, information and communication technology equipment	Horizontal force,	Qualitative	(Cl. 8.6.5) IS/IEC 62368-1	Permanent
670	Audio/Video, information and communication technology equipment	Humidity conditioning	Qualitative	(Cl. 5.4.8) IS/IEC 62368-1	Permanent
671	Audio/Video, information and communication technology equipment	Impulse	Qualitative	(Cl.5.4.10.2.2) IS/IEC 62368-1	Permanent
672	Audio/Video, information and communication technology equipment	Input Test ,	0.001 W to 6000 W	(Annex B.2.5) IS/IEC 62368-1	Permanent
673	Audio/Video, information and communication technology equipment	Limited power source,	0.001 A to 20 A	(Annex Q.1) IS/IEC 62368-1	Permanent
674	Audio/Video, information and communication technology equipment	Mains supply connection (Cord anchorage)	Qualitative	(Annex G.7) IS/IEC 62368-1	Permanent
675	Audio/Video, information and communication technology equipment	Maximum operating temperature	1 °C to 600 °C	(Cl. 5.4.1.4) IS/IEC 62368-1	Permanent

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications/ Equipment/Techniques used	Facility
		(Temperature Measurement)			
676	Audio/Video, information and communication technology equipment	Permanence of Marking,	Qualitative	(Annex F.3.9) IS/IEC 62368-1	Permanent
677	Audio/Video, information and communication technology equipment	Power source circuit classification,	Qualitative	(Cl. 6.2.2) IS/IEC 62368-1	Permanent
678	Audio/Video, information and communication technology equipment	Prospective touch voltage touch current and protective Conductor current	0.2 μ V to 400 mV	(Cl. 5.7) IS/IEC 62368-1	Permanent
679	Audio/Video, information and communication technology equipment	Resistance of the Protective Bonding System (Earth bond)	Qualitative	(Cl. 5.6.6) IS/IEC 62368-1	Permanent
680	Audio/Video, information and communication technology equipment	RMS working voltage / Peak Working voltage (working voltage),	Qualitative	(Cl. 5.4.1.8.2 / 5.4.1.8.3) IS/IEC 62368-1	Permanent
681	Audio/Video, information and communication technology equipment	Simulated abnormal operating conditions / Simulated single fault conditions,	1 $^{\circ}$ C to 600 $^{\circ}$ C	(Annex B2.5) IS/IEC 62368-1	Permanent
682	Audio/Video, information and communication technology equipment	Static stability	Qualitative	(Cl. 8.6.2) IS/IEC 62368-1	Permanent
683	Audio/Video, information and communication technology equipment	Steady force	Qualitative	(Annex T.2, Annex T.3, Annex T.4, Annex T.5) IS/IEC 62368-1	Permanent
684	Audio/Video, information and communication technology equipment	Stress relief,	Qualitative	(Annex T.8) IS/IEC 62368-1	Permanent



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685	Color TV	Energy Star - Energy Star Program requirements	0.001 W to 6000 W	BEE SCHEDULE – 11	Permanent
686	LED TV, LCD TV, Plasma TV	Energy Star - Energy Star Program requirements	0.001 W to 6000 W	IEC 62087	Permanent
687	LED TV, LCD TV, Plasma TV	Energy Star - Energy Star Program requirements	0.001 W to 6000 W	IEC 62301	Permanent
688	Ultra-High Definition Televisions	Energy Star - Energy Star Program requirements	0.001 W to 6000 W	BEE Schedule 26	Permanent

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