

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Atharva Laboratories Pvt. Ltd.

C-54, Hosiery Complex, Noida
Gautam Buddha Nagar-201305, Uttar Pradesh, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2024/0084

Valid from: 05 November 2024

Valid until: 04 November 2026

A handwritten signature in black ink, appearing to read 'Bhupendra'.

Dr. Bhupendra Kumar Rana
Chief Executive Officer

A handwritten signature in black ink, appearing to read 'Vikram'.

Prof. Vikram Kumar
Chair, CIA



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
1.	LED Display / TV	Luminance	Cl.4 of BEE schedule 26, Cl.6.5, IEC 62087-3
2.		Measurement of power consumption in Off mode, Partial On mode	CL.4 of BEE schedule 26, Cl 6.6, Cl 6.7 of IEC 62087-3
3.		On Mode Power consumption	BEE schedule 26, Cl.6.4, IEC 62087-3
4.		On Mode Power consumption	Cl.4 of BEE schedule 26, Cl.6.4, IEC 62087-1
5.		Standby Mode Power Consumption	Cl.4 of BEE schedule 26, Cl.5.3, IEC 62301
6.		Luminance	Cl.4 of BEE Schedule 26, Cl.5.1.7, IEC 62087-1
7.		Luminance	Cl.5 of BEE Schedule 11, Cl. 5.1.7 IEC 62087-1
8.		Luminance	Cl.5 of BEE Schedule 11, Cl. 6.5 IEC 62087-3
9.		On Mode Power consumption	Cl.5 of BEE Schedule 11, Cl. 6.4, IEC 62087-1
10.		On Mode Power consumption	BEE Schedule 11, Cl. 6.4, IEC 62087-3
11.		Standby Mode Power Consumption	Cl.5 BEE Schedule 11, IEC 62301
12.	Electronic Games (Video), Electronic Musical Systems with Input Power 200W &	Normal operating condition	IS 616:2017; IEC 60065: 2014 (Clause 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8, 4.2.9, 4.2.10,

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
	Above, Optical Disc Players with Built in Amplifiers of Input Power 200W & Above, PLASMA/LCD/LED Televisions of Screen Size 32"; & Above, Power Adaptors for Audio, Video & Similar Electronic Apparatus, Plasma/ LCD/LED Television of screen size up-to 32, Electronic Musical System with input power below 200 Watts, Television other than Plasma/ LCD/LED TVs, Video Camera & Webcam		4.2.10.1, 4.2.10.2, 4.2.11, 4.2.12 & 4.2.13)
13.		Normal operating condition	IS 616:2017; IEC 60065: 2014 (Clause 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8, 4.2.9, 4.2.10, 4.2.10.1, 4.2.10.2, 4.2.11, 4.2.12 & 4.2.13)
14.		Fault Condition	IS 616:2017; IEC 60065: 2014 (Clause 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.7, 4.3.8, 4.3.9, 4.3.10, 4.3.11, 4.3.12, 4.3.13, 4.3.14, 4.3.15, 4.3.16 & 4.3.17)
15.		Marking & Instructions	IS 616:2017; IEC 60065: 2014 (Clause 5)
16.		General Requirements	IS 616:2017; IEC 60065: 2014 (Clause 5.1)
17.		Identification and supply ratings	IS 616:2017; IEC 60065: 2014 (Clause 5.2)
18.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 5.3)
19.		Caution marking	IS 616:2017; IEC 60065: 2014 (Clause 5.4)
20.		Instructions	IS 616:2017; IEC 60065: 2014 (Clause 5.5, 5.5.1, 5.5.2 & 5.5.3)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
21.		Heating under normal operating conditions	IS 616:2017; IEC 60065: 2014 (Clause 7, 7.1, 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.1.5 & 7.1.6)
22.		Heat resistance of insulating material	IS 616:2017; IEC 60065: 2014 (Clause 7.2)
23.		Construction requirement with regard to the protection against electric shock	IS 616:2017; IEC 60065: 2014 (Clause 8 & 8.1)
24.		Operations by hand	IS 616:2017; IEC 60065: 2014 (Clause 8.2)
25.		Hygroscopic materials	IS 616:2017; IEC 60065: 2014 (Clause 8.3)
26.		Hygroscopic materials	IS 616:2017; IEC 60065: 2014 (Clause 8.3)
27.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.4, 8.5, 8.6 & 8.7)
28.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.8)
29.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15 & 8.16)
30.		Disconnection from the mains	IS 616:2017; IEC 60065: 2014 (Clause 8.18, 8.19 & 8.20)
31.		Test specifications of non-separable thin sheet material	IS 616:2017; IEC 60065: 2014 (Clause 8.21)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
32.		Electric shock hazard under normal operating conditions	IS 616:2017; IEC 60065: 2014 (Clause 9.9.1, 9.1.1, 9.1.1.1 & 9.1.1.3)
33.		Determination of hazardous live parts	IS 616:2017; IEC 60065: 2014 (Clause 9.1.1.2)
34.		Shafts of operating knobs, Handles, Levers and the like	IS 616:2017; IEC 60065: 2014 (Clause 9.1.2)
35.		Opening of the enclosure clause	IS 616:2017; IEC 60065: 2014 (Clause 9.1.3)
36.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.4)
37.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.5)
38.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.6)
39.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.7)
40.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.2)
41.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 10)
42.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 10.1)
43.		Surge test	IS 616:2017; IEC 60065: 2014 (Clause 10.2)
44.		Humidity test	IS 616:2017; IEC 60065: 2014 (Clause 10.3)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
45.		Humidity test	IS 616:2017; IEC 60065: 2014 (Clause 10.3)
46.		Insulation resistance	IS 616:2017; IEC 60065: 2014 (Clause 10.4, 10.4.1 & 10.4.2)
47.		Fault condition	IS 616:2017; IEC 60065: 2014 (Clause 11)
48.		Electric shock hazard	IS 616:2017; IEC 60065: 2014 (Clause 11.1)
49.		Heating test	IS 616:2017; IEC 60065: 2014 (Clause 11.2, 11.2.1, 11.2.2, 11.2.3, 11.2.4, 11.2.5, 11.2.6, 11.2.7 & 11.2.8)
50.		Mechanical strength	IS 616:2017; IEC 60065: 2014 (Clause 12)
51.		Complete apparatus	IS 616:2017; IEC 60065: 2014 (Clause 12.1)
52.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 12.1.1)
53.		Bump test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.2)
54.		Vibration test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.3)
55.		Impact test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.4)
56.		Drop test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.5)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
57.		Stress relief test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.6)
58.		Fixing of actuating elements	IS 616:2017; IEC 60065: 2014 (Clause 12.2)
59.		Remote control devices held in hand	IS 616:2017; IEC 60065: 2014 (Clause 12.3)
60.		Drawer	IS 616:2017; IEC 60065: 2014 (Clause 12.4)
61.		Antenna coaxial sockets mounted on the apparatus	IS 616:2017; IEC 60065: 2014 (Clause 12.5)
62.		Telescoping or rod antennas	IS 616:2017; IEC 60065: 2014 (Clause 12.6, 12.6.1, 12.6.2)
63.		Apparatus containing coin/Button cell batteries	IS 616:2017; IEC 60065: 2014 (Clause 12.7)
64.		General	IS 616:2017; IEC 60065: 2014 (Clause 12.7.1)
65.		Construction requirements	IS 616:2017; IEC 60065: 2014 (Clause 12.7.2)
66.		Tests	IS 616:2017; IEC 60065: 2014 (Clause 12.7.3, 12.7.3.1, 12.7.3.2, 12.7.3.3, 12.7.3.4, 12.7.3.5 & 12.7.3.6)
67.		Compliance	IS 616:2017; IEC 60065: 2014 (Clause 12.7.4)
68.		Clearance & creepage distances	IS 616:2017; IEC 60065: 2014 (Clause 13 & 13.1)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
69.		Determination of working voltage	IS 616:2017; IEC 60065: 2014 (Clause 13.2)
70.		Clearances	IS 616:2017; IEC 60065: 2014 (Clause 13.3, 13.3.1, 13.3.2 & 13.3.3)
71.		Measurement of transient voltages	IS 616:2017; IEC 60065: 2014 (Clause 13.3.4a)
72.		Measurement of transient voltages	IS 616:2017; IEC 60065: 2014 (Clause 13.3.4b)
73.		Creepage distances	IS 616:2017; IEC 60065: 2014 (Clause 13.4)
74.		Jointed insulation	IS 616:2017; IEC 60065: 2014 (Clause 13.6)
75.		Enclosed and sealed parts	IS 616:2017; IEC 60065: 2014 (Clause 13.7 & 13.8)
76.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 15)
77.		Plug & sockets	IS 616:2017; IEC 60065: 2014 (Clause 15.1, 15.1.1, 15.1.2 & 15.1.3)
78.		Provisions for protective earthing	IS 616:2017; IEC 60065: 2014 (Clause 15.2)
79.		Terminals for external flexible cords and for permanent connection to the mains	IS 616:2017; IEC 60065: 2014 (Clause 15.3, 15.3.1, 15.3.2, 15.3.3, 15.3.4, 15.3.5, 15.3.6, 15.3.7, 15.3.8 & 15.3.9)
80.		Device forming a part of the mains plug	IS 616:2017; IEC 60065: 2014 (Clause 15.4, 15.4.1, 15.4.2 & 15.4.3)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
81.		External flexible cord	IS 616:2017; IEC 60065: 2014 (Clause 16, 16.1, 16.2, 16.3, 16.4, 16.5, 16.6 & 16.7)
82.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17 & 17.1)
83.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.2)
84.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.3)
85.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.4, 17.5 & 17.6)
86.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.7, 17.8 & 17.9)
87.		Stability and mechanical hazards	IS 616:2017; IEC 60065: 2014 (Clause 19)
88.		Stability requirements	IS 616:2017; IEC 60065: 2014 (Clause 19.1)
89.		Test at 10° to the horizontal	IS 616:2017; IEC 60065: 2014 (Clause 19.2)
90.		Vertical force test	IS 616:2017; IEC 60065: 2014 (Clause 19.3)
91.		Horizontal force test	IS 616:2017; IEC 60065: 2014 (Clause 19.4)
92.		Test of edges and corners	IS 616:2017; IEC 60065: 2014 (Clause 19.5)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
93.		Mechanical strength of glass	IS 616:2017; IEC 60065: 2014 (Clause 19.6)
94.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 19.6.1)
95.		Fragmentation test	IS 616:2017; IEC 60065: 2014 (Clause 19.6.2)
96.		Wall or ceiling mounting means	IS 616:2017; IEC 60065: 2014 (Clause 19.7)
97.		Requirements & test method	IS 616:2017; IEC 60065: 2014 (Clause 19.7.1, 19.7.2 & 19.7.3)
98.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
99.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)
100.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
101.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
102.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
103.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)
104.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
105.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
106.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
107.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
108.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)
109.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
110.		Fire Enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
1.	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid (Nickel System)	General safety considerations	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5)
2.		General	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.1)
3.		Insulation & wiring	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.2)
4.		Venting	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.3)
5.		Temperature, voltage and current management	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.4)
6.		Terminal contacts	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.5)
7.		Assembly of cells into batteries	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.6)
8.		Quality plan	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.7)
9.		Type test and sample size	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 6)
10.		Specific requirements and tests	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7)
11.		Charging procedure for test purposes	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.1)
12.		Intended use	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.2)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
13.		Continuous low-rate charging (cells)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.2.1)
14.		Vibration	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.2.2)
15.		Case Stress at high ambient temperature (batteries)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.2.3)
16.		Temperature cycling	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.2.4)
17.		Reasonably foreseeable misuse	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3)
18.		Incorrect installation (cells)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.1)
19.		External short circuit	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.2)
20.		Free fall	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.3)
21.		Mechanical shock (crash hazard)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.4)
22.		Thermal abuse (cells)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.5)
23.		Crushing of cells	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.6)
24.		Low pressure	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.7)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
25.		Overcharge	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.8)
26.		Forced discharge (Cells)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.9)
27.		Information for safety	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 8)
28.		General	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 8.1)
29.		Small cell and battery safety information	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 8.2)
30.		Marking	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 9)
31.		Cell marking	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 9.1)
32.		Battery marking	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 9.2)
33.		Caution for ingestion of small cells and batteries	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 9.3)
34.		Other information	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 9.4)
35.		Packaging	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 10)
36.		General Safety Considerations	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 5)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
37.	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid (Lithium System)	General	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.1)
38.		Insulation & wiring	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.2)
39.		Venting	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.3)
40.		Temperature, voltage and current management	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.4)
41.		Terminal contacts	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.5)
42.		General	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.6.1)
43.		Design recommendation	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.6.2)
44.		Mechanical protection for cells and components of batteries	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.6.3)
45.		Quality plan	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.7)
46.		Battery safety components	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.8)
47.		Specific requirements and tests	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7)
48.		Charging procedure for test purposes	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.1)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
49.		First procedure	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.1.1)
50.		Second procedure	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.1.2)
51.		Intended use	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.2)
52.		Continuous charging at constant voltage (cells)	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.2.1)
53.		Case stress at high ambient temperature (battery)	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.2.2)
54.		Foreseeable misuse reasonably	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3)
55.		External short circuit (cell)	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3.1)
56.		External short circuit (battery)	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3.2)
57.		Free fall	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3.3)
58.		Thermal abuse (cells)	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3.4)
59.		Crush (cells)	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3.5)
60.		Over-charging of battery	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3.6)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
61.		Forced discharge (cells)	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3.7)
62.		Mechanical tests (batteries)	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3.8)
63.		Vibration	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3.8.1)
64.		Mechanical shock	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.3.8.2)
65.		Information for safety	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 8)
66.		General	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 8.1)
67.		Marking	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 9)
68.		Cell marking	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 9.1)
69.		Battery marking	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 9.2)
70.		Caution for ingestion of small cells and batteries	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 9.3)
71.		Other information	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 9.4)
72.		Packaging and transport	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 10)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
1.	Automatic Data Processing Machine, Laptop/ Notebook/ Tablet, Printers, Plotters,	Double or reinforced insulation bridged by components	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 1.5.7.3, Cl.2.4.2)
2.	Scanners, Set Top Box, Telephone answering machines, Visual Display units,	Power interface	IS 13252 (Part-1): 2010+A1:2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 1.6)
3.	Videos monitors of screen size 32" & above, Wireless Keyboards, Cash Registers,	Ac power distribution system	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 1.6.1)
4.	Copying machines/ Duplicators, Passport Reader, Mail Processing Machines/	Input test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 1.6.2)
5.	Postage Machines/ Franking machines, Power Banks for use in Portable Applications,	Voltage limit of hand-held equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 1.6.3)
6.	Smart card Reader, Mobile phones, Power Adaptors for it Equipments, USB type External	Neutral conductor	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005 +A1-2009+A2-2013 (Clause 1.6.4)
7.	Hard Disk Drives USB type External Solid-state Storage Devices (Above 256 GB Capacity),Standalone Switch Mode Power Supplies (SMPS) with Output Voltage 48 V (MAX), Digital Camera, Visual	Marking and instructions, power rating, safety instruction and marking, short duty cycle, supply voltage adjustment, power outlets on the equipment & fuse identification	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 1.7, 1.7.1, 1.7.2, 1.7.2.1, 1.7.2.2, 1.7.2.3, 1.7.2.4, 1.7.2.5, 1.7.2.6, 1.7.3, 1.7.4, 1.7.5 & 1.7.6)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
8.	Display Units, Video Monitors of screen size up to 32,CCTV Cameras/CCTV Recorders, Barcode Scanners/Iris Scanners/Optical fingerprint Scanners, USB driven Barcode reader, Smart watches, Keyboard, Automatic Teller Cash dispensing machines	Wiring terminals, controls and indicators, isolation of multiple power source, & thermostats and other regulating devices	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 1.7.7, 1.7.7.1, 1.7.7.2, 1.7.7.3,1.7.8, 1.7.8.1, 1.7.8.2, 1.7.8.3, 1.7.8.4, 1.7.9, 1.7.10)
9.		Durability	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1 2009+ A2-2013 (Clause 1.7.11)
10.		Removable parts, replaceable batteries & equipment for restricted access location	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005 +A1-2009+ A2-2013 (Clause 1.7.12, 1.7.13, & 1.7.14)
11.		Protection from hazards	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005 +A1-2009+ A2-2013 (Clause 2)
12.		Protection from electric shock and energy hazards	IS 13252 (Part-1):2010+A1:2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.1)
13.		Protection in operator access areas & access to energized parts	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.1.1 & 2.1.1.1)
14.		Battery compartments	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.1.1.2)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
15.		Access to elv wiring & access to hazards voltage circuit wiring	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.1.1.3 & 2.1.1.4)
16.		Energy hazards	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause Cl.2.1.1.5)
17.		Manual controls	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.1.1.6)
18.		Discharge of capacitors in equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.1.1.7)
19.		Energy hazards D.C. mains supply	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.1.1.8)
20.		Audio amplifier in information technology equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.1.1.9)
21.		Protection in service access areas & protection in restricted access locations	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.1.2 & 2.1.3)
22.		SELV Circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.2, 2.2.1, 2.2.2, 2.2.3, & 2.2.4)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
23.		TNV Circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.3, 2.3.1, 2.3.2, 2.3.2.1, 2.3.2.2, 2.3.2.3, 2.3.2.4, 2.3.3, 2.3.4 & 2.3.5)
24.		Limited current circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.4, 2.4.1, 2.4.2, & 2.4.3)
25.		Limited current circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.4, 2.4.1, 2.4.2, & 2.4.3)
26.		Limited power sources	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.5)
27.		Limited power sources	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.5)
28.		Provisions for earthing and bonding	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.6)
29.		Protective earthing	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.6.1)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
30.		Functional earthing	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.6.2)
31.		Protective earthing conductor and protective bonding conductor	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.6.3, 2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4, 2.6.3.5)
32.		Terminals	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.6.4)
33.		General	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.6.4.1, 2.6.4.2, 2.6.4.3)
34.		Integrity of protective earthing	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.6.5, 2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.5, 2.6.5.6, 2.6.5.7, & 2.6.5.8)
35.		Over current and earth fault protection in primary circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.7)
36.		Basic requirements	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.7.1)

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	IT Equipment		
37.		Faults not simulated in 5.3.7	IS 13252 (Part-1):2010+A1:2013 A2:2015/IEC 60950-1: 2005 +A1-2009+ A2-2013 (Clause 2.7.2)
38.		Short-circuit backup protection	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.7.3)
39.		Number and location of protective device	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.7.4)
40.		Protection by several devices	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.7.5)
41.		Warning to service person	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.7.6)
42.		Safety interlocks & general principles cl.2.8 & cl.2.8.1	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.8)
43.		Protection requirements	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.8.1)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
44.		Inadvertent reactivation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.8.3)
45.		Moving parts	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.8.5)
46.		Contact gaps	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.8.7.1)
47.		Mechanical actuators	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.8.8)
48.		Electric insulation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.9)
49.		Properties of insulating materials, humidity conditioning	IS 13252 (Part-1):2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.9.1 & 2.9.2)
50.		Grade of insulation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.9.3)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
51.		Separation from hazardous voltages	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.9.4)
52.		Clearances, creepage distance and distance through insulation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10)
53.		General	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.1)
54.		Frequency	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.1.1)
55.		Pollution degrees	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.1.2)
56.		Reduced values for functional insulation, intervening unconnected conductive parts, insulation with varying dimensions, special separation requirements, insulation in circuit generating starting pulses, & annex F	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.1.3, 2.10.1.4, 2.10.1.5, 2.10.1.6 & 2.10.1.7)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
57.		Determination of working voltage	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.2)
58.		General	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.2.1)
59.		RMS working voltage & peak working voltage	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.2.2 & 2.10.2.3)
60.		Clearances & general	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.3 & 2.10.3.1)
61.		Mains transient voltages	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.3.2)
62.		Clearances in primary circuits & clearances in secondary circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.3.3 & 2.10.3.4)
63.		Clearances in circuits having starting pulses	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.3.5)
64.		Transient from an A.C. and D.C. mains supply and transient from telecommunication network and cable distribution system	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.3.6, 2.10.3.7, 2.10.3.8)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
65.		Measurement of transient voltages	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.3.9)
66.		Creepage distances, general, material group & comparative tracking index	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.4, 2.10.4.1, 2.10.4.2)
67.		Minimum creepage distances	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.4.3)
68.		Solid insulation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.5 & 2.10.5.1)
69.		Distance through insulation, insulating compound and solid insulation, semiconductor devices, cemented joints	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.5.2, 2.10.5.3, 2.10.5.4 & 2.10.5.5)
70.		Thin sheet material, separable thin sheet material, non-separable thin sheet material, thin sheet material	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.5.6, 2.10.5.7, 2.10.5.8, 2.10.5.9, & 2.10.5.10)
71.		Insulation in wound components, wire in wound	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
		components, wire with solvent based enamel in wound component & additional insulation in wound components	A2-2013 (Clause 2.10.5.11, 2.10.5.12, 2.10.5.13, & 2.10.5.14)
72.		Construction of printed boards, uncoated printed boards, coated printed boards, insulation between conductors on same inner pand different surface of a printed board.	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.6, 2.10.6.1, 2.10.6.2, 2.10.6.3 & 2.10.6.4)
73.		Test on coated printed boards and coated components & Sample preparation and preliminary Inspection	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.8)
74.		Thermal conditioning	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.8.2)
75.		Electric strength test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.8.3)
76.		Thermal conditioning	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.9)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
77.		Test for pollution degree 1 environment and for insulating compound	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 2.10.10)
78.		Wiring, connections, and supply, general, & current rating and over current protection.	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3, 3.1, 3.1.1)
79.		Protection against mechanical damage & securing of internal wiring	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.1.2, & 3.1.3)
80.		Insulation of conductors	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.1.4)
81.		Beads and ceramic insulators	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.1.5)
82.		Screws for electrical connection, insulation material in electrical connections, self-tapping and spaced thread screw	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.1.6, 3.1.7 & 3.1.8)
83.		Termination of conductors	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.1.9)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
84.		Sleeving on wiring	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.1.10)
85.		Connection to A.C. & D.C. mains supply	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.2, 3.2.1 & 3.2.1.1, 3.2.1.2)
86.		Multiple supply connections	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.2.2)
87.		Permanently connected equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.2.3)
88.		Appliance inlets	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.2.4)
89.		A.C. & D.C. Power supply cords	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.2.5, 3.2.5.2)
90.		Cord anchorages and strain relief Test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.2.6)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
91.		Protection against mechanical damage	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 3.2.7)
92.		Cord guards	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 3.2.8)
93.		Supply wiring spaces	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 3.2.9)
94.		Wiring terminals for connection of external conductor	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 3.3)
95.		Wiring terminals, connections to non-detachable power supply cords, screw terminals	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 3.3.1, 3.3.2, 3.3.3)
96.		Conductor sizes to be connected	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 3.3.4)
97.		Wiring terminal sizes, wiring terminal design, grouping of wiring terminals & stranded wire	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 3.3.5, Cl.3.3.6, 3.3.7 & 3.3.8)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
98.		Disconnection from the mains supply, general requirements, disconnects device, permanently connected equipment, parts which remain energized, switches in flexible cords, number of poles- single phase and DC equipments, number of poles- three phase, switches as disconnect devices, plugs as disconnect devices, interconnected equipment, multiple power sources	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.4, 3.4.1, 3.4.2, 3.4.3, 3.4.4, 3.4.5, 3.4.6, 3.4.7, 3.4.8, 3.4.9, 3.4.10, 3.4.11)
99.		Interconnection of equipments, general requirements, type of interconnection circuits, ELV circuits as interconnection circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.5, 3.5.1, 3.5.2, 3.5.3)
100.		Data Ports additional equipments	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.5.4)
101.		Data Ports additional equipments	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 3.5.4)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
102.		Physical requirements, stability	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4, 4.1)
103.		Mechanical strength general, steady force test for 10N, 30N, 250N.	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.2, 4.2.1, 4.2.2, 4.2.3 & 4.2.4)
104.		Impact test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.2.5)
105.		Drop test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.2.6)
106.		Stress relief test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.2.7)
107.		Wall or ceiling mounted equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.2.10)
108.		Design & construction, edges and corner, handles and manual controls.	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.3, 4.3.1, 4.3.2)
109.		Adjustable controls, securing of parts & connection by the plug and sockets.	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.3.3, 4.3.4 & 4.3.5)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
110.		Direct plug-in equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.3.6)
111.		Protection against hazardous moving parts	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.4, 4.4.1, 4.4.2, 4.4.3, 4.4.4)
112.		Thermal requirements, general, temperature test, temperature limits for materials, touch temperature limits.	IS 13252 (Part-1): 2010+A1:2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.5, 4.5.1, 4.5.2, 4.5.3, 4.5.4)
113.		Resistance to abnormal Heat	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.5.5)
114.		Openings in enclosures	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.6,4.6.1, & 4.6.3)
115.		Openings in transportable equipment	IS 13252(Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.6.4, 4.6.4.1, 4.6.4.2, 4.6.4.3)
116.		Adhesives for constructional purposes	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 4.6.5)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
117.		Resistance to fire	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 4.7)
118.		Reducing the risk of ignition and spread of flame	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 4.7.1)
119.		Condition for a fire enclosure	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 4.7.2, 4.7.2.2)
120.		Materials & general	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 4.7.3 & 4.7.3.1)
121.		Materials for components and other parts outside fire enclosures	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 4.7.3.3)
122.		Material for components and other parts inside fire enclosure	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 4.7.3.4)
123.		Materials for air filter assemblies	IS 13252 (Reaff:2022) (Part-1): 2010+ A1:2013 A2:2015/IEC 60950-1: 2005+ A1-2009+A2-2013 (Clause 4.7.3.5)
124.		Material used in high-voltage components	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 4.7.3.6)
125.		Electrical requirements and simulated abnormal	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+

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	IT Equipment		
		conditions & touch current and protective conductor current & annex D	A2-2013 (Clause 5, & 5.1, 5.1.1, 5.1.2, 5.1.2.1.4)
126.		Electric strength test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 5.2, 5.2.1, 5.2.2)
127.		Abnormal operating and fault conditions & protection against overload and abnormal operation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 5.3, 5.3.1)
128.		Motor	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 5.3.2 & Annex B)
129.		Functional insulation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 5.3.4)
130.		Electromechanical components	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 5.3.5)
131.		Audio amplifier in information technology equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 5.3.6)
132.		Simulation of faults	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 5.3.7)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
133.		Unattended equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 5.3.8)
134.		Compliance criteria for abnormal operating and fault conditions, during the test, after the test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 5.3.9, 5.3.9.1, 5.3.9.2)
135.		Connection to telecommunication network	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 6.0)
136.		Protection of telecommunication network service persons and users of other equipment connected to the network from hazards in the equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 6.1)
137.		Protection from hazardous voltages	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 6.1.1)
138.		Separation of the telecommunication network from earth	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 6.1.2 & 6.1.2.1, 6.1.2.2)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
139.		Protection of equipment users from over voltages on telecommunication networks	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 6.2, 6.2.1, 6.2.2, 6.2.2.2 & 6.2.2.3)
140.		Impulse test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 6.2.2.1)
141.		Steady state test and compliance criteria	IS 13252 (Reaff:2022) (Part-1): 2010+A1:2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 6.2.2.2 & 6.2.2.3)
142.		Protection of the telecommunication wiring system from overheating	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 6.3)
143.		Connection to cable distribution system & general	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 7 & 7.1)
144.		Protection of cable distribution system service persons, and user of other equipment connected to the system, from hazardous voltage in the equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 7.2)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
145.		Protection of equipment users from over voltages on the cable distribution system	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 7.3)
146.		Insulation between primary circuits and cable distribution system and general	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 7.4 & 7.4.1)
147.		Voltage surge test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 7.4.2)
148.		Impulse test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 7.4.3)
149.		Test for resistance to heat and fire annex a.1 flammability test for fire enclosure of movable equipment having mass exceeding 18 kg and of stationary equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex A)
150.		Flammability test for fire enclosure of movable equipment having mass not exceeding 18 kg and for material and components located inside the fire enclosures	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex A.2)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
151.		Motor test under abnormal condition	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex B)
152.		Requirement for mounting wheels of rack mounted equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex DD)
153.		House hold and home/ office document/ media shredders	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex EE)
154.		Abrasion resistance test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.8.4)
155.		Hot flaming oil test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex A.3)
156.		Indian official language	IS 16333 (Part 3) (Clause 3.1)
157.		Third Indian language	IS 16333 (Part 3) (Clause 3.2)
158.		Requirement inbuilt capability to support the Indian official languages	IS 16333 (Part 3) (Clause 4)
159.		Tests	IS 16333 (Part 3) (Clause 5)
160.		Inputting of text	IS 16333 (Part 3) (Clause 5.1)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
161.		Message readability	IS 16333 (Part 3) (Clause 5.2)
162.		Marking	IS 16333 (Part 3) (Clause 6)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
1.	Amplifiers with input Power 2000W & above, Bluetooth speakers, Smart Speakers, Wireless microphone, Wireless Headphone and Earphone	Normal operating condition	IS 616:2017; IEC 60065: 2014 (Clause 4.2,4.2.1,4.2.2,4.2.3,4.2.4,4.2.5, 4.2.6,4.2.7,4.2.8,4.2.9,4.2.10,4.2.10.1, 4.2.10.2,4.2.11,4.2.12 & 4.2.13)
2.		Normal operating condition	IS 616:2017; IEC 60065: 2014 (Clause 4.2,4.2.1,4.2.2,4.2.3,4.2.4,4.2.5, 4.2.6,4.2.7,4.2.8,4.2.9,4.2.10,4.2.10.1, 4.2.10.2,4.2.11,4.2.12 & 4.2.13)
3.		Fault condition	IS 616:2017; IEC 60065: 2014 (Clause 4.3.2,4.3.3,4.3.4,4.3.5,4.3.6, 4.3.7,4.3.8,4.3.9,4.3.10,4.3.11,4.3.12, 4.3.13,4.3.14,4.3.15,4.3.16 & 4.3.17)
4.		Marking & instructions	IS 616:2017; IEC 60065: 2014 (Clause 5)
5.		General requirements	IS 616:2017; IEC 60065: 2014 (Clause 5.1)
6.		Identification and supply ratings	IS 616:2017; IEC 60065: 2014 (Clause 5.2)
7.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 5.3)
8.		Caution marking	IS 616:2017; IEC 60065: 2014 (Clause 5.4)
9.		Instructions	IS 616:2017; IEC 60065: 2014 (Clause 5.5, 5.5.1, 5.5.2 & 5.5.3)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
10.		Heating under normal operating conditions	IS 616:2017; IEC 60065: 2014 (Clause 7.7.1, 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.1.5 & 7.1.6)
11.		Heat resistance of insulating material	IS 616:2017; IEC 60065: 2014 (Clause 7.2)
12.		Construction requirement with regard to the protection against electric shock	IS 616:2017; IEC 60065: 2014 (Clause 8 & 8.1)
13.		Operations by hand	IS 616:2017; IEC 60065: 2014 (Clause 8.2)
14.		Hygroscopic materials	IS 616:2017; IEC 60065: 2014 (Clause 8.3)
15.		Hygroscopic materials	IS 616:2017; IEC 60065: 2014 (Clause 8.3)
16.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.4, 8.5, 8.6 & 8.7)
17.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.8)
18.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15 & 8.16)
19.		Disconnection from the mains	IS 616:2017; IEC 60065: 2014 (Clause 8.18, 8.19 & 8.20)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
20.		Test specifications of non-separable thin sheet material	IS 616:2017; IEC 60065: 2014 (Clause 8.21)
21.		Electric shock hazard under normal operating conditions	IS 616:2017; IEC 60065: 2014 (Clause 9, 9.1, 9.1.1, 9.1.1.1 & 9.1.1.3)
22.		Determination of hazardous live parts	IS 616:2017; IEC 60065: 2014 (Clause 9.1.1.2)
23.		Shafts of operating knobs, handles, levers and the like	IS 616:2017; IEC 60065: 2014 (Clause 9.1.2)
24.		Opening of the enclosure clause	IS 616:2017; IEC 60065: 2014 (Clause 9.1.3)
25.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.4)
26.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.5)
27.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.6)
28.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.7)
29.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.2)
30.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 10)
31.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 10.1)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
32.		Surge test	IS 616:2017; IEC 60065: 2014 (Clause 10.2)
33.		Humidity test	IS 616:2017; IEC 60065: 2014 (Clause 10.3)
34.		Humidity test	IS 616:2017; IEC 60065: 2014 (Clause 10.3)
35.		Insulation resistance	IS 616:2017; IEC 60065: 2014 (Clause 10.4, 10.4.1 & 10.4.2)
36.		Fault condition	IS 616:2017; IEC 60065: 2014 (Clause 11)
37.		Electric shock hazard	IS 616:2017; IEC 60065: 2014 (Clause 11.1)
38.		Heating test	IS 616:2017; IEC 60065: 2014 (Clause 11.2, 11.2.1, 11.2.2, 11.2.3, 11.2.4, 11.2.5, 11.2.6, 11.2.7 & 11.2.8)
39.		Mechanical strength	IS 616:2017; IEC 60065: 2014 (Clause 12)
40.		Complete apparatus	IS 616:2017; IEC 60065: 2014 (Clause 12.1)
41.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 12.1.1)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
42.		Bump test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.2)
43.		Vibration test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.3)
44.		Impact test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.4)
45.		Drop test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.5)
46.		Stress relief test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.6)
47.		Fixing of actuating elements	IS 616:2017; IEC 60065: 2014 (Clause 12.2)
48.		Remote control devices held in hand	IS 616:2017; IEC 60065: 2014 (Clause 12.3)
49.		Drawer	IS 616:2017; IEC 60065: 2014 (Clause 12.4)
50.		Antenna coaxial sockets mounted on the apparatus	IS 616:2017; IEC 60065: 2014 (Clause 12.5)
51.		Telescoping or rod antennas	IS 616:2017; IEC 60065: 2014 (Clause 12.6, 12.6.1, 12.6.2)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
52.		Apparatus containing coin/button cell batteries	IS 616:2017; IEC 60065: 2014 (Clause 12.7)
53.		General	IS 616:2017; IEC 60065: 2014 (Clause 12.7.1)
54.		Construction requirements	IS 616:2017; IEC 60065: 2014 (Clause 12.7.2)
55.		Tests	IS 616:2017; IEC 60065: 2014 (Clause 12.7.3, 12.7.3.1, 12.7.3.2, 12.7.3.3, 12.7.3.4, 12.7.3.5 & 12.7.3.6)
56.		Compliance	IS 616:2017; IEC 60065: 2014 (Clause 12.7.4)
57.		Clearance & creepage distances	IS 616:2017; IEC 60065: 2014 (Clause 13 & 13.1)
58.		Determination of working voltage	IS 616:2017; IEC 60065: 2014 (Clause 13.2)
59.		Clearances	IS 616:2017; IEC 60065: 2014 (Clause 13.3, 13.3.1, 13.3.2 & 13.3.3)
60.		Measurement of transient voltages	IS 616:2017; IEC 60065: 2014 (Clause 13.3.4a)
61.		Measurement of transient voltages	IS 616:2017; IEC 60065: 2014 (Clause 13.3.4b)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
62.		Creepage distances	IS 616:2017; IEC 60065: 2014 (Clause 13.4)
63.		Jointed insulation	IS 616:2017; IEC 60065: 2014 (Clause 13.6)
64.		Enclosed and sealed parts	IS 616:2017; IEC 60065: 2014 (Clause 13.7 & 13.8)
65.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 15)
66.		Plug & sockets	IS 616:2017; IEC 60065: 2014 (Clause 15.1, 15.1.1, 15.1.2 & 15.1.3)
67.		Provisions for protective earthing	IS 616:2017; IEC 60065: 2014 (Clause 15.2)
68.		Terminals for external flexible cords and for permanent connection to the mains	IS 616:2017; IEC 60065: 2014 (Clause 15.3, 15.3.1, 15.3.2, 15.3.3, 15.3.4, 15.3.5, 15.3.6, 15.3.7, 15.3.8 & 15.3.9)
69.		Device forming a part of the mains plug	IS 616:2017; IEC 60065: 2014 (Clause 15.4, 15.4.1, 15.4.2 & 15.4.3)
70.		External flexible cord	IS 616:2017; IEC 60065: 2014 (Clause 16, 16.1, 16.2, 16.3, 16.4, 16.5, 16.6 & 16.7)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
71.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17 & 17.1)
72.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.2)
73.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.3)
74.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.4, 17.5 & 17.6)
75.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.7, 17.8 & 17.9)
76.		Stability and mechanical hazards	IS 616:2017; IEC 60065: 2014 (Clause 19)
77.		Stability requirements	IS 616:2017; IEC 60065: 2014 (Clause 19.1)
78.		Test at 10° to the horizontal	IS 616:2017; IEC 60065: 2014 (Clause 19.2)
79.		Vertical force test	IS 616:2017; IEC 60065: 2014 (Clause 19.3)
80.		Horizontal force test	IS 616:2017; IEC 60065: 2014 (Clause 19.4)
81.		Test of edges and corners	IS 616:2017; IEC 60065: 2014 (Clause 19.5)
82.		Mechanical strength of glass	IS 616:2017; IEC 60065: 2014 (Clause 19.6)

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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
83.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 19.6.1)
84.		Fragmentation test	IS 616:2017; IEC 60065: 2014 (Clause 19.6.2)
85.		Wall or ceiling mounting means	IS 616:2017; IEC 60065: 2014 (Clause 19.7)
86.		Requirements & test method	IS 616:2017; IEC 60065: 2014 (Clause 19.7.1, 19.7.2 & 19.7.3)
87.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
88.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)
89.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
90.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
91.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
92.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
93.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
94.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
95.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
96.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
97.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)
98.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
99.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)

