

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Aaditech Test and Calibration Lab LLP

Plot No.-5, Block- R, Kh. No. 38/16, Street No. 4,
Rama Vihar, Village Karala,
New Delhi-110081, 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/2023/0017

(Date of first Accreditation: 24 July 2023-23 July 2025)

Valid from: 24 July 2025

Valid until: 23 July 2027

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: www.qai.org.in



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*Scope Amended w.e.f.: 09 December 2025

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Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
1.	Elastomer insulated Cables for working voltages up to and including 1100 V	Ageing in air bomb- Tensile Strength	IS 9968 (Part-1) (Cl. 21.1(b):1988, IS 6380 (Cl. 4.1(Table-2,3)1984, IS 10810 (Part-56): 1987
2.		Ageing in air bomb- Elongation at break	IS 9968 (Part-1) (Cl. 21.1(b):1988, IS 6380 (Cl. 4.1(Table-2,3)1984, IS 10810 (Part-56): 1987
3.		Ageing in air oven- Elongation at break	IS 9968(Pt-1) (Cl. 21.1(b):1988, IS 6380 (Cl. 4.1(Table-2,3) 1984, IS 10810 (Part-11): 1984
4.		Ageing in air oven- Tensile strength	IS 9968(Pt-1) (Cl. 21.1(b):1988, IS 6380 (Cl.4.1 (Table-2,3) 1984, IS 10810 (Part-11): 1984
5.		Ageing in oxygen bomb- Elongation at break	IS 9968(Pt-1) (Cl. 21.1(d) :1988, IS 6380 (Cl.4.1(Table-2,3) 1984, IS 10810 (Part-16): 1984
6.		Annealing test for Copper Conductor	IS 9968(Pt-1) (Cl. 21.1 & Cl.3):1988, IS 8130 (Cl. 7.1.2.1,7.2.3), IS10810 (Part- 2): 1984
7.		Conductor resistance	IS 9968(Pt-1) (Cl. 21.1(d) :1988, IS 6380 (Cl. 4.1 (Table- 2,3)1984, IS 10810 (Part-5):1984
8.		Cord Flexing test	IS 9968(Pt-1) (Cl. 21.4 22.4): 1988

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
9.	Elastomer insulated Cables for working voltages up to and including 1100 V	Elongation at break of insulation / sheath	IS 9968(Pt-1) (Cl. 21.1(a):1988, IS 6380 (Cl.4.1) (Table-2,3)1984, IS 10810 (Part-7): 1984
10.		Flammability test	IS 9968(Pt-1) (Cl.21.1 & Cl. 22.3) :1988 IS 10810 (Part- 53): 1984
11.		High voltage Test (Water Immersion)	IS 9968(Pt-1) (Cl. 21.1 & Cl. 22.2) :1988 IS 10810 (Part-45): 1984
12.		Hot Set Test	IS 9968(Pt-1) (Cl. 21.1(e) & Cl. 4.1(Table-1) 1988, IS 10810(Part-30): 1984
13.		Insulation resistance	IS 9968(Pt-1) (Cl. 21.1) :1988 IS 6380 (Cl. 4.1(Table-2), IS 10810 (Part-43): 1984
14.		Oil resistance- Elongation	IS 9968(Pt-1) (Cl. 21.1(f) :1988, IS 6380 (Cl. 4.1(Table-2,3) 1984, IS 10810 (Part-31): 1984
15.		Oil resistance Tensile Strength	IS 9968(Pt-1) (Cl. 21.1(f) :1988, IS 6380 (Cl.4.1(Table-2,3) 1984, IS 10810 (Part.31): 1984
16.		Persulphate test (for tinned Copper Conductor)	IS 9968(Pt-1) (Cl. 21.1 & Cl.3):1988, IS 8130 (Cl. 7.1.1) IS 10810(Part-4): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
17.	Elastomer insulated Cables for working voltages up to and including 1100 V	Tensile strength for Aluminium Conductor	IS 9968(Pt-1) (Cl. 21.1, Cl.3):1988, IS 8130 (Cl.7.2.1a&b), IS 10810 (Part-2): 1984
18.		Tensile strength of insulation / sheath	IS 9968(Pt-1) Cl. 21.1(a) :1988, IS 6380 (Cl.4.1) (Table-2,3)1984, IS 10810 (Part-7): 1984
19.		Thickness of Insulation and Sheath and Overall dimensions	IS 9968(Pt-1) (Cl.21.1, & Cl.12,19) (Table-1 to 10) :1988, IS 10810 (Part-6):1984
20.		Water absorption test (Electrical)	IS 9968(Pt-1) (Cl. 21.1) 1988, IS 6380 (Cl. 4.1) (Table-2) :1984, IS 10810 (Part-28):1984
21.		Wrapping test for Aluminium Conductor	IS 9968(Pt-1) (Cl. 21.1, Cl.3) :1988, IS 8130 (Cl.7.2.2)2013, IS10810(Part-3): 1984
22.		Tear resistance	IS 9968(Pt-1) (Cl. 21.1(g) :1988, IS 6380 (Cl.4.1) (Table-3)1984, IS 10810 (Part-17): 1984
23.		Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for Rated	Additional ageing test (for OU cable only)
24.	Ageing in air oven- Elongation		IS 694 (Table-1, i).c. d),3) (Cl. 5.4.8.4):2010, IS 5831(Table-1) 1984, IS 10810 (Part-11): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
	Voltages Up to and Including 1100 V		
25.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for Rated Voltages Up to and Including 1100 V	Ageing in air oven- Tensile Strength	IS 694 (Table-1, i).c).d),3) (Cl. 5.4,8.4):2010,IS 5831 (Table-1) 1984 ,IS 10810 (Part-11): 1984
26.		Loss of Mass	IS 694 Table-1) C 2 IS 10810 (Part 10): 1984, IS 5831 (Table -1) V:1984
27.		Annealing test for Copper Conductor	IS 694 (Table-1, i). a).1) (Cl. 4.1):2010, IS 8130 (Cl. 7.1.2.1,7.2.3) 2013, IS 10810 (Part-1): 1984
28.		Cold Bend Test	IS 694 (Table-1, i).c).d),8),12) (Cl.5.4,8.4):2010 ,IS 5831 (Table-1)1984 ,IS 10810 (Part-20): 1984
29.		Cold Impact Test	IS 694 (Table-1, i).c).d),13),9) (Cl. 5.4,8.4):2010,IS 5831 (Table-1)1984,IS 10810 (Part-21): 1984
30.		Conductor resistance	IS 694 (Table-1, i).a).4) (Cl.4.2):2010,IS 8130 (Cl. 7.3)2013, IS 10810 (Part-5): 1984
31.		Elongation at break of insulation /sheath	IS 694 (Table 1 i).c).d).1) (Cl.5.4,8.4):2010, IS 5831 (Table-1)2013,IS IS 10810 (Part-7): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
32.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for Rated Voltages Up to and Including 1100 V	Flammability test	IS 694 (Table-1, i).c).10) (Cl.10.4):2010, IS 10810 (Part-53: 1984
33.		Halogen Acid Gas	IS 694 (Table-1, i).c).d).10),13) (Cl. 10.6):2010, IS 10810 (Part-59): 1988
34.		Heat shock test	IS 694 (Table-1, i).d).5),6) (Cl. 8.4):2010 IS 5831 (Table 1)1984, IS 10810(Part-14): 1984
35.		High voltage Test (AC) Water immersion	IS 694 (Table-1, i).e).1),3) (Cl. 10.1):2010 ,IS 10810 (Part-45): 1984
36.		High voltage Test (AC) Room Temperature	IS 694 (Table-1, i).e).1),3) (Cl. 10.2):2010 ,IS 10810 (Part-45): 1984
37.		High voltage Test (DC) Water immersion	IS 694 (Table-1, i).e).1)3) (Cl. 10.1):2010 ,IS 10810 (Part-45): 1984
38.		Hot Deformation Test	IS 694 (Table-1, i).c).d).6) (Cl. 5.4,8.4):2010, IS 5831 (Table- 1,2)1984 ,IS 10810 (Part 15): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
39.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for Rated Voltages Up to and Including 1100 V	Insulation resistance	IS 694 (Table-1, i).e).2) (Cl.5.4, 8.4):2010,IS 5831 (Table-1): 1984 ,IS 10810 (Part-43): 1984
40.		Overall dimensions and Thickness of Insulation/ Sheath	IS 694 (Table-1, i).b)(Cl. 5.3, 8.3, 9,16.1.2,16.1.3, 17.1.2, 17.1.3,18.1.2, 18.1.4, 18.1.5, 18.1.6,19.1.3,19.1.5,19.1.6,19.1.7,2 0.1.2, 20.1.4, 20.1.5, 21.1.2, 22.1.2, 22.1.4), (table-3, 4, 5, 6,7,9, 10):2010 IS10810 (Part-6): 1984
41.		Oxygen Index Test	IS 694 (Table-1, i).c).d),8),11) (Cl. 10.5):2010, IS 10810 (Part-58): 1998
42.		Oxygen Index Test	IS 694 (Table-1, i).c).d),8),11) (Cl.10.5):2010 ASTM D 2863-09: 1995
43.		Persulphate test (for tinned Copper Conductor)	IS 694 (Table-1, i).a).5) (Cl.10.11):2010,IS 8130 (Cl.7.1.1) 2013,IS 10810 (Part-4): 1984
44.		Shrinkage test	IS 694 (Table-1, i).c).d),4) (Cl..4,8.4):2010,IS 5831 (Table-1) 1984 ,IS 10810 (Pt12): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
45.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for Rated Voltages Up to and Including 1100 V	Smoke Density	IS 694 (Table-1, i).c).d).11),14) (Cl.10.8):2010 ,IS 13360 (Part 6/sec 9): 2001
46.		Smoke Density	IS 694 (Table-1, i).c).d).11),14) (Cl.10.8):2010 ,ASTMD 2843: 1999
47.		Temperature Index Test	IS 694 (Table-1, i).c).d).9),12) (Cl. 10.7):2010,IS 10810 (Part -64): 2003
48.		Temperature Index Test	IS 694 (Table-1, i).c).d).9),12) (Cl.10.7):2010 ,ASTM D 2863- 09: 1995
49.		Tensile strength for Aluminium Conductor	IS 694 (Table-1, i).a).4) (Cl.4.2):201 ,IS 8130 (Cl. 7.3): 2013 ,IS 10810(Part-5): 1984
50.		Tensile strength of insulation / sheath	IS 694 (Table-1, i).c).d).1) (Cl. 5.4,8.4):2010,IS 5831 (Table-1): 1984,IS 10810 (Part-7): 1984
51.		Thermal Stability	IS 694 (Table-1, i).c).d).7) (Cl. 5.4,8.4):2010,IS 5831 (Table-1) 1984 ,IS 10810 (Part-60): 1988

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Cables and Wires			
52.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for Rated Voltages Up to and Including 1100 V	Volume Resistivity	IS 694 (Table-1, i).e).2)(Cl.5.4,8.4):2010 IS 5831 (Table-1): 1984 ,IS 10810 (Part-43): 1984	
53.		Wrapping test for Aluminium Conductor	IS 694 (Table-1, i).a).3) (Cl.4.1)2010, IS 8130 (Cl. 7.2.2)2013,IS 10810 (Part-3): 1984	
54.		Copper Purity	IS 191: 2007, IS 440:1964	
55.		PVC Insulated Cable upto 1100 volts	Lead Test	IS 191: 2007, IS 440:1964
56.			Oxygen Test	IS 191: 2007, IS 440:1964
57.			Bismuth Test	IS 191: 2007, IS 440:1964
58.			Ageing in air oven- Elongation	IS 7098 (Part-1) (Cl. 15.1(d),(e)- i& Cl.4.1, (table-1,2) 1988, IS 10810 (Part-11): 1984
59.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	Ageing in air oven- Tensile Strength	IS 7098 (Part-1) (Cl. 15.1(d),(e)- I & Cl.4.1,(table-1,2) 1988, IS 10810 (Part-11): 1984	
60.		Annealing test for Copper Conductor	IS 7098 (Part-1) (Cl. 15.1(a)-i) 1988 ,IS 8130 (Cl. 7.1.2.1, 7.2.3)2013, IS 10810 (Part-1): 1984	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
61.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	Armour Resistance Test	IS 7098 (Part-1) (Cl.15.1(b) & Cl.13.6(g) 1988 ,IS 3975 (Cl. 8.4)1999,IS 10810 (Part- 42): 1984
62.		Cold Bend Test	IS 7098 (Part-1)(Cl.15.4(a) 1988,IS 5831 (Cl. 4.1,(Table-2) 1984,IS 10810 (Part-20): 1984
63.		Cold Impact Test	IS 7098 (Part-1) (Cl. 15.4(b) of IS 5831 (Cl. 4.1 ,(Table-2),IS 10810 (Part-21): 1984
64.		Conductor resistance	IS 7098 (Part-1) (Cl. 15.1(a)- iv) 1988 ,IS 8130 (Cl.7.3(Table-1,2) 201IS 10810 (Part-5): 1984
65.		Dimension for armouring material	IS 7098 (Part-1) (Cl.15.1(b) Cl.13.6(a),(b) IS 3975 (Cl.7) 1988, IS 10810 (Part-36): 1984,IS 10810 (Part-36): 1984
66.		Elongation at break of armouring material	IS 7098 (Part-1) (Cl. 15.1(b) Cl.13.6(a),(b) 1988,IS 10810 (Part-37):1984
67.		Elongation at break of insulation & sheath	IS 7098 (Part-1) (Cl. 15.1(d),(e)-i Cl.4.1 (table-1,2) 1988 IS 10810 (Part-7): 1984

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	Cables and Wires		
68.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	Flame retardance test on bunched cables	IS 7098 (Part-1) (Cl.15.1.1(C1)-c Cl.16.6) 1988, IS 10810(Part -62): 1993
69.		Flame Retardance Test on Single Cable	IS 7098 (Part-1) (Cl. 15.1.1(C1)-b, Cl.16.5) 1988, IS 10810 (Pt61):1988
70.		Flammability test	IS 10810 (Part-53): 1984
71.		Halogen Acid Gas	IS 7098 (Part-1) (Cl. 15.1.1(C2)-& Cl.16.13, 16.8) , 1988, IS 10810 (Part-59) 1988, IS 7098 (Part-1) (Cl.15.1.1(C2)-&Cl.16.13, 16.8) , 1988, IS 10810 (Part-59) 1988
72.		Heat shock test	IS 7098 (Part-1) (Cl. 15.1(e)-vi 1988, IS 5831(Cl.4.1(Table-2) 1984, IS 10810 (Part-14): 1984
73.		High voltage Test	IS 7098 (Part-1) (Cl. 15.1(g) & Cl. 16.2) 1988, IS 10810 (Part-45): 1984
74.		Hot deformation test	IS 7098 (Part-1) (Cl. 15.1(e)-v1988, IS 5831 (Cl. 4.1) (Table 2) 1984, IS 10810 (Part-15): 1984
75.		Insulation resistance (Volume Resistivity)	IS 7098 (Part-1) (Cl.15.1(f) Cl.4.1 (table- 1)1988, IS 10810 (Part-43): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
76.	Crosslinked polyethylene insulated PVC sheathed cable's part 1 for working voltages up to and including 1100 volts	Loss of mass test	IS 7098 (Part-1)(Cl. 15.1(e)-I IS 5831 (Cl. 4.1) (Table- 2),IS 10810 (Part-10): 1984
77.		Mass of Zinc coating	IS 7098 (Part-1) (Cl. 15.1(b) Cl.13.6 (f) 1988,IS3975 (Cl.9.1)1999,IS 10810 (Part-41): 1984
78.		Oxygen Index Test	IS 7098 (Part-1)(Cl.15.1.1(C1)-a Cl.16.4)1988,IS 10810 (Part-58): 1998
79.		Oxygen Index Test	IS 7098 (Part-1) (Cl.15.1.1(C1)-a & Cl.16.4)1988, ASTM D 2863-9: 1995
80.		Resistivity & Conductance test of Armour (Wires/strips)	IS 7098 (Part-1) (Cl.15.1(b) & Cl.13.6(g)1988,IS 3975 (Cl.8.4) 1999,IS 10810 (Part- 42): 1984
81.		Shrinkage test	IS 7098 (Part-1) (Cl.15.1(d),(e)-iv,vi&Cl.4.1(Table-1,2) 1988, IS 10810(Part-12): 1984
82.		Smoke Density	IS 7098 (Part-1) (Cl.15.1.1(C2)-e Cl.16.10)1988, ASTM D 2843: 1999
83.		Temperature Index Test	IS 7098 (Part-1) (Cl.15.1.1(C2)-g Cl.16.9)1988,IS 10810 (Part-64): 2003

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	Cables and Wires		
84.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	Temperature Index Test	IS 7098 (Part-1) (Cl. 15.1.1(C2)-g Cl.16.9)1988,ASTM D 2863-09: 1995
85.		Tensile strength for Aluminium Conductor	IS 7098 (Part-1) (Cl. 15.1(a)- i) 1988,IS 8130(Cl.7.2.1)2013,IS 10810(Part-2): 1984
86.		Tensile strength of armouring material	IS 7098 (Part-1) (Cl. 15.1(b) Cl.13.6(a), (b)1988,IS 10810 (Part-37):1984
87.		Tensile strength of insulation & sheath	IS 7098 (Part-1) (Cl. 15.1(d),(e)- i)1988,IS 5831(Cl.4.1(table-1,2)1984,IS 10810 (Part-7): 1984
88.		Thermal Stability	IS 7098 (Part-1) (Cl. 15.1(e)-vi 1988,IS 5831 (Cl.4.1(Table-2) 1984,IS 10810(Part-60): 1988
89.		Thickness of Insulation & Sheath	IS 7098 (Part-1) (Cl.15.1(C) & Cl.9.2,12.3, 14.3.1)(Table-3,5,8)1988, IS 10810 (Part-6): 1984
90.		Torsion test on Galvanized steel wire for armouring	IS 7098 (Part-1) (Cl. 15.1(b) Cl. 13.6(c) 1988, IS 3975(Cl.8.2 of Table 6) ,IS 1999, IS 10810 (Part-38):1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
91.		Uniformity of Zinc coating	IS 7098 (Part-1) (Cl.15.1(b) & Cl.13.6(e)1988, IS 3975 (Cl.9.2) 1999, IS 10810 (Part- 40): 1984
92.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	Water Absorption (Gravimetric)	IS 7098 (Part-1) (Cl.15.1(d)-v & Cl.4.1(Table-1) 1988, IS 10810 (Part-33): 1984
93.		Winding test on Galvanized steel strips for armouring	IS 7098 (Part-1) (Cl. 15.1(b) & Cl. 13.6(d) 1988, IS 10810 (Part-39):1984
94.		Wrapping test for Aluminium Conductor	IS 7098 (Part-1) (Cl. 15.1(a)- i)1988 ,IS 8130(Cl.7.2.2) 2013 ,IS 10810 (Part-3): 1984
95.		Ageing in air oven Elongation insulation & sheath	IS 1554 (Part-1) (Cl. 15.1(d)-2 1988, IS 5831(Cl. 4.1 (table-1,2)1984 IS10810 (Part-11): 1984
96.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Ageing in air oven Tensile strength insulation & sheath	IS 1554(Part-1) (Cl. 15.1(d)-21988, IS 5831 (Cl.4.1(table1,2)1984, IS 10810 (Part-11): 1984
97.		Annealing test for Copper Conductor	IS 1554 (Part-1) (Cl. 15.1(a)-1):1988 ,IS8130 (Cl.7.1.2.1)2013, IS10810 (Part-1): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
98.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Armour Resistance Test	IS 1554 (Part-1) (Cl. 15.1(b) & 13.6 (g) 1988, IS 3975 (Cl. 8.4) 1999, IS 10810 (Part-42): 1984
99.		Cold Bend Test	IS 1554 (Part-1) (Cl. 15.4(a) 1988, IS 5831 (Cl. 4.1) (Table-1,2) 1984 IS 10810 (Part-20): 1984
100.		Cold Impact Test	IS 1554 (Part-1) (Cl. 15.4(b) 1988, IS 5831 (Cl. 4.1) (Table-1,2) 1984, IS 10810 (Part-21): 1984
101.		Conductor resistance	IS 1554 (Part-1) (Cl. 15.1(a)-4) 1988, IS 8130 (Cl. 7.3) (Table-1,2) 2013 IS 10810 (Part-5): 1984
102.		Dimension for armouring material	IS 1554 (Part-1) (Cl. 15.1 b) 1988, IS 3975 (Cl. 7 of Table 3&4): 1999, IS 10810 (Part-36): 1984
103.		Elongation at break of armouring material	IS 1554 (Part-1) (Cl. 15.1(b) & Cl. 13.6(a), (b): 1988, IS 10810 (Part-37): 1984
104.		Elongation at break of insulation & sheath	IS 1554 (Part-1) (Cl. 15.1(d)-1) 1988, IS 5831 (Cl. 4.1) (table-1,2) 1984, IS 10810 (Part-7): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
105.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Flame retardance test on bunched cables	IS 1554 (Part-1) (Cl. 15.1.1 (C1)& Cl.16.7)1988,IS 10810 (Part - 62):1984
106.		Flame retardance test on bunched cables	IS 1554 (Part-1) (Cl.15.1.1 (C1) & Cl. 16.7)1988
107.		Flame Retardance Test on Single Cable	IS 1554 (Part-1) (Cl.15.1.1 (C1) & (Cl.16.7) IS 10810 (Part -62): 1984
108.		Flammability test	IS 1554 (Part-1) (Cl. 15.1(h) & 16.4)1988,IS10810 (Part-53): 1984
109.		Halogen Acid Gas	IS 1554 (Part-1) (Cl.15.1.1 (C2) & Cl.16.9)1988, IS 10810 (Part-59): 1988
110.		Heat shock test	IS 1554 (Part-1) (Cl. 15.1(d)-6 1988, IS 5831 (Cl.4.1(Table-1,2)1984, IS10810 (Part-14): 1984
111.		High voltage Test (AC) water immersion	IS 1554 (Part-1) (Cl.15.1(f) & 16.3 1988,IS10810 (Part 45):1984
112.		High voltage Test (AC) Room Temperature	IS 1554 (Part-1) (Cl.15.1(f) & 16.2 1988,IS10810 (Part 45):1984
113.		High voltage Test (DC) Water Immersion	IS 1554 (Part-1) Cl. 15.1(f) & 16.3:1988, IS10810 (Part-45): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
114.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Hot deformation test	IS 1554 (Part-1) (Cl. 15.1(d)-4 1988, IS5831 (Cl. 4.1(Table1,2):1984,IS 10810(Part-15): 1984
115.		Insulation resistance constant	IS 1554 (Part-1) (Cl. 15.1(e) 1988 IS 5831(Cl.4.1 (table1) 1984,IS 10810 (Part-43): 1984
116.		Loss of mass test	IS 1554 (Part-1) (Cl. 15.1(d)-5 ,IS 5831 (Cl.4.1 (table-1,2), IS 10810 (Part-10): 1984
117.		Mass of Zinc coating	IS 1554 (Part-1) (Cl. 15.1(b) & 13.6(f) 1988,IS 3975 (Cl.9.1):1999, IS10810 (Part-41): 1984
118.		Oxygen Index Test	IS 1554 (Part-1) (Cl.15.1.1 (C1,C2) &Cl.16.5:1988, IS 10810 (Part-58): 1998
119.		Oxygen Index Test	IS 1554 (Part-1) (Cl.15.1.1 (C1,C2) & (Cl. 16.5) 1988 ASTM D2863-09: 1995
120.		Resistivity & Conductance test of Armour (Wires/strips)	IS 1554 (Part-1) (Cl. 15.1(b) & 13.6(g) 1988,IS3975 (Cl. 8.4):1999, IS10810 (Part-42): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
121.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Shrinkage test of Insulation & Sheath	IS 1554 (Part-1)(Cl.15.1(d)-3 1988 ,IS 5831(Cl. 4.1 (Table-1,2)1984,IS10810 (Part-12): 1984
122.		Smoke Density	IS 1554 (Part-1) (Cl.15.1.1 (C2) 1988,IS 10810(Part-63):1993
123.		Temperature Index Test	IS 1554 (Part-1) (Cl.15.1.1 (C1,C2) & Cl.16.10) 1988 IS 10810 (Part -64): 2003
124.		Temperature Index Test	IS 1554 (Part-1) (Cl.15.1.1 (C1,C2) &Cl.16.10) 1988 ASTM D2863-09: 1995
125.		Tensile strength & insulation & sheath	IS 1554 (Part-1)(Cl.15.1(d)-1:1988, IS 5831(Cl. 4.1(table-1,2) 1984,IS 10810 (Part-7): 1984
126.		Tensile strength for Aluminium Conductor	IS 1554 (Part-1) (Cl. 15.1(a)-2):1988 , IS10810 (Part-2): 1984
127.		Tensile strength of armouring material	IS 1554 (Part- 1) (Cl. 15.1(b) Cl.13.6(a),(b): 1988,IS 10810 (Part-37): 1984
128.		Thermal Stability	IS 1554 (Part-1) (Cl. 15.1(d)-71988,IS 5831 (Cl.4.1(Table-1,2) 1984,IS 10810 (Pat-60): 1988

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
129.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Thickness of Insulation & Sheath	IS 1554 (Part-1) (Cl. 15.1(C) & Cl. 9.2,9.3, 12.3, 14.4.1,(Table-2,4,7) 1988,IS 10810 (Part-6): 1984
130.		Torsion test on Galvanized steel wire for armouring	IS 1554 (Part-1) (Cl. 15.1(b) & 13.6(c):1988 ,IS 3975 (Cl.8.2of Table 6):1999 ,IS10810 (Part-38): 1984
131.		Uniformity of Zinc coating	IS 1554 (Part-1) (Cl. 15.1(b) & 13.6(e) 1988,IS 3975 (Cl. 9.2): 1999,IS10810 (Part-40): 1984
132.		Volume Resistivity	IS 1554 (Part-1) (Cl. 15.1(e) 1988 IS 5831(Cl. 4.1(table1) 1984, IS 10810 (Part-43): 1984
133.		Winding test on Galvanized steel strips for armouring	IS 1554 (Part-1) (Cl. 15.1(b) & 13.6 (d) :1988, IS 10810 (Part-39): 1984
134.		Wrapping test for Aluminium Conductor	IS 1554 (Part-1) (Cl.15.1(a)-3):1988 ,IS 8130 (Cl.7.2.2) 2003, IS10810 (Part 3): 1984
135.	Welding Cables	Ageing in air bomb- Elongation at break	IS 9857 (Cl.10.1.c.3):1990 , IS 6380 (Cl.4.1)(Table-2,3)1984, IS 10810(Part- 56): 1987

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
136.	Welding Cables	Ageing in air bomb- Tensile strength	IS 9857 (Cl. 10.1.c.3):1990 , IS 6380 (Cl.4.1)(Table-2,3)1984 , IS 10810 (Part 56): 1987
137.		Ageing in air oven- Elongation at break	IS 9857 (Cl. 10.1.c.2):1990 ,IS 6380 (Cl. 4.1)(Table-2,3) 1984, IS 10810 (Part-11): 1984
138.		Ageing in air oven- Tensile strength	IS 9857 (Cl. 10.1.c.2):1990 ,IS 6380 (Cl. 4)(Table- 2,3) 1984 , IS 10810 (Part-11): 1984
139.		Annealing test	IS 9857 (Cl. 10.1.a.1 & Cl.7):1990,IS 8130(Cl.7.1.2, 7.2.3) 2003 ,IS 10810(Part-1): 1984
140.		Conductor resistance	IS 9857 (Cl. 10.1.a.2):1990,IS 8130 (Cl. 7.3)(Table-3,4,5) 2003 IS 10810 (Part-5): 1984
141.		Elongation at break	IS 9857 (Cl. 10.1.c.1):1990,IS 6380 (Cl. 4.(Table-2)1984,IS 10810 (Part-7): 1984
142.		Flammability test	IS 9857 (Cl. 10.1.f & Cl. 11.4):1990 IS10810 (Part-53): 1984
143.		High voltage Test (Water Immersion)	IS 9857 (Cl. 10.1.d & Cl.11.1) 1990,IS 10810 (Part-45): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
144.	Welding Cables	Hot Set Test	IS 9857 (Cl. 10.1.c.5):1990 ,IS 6380 (Cl. 4.1(Table-3) 1984 , IS 10810 (Part-30): 1984
145.		Oil resistance- Elongation at break	IS 9857 (Cl.10.1.c.4):1990, IS 6380 (Cl. 4.1)(Table-2)1984, IS 10810 (Part-31): 1984
146.		Oil resistance- Tensile strength	IS 9857 (Cl.10.1.c.4):1990 ,IS 6380 (Cl.4.1) (Table-2) 1984,IS 10810 (Part-31): 1984
147.		Static flexibility test	IS 9857 (Cl. 10.1.e, Cl.11.3):1990 ,IS 10810(Part-54): 1984
148.		Tensile strength	IS 9857 (Cl. 10.1.c.1):1990 ,IS 6380 (Cl.4.1(Table-2) 1984 ,IS10810(Part-7): 1984
149.		Thickness of Covering	IS 9857 (Cl. 10.1.b, Cl.9.2(Table-1) :1990 ,IS 10810 (Part-6):1984
150.		Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Conductor resistance
151.	Conductor resistance		IS 17048:2018, IS 10810 (Pt 5):1984
152.	Annealing test for Copper Conductor		IS 17048:2018, IS 10810 (Pt 1):1984
153.	Persulphate test for tinned copper		IS 17048:2018, IS 10810 (Pt -4) :1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
154.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Tensile strength for Aluminium Conductor	IS 17048:2018, IS 10810 (Pt 2):1984
155.		Wrapping test for Aluminium Conductor	IS 17048:2018, IS 10810 (Pt 3):1984
156.		Test for Overall Dimensions and Thickness of Insulation & Sheath	IS 17048:2018, IS 10810 (Pt 6):1984
157.		Tensile strength of insulation before and after ageing	IS 17048: 2018,IS 10810 (Pt 7):1984
158.		Elongation at break of insulation before and after ageing	IS 17048: 2018 ,IS 10810 (Pt 7): 1984
159.		High voltage Test (AC)	IS 17048: 2018,IS 10810 (Pt 45): 1984
160.		Insulation resistance	IS 17048: 2018, IS 10810 (Pt 43): 1984
161.		Oxygen Index Test	IS 17048:2018,IS 10810 (Pt 58):1998; ASTM D 2863-09
162.		Temperature Index Test	IS 17048:2018,IS 10810 (Pt -64) :2003
163.		Ageing in air oven	IS 17048:2018,IS 10810 (Pt 11):1984
164.		Ageing in air oven	IS 17048:2018,IS 10810 (Pt 11):1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
165.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Hot Deformation	IS 17048:2018, IS 10810 (Pt 15):1984
166.		Cold Impact Test	IS 17048:2018, IS 10810 (Pt 21):1984
167.		Hot Set Test	IS 17048:2018, IS 10810 (Pt 30):1984
168.		Ozone resistance test	IS 17048:2018, IS 10810 (Pt.13):1984
169.		Flame Retardant Test	IS 17048:2018, IS 10810 (Pt 61):1988
170.		Tensile strength of sheath before and after ageing	IS 17048:2018, IS 10810 (Pt 7):1984
171.		Elongation at break of sheath before and after ageing	IS 17048:2018, IS 10810 (Pt 7):1984
172.		Flammability test	IS 17048:2018, IS: 10810 (Pt 53):1984
173.		Cold Bend Test	IS 17048:2018, IS 10810 (Pt 20):1984
174.		Water Immersion test(Effect of water on sheath of cable) Tensile Strength	IS 17048:2018, IS 10810 (Pt 7):1984 Cl.5.13 Annex B
175.		Smoke Density	IS 17048:2018, IS 10810 (Pt 63):1993

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
176.	Bunched Cables- For working voltage up to and including 1100V	Tensile strength Phase / Street light Conductor	IS 14255 (Cl.10.1(a)-I):1995,IS 8130 (Cl.7.2.1)2013 IS 10810(Part2):1984
177.		Wrapping test	IS 14255 (Cl.10.1(a)-i):1995,IS 8130 (Cl.7.2.2) 2003, IS10810(Part3):1984
178.		Conductor resistance	IS 14255 (Cl.10.1(a)- I):1995,IS 8130 (Cl. 7.3)(Table-1,2)2013, IS 10810(Part-5):1984
179.		Test on Messenger Conductor Breaking Load	IS 14255 (Cl. 10.1(b)-i& Cl.6.5) (table-3):1995
180.		Elongation test on messenger conductor	IS 14255 (Cl.10.1(b)-i&Cl.11.3) (table-3):1995
181.		Conductor resistance on Messenger Conductor	IS 14255 (Cl.10.1(a)- I 1995,IS 8130 (Cl. 7.3)(Table-1,2)2003 IS10810(Part-5):1984
182.		Tensile strength of XLPE insulation	IS 14255 (Cl.10.1(c)-I & Cl.5.1(Table-1,2) IS10810(Part-7):1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
183.	Bunched Cables- For working voltage up to and including 1100V	Elongation at break of XLPE insulation	IS 14255 (Cl.10.1(c)-I & Cl.5.1(Table-1,2) 1995 IS10810(Part-7):1984
184.		Ageing in air oven-Tensile Strength	IS 14255 (Cl.10.1(c)-i& Cl.5.1(Table-1)1995 IS10810(Part-1):1984
185.		Ageing in air oven-Elongation	IS 14255 (Cl.10.1(c)-i&Cl.5.1(Table-1)1995 IS10810(Part-1):1984
186.		Hot Set Test	IS 14255 (Cl.10.1(c)-i&Cl.5.1,(Table-1)1995, IS10810 (Part-30):1984
187.		Shrinkage test	IS 14255 (Cl. 10.1(c)-iv & Cl. 5.1,(Table-1):1995 IS10810(Part-12):1984
188.		Water Absorption (Gravimetric)	IS 14255 (Cl.10.1(c)-v&Cl.5.1,(Table-1) 1995 IS10810 (Part-33):1984
189.		Carbon black test-Content	IS 14255 (Cl. 10.1(c)-vi & Cl. 5.1 (Table-1,2) 1995 IS10810(Part32):1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
190.	Bunched Cables- For working voltage up to and including 1100V	Carbon black test-Content PE insulation	IS 14255 (Cl.10.1(c)-vi & Cl.5.1(Table-1,2)1995 IS 10810(P-32)1984
191.		Physical test for PE insulation	IS 14255 (Cl. 10.1(d)-I & Cl. 5.1 (Table-1,2)1995 IS10810(Part-7):1984
192.		Physical test for PE insulation elongation at break	IS 14255 (Cl. 10.1(d)-I & Cl. 5.1 (Table-1,2)1995 IS10810(Part-7):1984
193.		Melt flow index PE insulation	IS 14255 (Cl.10.1(d)(i) & Cl.5.1, Table2, IS 10810(Part-23):1984
194.		Vicats of tening point PE insulation	IS 14255 (Cl.10.1(d) (iv) & Cl.5.1, Table2 1995, IS 10810(Part-22):1984
195.		Environmental stress cracking	IS 14255 (Cl.10.1(d). (v) & Cl.5.1, Table2 1995, IS10810(Part-29):1984
196.		Thickness of Insulation	IS 14255 Cl.10.1(e)Cl.7.2(Table-4) 1995, IS 10810 (Part-6):1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables and Wires		
197.	Bunched Cables- For working voltage up to and including 1100V	Insulation resistance (Volume Resistivity)	IS 14255 (Cl. 10.1(f) & Cl. 5.1(Table-1,2)1995, IS 10810(Part-43):1984
198.		High-voltage Test	IS 14255 (Cl.10.1(g)&Cl.11.2:1995, IS 10810(Part-45):1984



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
1.	Specification for conduits for electrical installations	Bending Test	IS 9537 (Part 3)(Cl.9.2): 1983
2.		Classification	IS 9537 (Part 3) (Cl.5): 1983
3.		Collapse Test	IS 9537 (Part 3) (9.5): 1983 & IS 9537 (Part 1): 1980
4.		Compression test	IS 9537 (Part 3)(Cl.9.3): 1983 IS 9537 (Part 1) (Cl. 9.5):1980
5.		Construction	IS 9537 (Part 3)(Cl.8):1983 & IS 9537 (Part-1): 1980
6.		Dimensions	IS 9537 (Part 3) (Cl.7, 7.1, 7.2 & 7.3): 1983
7.		Durability of Marking	IS 9537 (Part 3) (Cl.6.2): 1983 & IS 9537 (Part 1) (Cl. 6.4): 1980
8.		Electrical Characteristics	IS 9537 (Part 3) (Cl.12): 1983 & IS 9537 (Part-1) (Cl.12.1.1): 1980
9.		Impact Test	IS 9537 (Part 3) (Cl.9.4): 1983 IS 9537 (Part 1): 1980
10.		Insulation Resistance in conduit	IS 9537 (Part 3) (Cl.12.1.2): 1983 & IS 9537 (Part-1): 1980

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
11.	Specification for conduits for electrical installations	Marking	IS 9537 (Part 3) (Cl.6): 1983 & IS 9537 (Part 1): 1980
12.		Mechanical Properties	IS 9537 (Part 3) (Cl.9): 1983
13.		Resistance to burning	IS 9537 (Part 3) (Cl.10): 1983
14.		Resistance to heat	IS 9537 (Part 3) (Cl.10): 1983
15.		Uniformity of the Wall Thickness	IS 9537 (Part 3) (Cl.7.4): 1983
16.	Switch & Socket- outlets (Non-Interlock Type)	Breaking capacity	IS 15787 (Cl.20):2008 & IS 1293 (Cl.20): 2019
17.		Checking of Dimensions	IS 15787 (Cl.9): 2008 & IS 1293 (Cl.9): 2019
18.		Construction of Plug and portable socket outlet	IS 15787 (Cl.14):2008 & IS 1293 (Cl.14): 2019
19.		Constructional Requirement of Fixed socket outlet	IS 15787 (Cl.13):2008 & IS 1293 (Cl.13): 2019
20.		Creepage Distances, Clearances and Distances Through Sealing Compound	IS 15787 (Cl.27):2008 & IS 1293 (Cl.27): 2019
21.		Flexible cable and their connection	IS 15787 (Cl.23):2008 & IS 1293 (Cl.23): 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
22.	Switch & Socket- outlets (Non-Interlock Type)	Force necessary to with draw the plug	IS 15787 (Cl.22):2008 & IS 1293 (Cl.22): 2019
23.		Insulation resistance and electric strength	IS 15787 (Cl.17):2008 & IS 1293 (Cl.17): 2019
24.		Marking	IS 15787 (Cl.8): 2008 & IS 1293 (Cl.8):2019
25.		Mechanical strength	IS 15787 (Cl.24):2008 & IS 1293 (Cl.24): 2019
26.		Normal operation	IS 15787 (Cl.21):2008 & IS 1293 (Cl.21): 2019
27.		Operation of Earthing contacts	IS 15787 (Cl.18):2008 & IS 1293 (Cl.18): 2019
28.		Protection against electric shock	IS 15787 (Cl.10):2008 & IS 1293 (Cl.10): 2019
29.		Provision For Earthing	IS 15787 (Cl.11):2008 & IS 1293 (Cl.11): 2019
30.		Resistance of Insulating Material to Abnormal Heat, to Fire and to Tracking	IS 15787 (Cl.28):2008 & IS 1293 (Cl.28): 2019
31.		Resistance to Ageing, To harmful ingress of water and to humidity	IS 15787 (Cl.16):2008 & IS 1293 (Cl.16): 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
32.	Switch & Socket- outlets (Non-Interlock Type)	Resistance to Heat	IS 15787 (Cl.25):2008 & IS 1293 (Cl.25): 2019
33.		Resistance to Rusting	IS 15787 (Cl.29):2008 & IS 1293 (Cl.29): 2019
34.		Screws current carrying parts & connection	IS 15787 (Cl.26):2008 & IS 1293 (Cl.26): 2019
35.		Temperature Rise	IS 15787 (Cl.19):2008 & IS 1293 (Cl.19): 2019
36.		Terminals	IS 15787 (Cl.12):2008 & IS 1293 (Cl.12): 2019
37.		Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and Including 250 V and Rated Current up to and Including 16 A	Additional Test on pins provided with insulating sleeves
38.	Checking of Dimensions		IS:1293 (Cl.9): 2019
39.	Classification		IS:1293 (Cl:7): 2019
40.	Construction of Plug and portable socket outlet		IS:1293 (Cl.14): 2019
41.	Constructional Requirement of Fixed socket outlet		IS:1293 (Cl.13): 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
42.		Creepage Distances, Clearances and Distances Through Sealing Compound	IS:1293 (Cl.27): 2019
43.		Flexible cable and their connection	IS:1293 (Cl. 23): 2019
44.		Force necessary to with draw the plug	IS:1293 (Cl:22): 2019
45.		Force necessary to with draw the plug	IS 1293 (Cl.22.2):2019
46.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and Including 250 V and Rated Current up to and Including 16 A	Insulation resistance and electric strength Electric Strength	IS 1293 (Cl. 17): 2019
47.		Interlocked socket outlet	IS 1293 (Cl. 15): 2019
48.		Making & breaking	IS 1293:2019
49.		Marking	IS 1293 (Cl. 8): 2019
50.		Mechanical strength	IS 1293 (Cl. 24): 2019
51.		Normal Operation	IS:1293 (Cl:21): 2019
52.		Operation of Earthing contacts	IS 1293 (Cl. 18): 2019
53.		Protection against electric shock	IS:1293 (Cl:10): 2019
54.		Provision For Earthing	IS 1293 (Cl. 11): 2019

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Electrical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Wiring & Accessories			
55.		Rating	IS:1293 (Cl .6): 2019	
56.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and Including 250 V and Rated Current up to and Including 16 A	Resistance of Insulating Material to Abnormal Heat, to Fire and to Tracking	IS 1293 (Cl. 28): 2019, IS 11000 (Part 2/ Sec 1): 2008 & IS:2824: 2007	
57.		Resistance to Ageing, To harmful ingress of water and to humidity	IS :1293 (Cl. 16): 2019	
58.		Resistance to Heat	IS:1293 (Cl. 25): 2019	
59.		Resistance to Humidity	IS 1293 (Cl. 16.3):2019	
60.		Resistance to Rusting	IS 1293 (Cl. 29): 2019	
61.		Screws current carrying parts & connection	IS 1293 (Cl. 26): 2019	
62.		Temperature Rise	IS 1293 (Cl. 19): 2019	
63.		Terminals	IS 1293 (Cl. 12): 2019	
64.		Switches for domestic and similar purpose	Checking of Dimensions	IS 3854 (Cl. 9): 1997/IS 3854 : 2023
65.			Classification	IS 3854 (Cl. 7) (Fig. 1): 1997/IS 3854 : 2023
66.	Constructional Requirement		IS 3854 (Cl. 13): 1997/IS 3854 : 2023	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
67.	Switches for domestic and similar purpose	Creepage Distances, Clearances and Distances Through Sealing Compound	IS 3854 (Cl.23): 1997/IS 3854 : 2023
68.		Insulation resistance and electric strength	IS 3854(Cl.16): 1997/IS 3854 : 2023
69.		Making and breaking capacity	IS 3854 (Cl. 18): 1997/IS 3854 : 2023
70.		Marking	IS 3854 (Cl. 8): 1997/IS 3854 : 2023
71.		Mechanical strength	IS 3854 (Cl. 20): 1997/IS 3854 : 2023
72.		Mechanism	IS 3854 (Cl. 14): 1997/IS 3854 : 2023
73.		Normal operation	IS 3854 (Cl. 19): 1997/IS 3854 : 2023
74.		Normal operation for florescent circuit	IS 3854 (Cl. 19.2): 1997/IS 3854 : 2023
75.		Protection against electric shock	IS 3854 (Cl. 10): 1997/IS 3854 : 2023
76.		Provision For Earthing	IS 3854 (Cl. 11): 1997, IS 3854 : 2023
77.	Rating	IS 3854 (Cl. 6): 1997, IS 3854 : 2023	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
78.	Switches for domestic and similar purpose	Resistance to abnormal heat, fire and tracking	IS 3854 (Cl. 24.1): 1997 , IS 11000 (Part 2 /Sec -1) : 2008 &IS 2824: 2007/IS 3854 : 2023
79.		Resistance to ageing the harmful ingress of water & to humidity	IS 3854 (Cl.15): 1997,IS 3854 : 2023
80.		Resistance to Heat	IS 3854 (Cl. 21): 1997,IS 3854 : 2023
81.		Resistance to Rusting	IS 3854 (Cl. 25): 1997,IS 3854 : 2023
82.		Screw current caring Parts and connection	IS 3854 (Cl. 22): 1997,IS 3854 : 2023
83.		Temperature Rise	IS 3854(Cl. 17): 1997,IS 3854 : 2023
84.		Terminals	IS 3854 (Cl. 12): 1997, IS 3854 : 2023
85.		Bayonet Lamp holders	General condition for test
86.	General Rating		Cl.6 of 1258:2024
87.	Classification		Cl.7 of 1258:2024
88.	Marking		Cl.8 of 1258:2024
89.	Protection against electric shock		Cl.10 of 1258:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
90.	Bayonet Lamp holders	Terminal	Cl.11 of 1258:2024
91.		Provision for earthing	Cl. 12 of 1258:2024
92.		Construction	Cl.13 of 1258:2024
93.		Switched lamp holder	Cl.14 of 1258:2024
94.		Moisture resistance, insulation resistance and electric strength	Cl.15 of 1258:2024
95.		Mechanical strength	Cl.16 of 1258:2024
96.		Screws, current-carrying parts and connections	Cl.17 of 1258:2024
97.		Creepage distance and clearance	Cl.18 of 1258:2024
98.		General resistance and heat	Cl.19 of 1258:2024
99.		Resistance to heat, fire and tracking	Cl.20 of 1258:2024
100.	Resistance to excessive residual stress (season cracking) and to rusting	Cl.21 of 1258:2024	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
101.	Enclosures for Accessories	Ratings	Cl. 6 of IS 14772: 2020
102.		Classification	Cl. 7 of IS 14772: 2020
103.		Marking	Cl. 8 of IS 14772: 2020
104.		Dimension	Cl. 9 of IS 14772: 2020
105.		Protection against electric shock	Cl. 10 of IS 14772: 2020
106.		Provision for earthing	Cl. 11 of IS 14772: 2020
107.		Construction	Cl. 12 of IS 14772: 2020
108.		Resistance to ageing, protection against ingress of solid objective and against harmful ingress of water	Cl. 13 of IS 14772: 2020
109.		Insulation resistance and electric strength	Cl. 14 of IS 14772: 2020
110.		Mechanical strength	Cl. 15 of IS 14772: 2020
111.		Resistance to heat	Cl. 16 of IS 14772: 2020
112.		Creepage distances, clearance, and distance through sealing compound	Cl. 17 of IS 14772: 2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
113.		Resistance to insulating material to abnormal heat and fire	Cl. 18 of IS 14772: 2020
114.		Resistance to Tracking	Cl. 19 of IS 14772: 2020
115.		Resistance to corrosion	Cl. 20 of IS 14772: 2020
116.		Freedom from defects	Cl.5 of IS 7809(Part-1): 1975
117.		Dimension	Cl.6 of IS 7809(Part-1): 1975
118.		Marking	Cl.9 of IS 7809(Part-1): 1975
119.		Thickness	Cl.3 of IS 7809(Part-2): 1977
120.	Pressure sensitive adhesive tapes for electrical purposes	Resistance to penetration at elevated temperature	Cl.5 of IS 7809(Part-2): 1977
121.		Resistance to flame propagation	Cl.6 of IS 7809(Part-2): 1977
122.		Thermal endurance	Cl.7 of IS 7809(Part-2): 1977
123.		Bond separation during thermal treatment (Adhesive to backing)	Cl.8.1 of IS 7809(Part-2): 1977
124.		Bond separation after thermal treatment	Cl.8.2 of IS 7809(Part-2): 1977

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
125.	Pressure sensitive adhesive tapes for electrical purposes	Flagging or End-lifting	Cl.8.3 of IS 7809(Part-2): 1977
126.		Tensile strength and elongation at break	Cl.9 of IS 7809(Part-2): 1977
127.		Adhesion	Cl.10 of IS 7809(Part-2): 1977
128.		Shear adhesion to backing after liquid immersion	Cl.11 of IS 7809(Part-2): 1977
129.		Electric strength after humid conditioning	Cl.13 of IS 7809(Part-2): 1977
130.		Adhesion at low temperature	Cl.14 of IS 7809(Part-2): 1977
131.		Elongation at low temperature	Cl.15 of IS 7809(Part-2): 1977
132.		Water vapour permeability	Cl.16.1 of IS 7809(Part-2): 1977
133.		Unwind characteristics	Cl.16.2 of IS 7809(Part-2): 1977
134.		Conductivity of water extracts	Cl.16.3 of IS 7809(Part-2): 1977
135.		Circuit-breakers for overcurrent protection for household and similar installation	Classification
136.	Characteristic of circuit breaker		Cl. 5 of IS/IEC 60898-1:2015
137.	Marking and other product information		Cl. 6 of IS/IEC 60898-1:2015

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
138.	Circuit-breakers for overcurrent protection for household and similar installation	Standard conditions for operation in services	Cl. 7 of IS/IEC 60898-1:2015
139.		General	Cl. 8.1.1 of IS/IEC 60898-1:2015
140.		Mechanism	Cl. 8.1.2 of IS/IEC 60898-1:2015
141.		Clearances and creepage distances	Cl. 8.1.3 of IS/IEC 60898-1:2015
142.		Screws, current-carrying distances	Cl. 8.1.4 of IS/IEC 60898-1:2015
143.		Terminals for external conductors	Cl. 8.1.5 of IS/IEC 60898-1:2015
144.		Non-interchangeability	Cl. 8.1.6 of IS/IEC 60898-1:2015
145.		Mechanical mounting of plug-in type circuit breaker	Cl. 8.1.7 of IS/IEC 60898-1:2015
146.		Protection against electric shock	Cl. 8.2 of IS/IEC 60898-1:2015
147.		Dielectric properties and isolating capability	Cl. 8.3 of IS/IEC 60898-1:2015
148.		Temperature-rise	Cl. 8.4 of IS/IEC 60898-1:2015
149.		Uninterrupted duty	Cl. 8.5 of IS/IEC 60898-1:2015
150.		Automatic operation	Cl. 8.6 of IS/IEC 60898-1:2015

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Aaditech Test and Calibration Lab LLP

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Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
151.	Circuit-breakers for overcurrent protection for household and similar installation	Mechanical and electrical endurance	Cl. 8.7 of IS/IEC 60898-1:2015
152.		Resistance to mechanical shock and impact	Cl. 8.9 of IS/IEC 60898-1:2015
153.		Resistance to heat	Cl. 8.10 of IS/IEC 60898-1:2015
154.		Resistance to abnormal heat and fire	Cl. 8.11 of IS/IEC 60898-1:2015
155.		Resistance to rusting	Cl. 8.12 of IS/IEC 60898-1:2015
156.		Power loss	Cl. 8.13 of IS/IEC 60898-1:2015
157.		Test of indelibility of marking	Cl. 9.3 of IS/IEC 60898-1:2015
158.		Test of reliability of screws, current-carrying parts and connections	Cl. 9.4 of IS/IEC 60898-1:2015
159.		Tests of reliability of screw-type terminals for external copper conductors	Cl. 9.5 of IS/IEC 60898-1:2015
160.		Test of protection against electric shock	Cl. 9.6 of IS/IEC 60898-1:2015
161.		Resistance to humidity	Cl. 9.7.1 of IS/IEC 60898-1:2015

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
162.	Circuit-breakers for overcurrent protection for household and similar installation	Insulation resistance of the main circuit	Cl. 9.7.2 of IS/IEC 60898-1:2015
163.		Dielectric strength of the main circuit	Cl. 9.7.3 of IS/IEC 60898-1:2015
164.		Insulation resistance and dielectric strength of auxiliary circuit	Cl. 9.7.4 of IS/IEC 60898-1:2015
165.		Verification of impulse withstand voltage	Cl. 9.7.5 of IS/IEC 60898-1:2015
166.		Test of temperature-rise and measurement of power loss.	Cl. 9.8 of IS/IEC 60898-1:2015
167.		28-days test	Cl. 9.9 of IS/IEC 60898-1:2015
168.		Test of tripping characteristics	Cl. 9.10 of IS/IEC 60898-1:2015
169.		Verification of mechanical and electrical endurance	Cl. 9.11 of IS/IEC 60898-1:2015
170.		Mechanical stresses	Cl. 9.13 of IS/IEC 60898-1:2015
171.		Test of resistance to heat	Cl. 9.14 of IS/IEC 60898-1:2015
172.		Resistance to abnormal heat and fire	Cl. 9.15 of IS/IEC 60898-1:2015
173.		Test of resistance to rusting	Cl. 9.16 of IS/IEC 60898-1:2015

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
1.	Electric Food-Mixers (Liquidizers and Grinders) and Centrifugal Juicers	Overload protection of transformers and associated circuits	Cl. 17 of IS 302-2-14:2009
2.		Abnormal operation	Cl. 19 of IS 302-2-14:2009
3.		Stability and mechanical hazards	Cl. 20 of IS 302-2-14:2009
4.		Mechanical strength	Cl. 21 of IS 302-2-14:2009
5.		Construction	Cl. 22 of IS 302-2-14:2009
6.		Internal wiring	Cl. 23 of IS 302-2-14:2009
7.		Components	Cl. 24 of IS 302-2-14:2009
8.		Supply connection and external flexible cords	Cl. 25 of IS 302-2-14:2009
9.		Terminals for external conductors	Cl. 26 of IS 302-2-14:2009
10.		Provision for earthing	Cl. 27 of IS 302-2-14:2009
11.		Screws and connections	Cl.28 of IS 4250:2025 & Cl. 28 of IS 302-2-14:2009
12.		Clearances, creepage distances and solid insulation	Cl. 29 of IS 302-2-14:2009
13.		Resistance to heat and fire	Cl. 30 of IS 302-2-14:2009
14.		Resistance to rusting	Cl. 31 of IS 302-2-14:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
15.	Electric Food-Mixers (Liquidizers and Grinders) and Centrifugal Juicers	Radiation, toxicity and similar hazards	Cl. 32 of IS 302-2-14:2009
16.		Endurance for motor and base assembly	Cl.9 of IS 4250:2025
17.		Operational tests	Cl.10 of IS 4250:2025
18.		Temperature withstand test for bowl	Cl.11 of IS 4250:2025
19.		Test for controls	Cl.12 of IS 4250:2025
20.		Strength of assembly	Cl.13 of IS 4250:2025
21.	Toasters, Grills, Roasters and Similar Appliances	Classification	Cl.6 of IS 302-2-9:2009
22.		Marking and Instruction	Cl.7 of IS 302-2-9:2009
23.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-9:2009
24.		Power input and Current	Cl.10 of IS 302-2-9:2009
25.		Heating	Cl.11 of IS 302-2-9:2009
26.		Leakage Current and Electric Strength at operating temperature	Cl.13 of IS 302-2-9:2009
27.		Transient Over Voltage	Cl.14 of IS 302-2-9:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
28.	Toasters, Grills, Roasters and Similar Appliances	Moisture Resistance	Cl.15 of IS 302-2-9:2009
29.		Leakage Current and Electric Strength	Cl.16 of IS 302-2-9:2009
30.		Overload protection of transformers associated circuits	Cl.17 of IS 302-2-9:2009
31.		Abnormal Operation	Cl.19 of IS 302-2-9:2009
32.		Stability and Mechanical hazards	Cl.20 of IS 302-2-9:2009
33.		Mechanical Strength	Cl.21 of IS 302-2-9:2009
34.		Construction	Cl.22 of IS 302-2-9:2009
35.		Internal Wiring	Cl.23 of IS 302-2-9:2009
36.		Components	Cl.24 of IS 302-2-9:2009
37.		Supply Connection and External Flexible Cord	Cl.25 of IS 302-2-9:2009
38.		Terminal for External Conductors	Cl.26 of IS 302-2-9:2009
39.		Provision for Earthing	Cl.27 of IS 302-2-9:2009
40.		Screws and Connections	Cl.28 of IS 302-2-9:2009
41.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-9:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
42.	Toasters, Grills, Roasters and Similar Appliances	Resistance to heat and fire	Cl.30 of IS 302-2-9:2009
43.		Resistance to rusting	Cl.31 of IS 302-2-9:2009
44.		Radiation, toxicity and similar hazards	Cl.32 of IS 302-2-9:2009
45.	Appliances for Heating Liquids	Classification	Cl.6 of IS 302-2-15:2009
46.		Marking and Instruction	Cl.7 of IS 302-2-15:2009
47.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-15:2009
48.		Power input and Current	Cl.10 of IS 302-2-15:2009
49.		Heating	Cl.11 of IS 302-2-15:2009
50.		Leakage Current and Electric Strength at operating temperature	Cl.13 of IS 302-2-15:2009
51.		Transient Over Voltage	Cl.14 of IS 302-2-15:2009
52.		Moisture Resistance	Cl.15 of IS 302-2-15:2009
53.		Leakage Current and Electric Strength	Cl.16 of IS 302-2-15:2009
54.		Overload protection of transformers associated circuits	Cl.17 of IS 302-2-15:2009
55.	Abnormal Operation	Cl.19 of IS 302-2-15:2009	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
56.	Appliances for Heating Liquids	Stability and Mechanical hazards	Cl.20 of IS 302-2-15:2009
57.		Mechanical Strength	Cl.21 of IS 302-2-15:2009
58.		Construction	Cl.22 of IS 302-2-15:2009
59.		Internal Wiring	Cl.23 of IS 302-2-15:2009
60.		Components	Cl.24 of IS 302-2-15:2009
61.		Supply Connection and External Flexible Cord	Cl.25 of IS 302-2-15:2009
62.		Terminal for External Conductors	Cl.26 of IS 302-2-15:2009
63.		Provision for Earthing	Cl.27 of IS 302-2-15:2009
64.		Screws and Connections	Cl.28 of IS 302-2-15:2009
65.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-15:2009
66.		Resistance to heat and fire	Cl.30 of IS 302-2-15:2009
67.		Resistance to rusting	Cl.31 of IS 302-2-15:2009
68.		Radiation, toxicity and similar hazards	Cl.32 of IS 302-2-15:2009
69.		Electric Ceiling type Fans	Rating

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
70.	Electric Ceiling type Fans	Classification	Cl.6 of IS 302-2-80:2017 Cl.7 of IS 374:2019
71.		Marking and Instruction	Cl.7 of IS 302-2-80:2017 Cl.8 of IS 374:2019
72.		Protection against access to live parts	Cl.8 of IS 302-2-80:2017
73.		Starting	Cl.9 of IS 302-2-80:2017
74.		Power Input & Current	Cl.10 of IS 302-2-80:2017
75.		Heating	Cl.11 of IS 302-2-80:2017
76.		Leakage current and electric strength at operating temperature	Cl.13 of IS 302-2-80:2017
77.		Transient over voltage	Cl.14 of IS 302-2-80:2017
78.		Moisture Resistance	Cl.15 of IS 302-2-80:2017
79.		Leakage current and electric strength	Cl.16 of IS 302-2-80:2017
80.		Overload protection of transformers and associated circuits	Cl.17 of IS 302-2-80:2017
81.		Abnormal Operation	Cl.19 of IS 302-2-80:2017
82.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-80:2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
83.	Electric Ceiling type Fans	Mechanical Strength	Cl.21 of IS 302-2-80:2017
84.		Construction	Cl.22 of IS 302-2-80:2017
85.		Internal Wiring	Cl.23 of IS 302-2-80:2017
86.		Components	Cl.24 of IS 302-2-80:2017
87.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-80:2017
88.		Terminals For External Conductor	Cl.26 of IS 302-2-80:2017
89.		Provision For Earthing	Cl.27 of IS 302-2-80:2017
90.		Screws And Connection	Cl.28 of IS 302-2-80:2017
91.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-80:2017
92.		Resistance to Heat and Fire	Cl.30 of IS 302-2-80:2017
93.		Resistance to Rusting	Cl.31 of IS 302-2-80:2017
94.		Radiation, Toxicity & Similar Hazard	Cl.32 of IS 302-2-80:2017
95.		Speed Regulators	Cl.10 of IS 374:2019
96.		Starting	Cl.11 of IS 374:2019
97.		Interchangeability	Cl.12 of IS 374:2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
98.	Electric Ceiling type Fans	Silent Operation	Cl.13 of IS 374:2019
99.		Speed and Power Factor	Cl.14.4 & 14.5 of IS 374:2019
100.		Performances Requirement	Cl.15 of IS 374:2019
101.		Endurances test	Cl.16 of IS 374:2019
102.		Test for harmonics distortion	Cl.17 of IS 374:2019
103.	Electric Instantaneous Water Heater	Classification	Cl.6 of IS 302-2-35:2017
104.		Marking and Instructions	Cl.7 of IS 302-2-35:2017
105.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-35:2017
106.		Power input and Current	Cl.10 of IS 302-2-35:2017
107.		Heating	Cl.11 of IS 302-2-35:2017
108.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302-2-35:2017
109.		Transient over Voltage	Cl.14 of IS 302-2-35:2017
110.	Electric Instantaneous Water Heater	Moisture Resistance	Cl.15 of IS 302-2-35:2017
111.		Leakage Current & Electric Strength	Cl.16 of IS 302-2-35:2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
112.	Electric Instantaneous Water Heater	Overload Protection of Transformers and Associated Circuits	Cl.17 of IS 302-2-35:2017
113.		Abnormal Operation	Cl.19 of IS 302-2-35:2017
114.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-35:2017
115.		Mechanical Strength	Cl.21 of IS 302-2-35:2017
116.		Construction	Cl.22 of IS 302-2-35:2017
117.		Internal Wiring	Cl.23 of IS 302-2-35:2017
118.		Components	Cl.24 of IS 302-2-35:2017
119.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-35:2017
120.		Terminals for External Conductors	Cl.26 of IS 302-2-35:2017
121.		Provision for Earthing	Cl.27 of IS 302-2-35:2017
122.		Screw and Connections	Cl.28 of IS 302-2-35:2017
123.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-35:2017
124.		Resistance to Heat, Fire and tracking	Cl.30 of IS 302-2-35:2017
125.		Resistance to Rusting	Cl.31 of IS 302-2-35:2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
126.	Electric Instantaneous Water Heater	Radiation, Toxicity and similar hazards	Cl.32 of IS 302-2-35:2017
127.	Mineral Filled Sheathed Heating Element	Abnormal Operation	IS 4159 (Cl.19): 2021& IS 302 (Part-1):2008
128.		Clearances, Creepage Distances and Solid Insulation	IS 4159 (Cl.29): 2021& IS 302 (Part-1):2008
129.		Components	IS 4159 (Cl.24): 2021& IS 302 (Part-1):2008
130.		Construction	IS 4159 (Cl.22): 2021& IS 302 (Part-1):2008
131.		Electrical Insulation and Leakage Current at Operating Temperature	IS 4159 (Cl.13): 2021& IS 302 (Part-1):2008
132.		Endurance	IS 4159 (Cl.18): 2021& IS 302 (Part-1):2008
133.		Finish	IS 4159 (Cl.33): 2021& IS 302 (Part-1):2008
134.		Input Power & Current	IS 4159 (Cl.10): 2021& IS 302 (Part-1):2008
135.		Insulation Resistance and Electric Strength	IS 4159 (Cl.16): 2021& IS 302 (Part-1):2008
136.		Internal wiring	IS 4159 (Cl.23): 2021& IS 302 (Part-1):2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
137.	Mineral Filled Sheathed Heating Element	Mechanical Strength	IS 4159 (Cl.21): 2021& IS 302 (Part-1):2008
138.		Moisture Resistance	IS 4159 (Cl.15): 2021& IS 302 (Part-1):2008
139.		Protection against access to live parts	IS 4159 (Cl.8): 2021& IS 302 (Part-1):2008
140.		Provision For Earthing	IS 4159 (Cl.27): 2021& IS 302 (Part-1):2008
141.		Resistance to Heat and Fire	IS 4159 (Cl.30): 2021& IS 302 (Part-1):2008
142.		Resistance to Rusting	IS 4159 (Cl.31): 2021& IS 302 (Part-1):2008
143.		Screws And Connection	IS 4159 (Cl.28): 2021& IS 302 (Part-1):2008
144.		Stability and Mechanical Hazards	IS 4159 (Cl.20): 2021& IS 302 (Part-1):2008
145.		Supply Connection and External Flexible Cords	IS 4159 (Cl.25): 2021& IS 302 (Part-1):2008
146.		Temperature Rise	IS 4159 (Cl.11): 2021& IS 302 (Part-1):2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
147.	Mineral Filled Sheathed Heating Element	Terminals For External Conductors	IS 4159 (Cl.26): 2021& IS 302 (Part-1):2008
148.		Marking and Instruction	IS 4159 (Cl.7): 2021
149.	Electric Immersion Water Heater	Classification	Cl. 6 of IS 368:2014 & IS 302-2-201:2008
150.		Marking and Instructions	Cl. 7 of IS 368:2014 & IS 302-2-201:2008
151.		Protection Against Access to Live Parts	Cl. 8 of IS 368:2014 & IS 302-2-201:2008
152.		Power input and Current	Cl. 10 of IS 368:2014 & IS 302-2-201:2008
153.		Heating	Cl. 11 of IS 368:2014 & IS 302-2-201:2008
154.		Operation Under Overload Conditions of Appliances with Heating Elements	Cl. 12 of IS 368:2014
155.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 368:2014 & IS 302-2-201:2008
156.		Transient over Voltage	Cl.14 of IS 368:2014 & IS 302-2-201:2008

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Aaditech Test and Calibration Lab LLP

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
157.	Electric Immersion Water Heater	Moisture Resistance	Cl. 15 of IS 368:2014 & IS 302-2-201:2008
158.		Leakage Current & Electric Strength	Cl. 16 of IS 368:2014 & IS 302-2-201:2008
159.		Overload Protection of Transformers and Associated Circuits	Cl. 17 of IS 368:2014 & IS 302-2-201:2008
160.		Endurance	Cl. 18 of IS 368:2014
161.		Abnormal Operation	Cl. 19 of IS 368:2014 & IS 302-2-201:2008
162.		Stability and Mechanical Hazards	Cl. 20 of IS 368:2014 & IS 302-2-201:2008
163.		Mechanical Strength	Cl. 21 of IS 368:2014 & IS 302-2-201:2008
164.		Construction	Cl. 22 of IS 368:2014 & IS 302-2-201:2008
165.		Internal Wiring	Cl. 23 of IS 368:2014 & IS 302-2-201:2008
166.		Components	Cl. 24 of IS 368:2014 & IS 302-2-201:2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
167.	Electric Immersion Water Heater	Supply Connection and External Flexible Cords	Cl. 25 of IS 368:2014 & IS 302-2-201:2008
168.		Terminals for External Conductors	Cl. 26 of IS 368:2014 & IS 302-2-201:2008
169.		Provision for Earthing	Cl. 27 of IS 368:2014 & IS 302-2-201:2008
170.		Screw and Connections	Cl. 28 of IS 368:2014 & IS 302-2-201:2008
171.		Clearances, Creepage distances and solid insulation	Cl. 29 of IS 368:2014 & IS 302-2-201:2008
172.		Resistance to Heat, Fire and tracking	Cl. 30 of IS 368:2014 & IS 302-2-201:2008
173.		Resistance to Rusting	Cl. 31 of IS 368:2014 & IS 302-2-201:2008
174.		Radiation, Toxicity and similar hazards	Cl. 32 of IS 368:2014 & IS 302-2-201:2008
175.	Electric Instantaneous Water Heater	Classification	Cl.6 of IS 302-2-35:2017
176.		Marking and Instructions	Cl.7 of IS 302-2-35:2017
177.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-35:2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
178.	Electric Instantaneous Water Heater	Power input and Current	Cl.10 of IS 302-2-35:2017
179.		Heating	Cl.11 of IS 302-2-35:2017
180.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302-2-35:2017
181.		Transient over Voltage	Cl.14 of IS 302-2-35:2017
182.		Moisture Resistance	Cl.15 of IS 302-2-35:2017
183.		Leakage Current & Electric Strength	Cl.16 of IS 302-2-35:2017
184.		Overload Protection of Transformers and Associated Circuits	Cl.17 of IS 302-2-35:2017
185.		Abnormal Operation	Cl.19 of IS 302-2-35:2017
186.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-35:2017
187.		Mechanical Strength	Cl.21 of IS 302-2-35:2017
188.		Construction	Cl.22 of IS 302-2-35:2017
189.		Internal Wiring	Cl.23 of IS 302-2-35:2017
190.		Components	Cl.24 of IS 302-2-35:2017

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Electrical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
Domestic Electrical Appliances				
191.	Electric Instantaneous Water Heater	Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-35:2017	
192.		Terminals for External Conductors	Cl.26 of IS 302-2-35:2017	
193.		Provision for Earthing	Cl.27 of IS 302-2-35:2017	
194.		Screw and Connections	Cl.28 of IS 302-2-35:2017	
195.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-35:2017	
196.		Resistance to Heat, Fire and tracking	Cl.30 of IS 302-2-35:2017	
197.		Resistance to Rusting	Cl.31 of IS 302-2-35:2017	
198.		Radiation, Toxicity and similar hazards	Cl.32 of IS 302-2-35:2017	
199.		Finish	Cl.10 of IS 8978:1992	
200.		Operation of Flow Switch	Cl.11 of IS 8978:1992	
201.		Endurance	Cl.12 of IS 8978:1992	
202.		Storage Water Heaters	Classification	Cl.6 of IS 302-2-21:2024 & IEC 60335-2-21:2022
203.			Marking and Instructions	Cl.7 of IS 302-2-21:2024 & IEC 60335-2-21:2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
204.	Storage Water Heaters	Protection Against Access to Live Parts	Cl.8 of IS 302-2-21:2024 & IEC 60335-2-21:2022
205.		Power input and Current	Cl.10 of IS 302-2-21:2024 & IEC 60335-2-21:2022
206.		Heating	Cl.11 of IS 302-2-21:2024 & IEC 60335-2-21:2022
207.		Charging of Metal-ion batteries	Cl.12 of IS 302-2-21:2024 & IEC 60335-2-21:2022
208.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302-2-21:2024 & IEC 60335-2-21:2022
209.		Transient over Voltage	Cl.14 of IS 302-2-21:2024 & IEC 60335-2-21:2022
210.		Moisture Resistance	Cl.15 of IS 302-2-21:2024 & IEC 60335-2-21:2022
211.		Leakage current and Electric Strength	Cl.16 of IS 302-2-21:2024 & IEC 60335-2-21:2022
212.		Overload protection of transformers associated circuits	Cl.17 of IS 302-2-21:2024 & IEC 60335-2-21:2022
213.		Abnormal Operation	Cl.19 of IS 302-2-21:2024 & IEC 60335-2-21:2022
214.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-21:2024 & IEC 60335-2-21:2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
215.	Storage Water Heaters	Mechanical Strength	Cl.21 of IS 302-2-21:2024 & IEC 60335-2-21:2022
216.		Construction	Cl.22 of IS 302-2-21:2024 & IEC 60335-2-21:2022
217.		Internal Wiring	Cl.23 of IS 302-2-21:2024 & IEC 60335-2-21:2022
218.		Components	Cl.24 of IS 302-2-21:2024 & IEC 60335-2-21:2022
219.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-21:2024 & IEC 60335-2-21:2022
220.		Terminals for External Conductors	Cl.26 of IS 302-2-21:2024 & IEC 60335-2-21:2022
221.		Provision for Earthing	Cl.27 of IS 302-2-21:2024 & IEC 60335-2-21:2022
222.		Screw and Connections	Cl.28 of IS 302-2-21:2024 & IEC 60335-2-21:2022
223.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-21:2024 & IEC 60335-2-21:2022
224.		Resistance to Heat, Fire and tracking	Cl.30 of IS 302-2-21:2024 & IEC 60335-2-21:2022
225.		Resistance to Rusting	Cl.31 of IS 302-2-21:2024 & IEC 60335-2-21:2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
226.	Storage Water Heaters	Radiation, Toxicity and similar hazards	Cl.32 of IS 302-2-21:2024 & IEC 60335-2-21:2022
227.	Electric Kitchen Machines	Classification	Cl.6 of IS 302-2-14:2009
228.		Marking and Instruction	Cl.7 of IS 302-2-14:2009
229.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-14:2009
230.		Power input and Current	Cl.10 of IS 302-2-14:2009
231.		Heating	Cl.11 of IS 302-2-14:2009
232.		Leakage Current and Electric Strength at operating temperature	Cl.13 of IS 302-2-14:2009
233.		Transient Over Voltage	Cl.14 of IS 302-2-14:2009
234.		Moisture Resistance	Cl.15 of IS 302-2-14:2009
235.		Leakage Current and Electric Strength	Cl.16 of IS 302-2-14:2009
236.		Overload protection of transformers associated circuits	Cl.17 of IS 302-2-14:2009
237.		Abnormal Operation	Cl.19 of IS 302-2-14:2009
238.		Stability and Mechanical hazards	Cl.20 of IS 302-2-14:2009

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Electrical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
Domestic Electrical Appliances				
239.	Electric Kitchen Machines	Mechanical Strength	Cl.21 of IS 302-2-14:2009	
240.		Construction	Cl.22 of IS 302-2-14:2009	
241.		Internal Wiring	Cl.23 of IS 302-2-14:2009	
242.		Components	Cl.24 of IS 302-2-14:2009	
243.		Supply Connection and External Flexible Cord	Cl.25 of IS 302-2-14:2009	
244.		Terminal for External Conductors	Cl.26 of IS 302-2-14:2009	
245.		Provision for Earthing	Cl.27 of IS 302-2-14:2009	
246.		Screws and Connections	Cl.28 of IS 302-2-14:2009	
247.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-14:2009	
248.		Resistance to heat and fire	Cl.30 of IS 302-2-14:2009	
249.		Resistance to rusting	Cl.31 of IS 302-2-14:2009	
250.		Radiation, toxicity and similar hazards	Cl.32 of IS 302-2-14:2009	
251.		Single phase AC induction motors	Test for no-load current, power input and speed at rated voltage and frequency	IS : 996 – 2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
252.	Single phase AC induction motors	Test for torques at rated voltage and frequency	Cl. 12.1.1 of IS : 996 – 2009
253.		Test for breakaway starting current at rated voltage and frequency	Cl. 12.1.1 of IS : 996 – 2009
254.		Test for full-load performance at rated voltage and frequency	Cl. 12.5.1 of IS : 996 – 2009
255.		Temperature Rise	Cl. 12.2 of IS : 996 – 2009
256.		Momentary overload test	Cl. 12.1.2 of IS : 996 – 2009
257.		Insulation resistance test	Cl. 12.7 of IS : 996 – 2009
258.		High voltage test	Cl. 13.1 of IS : 996 – 2009
259.		Moisture proofness	Cl. 13.2 of IS : 996 – 2009
260.		Leakage current test	Cl. 13.3 of IS : 996 – 2009
261.		Vibration test	Cl. 12.6 of IS : 996 – 2009
262.		Dimensions	Cl. 7 of IS : 996 – 2009
263.		Marking and diagram of connections	Cl. 16 of IS : 996 – 2009
264.		Terminal marking	Cl. 14 of IS : 996 – 2009
265.		Methods of cooling	Cl. 11 of IS : 996 – 2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
266.	Single phase AC induction motors	Types of enclosures	Cl. 10 of IS : 996 – 2009
267.		General construction	Cl. 9 of IS : 996 – 2009
268.		DUTY AND RATING	Cl. 8 of IS : 996 – 2009
269.		Efficiency	Cl. 17.6.1 of IS : 996 – 2009
270.		Power factor	Cl. 17.6.1 of IS : 996 – 2009
271.		Breakaway starting current	Cl. 17.6.1 of IS : 996 – 2009
272.		Range hood	Rating
273.	Classification		Cl.6 of IS 302-2-31:2009
274.	Marking		Cl.7 of IS 302-2-31:2009
275.	Protection against electric shock		Cl.8 of IS 302-2-31:2009
276.	Starting of Motor Operated Appliances		Cl.9 of IS 302-2-31:2009
277.	Input and Current		Cl.10 of IS 302-2-31:2009
278.	Temperature Rise		Cl.11 of IS 302-2-31:2009
279.	Operation under overload conditions of Appliances with Heating Elements		Cl.12 of IS 302-2-31:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
280.	Range hood	Electricals Insulation and Leakage Current at operating temperature	Cl.13 of IS 302-2-31:2009
281.		Radio and television interference suppression	Cl.14 of IS 302-2-31:2009
282.		Moisture Resistance	Cl.15 of IS 302-2-31:2009
283.		Insulation Resistance and Electric Strength (after humidity treatment)	Cl.16 of IS 302-2-31:2009
284.		Overload protection	Cl.17 of IS 302-2-31:2009
285.		Endurance (Under consideration)	Cl.18 of IS 302-2-31:2009
286.		Abnormal Operation	Cl.19 of IS 302-2-31:2009
287.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-31:2009
288.		Mechanical Strength	Cl.21 of IS 302-2-31:2009
289.		Construction	Cl.22 of IS 302-2-31:2009
290.		Internal wiring	Cl.23 of IS 302-2-31:2009
291.		Components	Cl.24 of IS 302-2-31:2009
292.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-31:2009
293.		Terminals For External Conductor	Cl.26 of IS 302-2-31:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
294.	Range hood	Provision For Earthing	Cl.27 of IS 302-2-31:2009
295.		Screws And Connection	Cl.28 of IS 302-2-31:2009
296.		Creepage distances and Clearances	Cl.29 of IS 302-2-31:2009
297.		Resistance to Heat and Fire	Cl.30 of IS 302-2-31:2009
298.		Resistance to Rusting	Cl.31 of IS 302-2-31:2009
299.		Radiation, toxicity and similar hazards	Cl.32 of IS 302-2-31:2009
300.	A.C motor capacitors	Marking	Cl.8 of IS 2993(Part-1): 2024, IEC 60335-1:2010
301.	Cooking Ranges, Hobs, Ovens and Similar Appliances	Abnormal Operation	IS 302(Part-2/Sec 6) (Cl.19) 2009 & IS 302 (Part-1) Cl. 19): 2008, IEC 60335-2-6: 2014
302.		Mechanical Strength	IS 302(Part-2/Sec 6) (Cl.21) 2009 & IS 302 (Part-1) (Cl. 21): 2008, IEC 60335-2-6: 2014
303.		Moisture Resistance	IS 302(Part-2/Sec 6) (Cl.15) 2009 & IS 302 (Part-1) (Cl. 15): 2008, IEC 60335-2-6: 2014
304.		Protection against Electric Shock	IS 302 (Part-1) (Cl. 8): 2008 & IEC 60335-2-6: 2014

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
305.	Cooking Ranges, Hobs, Ovens and Similar Appliances	Classification	IS 302(Part-2/Sec 6) (Cl.6) 2009 & IS 302 (Part-1) (Cl. 6): 2008, IEC 60335-2-6: 2014
306.		Clearances, Creepage Distances And Solid Insulation	IS 302(Part-2/Sec 6) (Cl.29) 2009 & IS 302 (Part-1) (Cl. 29): 2008, IEC 60335-2-6: 2014
307.		Components	IS 302(Part-2/Sec 6) (Cl.24) 2009 & IS 302 (Part-1) (Cl. 24): 2008, IEC 60335-2-6: 2014
308.		Construction	IS 302(Part-2/Sec 6) (Cl.22) 2009 & IS 302 (Part-1) (Cl. 22): 2008, IEC 60335-2-6: 2014
309.		Leakage current and electric strength at operating temperature	IS 302(Part-2/Sec 6) (Cl.13) 2009 & IS 302 (Part-1) (Cl. 13): 2008, IEC 60335-2-6: 2014
310.		Leakage current and electric strength	IS 302(Part-2/Sec 6) (Cl.16) 2009 & IS 302 (Part-1) (Cl. 16): 2008, IEC 60335-2-6: 2014
311.		Power input and current	IS 302(Part-2/Sec 6) (Cl.10) 2009 & IS 302 (Part-1) (Cl. 10): 2008, IEC 60335-2-6: 2014

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
312.	Cooking Ranges, Hobs, Ovens and Similar Appliances	Internal wiring	IS 302(Part-2/Sec 6) (Cl.23) 2009 & IS 302 (Part-1) (Cl. 23): 2008, IEC 60335-2-6: 2014
313.		Marking and instructions	IS 302(Part-2/Sec 6) (Cl.7) 2009 & IS 302 (Part-1) (Cl. 7): 2008, IEC 60335-2-6: 2014
314.		Provision For Earthing	IS 302(Part-2/Sec 6) (Cl.27) 2009 & IS 302 (Part-1) (Cl. 27): 2008, IEC 60335-2-6: 2014
315.		Resistance to Heat and Fire	IS 302(Part-2/Sec 6) (Cl.30) 2009 & IS 302 (Part-1) (Cl. 30): 2008, IEC 60335-2-6: 2014
316.		Resistance to Rusting	IS 302(Part-2/Sec 6) (Cl.31) 2009 & IS 302 (Part-1) (Cl. 31): 2008, IEC 60335-2-6: 2014
317.		Screws And Connection	IS 302(Part-2/Sec 6) (Cl.28) 2009 & IS 302 (Part-1) (Cl. 28): 2008, IEC 60335-2-6: 2014
318.		Stability and Mechanical Hazards	IS 302(Part-2/Sec 6) (Cl.20) 2009 & IS 302 (Part-1) (Cl. 20): 2008, IEC 60335-2-6: 2014

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
319.	Cooking Ranges, Hobs, Ovens and Similar Appliances	Supply Connection and External Flexible Cords	IS 302(Part-2/Sec 6) (Cl.25) 2009 & IS 302 (Part-1) (Cl. 25): 2008, IEC 60335-2-6: 2014
320.		Heating	IS 302(Part-2/Sec 6) (Cl.11) 2009 & IS 302 (Part-1) (Cl. 11): 2008, IEC 60335-2-6: 2014
321.		Transient over voltage	IS 302(Part-2/Sec 6) (Cl.14) 2009 & IS 302 (Part-1) (Cl. 14): 2008 ,IEC 60335-2-6: 2014
322.		Overload protection transformer associate circuit	IS 302(Part-2/Sec 6) (Cl.17) 2009 & IS 302 (Part-1) (Cl. 17): 2008 ,IEC 60335-2-6: 2014
323.		Terminal for external conductors	IS 302(Part-2/Sec 6) (Cl.26) 2009 & IS 302 (Part-1) (Cl. 26): 2008, IEC 60335-2-6: 2014
324.		Radiation, toxicity and similar hazards	IS 302(Part-2/Sec 6) (Cl.32) 2009 & IS 302 (Part-1) (Cl. 32): 2008, IEC 60335-2-6: 2014
325.	Evaporative Air Coolers (Desert Coolers)	Minimum air capacity	IS 3315(Cl.4): 1994
326.		Wiring	IS 3315(Cl.7): 1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
327.	Evaporative Air Coolers (Desert Coolers)	Protection against electric shock	IS 3315(Cl.8.2.2): 1994/IS 3315:2024
328.		High voltage test	IS 3315(Cl.8.2.3): 1994/IS 3315:2024
329.		Insulation resistance test	IS 3315(Cl.8.2.4): 1994/IS 3315:2024
330.		Leakage test	IS 3315(Cl.8.2.5): 1994/IS 3315:2024
331.		Earthing connection test	IS 3315(Cl.8.2.6): 1994/IS 3315:2024
332.		Finish	IS 3315(Cl.8.2.7): 1994/IS 3315:2024
333.		Rating	IS 3315(Cl.8.3): 1994/IS 3315:2024
334.		Verification of marking	IS 3315(Cl.8.4.1): 1994/IS 3315:2024
335.		Cooling efficiency test	IS 3315(Cl.8.4.1): 1994/IS 3315:2024
336.		Air delivery test	IS 3315(Cl.8.4.1): 1994/IS 3315:2024
337.		Power consumption test	IS 3315(Cl.8.4.1/8.2.8): 1994/IS 3315:2024
338.		Noise level	IS 3315(Cl.9.3): 1994/IS 3315:2024
339.		Instructions	IS 3315(Cl.9.4): 1994/IS 3315:2024
340.		Energy consumption	IS 3315(Cl.9.5): 1994/IS 3315:2024
341.		Insulating materials	IS 3315(Cl.8.4.1): 1994, IS 2312(8.1): 1967/IS 3315:2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
342.	Evaporative Air Coolers (Desert Coolers)	Temperature rise	IS 3315(Cl.8.4.1): 1994,IS 2312(Cl.14.3): 1967/IS 3315:2024
343.		Power Factor	IS 3315(Cl.8.4.1): 1994 ,IS 2312(14.6): 1967/IS 3315:2024
344.		Drop test	IS 3315(Cl.8.7): 2024,IS 3315: 2024
345.	Electric stoves	Abnormal Operation	IS 302(Part-2/Sec 202) (Cl.19) 1992& IS 302 (Part-1) Cl. 19): 2008
346.		Classification	IS 302(Part-2/Sec 202) (Cl.6) 1992&IS 302 (Part-1) (Cl. 6): 2008
347.		Clearances, Creepage Distances and Solid Insulation	IS 302(Part-2/Sec 202) (Cl.29) 1992& IS 302 (Part-1) (Cl. 29): 2008
348.		Components	IS 302(Part-2/Sec 202) (Cl.24) 1992& IS 302 (Part-1) (Cl. 24): 2008
349.		Construction	IS 302(Part-2/Sec 202) (Cl.22) 1992&IS 302 (Part-1) (Cl. 22): 2008
350.		Leakage current and electric strength at operating temperature	IS 302(Part-2/Sec 202) (Cl.13) 1992&IS 302 (Part-1) (Cl. 13): 2008
351.		Leakage current and electric strength	IS 302(Part-2/Sec 202) (Cl.16) 1992&IS 302 (Part-1) (Cl. 16): 2008
352.		Power input and current	IS 302(Part-2/Sec 202)(Cl.10) 1992&IS 302 (Part-1) (Cl. 10): 2008

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
353.	Electric Stoves	Internal wiring	IS 302(Part-2/Sec 202) (Cl.23) 1992&IS 302 (Part-1) (Cl. 23): 2008
354.		Marking and instructions	IS 302(Part-2/Sec 202) (Cl.) 1992&IS 302 (Part-1) (Cl. 7): 2008
355.		Mechanical Strength	IS 302(Part-2/Sec 202) (Cl.21) 1992&IS 302 (Part-1) (Cl. 21): 2008
356.		Moisture Resistance	IS 302(Part-2/Sec 202) (Cl.15) 1992&IS 302 (Part-1) (Cl. 15): 2008
357.		Protection against Electric Shock	IS 302(Part-2/Sec 202) (Cl.8) 1992&IS 302 (Part-1) (Cl. 8): 2008
358.		Provision For Earthing	IS 302(Part-2/Sec 202) (Cl.27) 1992&IS 302 (Part-1) (Cl. 27): 2008
359.		Resistance to Heat and Fire	IS 302(Part-2/Sec 202) (Cl.30) 1992&IS 302 (Part-1) (Cl. 30): 2008
360.		Resistance to Rusting	IS 302(Part-2/Sec 202) (Cl.31) 1992&IS 302 (Part-1) (Cl. 31): 2008
361.		Screws And Connection	IS 302(Part-2/Sec 202) (Cl.28) 1992&IS 302 (Part-1) (Cl. 28): 2008
362.		Stability and Mechanical Hazards	IS 302(Part-2/Sec 202) (Cl.20) 1992&IS 302 (Part-1) (Cl. 20): 2008
363.		Supply Connection and External Flexible Cords	IS 302(Part-2/Sec 202) (Cl.25) 1992&IS 302 (Part-1) (Cl. 25): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
364.	Electric Stoves	Heating	IS 302(Part-2/Sec 202) (Cl.11) 1992&IS 302 (Part-1) (Cl. 11): 2008
365.		Terminal for external conductors	IS 302(Part-2/Sec 202) (Cl.26) 1992&IS 302 (Part-1) (Cl. 26): 2008
366.		Radiation, toxicity and similar hazards	IS 302(Part-2/Sec 202) (Cl.32) 1992&IS 302 (Part-1) (Cl. 32): 2008
367.		Abnormal Operation	IS 302(Part-2/Sec 202)(Cl.19) 1992& IS 302 (Part-1)(Cl. 19): 2008
368.		Classification	IS 302(Part-2/Sec 202) (Cl.6) 1992&IS 302 (Part-1) (Cl. 6): 2008
369.		Clearances, Creepage Distances And Solid Insulation	IS 302(Part-2/Sec 202) (Cl.29) 1992&IS 302 (Part-1) (Cl. 29): 2008
370.		Components	IS 302(Part-2/Sec 202) (Cl.24) 1992&IS 302 (Part-1) (Cl. 24): 2008
371.		Construction	IS 302(Part-2/Sec 202) (Cl.22) 1992&IS 302 (Part-1) (Cl. 22): 2008
372.		Leakage current and electric strength at operating temperature	IS 302(Part-2/Sec 202) (Cl.13) 1992&IS 302 (Part-1) (Cl. 13): 2008
373.		Leakage current and electric strength	IS 302(Part-2/Sec 202) (Cl.16) 1992&IS 302 (Part-1) (Cl. 16): 2008
374.		Power input and current	IS 302(Part-2/Sec 202)(Cl.10) 1992&IS 302 (Part-1) (Cl. 10): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
375.	Electric Stoves	Internal wiring	IS 302(Part-2/Sec 202) (Cl.23) 1992&IS 302 (Part-1) (Cl. 23): 2008
376.		Marking and instructions	IS 302(Part-2/Sec 202) (Cl.) 1992&IS 302 (Part-1) (Cl. 7): 2008
377.		Mechanical Strength	IS 302(Part-2/Sec 202) (Cl.21) 1992&IS 302 (Part-1) (Cl. 21): 2008
378.		Moisture Resistance	IS 302(Part-2/Sec 202) (Cl.15) 1992&IS 302 (Part-1) (Cl. 15): 2008
379.		Protection against Electric Shock	IS 302(Part-2/Sec 202) (Cl.8) 1992&IS 302 (Part-1) (Cl. 8): 2008
380.		Provision For Earthing	IS 302(Part-2/Sec 202) (Cl.27) 1992&IS 302 (Part-1) (Cl. 27): 2008
381.		Resistance to Heat and Fire	IS 302(Part-2/Sec 202) (Cl.30) 1992&IS 302 (Part-1) (Cl. 30): 2008
382.		Resistance to Rusting	IS 302(Part-2/Sec 202) (Cl.31) 1992&IS 302 (Part-1) (Cl. 31): 2008
383.		Screws And Connection	IS 302(Part-2/Sec 202) (Cl.28) 1992&IS 302 (Part-1) (Cl. 28): 2008
384.		Stability and Mechanical Hazards	IS 302(Part-2/Sec 202) (Cl.20) 1992&IS 302 (Part-1) (Cl. 20): 2008,
385.		Supply Connection and External Flexible Cords	IS 302(Part-2/Sec 202) (Cl.25) 1992&IS 302 (Part-1) (Cl. 25): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
386.	Electric Stoves	Heating	IS 302(Part-2/Sec 202) (Cl.11) 1992&IS 302 (Part-1) (Cl. 11): 2008
387.		Terminal for external conductors	IS 302(Part-2/Sec 202) (Cl.26) 1992&IS 302 (Part-1) (Cl. 26): 2008
388.		Radiation, toxicity and similar hazards	IS 302(Part-2/Sec 202) (Cl.32) 1992& IS 302 (Part-1) (Cl. 32): 2008
389.	Appliances for Skin or Hair Care	Abnormal Operation	IS 302(Part-2/Sec 23)(Cl.19) 2009& IS 302 (Part-1(Cl. 19): 2008,IEC 60335-2-23: 2016
390.		Classification	IS 302(Part-2/Sec 23) (Cl.6) 2009&IS 302 (Part-1) (Cl. 6): 2008,IEC 60335-2-23: 2016
391.		Clearances, Creepage Distances and Solid Insulation	IS 302(Part-2/Sec 23) (Cl.29) 2009&IS 302 (Part-1) (Cl. 29): 2008, IEC 60335-2-23: 2016
392.		Components	IS 302(Part-2/Sec 23) (Cl.24) 2009&IS 302 (Part-1) (Cl. 24): 2008,IEC 60335-2-23: 2016
393.		Construction	IS 302(Part-2/Sec 23) (Cl.22) 2009&IS 302 (Part-1) (Cl. 22): 2008, IEC 60335-2-23: 2016

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
394.	Appliances for Skin or Hair Care	Leakage current and electric strength at operating temperature	IS 302(Part-2/Sec 23) (Cl.13) 2009&IS 302 (Part-1) (Cl. 13): 2008,IEC 60335-2-23: 2016
395.		Leakage current and electric strength	IS 302(Part-2/Sec 23) (Cl.16) 2009&IS 302 (Part-1) (Cl. 16): 2008,IEC 60335-2-23: 2016
396.		Power input and current	IS 302(Part-2/Sec 23)(Cl.10) 2009&IS 302 (Part-1) (Cl. 10): 2008,IEC 60335-2-23: 2016
397.		Internal wiring	IS 302(Part-2/Sec 23) (Cl.23) 2009&IS 302 (Part-1) (Cl. 23): 2008,IEC 60335-2-23: 2016
398.		Marking and instructions	IS 302(Part-2/Sec 23) (Cl.) 2009&IS 302 (Part-1) (Cl. 7): 2008,IEC 60335-2-23: 2016
399.		Mechanical Strength	IS 302(Part-2/Sec 23) (Cl.21) 2009 &IS 302 (Part-1) (Cl. 21): 2008,IEC 60335-2-23: 2016
400.		Moisture Resistance	IS 302(Part-2/Sec 23) (Cl.15) 2009 &IS 302 (Part-1) (Cl. 15): 2008,IEC 60335-2-23: 2016

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
401.	Appliances for Skin or Hair Care	Protection against Electric Shock	IS 302(Part-2/Sec 23) (Cl.8) 2009 & IS 302 (Part-1) (Cl. 8): 2008, IEC 60335-2-23: 2016
402.		Provision For Earthing	IS 302(Part-2/Sec 23) (Cl.27) 2009 & IS 302 (Part-1) (Cl. 27): 2008, IEC 60335-2-23: 2016
403.		Resistance to Heat and Fire	IS 302(Part-2/Sec 23) (Cl.30) 2009 & IS 302 (Part-1) (Cl. 30): 2008, IEC 60335-2-23: 2016
404.		Resistance to Rusting	IS 302(Part-2/Sec 23) (Cl.31) 2009 & IS 302 (Part-1) (Cl. 31): 2008, IEC 60335-2-23: 2016
405.		Screws And Connection	IS 302(Part-2/Sec 23) (Cl.28) 2009 & IS 302 (Part-1) (Cl. 28): 2008, IEC 60335-2-23: 2016
406.		Stability and Mechanical Hazards	IS 302(Part-2/Sec 23) (Cl.20) 2009 & IS 302 (Part-1) (Cl. 20): 2008, IEC 60335-2-23: 2016
407.		Supply Connection and External Flexible Cords	IS 302(Part-2/Sec 23) (Cl.25) 2009 & IS 302 (Part-1) (Cl. 25): 2008, IEC 60335-2-23: 2016

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
408.	Appliances for Skin or Hair Care	Heating	IS 302(Part-2/Sec 23) (Cl.11) 2009 & IS 302 (Part-1) (Cl. 11): 2008, IEC 60335-2-23: 2016
409.		Transient over voltage	IS 302(Part-2/Sec 23) (Cl.14) 2009 & IS 302 (Part-1) (Cl. 14): 2008, IEC 60335-2-23: 2016
410.		Overload protection transformer associate circuit	IS 302(Part-2/Sec 23) (Cl.17) 2009 & IS 302 (Part-1) (Cl. 17): 2008, IEC 60335-2-23: 2016
411.		Terminal for external conductors	IS 302(Part-2/Sec 23) (Cl.26) 2009 & IS 302 (Part-1) (Cl. 26): 2008, IEC 60335-2-23: 2016
412.		Radiation, toxicity and similar hazards	IS 302(Part-2/Sec 23) (Cl.32) 2009 & IS 302 (Part-1) (Cl. 32): 2008, IEC 60335-2-23: 2016
413.	Room Heaters	Abnormal Operation	IS 302(Part-2/Sec 30)(Cl.19) 2007& IS 302 (Part1(Cl. 19): 2008, IEC 60335-2-30: 2009
414.		Classification	IS 302(Part-2/Sec 30) (Cl.6) 2007&IS 302 (Part-1) (Cl. 6): 2008, IEC 60335-2-30: 2009

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Electrical Testing			
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Domestic Electrical Appliances			
415.	Room Heaters	Clearances, Creepage Distances and Solid Insulation	IS 302(Part-2/Sec 30) (Cl.29) 2007 ,IS 302 (Part-1) (Cl. 29): 2008,IEC 60335-2-30: 2009
416.		Components	IS 302(Part-2/Sec 30) (Cl.24) 2007&IS 302 (Part-1) (Cl. 24): 2008,IEC 60335-2-30: 2009
417.		Construction	IS 302(Part-2/Sec 30) (Cl.22) 2007&IS 302 (Part-1) (Cl. 22): 2008, IEC 60335-2-30: 2009
418.		Leakage current and electric strength at operating temperature	IS 302(Part-2/Sec 30) (Cl.13) 2007&IS 302 (Part-1) (Cl. 13): 2008,IEC 60335-2-30: 2009
419.		Leakage current and electric strength	IS 302(Part-2/Sec 30) (Cl.16) 2007&IS 302 (Part-1) (Cl. 16): 2008,IEC 60335-2-30: 2009
420.		Power input and current	IS 302(Part-2/Sec 30)(Cl.10) 2007&IS 302 (Part-1) (Cl. 10): 2008,IEC 60335-2-30: 2009
421.		Internal wiring	IS 302(Part-2/Sec 30) (Cl.23) 2007,IS 302 (Part-1) (Cl. 23): 2008,IEC 60335-2-30: 2009

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Electrical Testing			
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Domestic Electrical Appliances			
422.	Room Heaters	Marking and instructions	IS 302(Part-2/Sec 30) (Cl.7) 2007&IS 302 (Part-1) (Cl. 7): 2008,IEC 60335-2-30: 2009
423.		Mechanical Strength	IS 302(Part-2/Sec 30) (Cl.21) 2007&IS 302 (Part-1) (Cl. 21): 2008,IEC 60335-2-30: 2009
424.		Moisture Resistance	IS 302(Part-2/Sec 30) (Cl.15) 2007&IS 302 (Part-1) (Cl. 15): 2008, IEC 60335-2-30: 2009
425.		Protection against Electric Shock	IS 302(Part-2/Sec 30) (Cl.8) 2007 &IS 302 (Part-1) (Cl. 8): 2008,IEC 60335-2-30: 2009
426.		Provision For Earthing	IS 302(Part-2/Sec 30) (Cl.27) 2007&IS 302 (Part-1) (Cl. 27): 2008,IEC 60335-2-30: 2009
427.		Resistance to Heat and Fire	IS 302(Part-2/Sec 30) (Cl.30) 2007&IS 302 (Part-1) (Cl. 30): 2008,IEC 60335-2-30: 2009
428.		Resistance to Rusting	IS 302(Part-2/Sec 30) (Cl.31) 2007&IS 302 (Part-1) (Cl. 31): 2008,IEC 60335-2-30: 2009

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Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
429.	Room Heaters	Screws And Connection	IS 302(Part-2/Sec 30) (Cl.28) 2007&IS 302 (Part-1) (Cl. 28): 2008,IEC 60335-2-30: 2009
430.		Stability and Mechanical Hazards	IS 302(Part-2/Sec 30) (Cl.20) 2007&IS 302 (Part-1) (Cl. 20): 2008,IEC 60335-2-30: 2009
431.		Supply Connection and External Flexible Cords	IS 302(Part-2/Sec 30) (Cl.25) 2007&IS 302 (Part-1) (Cl. 25): 2008,IEC 60335-2-30: 2009
432.		Heating	IS 302(Part-2/Sec 30) (Cl.11) 2007,IS 302 (Part-1) (Cl. 11): 2008, IEC 60335-2-30: 2009
433.		Transient over voltage	IS 302(Part-2/Sec 30) (Cl.14) 2007&IS 302 (Part-1) (Cl. 14): 2008,IEC 60335-2-30: 2009
434.		Overload protection transformer associate circuit	IS 302(Part-2/Sec 30) (Cl.17) 2007&IS 302 (Part-1) (Cl. 17): 2008,IEC 60335-2-30: 2009
435.		Terminal for external conductors	IS 302(Part-2/Sec 30) (Cl.26) 2007&IS 302 (Part-1) (Cl. 26): 2008,IEC 60335-2-30: 2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
436.	Room Heaters	Radiation, toxicity and similar hazards	IS 302(Part-2/Sec 30) (Cl.32) 2007&IS 302 (Part-1) (Cl. 32): 2008,IEC 60335-2-30: 2009
437.	Electric Instantaneous Water Heaters	Abnormal Operation	IS 302(Part-2/Sec-35) (Cl.19) 2017 & IS 302 (Part-1)(Cl. 19): 2008
438.		Classification	IS 302(Part-2/Sec-35) (Cl.6) 2017& IS 302 (Part-1) (Cl. 6): 2008
439.		Clearances, Creepage Distances and Solid Insulation	IS 302(Part-2/Sec-35) (Cl.29) 2017& IS 302 (Part-1) (Cl. 29): 2008
440.		Components	IS 302(Part-2/Sec 35) (Cl.24) 2017&IS 302 (Part-1) (Cl. 24): 2008
441.		Construction	IS 302(Part-2/Sec 35) (Cl.22) 2017&IS 302 (Part-1) (Cl. 22): 2008
442.		Leakage current and electric strength at operating temperature	IS 302(Part-2/Sec 35) (Cl.13) 2017&IS 302 (Part-1) (Cl. 13): 2008
443.		Leakage current and electric strength	IS 302(Part-2/Sec 35) (Cl.16) 2017&IS 302 (Part-1) (Cl. 16): 2008
444.		Power input and current	IS 302(Part-2/Sec 35)(Cl.10) 2017&IS 302 (Part-1) (Cl. 10): 2008
445.		Internal wiring	IS 302(Part-2/Sec 35) (Cl.23) 2017&IS 302 (Part-1) (Cl. 23): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
446.	Electric Instantaneous Water Heaters	Marking and instructions	IS 302(Part-2/Sec 35) (Cl.7) 2017&IS 302 (Part-1) (Cl. 7): 2008
447.		Mechanical Strength	IS 302(Part-2/Sec 35) (Cl.21) 2017&IS 302 (Part-1) (Cl. 21): 2008
448.		Moisture Resistance	IS 302(Part-2/Sec 35) (Cl.15) 2017&IS 302 (Part-1) (Cl. 15): 2008
449.		Protection against Electric Shock	IS 302(Part-2/Sec 35) (Cl.8) 2017&IS 302 (Part-1) (Cl. 8): 2008
450.		Provision For Earthing	IS 302(Part-2/Sec 35) (Cl.27) 2017&IS 302 (Part-1) (Cl. 27): 2008
451.		Resistance to Heat and Fire	IS 302(Part-2/Sec 35) (Cl.30) 2017&IS 302 (Part-1) (Cl. 30): 2008
452.		Resistance to Rusting	IS 302(Part-2/Sec 35) (Cl.31) 2017&IS 302 (Part-1) (Cl. 31): 2008
453.		Screws And Connection	IS 302(Part-2/Sec 35) (Cl.28) 2017&IS 302 (Part-1) (Cl. 28): 2008
454.		Stability and Mechanical Hazards	IS 302(Part-2/Sec 35) (Cl.20) 2017& IS 302 (Part-1) (Cl. 20): 2008
455.		Supply Connection and External Flexible Cords	IS 302(Part-2/Sec 35) (Cl.25) 2017&IS 302 (Part-1) (Cl. 25): 2008
456.		Heating	IS 302(Part-2/Sec 35) (Cl.11) 2017&IS 302 (Part-1) (Cl. 11): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
457.	Electric Instantaneous Water Heaters	Transient over voltage	IS 302(Part-2/Sec 35) (Cl.14) 2017&IS 302 (Part-1) (Cl. 14): 2008
458.		Overload protection transformer associate circuit	IS 302(Part-2/Sec 35) (Cl.17) 2017&IS 302 (Part-1) (Cl. 17): 2008
459.		Terminal for external conductors	IS 302(Part-2/Sec 35) (Cl.26) 2017&IS 302 (Part-1) (Cl. 26): 2008
460.		Radiation, toxicity and similar hazards	IS 302(Part-2/Sec 35) (Cl.32) 2017&IS 302 (Part-1) (Cl. 32): 2008
461.		Abnormal Operation	IS 302(Part-2/Sec-35) (Cl.19) 2017 & IS 302 (Part-1)(Cl. 19): 2008
462.		Classification	IS 302(Part-2/Sec-35) (Cl.6) 2017&IS 302 (Part-1) (Cl. 6): 2008
463.		Clearances, Creepage Distances And Solid Insulation	IS 302(Part-2/Sec-35) (Cl.29) 2017&IS 302 (Part-1) (Cl. 29): 2008
464.		Components	IS 302(Part-2/Sec 35) (Cl.24) 2017&IS 302 (Part-1) (Cl. 24): 2008
465.		Construction	IS 302(Part-2/Sec 35) (Cl.22) 2017&IS 302 (Part-1) (Cl. 22): 2008
466.		Leakage current and electric strength at operating temperature	IS 302(Part-2/Sec 35) (Cl.13) 2017&IS 302 (Part-1) (Cl. 13): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
467.	Electric Instantaneous Water Heaters	Leakage current and electric strength	IS 302(Part-2/Sec 35) (Cl.16) 2017&IS 302 (Part-1) (Cl. 16): 2008
468.		Power input and current	IS 302(Part-2/Sec 35)(Cl.10) 2017&IS 302 (Part-1) (Cl. 10): 2008
469.		Internal wiring	IS 302(Part-2/Sec 35) (Cl.23) 2017&IS 302 (Part-1) (Cl. 23): 2008
470.		Marking and instructions	IS 302(Part-2/Sec 35) (Cl.7) 2017&IS 302 (Part-1) (Cl. 7): 2008
471.		Mechanical Strength	IS 302(Part-2/Sec 35) (Cl.21) 2017&IS 302 (Part-1) (Cl. 21): 2008
472.		Moisture Resistance	IS 302(Part-2/Sec 35) (Cl.15) 2017&IS 302 (Part-1) (Cl. 15): 2008
473.		Protection against Electric Shock	IS 302(Part-2/Sec 35) (Cl.8) 2017&IS 302 (Part-1) (Cl. 8): 2008
474.		Provision For Earthing	IS 302(Part-2/Sec 35) (Cl.27) 2017&IS 302 (Part-1) (Cl. 27): 2008
475.		Resistance to Heat and Fire	IS 302(Part-2/Sec 35) (Cl.30) 2017&IS 302 (Part-1) (Cl. 30): 2008
476.		Resistance to Rusting	IS 302(Part-2/Sec 35) (Cl.31) 2017&IS 302 (Part-1) (Cl. 31): 2008
477.	Screws And Connection	IS 302(Part-2/Sec 35) (Cl.28) 2017&IS 302 (Part-1) (Cl. 28): 2008	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
478.	Electric Instantaneous Water Heaters	Stability and Mechanical Hazards	IS 302(Part-2/Sec 35) (Cl.20) 2017&IS 302 (Part-1) (Cl. 20): 2008
479.		Supply Connection and External Flexible Cords	IS 302(Part-2/Sec 35) (Cl.25) 2017&IS 302 (Part-1) (Cl. 25): 2008
480.		Heating	IS 302(Part-2/Sec 35) (Cl.11) 2017&IS 302 (Part-1) (Cl. 11): 2008
481.		Transient over voltage	IS 302(Part-2/Sec 35) (Cl.14) 2017&IS 302 (Part-1) (Cl. 14): 2008
482.		Overload protection transformer associate circuit	IS 302(Part-2/Sec 35) (Cl.17) 2017&IS 302 (Part-1) (Cl. 17): 2008
483.		Terminal for external conductors	IS 302(Part-2/Sec 35) (Cl.26) 2017&IS 302 (Part-1) (Cl. 26): 2008
484.		Radiation, toxicity and similar hazards	IS 302(Part-2/Sec 35) (Cl.32) 2017&IS 302 (Part-1) (Cl. 32): 2008
485.		Stationary Storage Type Electric water Heaters	Cyclic Temperature Variation
486.	Deviation from Dial Calibration		IS 2082 (Cl. 19): 2018
487.	Finish		IS 2082 (Cl. 21): 2007
488.	Hot water Output		IS 2082 (Cl. 16): 2007

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
489.	Stationary Storage Type Electric water Heaters	Mixing Factor	IS 2082 (Cl. 18): 2018
490.		Reheating Time	IS 2082 (Cl. 17): 2018
491.		Standing Loss per 24 hours	IS 2082 (Cl. 15): 2018
492.		Verification of the Rated Capacity	IS 2082 (Cl. 14): 2018
493.	Insect killer	Abnormal Operation	IS 302(Part-2/Sec-59) (Cl.19) 1999 & IS 302 (Part-1 (Cl. 19): 2008
494.		Classification	IS 302(Part-2/Sec-59) (Cl.6)1999&IS 302 (Part-1) (Cl. 6): 2008
495.		Clearances, Creepage Distances and Solid Insulation	IS 302(Part-2/Sec-59) (Cl.29)1999&IS 302 (Part-1) (Cl. 29): 2008
496.		Components	IS 302(Part-2/Sec-59) (Cl.24)1999&IS 302 (Part-1) (Cl. 24): 2008
497.		Construction	IS 302(Part-2/Sec-59) (Cl.22)1999&IS 302 (Part-1) (Cl. 22): 2008
498.		Leakage current and electric strength at operating temperature	IS 302(Part-2/Sec-59) (Cl.13)1999&IS 302 (Part-1) (Cl. 13): 2008
499.		Leakage current and electric strength	IS 302(Part-2/Sec 59) (Cl.16)1999&IS 302 (Part-1) (Cl. 16): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
500.	Insect killer	Power input and current	IS 302(Part-2/Sec 59)(Cl.10)1999&IS 302 (Part-1) (Cl. 10): 2008
501.		Internal wiring	IS 302(Part-2/Sec 59) (Cl.23)1999&IS 302 (Part-1) (Cl. 23): 2008
502.		Marking and instructions	IS 302(Part-2/Sec 59) (Cl.7)1999&IS 302 (Part-1) (Cl. 7): 2008
503.		Mechanical Strength	IS 302(Part-2/Sec 59) (Cl.21) 1999&IS 302 (Part-1) (Cl. 21): 2008
504.		Moisture Resistance	IS 302(Part-2/Sec 59) (Cl.15) 1999&IS 302 (Part-1) (Cl. 15): 2008
505.		Protection against Electric Shock	IS 302(Part-2/Sec 59) (Cl.8) 1999&IS 302 (Part-1) (Cl. 8): 2008
506.		Provision For Earthing	IS 302(Part-2/Sec 59) (Cl.27) 1999&IS 302 (Part-1) (Cl. 27): 2008
507.		Resistance to Heat and Fire	IS 302(Part-2/Sec 59) (Cl.30) 1999 & IS 302 (Part-1) (Cl. 30): 2008
508.		Resistance to Rusting	IS 302(Part-2/Sec 59) (Cl.31) 1999& IS 302 (Part-1) (Cl. 31): 2008
509.		Screws And Connection	IS 302(Part-2/Sec 59) (Cl.28) 1999 &IS 302 (Part-1) (Cl. 28): 2008
510.		Stability and Mechanical Hazards	IS 302(Part-2/Sec 59) (Cl.20) 1999& IS 302 (Part-1) (Cl. 20): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
511.	Insect killer	Supply Connection and External Flexible Cords	IS 302(Part-2/Sec 59) (Cl.25) 1999& IS 302 (Part-1) (Cl. 25): 2008
512.		Heating	IS 302(Part-2/Sec 59) (Cl.11) 1999& IS 302 (Part-1) (Cl. 11): 2008
513.		Transient over voltage	IS 302(Part-2/Sec 59) (Cl.14) 1999& IS 302 (Part-1) (Cl. 14): 2008
514.		Overload protection transformer associate circuit	IS 302(Part-2/Sec 59) (Cl.17) 1999 &IS 302 (Part-1) (Cl. 17): 2008
515.		Terminal for external conductors	IS 302(Part-2/Sec 59) (Cl.26) 1999&IS 302 (Part-1) (Cl. 26): 2008
516.		Radiation, toxicity and similar hazards	IS 302(Part-2/Sec 59) (Cl.32) 1999&IS 302 (Part-1) (Cl. 32): 2008
517.		Electric Iron-Specification	Finish
518.	Specification for propeller type ac ventilating fans	Sizes	IS 2312(Cl.3): 1967
519.		Rated voltages	IS 2312(Cl.4): 1967
520.		Rated frequency	IS 2312(Cl.5): 1967
521.		Design and general construction	IS 2312(Cl.6): 1967
522.		Finish	IS 2312(Cl.7): 1967
523.		Insulating materials	IS 2312(Cl.8): 1967

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
524.	Specification for propeller type ac ventilating fans	Speed regulators	IS 2312(Cl.9): 1967
525.		Starting	IS 2312(Cl.10.1): 1967
526.		Interchangeability	IS 2312(Cl.11): 1967
527.		Silent operation	IS 2312(Cl.12): 1967
528.		Marking	IS 2312(Cl.13): 1967
529.		Air delivery	IS 2312(Cl.14.2): 1967
530.		Temperature-rise	IS 2312(Cl.14.3): 1967
531.		Moisture proofness	IS 2312(Cl.14.4): 1967
532.		Mechanical endurance (for regulator only)	IS 2312(Cl.14.5): 1967
533.		Power factor	IS 2312(Cl.14.6): 1967
534.		AC leakage	IS 2312(Cl.14.7): 1967
535.		Test for capacitor	IS 2312(Cl.6.9): 1967
536.		High voltage	IS 2312(Cl.14.8): 1967
537.		Insulation-resistance	IS 2312(Cl.14.9): 1967
538.		Earthing continuity	IS 2312(Cl.14.10): 1967

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
539.	Specification for propeller type ac ventilating fans	Electrical input	IS 2312(CI.14.11): 1967
540.		Fan speed	IS 2312(CI.14.12): 1967
541.	Household and Similar Electrical Appliances - Safety - Part 1 General Requirements	Classification	Cl.6 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
542.		Marking and Instructions	Cl.7 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
543.		Protection Against Access to Live Parts	Cl.8 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
544.		Power input and Current	Cl.10 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
545.		Heating	Cl.11 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
546.		Charging of Metal-ion batteries	Cl.12 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
547.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
548.		Transient over Voltage	Cl.14 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
549.		Moisture Resistance	Cl.15 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
550.		Leakage current and Electric Strength	Cl.16 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
551.	Household and Similar Electrical Appliances - Safety - Part 1 General Requirements	Overload protection of transformers associated circuits	Cl.17 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
552.		Abnormal Operation	Cl.19 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
553.		Stability and Mechanical Hazards	Cl.20 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
554.		Mechanical Strength	Cl.21 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
555.		Construction	Cl.22 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
556.		Internal Wiring	Cl.23 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
557.		Components	Cl.24 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
558.		Supply Connection and External Flexible Cords	Cl.25 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
559.		Terminals for External Conductors	Cl.26 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
560.	Household and Similar Electrical Appliances - Safety - Part 1 General Requirements	Provision for Earthing	Cl.27 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
561.		Screw and Connections	Cl.28 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
562.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
563.		Resistance to Heat ,Fire and tracking	Cl.30 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
564.		Resistance to Rusting	Cl.31 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
565.		Radiation, Toxicity and similar hazards	Cl.32 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
566.		Electric Iron	Classification and Rating
567.	Marking and Instructions		Cl.7 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
568.	Protection Against Access to Live Parts		Cl.8 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
569.	Power input and Current		Cl.10 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
570.	Heating		Cl.11 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)

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Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
571.	Electric Iron	Charging of Metal-ion batteries	Cl.12 of IS 302-2-21:2024 & IEC 60335-2-21:2022
572.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
573.		Transient over Voltage	Cl.14 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
574.		Moisture Resistance	Cl.15 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
575.		Leakage current and Electric Strength	Cl.16 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
576.		Overload protection of transformers associated circuits	Cl.17 of IS 302-2-21:2024 & IEC 60335-2-21:2022
577.		Abnormal Operation	Cl.19 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
578.		Stability and Mechanical Hazards	Cl.20 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
579.		Mechanical Strength	Cl.21 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
580.		Construction	Cl.22 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
581.		Internal Wiring	Cl.23 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
582.	Electric Iron	Components	Cl.24 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
583.		Supply Connection and External Flexible Cords	Cl.25 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
584.		Terminals for External Conductors	Cl.26 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
585.		Provision for Earthing	Cl.27 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
586.		Screw and Connections	Cl.28 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
587.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
588.		Resistance to Heat, Fire and tracking	Cl.30 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
589.		Resistance to Rusting	Cl.31 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
590.		Radiation, Toxicity and similar hazards	Cl.32 of IS 302 : Part 2 : Sec 3 : 2024 (IEC 60335-2-3 : 2022)
591.		Measurement of Heating –up Time	Cl. 10 of IS 366:1991
592.		Measurement of Soleplate Temperature	Cl. 11 of IS 366:1991

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Domestic Electrical Appliances			
593.	Electric Iron	Measurement of Temperature Distribution	Cl. 12 of IS 366:1991
594.		Measurement of Initial Overswing Temperature and Heating-up Excess Temperature	Cl. 13 of IS 366:1991
595.		Measurement of Cyclic Fluctuation of Temperature	Cl. 14 of IS 366:1991
596.		Measurement of Thermostatic Stability	Cl. 16 of IS 366:1991
597.		Finish	Cl. 17 of IS 366:1991



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Electrical Testing			
S.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitor		
1.	A.C motor capacitors	Tangent angle loss	Cl.5.5 of IS 2993(Part-1): 2024, IEC 60335-1:2010
2.		Visual examination	Cl.5.6 of IS 2993(Part-1): 2024, IEC 60335-1:2010
3.		Voltage test between terminal	Cl.5.7 of IS 2993(Part-1): 2024, IEC 60335-1:2010
4.		Voltage test between terminal and case	Cl.5.8 of IS 2993(Part-1): 2024, IEC 60335-1:2010
5.		Capacitance measurement	Cl.5.9 of IS 2993(Part-1): 2024, IEC 60335-1:2010
6.		Check of dimension	Cl.5.10 of IS 2993(Part-1): 2024, IEC 60335-1:2010
7.		Mechanical test	Cl.5.11 of IS 2993(Part-1): 2024, IEC 60335-1:2010
8.		Sealing test	Cl.5.12 of IS 2993(Part-1): 2024, IEC 60335-1:2010
9.		Endurance test	Cl.5.13 of IS 2993(Part-1): 2024, IEC 60335-1:2010
10.		Damp heat test	Cl.5.14 of IS 2993(Part-1): 2024, IEC 60335-1:2010
11.		Self-healing test	Cl.5.15 of IS 2993(Part-1): 2024, IEC 60335-1:2010

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Electrical Testing			
S.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Capacitor		
12.	A.C motor capacitors	Destruction test	Cl.5.16 of IS 2993(Part-1): 2024, IEC 60335-1:2010
13.		Resistance to heat, fire and tracking	Cl.5.17 of IS 2993(Part-1): 2024, IEC 60335-1:2010
14.		Permissible overloads	Cl.6 of IS 2993(Part-1): 2024, IEC 60335-1:2010
15.		Safety requirement	Cl.7 of IS 2993(Part-1): 2024, IEC 60335-1:2010
16.		Marking	Cl.8 of IS 2993(Part-1): 2024, IEC 60335-1:2010



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Building, Infrastructure and Construction Materials			
1.	High Density Polyethylene (HDPE) Pipes	Colour	IS 4984: 2016
2.	High Density Polyethylene (HDPE) Pipes	Identification of Strips	IS 4984: 2016
3.	High Density Polyethylene (HDPE)/ Medium Density Polyethylene (MDPE)/ Polyethylene (PE) Pipes & Materials	Internal Pressure Creep Rupture Test	IS 4984: 2016
4.		Tensile Strength for Butt fusion	IS 2530: 1963
5.	Polyethylene Pipe	Dimension (Outside Diameter, Wall Thickness)	IS 12786: 1989
6.		Elongation at Break	IS 17425: 2020
7.		Hydraulic Characteristics	IS 12786: 1989
8.		Hydraulic Characteristics (Acceptance Test)	IS 12786: 1989
9.	Polyethylene Pipe	Reversion Test	IS 12786: 1989
10.		Susceptibility to environmental Stress Cracking	IS 12786: 1989
11.		Tensile Strength at Break	IS 2530: 1963
12.		Visual Appearance	IS 12786: 1989

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Building, Infrastructure and Construction Materials			
13.	Polypropylene- Random Copolymer Pipes (PPR) Pipe	Fusion Compatibility	IS 15801: 2008
14.		Impact Strength	IS 15801: 2008
15.		Thermal Stability by Hydrostatic Pressure Testing	IS 15801: 2008
16.		Ovality	IS 15801: 2008
17.		Dimension (Outside diameter, wall thickness, Ovality)	IS 15801: 2008
18.	Quick Coupled PE pipes	Appearance	IS 17425: 2020
19.		Dimension (Outside Diameter, Wall Thickness, Ovality)	IS 17425: 2020
20.		Elongation at Break	IS 2530: 1963
21.		Fusion Compatibility (Quality and Acceptance Test)	IS 17425: 2020
22.		Holding Attachment for Coupler parts	IS 17425: 2020
23.		Hydraulic Characteristics (Internal Pressure Creep Rupture Quality and Acceptance Test)	IS 17425: 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Building, Infrastructure and Construction Materials			
24.	Quick Coupled PE pipes	Hydraulic Proof Test	IS17425: 2020
25.		Leakage Test	IS 17425: 2020
26.		Reversion Test	IS 17425: 2020
27.		Tensile Strength at yield	IS 2530: 1963
28.		Visual Appearance and Workmanship	IS 17425: 2020
29.		Wall Thickness of Coupler	IS 17425: 2020
30.		Weld ability Test (Quality and Acceptance test)	IS 17425: 2020
31.	Unplasticized Polyvinyl Chloride (UPVC) Pipes	Colour	IS 13592: 2013
32.	UPVC Pipes & Fittings/CPVC Pipe & Fittings	Dimensions and Slots	IS 12818: 2010
33.		General Appearance	IS 12818: 2010
34.		Resistance to Chemical Action	IS 12235 (Part-7):2004
35.		Reversion Test	IS 12235 (Part-5):2004
36.		Reversion Test	IS 15778: 2007
37.		Tensile Strength	IS 2530: 1963

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Building, Infrastructure and Construction Materials			
38.	UPVC Pipes & Fittings/CPVC Pipes & Fittings	Density/Specific Gravity	IS 12235 (Part-14/Section-1): 2004
39.	UPVC/CPVC Pipes& Fittings	Hydrostatic Pressure Test (Long/Short terms)	IS 12235(P-8): 2004
40.		Flattening Test	IS 12235(P-19): 2004
41.		Impact Resistance/ Resistance to External Blows	IS 13592: 2013
42.		Impact Resistance/Resistance to External Blows	IS 4985: 2021
43.		Impact Resistance/Resistance to External Blows	IS 12235(P-9): 2004
44.		Vicat Softening Temperature	IS 12235(P-2): 2004
45.		Plastic Sheet	Hardness Shore D
46.	Water Storage Tank	Resistance to impact	IS 12701: 1996
47.		Resistance to top load test	IS 12701: 1996
48.	Rotational Moulded	Dimensions	IS 12701: 1996
49.	Polyethylene Water Storage	Finish	IS 12701: 1996
50.	Tanks	Flexural Modulus	IS 13360 (Part-5/Section-7): 2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Building, Infrastructure and Construction Materials			
51.	Rotational Moulded	Overall Migration	IS 9845: 1998
52.	Polyethylene Water Storage Tanks	Resistance to Deformation	IS 12701: 1996
53.		Tensile Strength	IS 2530: 1963
54.	UPVC Pipes & Fittings/CPVC Pipe & Fittings	Opacity	IS 12235(P-3): 2004
55.		Tensile Strength	IS 2530: 1963
56.		Vicat Softening Temperature	IS 12235(P-2): 2004
57.		Visual Appearance	IS 4985: 2021
58.		Visual Appearance	IS 12818: 2010
59.		Visual Appearance	IS 10124(P-1): 2009
60.		Vicat Sotening Temperature	IS 6307: 1985
61.		High Density Polyethylene (HDPE)/ Medium Density Polyethylene (MDPE)/ Polyethylene (PE) Pipes	Density/Specific Gravity
62.	High Density Polyethylene (HDPE)/ Medium Density Polyethylene (MDPE)/ Polyethylene (PE) Pipes	Density/Specific Gravity	ASTM D 297: 2015
63.		Dimension (Outside Diameter, wall Thickness, Ovality)	IS 14151 (Part-1): 1999
64.		Dimension (Outside Diameter, Wall Thickness, Ovality)	IS 4984: 2016

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Building, Infrastructure and Construction Materials			
65.	High Density Polyethylene (HDPE)/ Medium Density Polyethylene (MDPE)/ Polyethylene (PE) Pipes	Impact Resistance/Resistance to External Blows	IS 13592: 2013
66.		Reversion Test	IS 4984: 2016
67.		Reversion Test	IS 14151 (Part-1):1999
68.		Visual Appearance	IS 14151 (Part-2):2008
69.		Visual Appearance	IS 14151 (Part-1):1999
70.		Visual Appearance	IS 4984: 2016
71.		Elongation	IS 2530: 1963
72.		Melt Flow Rate	IS 2530: 1963
73.		Thermal Stability (Oxidation Induction Time)	IS 4984: 2016 Annex C
74.		Visual Appearance	IS 14151(P-1): 1999
75.		Visual Appearance	IS 14151(P-2): 2008
76.		Visual Appearance	IS 4984: 2016
77.		Slow Crack Growth Rate Test	IS 4984: 2016 Annex-E & J
78.		Tensile Strength at Yield	IS 2530: 1963

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Building, Infrastructure and Construction Materials			
79.	High Density Polyethylene (HDPE)/ Polyethylene (PE)/ Polypropylene Random Copolymer (PPR) Pipe	Hydrostatic Pressure Test (Long/Short term)	IS 4984: 2016
80.	UPVC Pipes & Fittings/CPVC Pipe	Dimension (Outside Diameter, Inside Diameter, wall Thickness, Socket Length)	IS 12818: 2010
81.		Resistance to Chemical Action	IS 13592: 2013
82.		Tensile Strength	IS 2530: 1963
83.		Visual Appearance	IS 12818: 2010
84.		Visual Appearance	IS 10124 (Part-2):2009
85.		Visual Appearance	IS 4985: 2021
86.		Visual Appearance	IS 2508: 2016
87.		Density/Specific Gravity	ASTM D 297: 2015
88.		Dimension (Outside Diameter, Inside Diameter, wall Thickness, Socket Length)	IS 10124: 2009

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Building, Infrastructure and Construction Materials			
89.	UPVC Pipes & Fittings/CPVC Pipe & Fittings	Dimension (Outside Diameter, Inside Diameter, wall Thickness, Socket Length)	IS 12235 (Part-1): 2004
90.		Dimension (Outside Diameter, Inside Diameter, wall Thickness, Socket Length)	IS 15778: 2007
91.		Dimension (Outside Diameter, Inside Diameter, wall Thickness, Socket Length)	IS 4985: 2021
92.		Dimension (Outside Diameter, Inside Diameter, wall Thickness, Socket Length)	IS 13592: 2013
93.		Resistance to Chemical Action	IS 12235 (Part-7):2004
94.		Reversion Test	IS 12235 (Part-5):2004
95.		Reversion Test	IS 15778: 2007
96.		Tensile Strength	IS 2530: 1963
97.		Density/Specific Gravity	IS 12235 (Part-14/Section-1): 2004

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
98.	UPVC/CPVC Pipes & Fittings	Hydrostatic Pressure Test (Long/Short terms)	IS 12235(P-8): 2004
99.		Flattening Test	IS 12235(P-19): 2004
100.		Impact Resistance/ Resistance to External Blows	IS 13592: 2013
101.		Impact Resistance/Resistance to External Blows	IS 4985: 2021
102.		Impact Resistance/Resistance to External Blows	IS 12235(P-9): 2004
103.		Vicat Softening Temperature	IS 12235(P-2): 2004
104.	Plastic Sheet	Hardness Shore D	IS 13360 (Part-5/Section- 11): 2013

***Note:**

Scope Amendment 1:

The following amendments have been done in the scope w.e.f. **09 December 2025:**

- Inclusion of parameters have been done on Page No. 85-86 in S. No. 485 and 492 under **Domestic Electrical Appliances (Electrical Discipline)**.

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