

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Certificate of Accreditation

**Aaditech Test and Calibration Lab LLP**

(Name Change from Aaditech Test and Calibration Lab w.e.f. 17 September 2024)

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**

(Replacing CLA with CIA w.e.f. 17 September 2024)

Valid from: 24 July 2023

**Dr. Bhupendra Kumar Rana**  
Chief Executive Officer

Valid until: 23 July 2025

**Prof. Vikram Kumar**  
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: [www.qai.org.in](http://www.qai.org.in)



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(Name Change w.e.f.: 17 September 2024)

Valid until: **23 July 2025**

**Accreditation Standard: ISO/IEC 17025:2017**

Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
1.	Elastomer insulated Cables for working voltages up to and including 1100 V	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
2.	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
3.	Elastomer insulated Cables for working voltages up to and including 1100 V	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.	Elastomer insulated Cables for working voltages up to and including 1100 V	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.	Elastomer insulated Cables for working voltages up to and including 1100 V	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.	Elastomer insulated Cables for working voltages up to and including 1100 V	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.	Elastomer insulated Cables for working voltages up to and including 1100 V	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.	Elastomer insulated Cables for working voltages up to and including 1100 V	Cord Flexing test	IS 9968(Pt-1) (Cl. 21.4 22.4): 1988

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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.	Elastomer insulated Cables for working voltages up to and including 1100 V	Flammability test	IS 9968(Pt-1) (Cl.21.1 & Cl. 22.3) :1988 IS 10810 (Part- 53): 1984
11.	Elastomer insulated Cables for working voltages up to and including 1100 V	High voltage Test (Water Immersion)	IS 9968(Pt-1) (Cl. 21.1 & Cl. 22.2) :1988 IS 10810 (Part-45): 1984
12.	Elastomer insulated Cables for working voltages up to and including 1100 V	Hot Set Test	IS 9968(Pt-1) (Cl. 21.1(e) & Cl. 4.1(Table-1) 1988 IS 10810(Part-30): 1984
13.	Elastomer insulated Cables for working voltages up to and including 1100 V	Insulation resistance	IS 9968(Pt-1) (Cl. 21.1) :1988 IS 6380 (Cl. 4.1(Table-2) IS 10810 (Part-43): 1984
14.	Elastomer insulated Cables for working voltages up to and including 1100 V	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.	Elastomer insulated Cables for working voltages up to and including 1100 V	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.	Elastomer insulated Cables for working voltages up to and including 1100 V	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
	<b>Cables &amp; wires</b>		
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.	Elastomer insulated Cables for working voltages up to and including 1100 V	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.	Elastomer insulated Cables for working voltages up to and including 1100 Vs	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.	Elastomer insulated Cables for working voltages up to and including 1100 V	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.	Elastomer insulated Cables for working voltages up to and including 1100 V	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.	Insulated Cables for working voltages up to and including 1100 V	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 Voltages Up to And Including 1100 V	Additional ageing test (for OU cable only)	IS 694 (Cl.10.9): 2010





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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
24.	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- 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
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.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor For Rated Voltages Up to And Including 1100 V	Loss of Mass	IS 694 Table-1) C 2 IS 10810 (Part 10): 1984 IS 5831 (Table -1) V: 1984
27.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	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

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
28.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	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.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	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.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	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.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	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 10810 (Part-7): 1984



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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
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.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Halogen Acid Gas	IS 694 (Table-1, i).c).d).10),13) (Cl. 10.6):2010 IS 10810 (Part-59): 1988
34.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	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.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	High voltage Test (AC) Water immersion	IS 694 (Table-1, i). e).1),3) (Cl. 10.1):2010 IS 10810 (Part-45): 1984

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
36.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	High voltage Test (AC) Room Temperature	IS 694 (Table-1, i). e).1),3) (Cl. 10.2):2010 IS 10810 (Part-45): 1984
37.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	High voltage Test (DC) Water immersion	IS 694 (Table-1, i). e).1)3) (Cl. 10.1):2010 IS 10810 (Part-45): 1984
38.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	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
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

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
40.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	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, 19.1.6,19.1.7,20.1.2, 20.1.4, 20.1.5,21.1.2,22.1.2,22.1.4), (Table-3, 4, 5, 6,7,9,10):2010 IS 10810 (Part-6): 1984
41.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Oxygen Index Test	IS 694 (Table-1, i).c). d),8),11) (Cl. 10.5):2010 IS 10810 (Part-58): 1998
42.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Oxygen Index Test	IS 694 (Table-1, i).c). d),8),11) (Cl.10.5):2010 ASTMD 2863-09: 1995
43.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated	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

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
	Voltages Up To And Including 1100 V		
44.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Shrinkage test	IS 694 (Table-1, i).c).d),4) (Cl.5.4,8.4):2010 IS 5831 (Table-1) 1984 IS 10810 (Pt12): 1984
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.	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 ASTMD 2843: 1999
47.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid And Flexible Conductor For Rated	Temperature Index Test	IS 694 (Table-1, i).c). d),9),12) (Cl. 10.7):2010 IS 10810 (Part -64): 2003

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	<b>Cables &amp; wires</b>		
	Voltages Up To And Including 1100 V		
48.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Temperature Index Test	IS 694 (Table-1, i).c. d),9),12) (Cl.10.7):2010 ASTM D 2863- 09: 1995
49.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Tensile strength for Aluminium Conductor	IS 694 (Table-1, i). a).4) (Cl.4.2):2010 IS 8130 (Cl. 7.3): 2013 IS 10810(Part-5): 1984
50.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	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.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords With Rigid And Flexible Conductor For Rated	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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	<b>Cables &amp; wires</b>		
	Voltages Up To And Including 1100 V		
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.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	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.	PVC Insulated Cable upto1100 volts	Copper Purity	IS 191: 2007 IS 440:1964
55.	PVC Insulated Cable upto1100 volts	Lead Test	IS 191: 2007 IS 440:1964
56.	PVC Insulated Cable upto1100 volts	Oxygen Test	IS 191: 2007 IS 440:1964
57.	PVC Insulated Cable upto1100 volts	Bismuth Test	IS 191: 2007 IS 440:1964
58.	Crosslinked polyethylene insulated PVC sheathed cables	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

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	<b>Cables &amp; wires</b>		
	part 1 for working voltages up to and including 1100 volts		
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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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
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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables	Conductor resistance	IS 7098 (Part-1) (Cl. 15.1(a)- iv) 1988

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# Quality And Accreditation Institute

## Centre for International Accreditation

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### Scope of Accreditation

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
	part 1 for working voltages up to and including 1100 volts		IS 8130 (Cl.7.3(Table-1,2) 2013 IS 10810 (Part-5): 1984
65.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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
66.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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
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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables	Flammability test	IS 7098 (Part-1) (Cl. 15.1(h) Cl.16.3) 1988 IS 10810 (Part-53): 1984

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	<b>Cables &amp; wires</b>		
	part 1 for working voltages up to and including 1100 volts		
71.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	Halogen Acid Gas	IS 7098 (Part-1) (Cl. 15.1.1(C2)-& Cl.16.13, 16.8), 1988 IS 10810 (Part-59) 1988
72.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	High voltage Test	IS 7098 (Part-1) (Cl. 15.1(g) & Cl. 16.2) 1988 IS 10810 (Part-45): 1984
74.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	Insulation resistance (Volume Resistivity)	IS 7098 (Part-1) (Cl. 15.1(f) Cl.4.1(table- 1)1988 IS 10810 (Part-43):1984
76.	Crosslinked polyethylene insulated PVC sheathed cables	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

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# Quality And Accreditation Institute

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	<b>Cables &amp; wires</b>		
	part 1 for working voltages up to and including 1100 volts		
77.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	Mass of Zinc coating	IS 7098 (Part-1) (Cl. 15.1(b) Cl.13.6 (f) 1988 IS 3975 (Cl.9.1)1999 IS 10810 (Part-41): 1984
78.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	Oxygen Index Test	IS 7098 (Part-1) (Cl. 15.1.1(C1)-a Cl.16.4)1988 IS 10810 (Part-58): 1998
79.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	Oxygen Index Test	IS 7098 (Part-1) (Cl.15.1.1(C1)-a & Cl.16.4)1988 ASTM D 2863-9: 1995
80.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables	Smoke Density	IS 7098 (Part-1) (Cl. 15.1.1(C2)-e Cl.16.10)1988 ASTM D 2843: 1999

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# Quality And Accreditation Institute

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Electrical Testing			
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	<b>Cables &amp; wires</b>		
	part 1 for working voltages up to and including 1100 volts		
83.	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 IS 10810 (Part-64): 2003
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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables	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

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# Quality And Accreditation Institute

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
	part 1 for working voltages up to and including 1100 volts		
89.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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)1999 IS 10810 (Part-38):1984
91.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables part 1 for working voltages up to and including 1100 volts	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.	Crosslinked polyethylene insulated PVC sheathed cables	Wrapping test for Aluminium Conductor	IS 7098 (Part-1) (Cl. 15.1(a)- i)1988 IS 8130(Cl.7.2.2) 2013

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# Quality And Accreditation Institute

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
	part 1 for working voltages up to and including 1100 volts		IS 10810 (Part-3): 1984
95.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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(table-1,2) 1984 IS 10810 (Part-11): 1984
97.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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
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 IS3975 (Cl.8.4) 1999 IS10810 (Part-42): 1984
99.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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.	PVC Insulated (Heavy Duty) Electric Cables for working	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

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# Quality And Accreditation Institute

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
	voltages up to and including 1100 V		
101.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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
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.	PVC Insulated (Heavy Duty) Electric Cables for working	Flame retardance test on bunched cables	IS 1554 (Part-1) (Cl.15.1.1 (C1) & Cl. 16.7) 1988

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# Quality And Accreditation Institute

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	<b>Cables &amp; wires</b>		
	voltages up to and including 1100 V		
107.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Flame Retardance Test on Single Cable	IS 1554 (Part-1) (Cl. 15.1.1 (C1) & (Cl.16.7) IS 10810 (Part -62): 1984
108.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Flammability test	IS 1554 (Part-1) (Cl. 15.1(h) & 16.4 1988 IS10810 (Part-53): 1984
109.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Halogen Acid Gas	IS 1554 (Part-1) (Cl.15.1.1 (C2) & Cl.16.9) 1988 IS 10810 (Part-59): 1988
110.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	High voltage Test (AC) water immersion	IS 1554 (Part-1) (Cl.15.1(f) & 16.3 1988 IS10810 (Part 45):1984
112.	PVC Insulated (Heavy Duty) Electric Cables for working	High voltage Test (AC) Room Temperature	IS 1554 (Part-1) (Cl.15.1(f) & 16.2 1988 IS10810 (Part 45):1984

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	<b>Cables &amp; wires</b>		
	voltages up to and including 1100 V		
113.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	High voltage Test (DC) Water Immersion	IS 1554 (Part-1) Cl. 15.1(f) & 16.3:1988 IS10810 (Part-45): 1984
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.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Insulation resistance constant	IS 1554 (Part-1) (Cl. 15.1(e) 1988 IS 5831 (Cl.4.1 (table-1) 1984 IS 10810 (Part-43): 1984
116.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Mass of Zinc coating	IS 1554 (Part-1) (Cl. 15.1(b) & 13.6(f) 1988 IS 3975 (Cl.9.1):1999, IS 10810 (Part-41): 1984
118.	PVC Insulated (Heavy Duty) Electric Cables for working	Oxygen Index Test	IS 1554 (Part-1) (Cl.15.1.1 (C1, C2) & Cl.16.5:1988 IS 10810 (Part-58): 1998

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	<b>Cables &amp; wires</b>		
	voltages up to and including 1100 V		
119.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Oxygen Index Test	IS 1554 (Part-1) (Cl. 15.1.1 (C1, C2) & (Cl. 16.5) 1988 (ASTM D2863-09: 1995
120.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Resistivity & Conductance test of Armour (Wires/strips)	IS 1554 (Part-1) (Cl. 15.1(b) & 13.6(g) 1988 IS3975 (Cl. 8.4):1999 IS 10810 (Part-42): 1984
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 IS 10810 (Part-12): 1984
122.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Smoke Density	IS 1554 (Part-1) (Cl.15.1.1 (C2) 1988 IS 10810(Part-63):1993
123.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Temperature Index Test	IS 1554 (Part-1) (Cl. 15.1.1 (C1, C2) & Cl.16.10) 1988 IS 10810 (Part -64): 2003
124.	PVC Insulated (Heavy Duty) Electric Cables for working	Temperature Index Test	IS 1554 (Part-1) (Cl. 15.1.1 (C1, C2) & Cl.16.10) 1988 ASTM D2863-09: 1995

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# Quality And Accreditation Institute

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	<b>Cables &amp; wires</b>		
	voltages up to and including 1100 V		
125.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Tensile strength for Aluminium Conductor	IS 1554 (Part-1) (Cl. 15.1(a)-2):1988 IS8130 (Cl.7.2.1) 2003 IS10810 (Part-2): 1984
127.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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
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.	PVC Insulated (Heavy Duty) Electric Cables for working	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

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	<b>Cables &amp; wires</b>		
	voltages up to and including 1100 V		IS10810 (Part-38): 1984
131.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Volume Resistivity	IS 1554 (Part-1) (Cl. 15.1(e) 1988 IS 5831(Cl. 4.1(table-1) 1984 IS 10810 (Part-43): 1984
133.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	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.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Wrapping test for Aluminium Conductor	IS 1554 (Part-1) (Cl.15.1(a)-3):1988 IS 8130 (Cl.7.2.2) 2003 IS 10810 (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
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

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
137.	Welding Cables	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.	Welding Cables	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.	Welding Cables	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.	Welding Cables	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.	Welding Cables	Elongation at break	IS 9857 (Cl. 10.1.c.1):1990 IS 6380 (Cl. 4. (Table-2)1984 IS 10810 (Part-7): 1984
142.	Welding Cables	Flammability test	IS 9857 (Cl. 10.1.f & Cl. 11.4):1990 IS10810 (Part-53): 1984
143.	Welding Cables	High voltage Test (Water Immersion)	IS 9857 (Cl. 10.1.d & Cl.11.1) 1990 IS 10810 (Part-45): 1984
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.	Welding Cables	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

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
146.	Welding Cables	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.	Welding Cables	Static flexibility test	IS 9857 (Cl. 10.1.e, Cl.11.3):1990 IS 10810(Part-54): 1984
148.	Welding Cables	Tensile strength	IS 9857 (Cl. 10.1.c.1):1990 IS 6380 (Cl.4.1 (Table-2) 1984 IS 10810 (Part-7): 1984
149.	Welding Cables	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	IS 17048:2018 IS 10810 (Pt 5):1984
151.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Conductor resistance	IS 17048:2018 IS 10810 (Pt 5):1984
152.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Annealing test for Copper Conductor	IS 17048:2018 IS 10810 (Pt 1):1984
153.	Halogen Free Flame Retardant (HFFR) cables for	Persulphate test for tinned copper	IS 17048:2018 IS 10810 (Pt -4) :1984

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
	working voltage up to and including 1.1 kV.		
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.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Wrapping test for Aluminium Conductor	IS 17048:2018 IS 10810 (Pt 3):1984
156.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Test for Overall Dimensions and Thickness of Insulation & Sheath	IS 17048:2018 IS 10810 (Pt 6):1984
157.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Tensile strength of insulation before and after ageing	IS 17048:2018 IS 10810 (Pt 7):1984
158.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Elongation at break of insulation before and after ageing	IS 17048:2018 IS 10810 (Pt 7):1984
159.	Halogen Free Flame Retardant (HFFR) cables for	High voltage Test (AC)	IS 17048:2018 IS 10810 (Pt 45):1984

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
	working voltage up to and including 1.1 kV.		
160.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Insulation resistance	IS 17048:2018 IS 10810 (Pt 43):1984
161.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Oxygen Index Test	IS 17048:2018 IS 10810 (Pt 58):1998 ASTM D 2863-09
162.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Temperature Index Test	IS 17048:2018 IS 10810 (Pt -64) :2003
163.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Ageing in air oven	IS 17048:2018 IS 10810 (Pt 11):1984
164.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Ageing in air oven	IS 17048:2018 IS 10810 (Pt 11):1984
165.	Halogen Free Flame Retardant (HFFR) cables for	Hot Deformation	IS 17048:2018 IS 10810 (Pt 15):1984

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
	working voltage up to and including 1.1 kV.		
166.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Cold Impact Test	IS 17048:2018 IS 10810 (Pt 21):1984
167.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Hot Set Test	IS 17048:2018 IS 10810 (Pt 30):1984
168.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Ozone resistance test	IS 17048:2018 IS 10810 (Pt.13):1984
169.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Flame Retardant Test	IS 17048:2018 IS 10810 (Pt 61) :1988
170.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Tensile strength of sheath before and after ageing	IS 17048:2018 IS 10810 (Pt 7):1984
171.	Halogen Free Flame Retardant (HFFR) cables for	Elongation at break of sheath before and after ageing	IS 17048:2018 IS 10810 (Pt 7):1984

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
	working voltage up to and including 1.1 kV.		
172.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Flammability test	IS 17048:2018 IS: 10810 (Pt 53):1984
173.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Cold Bend Test	IS 17048:2018 IS 10810 (Pt 20):1984
174.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	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.	Halogen Free Flame Retardant (HFFR) cables for working voltage up to and including 1.1 kV.	Smoke Density	IS 17048:2018 IS 10810 (Pt 63):1993
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.	Bunched Cables- For working voltage up to and including 1100V	Wrapping test	IS 14255 (Cl.10.1(a)-i):1995 IS 8130 (Cl.7.2.2) 2003 IS 10810 (Part3):1984

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
178.	Bunched Cables- For working voltage up to and including 1100V	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.	Bunched Cables- For working voltage up to and including 1100V	Test on Messenger Conductor Breaking Load	IS 14255 (Cl. 10.1(b)-i& Cl.6.5) (table-3):1995
180.	Bunched Cables- For working voltage up to and including 1100V	Elongation test on messenger conductor	IS 14255 (Cl.10.1(b)-I & Cl.11.3) (table-3):1995
181.	Bunched Cables- For working voltage up to and including 1100V	Conductor resistance on Messenger Conductor	IS 14255 (Cl.10.1(a)- I 1995 IS 8130 (Cl. 7.3) (Table-1,2)2003 IS 10810 (Part-5):1984
182.	Bunched Cables- For working voltage up to and including 1100V	Tensile strength of XLPE insulation	IS 14255 (Cl.10.1(c)-I & Cl.5.1 (Table-1,2) IS 10810 (Part-7):1984
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 IS 10810 (Part-7):1984
184.	Bunched Cables- For working voltage up to and including 1100V	Ageing in air oven-Tensile Strength	IS 14255 (Cl.10.1(c)-I & Cl.5.1 (Table-1)1995 IS 10810 (Part-1):1984
185.	Bunched Cables- For working voltage up to and including 1100V	Ageing in air oven-Elongation	IS 14255 (Cl.10.1(c)-I & Cl.5.1 (Table-1)1995 IS 10810 (Part-1):1984

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
186.	Bunched Cables- For working voltage up to and including 1100V	Hot Set Test	IS 14255 (Cl.10.1(c)-I & Cl.5.1, (Table-1)1995 IS 10810 (Part-30):1984
187.	Bunched Cables- For working voltage up to and including 1100V	Shrinkage test	IS 14255 (Cl. 10.1(c)-iv & Cl. 5.1, (Table-1):1995 IS 10810 (Part-12):1984
188.	Bunched Cables- For working voltage up to and including 1100V.	Water Absorption (Gravimetric)	IS 14255 (Cl.10.1(c)-v & Cl.5.1, (Table-1) 1995 IS 10810 (Part-33):1984
189.	Bunched Cables- For working voltage up to and including 1100V	Carbon black test-Content	IS 14255 (Cl. 10.1(c)-vi & Cl. 5.1 (Table-1,2) 1995 IS 10810 (Part32):1984
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.	Bunched Cables- For working voltage up to and including 1100V	Physical test for PE insulation Tensile strength	IS 14255 (Cl. 10.1(d)-I & Cl. 5.1 (Table-1,2) 1995 IS 10810(Part-7):1984
192.	Bunched Cables- For working voltage up to and including 1100V	Physical test for PE insulation elongation at break	IS 14255 (Cl. 10.1(d)-I & Cl. 5.1 (Table-1,2)1995 IS 10810 (Part-7):1984
193.	Bunched Cables- For working voltage up to and including 1100V	Melt flow index PE insulation	IS 14255 (Cl.10.1(d) (i) & Cl.5.1, Table2 IS 10810 (Part-23):1984

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Cables &amp; wires</b>		
194.	Bunched Cables- For working voltage up to and including 1100V	Vicat softening point PE insulation	IS 14255 (Cl.10.1(d)(iv) & Cl.5.1, Table2 1995 IS10810(Part-22):1984
195.	Bunched Cables- For working voltage up to and including 1100V	Environmental stress cracking	IS 14255 (Cl.10.1(d). (v)&Cl.5.1, Table2 1995 IS10810(Part-29):1984
196.	Bunched Cables- For working voltage up to and including 1100V	Thickness of Insulation	IS 14255 Cl.10.1(e) Cl.7.2(Table-4) 1995 IS 10810 (Part-6):1984
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.	Bunched Cables- For working voltage up to and including 1100V	High voltage Test	IS 14255 (Cl.10.1(g) & Cl.11.2:1995 IS10810 (Part-45):1984
199.	Bunched Cables- For working voltage up to and including 1100V	Bending test	IS 14255 (Cl.10.4,11.4 IS10810 (Part-50):1984



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	<b>Wiring &amp; Accessories</b>		
1.	Specification for conduits for electrical installations	Bending Test	IS 9537 (Part 3) (Cl.9.2): 1983
2.	Specification for conduits for electrical installations	Classification	IS 9537 (Part 3) (Cl.5): 1983
3.	Specification for conduits for electrical installations	Collapse Test	IS 9537 (Part 3) (9.5): 1983 & IS 9537 (Part 1): 1980
4.	Specification for conduits for electrical installations	Compression test	IS 9537 (Part 3) (Cl.9.3): 1983 IS 9537(Part 1) (Cl. 9.5):1980
5.	Specification for conduits for electrical installations	Construction	IS 9537 (Part 3) (Cl.8):1983 & IS 9537 (Part-1): 1980
6.	Specification for conduits for electrical installations	Dimensions	IS 9537 (Part 3) (Cl.7, 7.1, 7.2 & 7.3):1983
7.	Specification for conduits for electrical installations	Durability of Marking	IS 9537 (Part 3) (Cl.6.2): 1983 & IS 9537 (Part 1) (Cl. 6.4): 1980
8.	Specification for conduits for electrical installations	Electrical Characteristics	IS 9537 (Part 3) (Cl.12): 1983 & IS 9537 (Part-1) (Cl.12.1.1): 1980
9.	Specification for conduits for electrical installations	Impact Test	IS 9537 (Part 3) (Cl. 9.4): 1983 IS 9537 (Part 1): 1980
10.	Specification for conduits for electrical installations	Insulation Resistance in conduit	IS 9537 (Part 3) (Cl.12.1.2): 1983 & IS 9537 (Part-1): 1980

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Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
11.	Specification for conduits for electrical installations	Marking	IS 9537 (Part 3) (Cl.6): 1983 & IS 9537 (Part 1): 1980
12.	Specification for conduits for electrical installations	Mechanical Properties	IS 9537 (Part 3) (Cl.9): 1983
13.	Specification for conduits for electrical installations	Resistance to burning	IS 9537 (Part 3) (Cl.10): 1983
14.	Specification for conduits for electrical installations	Resistance to heat	IS 9537 (Part 3) (Cl.10): 1983
15.	Specification for conduits for electrical installations	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.	Switch & Socket- outlets (Non-Interlock Type)	Checking of Dimensions	IS 15787 (Cl.9): 2008 & IS 1293 (Cl.9):2019
18.	Switch & Socket- outlets (Non-Interlock Type)	Construction of Plug and portable socket outlet	IS 15787 (Cl.14):2008 & IS 1293 (Cl.14): 2019
19.	Switch & Socket- outlets (Non-Interlock Type)	Constructional Requirement of Fixed socket outlet	IS 15787 (Cl.13):2008 & IS 1293 (Cl.13): 2019
20.	Switch & Socket- outlets (Non-Interlock Type)	Creepage Distances, Clearances and Distances Through Sealing Compound	IS 15787 (Cl.27):2008 & IS 1293 (Cl.27): 2019
21.	Switch & Socket- outlets (Non-Interlock Type)	Flexible cable and their connection	IS 15787 (Cl.23):2008 & IS 1293 (Cl.23): 2019
22.	Switch & Socket- outlets (Non-Interlock Type)	Force necessary to with draw the plug	IS 15787 (Cl.22):2008 & IS 1293 (Cl.22): 2019

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# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

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



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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
34.	Switch & Socket- outlets (Non-Interlock Type)	Screws current carrying parts & connection	IS 15787 (Cl.26):2008 & IS 1293 (Cl.26): 2019
35.	Switch & Socket- outlets (Non-Interlock Type)	Temperature Rise	IS 15787 (Cl.19):2008 & IS 1293 (Cl.19): 2019
36.	Switch & Socket- outlets (Non-Interlock Type)	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	IS 1293 (Cl. 30): 2019
38.	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	IS 1293 (Cl. 30): 2005
39.	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	Checking of Dimensions	IS:1293 (Cl.9): 2005
40.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Checking of Dimensions	IS:1293 (Cl.9): 2019

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
41.	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	Classification	IS:1293 (Cl:7): 2019
42.	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	Classification	IS:1293 (Cl:7): 2005
43.	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	Construction of Plug and portable socket outlet	IS:1293 (Cl.14): 2019
44.	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	Construction of Plug and portable socket outlet	IS:1293 (Cl.14): 2005
45.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Constructional Requirement of Fixed socket outlet	IS:1293 (Cl.13): 2005

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
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	Constructional Requirement of Fixed socket outlet	IS:1293 (Cl.13): 2019
47.	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	Creepage Distances, Clearances and Distances Through Sealing Compound	IS:1293 (Cl.27): 2019
48.	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	Creepage Distances, Clearances and Distances Through Sealing Compound	IS:1293 (Cl.27): 2005
49.	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	Flexible cable and their connection	IS:1293 (Cl. 23): 2005
50.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Flexible cable and their connection	IS:1293 (Cl. 23): 2019

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
51.	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	Force necessary to with draw the plug	IS:1293 (Cl:22): 2019
52.	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	Force necessary to with draw the plug	IS 1293 (Cl.22.2):2019
53.	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	Force necessary to with draw the plug	IS:1293 (Cl:22): 2005
54.	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	Force necessary to with draw the plug	IS 1293 (Cl.22.2):2005
55.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Insulation resistance and electric strength Electric Strength	IS 1293 (Cl. 17): 2005

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
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	Insulation resistance and electric strength Electric Strength	IS 1293 (Cl. 17): 2019
57.	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	Interlocked socket outlet	IS 1293 (Cl. 15): 2019
58.	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	Interlocked socket outlet	IS 1293 (Cl. 15): 2005
59.	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	Marking	IS 1293 (Cl. 8): 2005
60.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Making & Breaking	IS 1293:2005

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
61.	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	Making & Breaking	IS 1293:2019
62.	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	Marking	IS 1293 (Cl. 8): 2019
63.	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	Mechanical strength	IS 1293 (Cl. 24): 2019
64.	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	Mechanical strength	IS 1293 (Cl. 24): 2005
65.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Normal Operation	IS:1293 (Cl:21): 2005

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
66.	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	Normal Operation	IS:1293 (Cl:21): 2019
67.	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	Operation of Earthing contacts	IS 1293 (Cl. 18): 2019
68.	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	Operation of Earthing contacts	IS 1293 (Cl. 18): 2005
69.	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	Protection against electric shock	IS:1293 (Cl:10): 2019
70.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Protection against electric shock	IS:1293 (Cl:10): 2005

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
71.	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	Provision For Earthing	IS 1293 (Cl. 11): 2019
72.	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	Provision For Earthing	IS 1293 (Cl. 11): 2005
73.	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	Rating	IS:1293 (Cl .6): 2019
74.	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	Rating	IS:1293 (Cl .6): 2005
75.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Resistance of Insulating Material to Abnormal Heat, to Fire and to Tracking	IS 1293 (Cl. 28): 2005, IS 11000 (Part 2/ Sec 1): 2008 & IS 2824: 2007

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
76.	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
77.	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 to Ageing, To harmful ingress of water and to humidity	IS 1293 (Cl. 16): 2005
78.	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 to Ageing, To harmful ingress of water and to humidity	IS 1293 (Cl. 16): 2019
79.	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 to Heat	IS:1293 (Cl. 25): 2019
80.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Resistance to Heat	IS:1293 (Cl. 25): 2005

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
81.	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 to Humidity	IS 1293 (Cl. 16.3):2005
82.	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 to Humidity	IS 1293 (Cl. 16.3):2019
83.	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 to Rusting	IS 1293 (Cl. 29): 2019
84.	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 to Rusting	IS 1293 (Cl. 29): 2005
85.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Screws current carrying parts & connection	IS 1293 (Cl. 26): 2005

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
86.	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	Screws current carrying parts & connection	IS 1293 (Cl. 26): 2019
87.	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	Temperature Rise	IS 1293 (Cl. 19): 2019
88.	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	Temperature Rise	IS 1293 (Cl. 19): 2005
89.	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	Terminals	IS 1293 (Cl. 12): 2005
90.	Plugs and Socket- Outlets for Household and Similar Purposes of Rated Voltage up to and	Terminals	IS 1293 (Cl. 12): 2019

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	<b>Wiring &amp; Accessories</b>		
	Including 250 V and Rated Current up to and Including 16 A		
91.	Switches for domestic and similar purpose	Checking of Dimensions	IS 3854 (Cl. 9): 1997
92.	Switches for domestic and similar purpose	Classification	IS 3854 (Cl. 7) (Fig. 1): 1997 & IS/IEC 60529 (Cl.4) (Reaffirmed 2019):2001
93.	Switches for domestic and similar purpose	Constructional Requirement	IS 3854 (Cl. 13): 1997
94.	Switches for domestic and similar purpose	Creepage Distances, Clearances and Distances Through Sealing Compound	IS 3854 (Cl.23): 1997
95.	Switches for domestic and similar purpose	Insulation resistance and electric strength	IS 3854(Cl.16): 1997
96.	Switches for domestic and similar purpose	Making and breaking capacity	IS 3854 (Cl. 18): 1997
97.	Switches for domestic and similar purpose	Marking	IS 3854 (Cl. 8): 1997
98.	Switches for domestic and similar purpose	Mechanical strength	IS 3854 (Cl. 20): 1997
99.	Switches for domestic and similar purpose	Mechanism	IS 3854 (Cl. 14):1997
100.	Switches for domestic and similar purpose	Normal operation	IS 3854 (Cl. 19): 1997

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# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**Aaditech Test and Calibration Lab LLP**

(Formerly Aaditech Test and Calibration Lab)

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Valid from: 24 July 2023

(Name Change w.e.f.: 17 September 2024)

Valid until: 23 July 2025

**Accreditation Standard: ISO/IEC 17025:2017**

Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wiring &amp; Accessories</b>		
101.	Switches for domestic and similar purpose	Normal operation for florescent circuit	IS 3854 (Cl. 19.2): 1997
102.	Switches for domestic and similar purpose	Protection against electric shock	IS 3854 (Cl. 10): 1997
103.	Switches for domestic and similar purpose	Provision For Earthing	IS 3854 (Cl. 11): 1997
104.	Switches for domestic and similar purpose	Rating	IS 3854 (Cl. 6): 1997
105.	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
106.	Switches for domestic and similar purpose	Resistance to ageing the harmful ingress of water & to humidity	IS 3854 (Cl.15): 1997
107.	Switches for domestic and similar purpose	Resistance to Heat	IS 3854 (Cl. 21): 1997
108.	Switches for domestic and similar purpose	Resistance to Rusting	IS 3854 (Cl. 25): 1997
109.	Switches for domestic and similar purpose	Screw current caring Parts and connection	IS 3854 (Cl. 22): 1997
110.	Switches for domestic and similar purpose	Temperature Rise	IS 3854(Cl. 17): 1997
111.	Switches for domestic and similar purpose	Terminals	IS 3854 (Cl. 12): 1997
112.	Electric Type Fan Regulator	Checking of Dimensions	IS 11037 (Cl. 9.5.14):2019

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Electrical Testing			
Sl.No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring & Accessories		
113.	Electric Type Fan Regulator	Creepage Distances and Clearances & Clearance, Creepage Distances and Solid Insulation	IS 11037 (Cl. 9.5.9):2019 & IS 302 (Part-1) (Cl.29): 2008
114.	Electric Type Fan Regulator	Earthing Connection	IS 11037 (Cl. 9.5.5):2019
115.	Electric Type Fan Regulator	Environmental Tests	IS 11037 (Cl. 9.5.11):2019
116.	Electric Type Fan Regulator	High Voltage Test	IS 11037 (Cl. 9.5.3):2019
117.	Electric Type Fan Regulator	Insulation Resistance	IS 11037 (Cl. 9.5.4):2019
118.	Electric Type Fan Regulator	Leakage Current Test	IS 11037 (Cl. 9.5.2):2019 & IS 302 (Part-1) (Cl.13.2): 2008
119.	Electric Type Fan Regulator	Marking	IS 11037 (Cl. 9): 2019
120.	Electric Type Fan Regulator	Mechanical Endurance Test	IS 11037 (Cl. 9.5.10):2019
121.	Electric Type Fan Regulator	Mechanical Strength	IS 11037 (Cl. 9.5.8):2019 & IS 302 (Part-1) (Cl.21): 2008
122.	Electric Type Fan Regulator	Moisture Resistance	IS 11037 (Cl. 9.5.7):2019
123.	Electric Type Fan Regulator	Performance	IS 11037 (Cl. 8): 2019
124.	Electric Type Fan Regulator	Protection Against Electric Shock & Protection Against Access to Live Part	IS 11037 (Cl. 9.5.6):2019 & IS 302 (Part-1) (Cl.8): 2008
125.	Electric Type Fan Regulator	Resistance to Abnormal heat and fire	IS 11037 (Cl.9.5.12):2019 & IS 11000 (Par-2/Sec-1):2008
126.	Electric Type Fan Regulator	Resistance to Rusting	IS 11037 (Cl. 9.5.13):2019
127.	Electric Type Fan Regulator	Temperature-rise	IS 11037 (Cl. 9.5.1):2019
128.	Electric Type Fan Regulator	Voltage Drop	IS 11037 (Cl. 7.7):2019



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
1.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Abnormal Operation	IS 4250 (Cl. 19):1980 & IS 302 (Part-1) (Cl. 19): 2008
2.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Classification	IS 4250 (Cl. 6): 1980 & IS 302 (Part-1) (Cl. 6): 2008
3.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Clearances, Creepage Distances and Solid Insulation	IS 4250 (Cl.29): 1980 & IS 302 (Part-1) (Cl. 29): 2008
4.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Components	IS 4250 (Cl.24): 1980 & IS 302 (Part-1) (Cl. 24): 2008
5.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Construction	IS 4250 (Cl.22): 1980 & IS 302 (Part-1) (Cl. 22): 2008
6.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Electrical Insulation and Leakage Current at Operating Temperature	IS 4250 (Cl.13): 1980 & IS 302 (Part-1) (Cl. 13): 2008
7.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Finish	IS 4250 (Cl.33): 1980 & IS 302 (Part-1) (Cl. 33): 2008
8.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Input Power	IS 4250 (Cl.10): 1980 & IS 302 (Part-1) (Cl. 10): 2008
9.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Insulation Resistance and Electric Strength	IS 4250 (Cl.16): 1980 & IS 302 (Part-1) (Cl. 16): 2008
10.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Internal wiring	IS 4250 (Cl.23): 1980 & IS 302 (Part-1) (Cl. 23): 2008
11.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Marking	IS 4250 (Cl. 7):1980 & IS 302 (Part-1) (Cl. 7): 2008
12.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Mechanical Strength	IS 4250 (Cl.21): 1980 & IS 302 (Part-1) (Cl. 21): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
13.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Moisture Resistance	IS 4250 (Cl.15): 1980 & IS 302 (Part-1) (Cl. 15): 2008
14.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Operational Tests	IS 4250 (Cl.34): 1980 & IS 302 (Part-1) (Cl. 34): 2008
15.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Protection against Electric Shock	IS 4250 (Cl. 8): 1980 & IS 302 (Part-1) (Cl. 8): 2008
16.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Provision For Earthing	IS 4250 (Cl.27): 1980 & IS 302 (Part-1) (Cl. 27): 2008
17.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Rating	4250 (Cl.5): 1980 & IS 302 (Part-1): 2008
18.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Resistance to Heat and Fire	IS 4250 (Cl.30): 1980 & IS 302 (Part-1) (Cl. 30): 2008
19.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Resistance to Rusting	IS 4250 (Cl.31): 1980 & IS 302 (Part-1) (Cl. 31): 2008
20.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Screws And Connection	IS 4250 (Cl.28): 1980 & IS 302 (Part-1) (Cl. 28): 2008
21.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Stability and Mechanical Hazards	IS 4250 (Cl.20): 1980 & IS 302 (Part-1) (Cl. 20): 2008
22.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Strength of Assembly	IS 4250 (Cl.37): 1980 & IS 302 (Part-1) (Cl. 37): 2008
23.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Supply Connection and External Flexible Cords	IS 4250 (Cl.25): 1980 & IS 302 (Part-1) (Cl. 25): 2008
24.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Temperature Rise	IS 4250 (Cl. 11): 1980 & 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
	<b>Domestic Electrical Appliances</b>		
25.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Temperature Withstand for Bowl	IS 4250 (Cl.35): 1980 & IS 302 (Part-1) (Cl. 35): 2008
26.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Terminals For External Conductors	IS 4250 (Cl.26): 1980 & IS 302 (Part-1) (Cl. 26): 2008
27.	Domestic Electric Food-Mixers (Liquidize-rs & Grinders)	Test for Controls	IS 4250 (Cl.36): 1980 & IS 302 (Part-1) (Cl. 36): 2008
28.	Toasters, Grills, Roasters	Abnormal Operation	IS 302 (Part-2/Sec 9) (Cl. 19): 2009 & IS302 (Part -1) (Cl. 19): 2008
29.	Toasters, Grills, Roasters	Classification	IS 302 (Part-2/Sec 9) (Cl. 6): 2009 & IS 302 (Part -1) (Cl. 6): 2008
30.	Toasters, Grills, Roasters	Clearances, Creepage Distances and Solid Insulation	IS 302 (Part-2/Sec 9) (Cl. 29): 2009 & IS 302 (Part -1) (Cl. 29): 2008
31.	Toasters, Grills, Roasters	Components	IS 302 (Part-2/Sec 9) (Cl. 24): 2009 & IS 302 (Part -1) (Cl. 24):2008
32.	Toasters, Grills, Roasters	Construction	IS 302 (Part-2/Sec 9) (Cl. 22): 2009 & IS 302 (Part -1) (Cl. 22):2008
33.	Toasters, Grills, Roasters	Heating	IS 302 (Part-2/Sec 9) (Cl. 11): 2009 &

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
			IS 302 (Part -1) (Cl. 11):2008
34.	Toasters, Grills, Roasters	Internal wiring	IS 302 (Part-2/Sec 9) (Cl. 23): 2009 & IS 302 (Part -1) (Cl. 23):2008
35.	Toasters, Grills, Roasters	Leakage Current and Electric Strength	IS 302 (Part-2/Sec 9) (Cl. 16): 2009 & IS 302 (Part -1) (Cl. 16):2008
36.	Toasters, Grills, Roasters	Leakage Current and Electric Strength at Operating Temperature	IS 302 (Part-2/Sec 9) (Cl. 13): 2009 & IS 302 (Part -1) (Cl. 13):2008
37.	Toasters, Grills, Roasters	Marking	IS 302 (Part-2/Sec 9) (Cl. 7): 2009 & IS 302 (Part -1) (Cl. 7): 2008
38.	Toasters, Grills, Roasters	Mechanical Strength	IS 302 (Part-2/Sec 9) (Cl. 21): 2009 & IS 302 (Part -1) (Cl. 21):2008
39.	Toasters, Grills, Roasters	Moisture Resistance	IS 302 (Part-2/Sec 9) (Cl. 15): 2009 & IS 302 (Part -1) (Cl. 15):2008
40.	Toasters, Grills, Roasters	Power input & Current	IS 302 (Part-2/Sec 9) (Cl. 10): 2009 & IS 302 (Part -1) (Cl. 10):2008
41.	Toasters, Grills, Roasters	Protection against access to live parts	IS 302 (Part-2/Sec 9) (Cl. 8): 2009 & IS 302(Part -1) (Cl. 8): 2008

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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	Provision For Earthing	IS 302 (Part-2/Sec 9) (Cl. 27): 2009 & IS 302 (Part -1) (Cl. 27):2008
43.	Toasters, Grills, Roasters	Radiation, Toxicity & Similar Hazard	IS 302 (Part-2/Sec 9) (Cl. 32): 2009 & IS 302 (Part -1) (Cl. 32):2008
44.	Toasters, Grills, Roasters	Resistance to Heat and Fire	IS 302 (Part-2/Sec 9) (Cl. 30): 2009 & IS 302 (Part -1) (Cl. 30):2008
45.	Toasters, Grills, Roasters	Resistance to Rusting	IS 302 (Part-2/Sec 9) (Cl. 31): 2009 & IS 302 (Part -1) (Cl. 31):2008
46.	Toasters, Grills, Roasters	Screws And Connection	IS 302 (Part-2/Sec 9) (Cl. 28): 2009 & IS 302 (Part -1) (Cl. 28):2008
47.	Toasters, Grills, Roasters	Stability and Mechanical Hazards	IS 302 (Part-2/Sec 9) (Cl. 20): 2009 & IS 302 (Part -1) (Cl. 20): 2008
48.	Toasters, Grills, Roasters	Supply Connection and External Flexible Cords	IS 302 (Part-2/Sec 9) (Cl. 25): 2009 & IS 302 (Part -1) (Cl. 25): 2008
49.	Toasters, Grills, Roasters	Terminals For External Conductors	IS 302 (Part-2/Sec 9) (Cl. 26): 2009 & IS 302 (Part -1) (Cl. 26): 2008
50.	Toasters, Grills, Roasters	Transient over voltage	IS 302 (Part-2/Sec 9) (Cl. 14): 2009 & IS 302 (Part -1) (Cl. 14): 2008
51.	Appliances for heating liquids (Electric Kettle Only)	Abnormal Operation	IS 302 (Part-2/Sec 15) (Cl. 19): 2009 & IS 302 (Part -1): 2008
52.	Appliances for heating liquids (Electric Kettle Only)	Classification	IS 302 (Part-2/Sec 15) (Cl. 6): 2009 & IS 302 (Part -1): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
53.	Appliances for heating liquids (Electric Kettle Only)	Clearances, Creepage Distances and Solid Insulation	IS 302 (Part-2/Sec 15) (Cl. 29): 2009 & IS 302 (Part -1): 2008
54.	Appliances for heating liquids (Electric Kettle Only)	Components	IS 302 (Part-2/Sec 15) (Cl. 24): 2009 & IS 302 (Part -1): 2008
55.	Appliances for heating liquids (Electric Kettle Only)	Construction	IS 302 (Part-2/Sec 15) (Cl. 22): 2009 & IS 302 (Part -1): 2008
56.	Appliances for heating liquids (Electric Kettle Only)	Heating	IS 302 (Part-2/Sec 15) (Cl. 11): 2009 & IS 302 (Part -1): 2008
57.	Appliances for heating liquids (Electric Kettle Only)	Internal wiring	IS 302 (Part-2/Sec 15) (Cl. 23): 2009 & IS 302 (Part -1): 2008
58.	Appliances for heating liquids (Electric Kettle Only)	Leakage Current and Electric Strength	IS 302 (Part-2/Sec 15) (Cl. 16): 2009 & IS 302 (Part -1): 2008
59.	Appliances for heating liquids (Electric Kettle Only)	Leakage Current and Electric Strength at Operating Temperature	IS 302 (Part-2/Sec 15) (Cl. 13): 2009 & IS 302 (Part -1): 2008
60.	Appliances for heating liquids (Electric Kettle Only)	Marking	IS 302 (Part-2/Sec 15) (Cl. 7): 2009 & IS 302 (Part -1): 2008
61.	Appliances for heating liquids (Electric Kettle Only)	Mechanical Strength	IS 302 (Part-2/Sec 15) (Cl. 21): 2009 & IS 302 (Part -1): 2008
62.	Appliances for heating liquids (Electric Kettle Only)	Moisture Resistance	IS 302 (Part-2/Sec 15) (Cl. 15): 2009 & IS 302 (Part -1): 2008
63.	Appliances for heating liquids (Electric Kettle Only)	Power Input & Current	IS 302 (Part-2/Sec 15) (Cl. 10): 2009 & IS 302 (Part -1): 2008
64.	Appliances for heating liquids (Electric Kettle Only)	Protection against access to live parts	IS 302 (Part-2/Sec 15) (Cl. 8): 2009 & IS 302 (Part -1): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
65.	Appliances for heating liquids (Electric Kettle Only)	Provision For Earthing	IS 302 (Part-2/Sec 15) (Cl. 27): 2009 & IS 302 (Part -1): 2008
66.	Appliances for heating liquids (Electric Kettle Only)	Radiation, Toxicity & Similar Hazard	IS 302 (Part-2/Sec 15) (Cl. 32): 2009 & IS 302 (Part -1): 2008
67.	Appliances for heating liquids (Electric Kettle Only)	Resistance to Heat and Fire	IS 302 (Part-2/Sec 15) (Cl. 30): 2009 & IS 302 (Part -1): 2008
68.	Appliances for heating liquids (Electric Kettle Only)	Resistance to Rusting	IS 302 (Part-2/Sec 15) (Cl. 31): 2009 & IS 302 (Part -1): 2008
69.	Appliances for heating liquids (Electric Kettle Only)	Screws And Connection	IS 302 (Part-2/Sec 15) (Cl. 28): 2009 & IS 302 (Part -1): 2008
70.	Appliances for heating liquids (Electric Kettle Only)	Stability and Mechanical Hazards	IS 302 (Part-2/Sec 15) (Cl. 20): 2009 & IS 302 (Part -1): 2008
71.	Appliances for heating liquids (Electric Kettle Only)	Supply Connection and External Flexible Cords	IS 302 (Part-2/Sec 15) (Cl. 25): 2009 & IS 302 (Part -1): 2008
72.	Appliances for heating liquids (Electric Kettle Only)	Terminals For External Conductors	IS 302 (Part-2/Sec 15) (Cl. 26): 2009 & IS 302 (Part -1): 2008
73.	Appliances for heating liquids (Electric Kettle Only)	Transient over voltage	IS 302 (Part-2/Sec 15) (Cl. 14): 2009 & IS 302 (Part -1): 2008
74.	Electric Ceiling Type Fans	Endurance	IS 374 (Cl. 16): 2019
75.	Electric Ceiling Type Fans	General condition of test and method of measurement of performance requirements	IS 374 (Cl. 14): 2019
76.	Electric Ceiling Type Fans	Interchangeability	IS 374 (Cl. 12): 2019
77.	Electric Ceiling Type Fans	Performance requirements	IS 374 (Cl. 15): 2019
78.	Electric Ceiling Type Fans	Silent Operation	IS 374 (Cl. 13): 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
79.	Electric Ceiling Type Fans	Speed Regulators	IS 374 (Cl. 10): 2019
80.	Electric Ceiling Type Fans	Starting	IS 374 (Cl. 11): 2019
81.	Electric Ceiling Type Fans	Test for Harmonic Distortion	IS 374 (Cl. 17): 2019
82.	Electric instantaneous water heaters	Abnormal Operation	IS 302 (Part-2/Sec 35) (Cl. 19): 2017 & IS 302 (Part -1): 2008
83.	Electric instantaneous water heaters	Classification	IS 302 (Part-2/Sec 35) (Cl. 6): 2017 & IS 302 (Part -1): 2008
84.	Electric instantaneous water heaters	Clearances, Creepage Distances and Solid Insulation	IS 302 (Part-2/Sec 35) (Cl. 29): 2017 & IS 302 (Part -1): 2008
85.	Electric instantaneous water heaters	Components	IS 302 (Part-2/Sec 35) (Cl. 24): 2017 & IS 302 (Part -1): 2008
86.	Electric instantaneous water heaters	Construction	IS 302 (Part-2/Sec 35) (Cl. 22): 2017 & IS 302 (Part -1): 2008
87.	Electric instantaneous water heaters	Heating	IS 302 (Part-2/Sec 35) (Cl. 11): 2017 & IS 302 (Part -1): 2008
88.	Electric instantaneous water heaters	Internal wiring	IS 302 (Part-2/Sec 35) (Cl. 23): 2017 & IS 302 (Part -1): 2008
89.	Electric instantaneous water heaters	Leakage Current and Electric Strength	IS 302 (Part-2/Sec 35) (Cl. 16): 2017 & IS 302 (Part -1): 2008
90.	Electric instantaneous water heaters	Leakage Current and Electric Strength at Operating Temperature	IS 302 (Part-2/Sec 35) (Cl. 13): 2017 & IS 302 (Part -1): 2008
91.	Electric instantaneous water heaters	Marking	IS 302 (Part-2/Sec 35) (Cl. 7): 2017 & IS 302 (Part -1): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
92.	Electric instantaneous water heaters	Mechanical Strength	IS 302 (Part-2/Sec 35) (Cl. 21): 2017 & IS 302 (Part -1): 2008
93.	Electric instantaneous water heaters	Moisture Resistance	IS 302 (Part-2/Sec 35) (Cl. 15): 2017 & IS 302 (Part -1): 2008
94.	Electric instantaneous water heaters	Power Input & Current	IS 302 (Part-2/Sec 35) (Cl. 10): 2017 & IS 302 (Part -1): 2008
95.	Electric instantaneous water heaters	Protection against access to live parts	IS 302 (Part-2/Sec 35) (Cl. 8): 2017 & IS 302 (Part -1): 2008
96.	Electric instantaneous water heaters	Provision For Earthing	IS 302 (Part-2/Sec 35) (Cl. 27): 2017 & IS 302 (Part -1): 2008
97.	Electric instantaneous water heaters	Radiation, Toxicity & Similar Hazard	IS 302 (Part-2/Sec 35) (Cl. 32): 2017 & IS 302 (Part -1): 2008
98.	Electric instantaneous water heaters	Resistance to Heat and Fire	IS 302 (Part-2/Sec 35) (Cl. 30): 2017 & IS 302 (Part -1): 2008
99.	Electric instantaneous water heaters	Resistance to Rusting	IS 302 (Part-2/Sec 35) (Cl. 31): 2017 & IS 302 (Part -1): 2008
100.	Electric instantaneous water heaters	Screws And Connection	IS 302 (Part-2/Sec 35) (Cl. 28): 2017 & IS 302 (Part -1): 2008
101.	Electric instantaneous water heaters	Stability and Mechanical Hazards	IS 302 (Part-2/Sec 35) (Cl. 20): 2017 & IS 302 (Part -1): 2008
102.	Electric instantaneous water heaters	Supply Connection and External Flexible Cords	IS 302 (Part-2/Sec 35) (Cl. 25): 2017 & IS 302 (Part -1): 2008
103.	Electric instantaneous water heaters	Terminals For External Conductors	IS 302 (Part-2/Sec 35) (Cl. 26): 2017 & IS 302 (Part -1): 2008





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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
104.	Electric instantaneous water heaters	Transient Over Voltage	IS 302 (Part-2/Sec 35) (Cl. 14): 2017 & IS 302 (Part -1): 2008
105.	Ceiling Fans	Abnormal Operation	IS 302 (Part-2/Sec 80) (Cl. 19): 2017 & IS 302 (Part -1): 2008
106.	Ceiling Fans	Classification	IS 302 (Part-2/Sec 80) (Cl. 6): 2017 & IS 302 (Part -1): 2008
107.	Ceiling Fans	Clearances, Creepage Distances and Solid Insulation	IS 302 (Part-2/Sec 80) (Cl. 29): 2017 & IS 302 (Part -1): 2008
108.	Ceiling Fans	Components	IS 302 (Part-2/Sec 80) (Cl. 24): 2017 & IS 302 (Part -1): 2008
109.	Ceiling Fans	Construction	IS 302 (Part-2/Sec 80) (Cl. 22): 2017 & IS 302 (Part -1): 2008
110.	Ceiling Fans	Heating	IS 302 (Part-2/Sec 80) (Cl. 11): 2017 & IS 302 (Part -1): 2008
111.	Ceiling Fans	Internal wiring	IS 302 (Part-2/Sec 80) (Cl. 23): 2017 & IS 302 (Part -1): 2008
112.	Ceiling Fans	Leakage Current and Electric Strength	IS 302 (Part-2/Sec 80) (Cl. 16): 2017 & IS 302 (Part -1): 2008
113.	Ceiling Fans	Leakage Current and Electric Strength at Operating Temperature	IS 302 (Part-2/Sec 80) (Cl. 13): 2017 & IS 302 (Part -1): 2008
114.	Ceiling Fans	Marking	IS 302 (Part-2/Sec 80) (Cl. 7): 2017 & IS 302 (Part -1): 2008
115.	Ceiling Fans	Mechanical Strength	IS 302 (Part-2/Sec 80) (Cl. 21): 2017 & 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		
116.	Ceiling Fans	Moisture Resistance	IS 302 (Part-2/Sec 80) (Cl. 15): 2017 & IS 302 (Part -1): 2008
117.	Ceiling Fans	Power Input & Current	IS 302 (Part-2/Sec 80) (Cl. 10): 2017 & IS 302 (Part -1): 2008
118.	Ceiling Fans	Protection against access to live parts	IS 302 (Part-2/Sec 80) (Cl. 8): 2017 & IS 302 (Part -1): 2008
119.	Ceiling Fans	Provision For Earthing	IS 302 (Part-2/Sec 80) (Cl. 27): 2017 & IS 302 (Part -1): 2008
120.	Ceiling Fans	Radiation, Toxicity & Similar Hazard	IS 302 (Part-2/Sec 80) (Cl. 32): 2017 & IS 302 (Part -1): 2008
121.	Ceiling Fans	Rating	IS 302 (Part-2/Sec 80) (Cl. 5): 2017 & IS 302 (Part -1): 2008
122.	Ceiling Fans	Resistance to Heat and Fire	S 302 (Part-2/Sec 80) (Cl. 30): 2017 & IS 302 (Part -1): 2008
123.	Ceiling Fans	Resistance to Rusting	S 302 (Part-2/Sec 80) (Cl. 31): 2017 & IS 302 (Part -1): 2008
124.	Ceiling Fans	Screws And Connection	S 302 (Part-2/Sec 80) (Cl. 28): 2017 & IS 302 (Part -1): 2008
125.	Ceiling Fans	Stability and Mechanical Hazards	S 302 (Part-2/Sec 80) (Cl. 20): 2017 & IS 302 (Part -1): 2008
126.	Ceiling Fans	Supply Connection and External Flexible Cords	S 302 (Part-2/Sec 80) (Cl. 25): 2017 & IS 302 (Part -1): 2008
127.	Ceiling Fans	Terminals For External Conductor	S 302 (Part-2/Sec 80) (Cl. 26): 2017 & 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		
128.	Ceiling Fans	Transient over voltage	S 302 (Part-2/Sec 80) (Cl. 14): 2017 & IS 302 (Part -1): 2008
129.	Mineral Filled Sheathed Heating Element	Abnormal Operation	IS 4159 (Cl.19): 2021 & IS 302 (Part-1):2008
130.	Mineral Filled Sheathed Heating Element	Clearances, Creepage Distances and Solid Insulation	IS 4159 (Cl.29): 2021 & IS 302 (Part-1):2008
131.	Mineral Filled Sheathed Heating Element	Components	IS 4159 (Cl.24): 2021 & IS 302 (Part-1):2008
132.	Mineral Filled Sheathed Heating Element	Construction	IS 4159 (Cl.22): 2021 & IS 302 (Part-1):2008
133.	Mineral Filled Sheathed Heating Element	Electrical Insulation and Leakage Current at Operating Temperature	IS 4159 (Cl.13): 2021 & IS 302 (Part-1):2008
134.	Mineral Filled Sheathed Heating Element	Endurance	IS 4159 (Cl.18): 2021 & IS 302 (Part-1):2008
135.	Mineral Filled Sheathed Heating Element	Finish	IS 4159 (Cl.33): 2021 & IS 302 (Part-1):2008
136.	Mineral Filled Sheathed Heating Element	Input Power & Current	IS 4159 (Cl.10): 2021 & IS 302 (Part-1):2008
137.	Mineral Filled Sheathed Heating Element	Insulation Resistance and Electric Strength	IS 4159 (Cl.16): 2021 & IS 302 (Part-1):2008
138.	Mineral Filled Sheathed Heating Element	Internal wiring	IS 4159 (Cl.23): 2021 & IS 302 (Part-1):2008
139.	Mineral Filled Sheathed Heating Element	Mechanical Strength	IS 4159 (Cl.21): 2021 & IS 302 (Part-1):2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
140.	Mineral Filled Sheathed Heating Element	Moisture Resistance	IS 4159 (Cl.15): 2021 & IS 302 (Part-1):2008
141.	Mineral Filled Sheathed Heating Element	Protection against access to live parts	IS 4159 (Cl.8): 2021 & IS 302 (Part-1):2008
142.	Mineral Filled Sheathed Heating Element	Provision For Earthing	IS 4159 (Cl.27): 2021 & IS 302 (Part-1):2008
143.	Mineral Filled Sheathed Heating Element	Resistance to Heat and Fire	IS 4159 (Cl.30): 2021 & IS 302 (Part-1):2008
144.	Mineral Filled Sheathed Heating Element	Resistance to Rusting	IS 4159 (Cl.31): 2021 & IS 302 (Part-1):2008
145.	Mineral Filled Sheathed Heating Element	Screws And Connection	IS 4159 (Cl.28): 2021 & IS 302 (Part-1):2008
146.	Mineral Filled Sheathed Heating Element	Stability and Mechanical Hazards	IS 4159 (Cl.20): 2021 & IS 302 (Part-1):2008
147.	Mineral Filled Sheathed Heating Element	Supply Connection and External Flexible Cords	IS 4159 (Cl.25): 2021 & IS 302 (Part-1):2008
148.	Mineral Filled Sheathed Heating Element	Temperature Rise	IS 4159 (Cl.11): 2021 & IS 302 (Part-1):2008
149.	Mineral Filled Sheathed Heating Element	Terminals For External Conductors	IS 4159 (Cl.26): 2021 & IS 302 (Part-1):2008
150.	Mineral Filled Sheathed Heating Element	Marking and Instruction	IS 4159 (Cl.7): 2021
151.	Electric immersion water heater	Abnormal Operation	IS 302 (Part-2 Sec 201) (Cl.19): 2008 & IS 302 (Part-1): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
152.	Electric immersion water heater	Classification	IS 302 (Part-2/Sec 201) (Cl.6): 2008 & IS 302 (Part -1): 2008
153.	Electric immersion water heater	Clearances, Creepage Distances and Solid Insulation	IS 302 (Part-2/Sec 201) (Cl. 29): 2008 & IS 302 (Part -1): 2008
154.	Electric immersion water heater	Components	IS 302 (Part-2/Sec 201) (Cl. 24): 2008 & IS 302 (Part -1): 2008
155.	Electric immersion water heater	Construction	IS 302 (Part-2/Sec 201) (Cl. 22): 2008 & IS 302 (Part -1): 2008
156.	Electric immersion water heater	Heating	IS 302 (Part-2/Sec 201) (Cl. 11): 2008 & IS 302 (Part -1): 2008
157.	Electric immersion water heater	Internal wiring	IS 302 (Part-2/Sec 201) (Cl. 23): 2008 & IS 302 (Part -1): 2008
158.	Electric immersion water heater	Leakage Current and Electric Strength	IS 302 (Part-2/Sec 201) (Cl. 16): 2008 & IS 302 (Part -1): 2008
159.	Electric immersion water heater	Leakage Current and Electric Strength at Operating Temperature	IS 302 (Part-2/Sec 201) (Cl. 13): 2008 & IS 302 (Part -1): 2008
160.	Electric immersion water heater	Marking	IS 302 (Part-2/Sec 201) (Cl. 7): 2008 & IS 302 (Part -1): 2008
161.	Electric immersion water heater	Mechanical Strength	IS 302 (Part-2/Sec 201) (Cl. 21): 2008 & IS 302 (Part -1): 2008
162.	Electric immersion water heater	Moisture Resistance	IS 302 (Part-2/Sec 201) (Cl. 15): 2008 & 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		
163.	Electric immersion water heater	Power Input & Current	IS 302 (Part-2/Sec 201) (Cl. 10): 2008 & IS 302 (Part -1): 2008
164.	Electric immersion water heater	Protection against access to live parts	IS 302 (Part-2/Sec 201) (Cl. 8): 2008 & IS 302 (Part -1): 2008
165.	Electric immersion water heater	Provision For Earthing	IS 302 (Part-2/Sec 201) (Cl. 27): 2008 & IS 302 (Part -1): 2008
166.	Electric Immersion water Heater	Radiation, Toxicity & Similar Hazard	IS 302 (Part-2/Sec 201) (Cl. 32): 2008 & IS 302 (Part -1): 2008
167.	Electric Immersion water Heater	Radiation, Toxicity & Similar Hazard	IS 368 (Cl.32): 2014 & IS 302 (Part-1):2008
168.	Electric Immersion water Heater	Resistance to Heat and Fire	IS 368 (Cl.30): 2014 & IS 302 (Part-1):2008
169.	Electric immersion water heater	Resistance to Heat and Fire	IS 302 (Part-2/Sec 201) (Cl. 30): 2008 & IS 302 (Part -1): 2008
170.	Electric immersion water heater	Resistance to Rusting	IS 302 (Part-2/Sec 201) (Cl. 31): 2008 & IS 302 (Part -1): 2008
171.	Electric Immersion water Heater	Resistance to Rusting	IS 368 (Cl.31): 2014 & IS 302 (Part-1):2008
172.	Electric immersion water heater	Stability and Mechanical Hazards	IS 302 (Part-2/Sec 201) (Cl. 20): 2008 & IS 302 (Part -1): 2008
173.	Electric immersion water heater	Supply Connection and External Flexible Cords	IS 302 (Part-2/Sec 201) (Cl. 25): 2008 & IS 302 (Part -1): 2008
174.	Electric immersion water heater	Terminals For External Conductors	IS 302 (Part-2/Sec 201) (Cl. 26): 2008 & IS 302 (Part -1): 2008



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
175.	Electric immersion water heater	Transient over voltage	IS 302 (Part-2/Sec 201) (Cl. 14): 2008 & IS 302 (Part -1): 2008
176.	Electric Immersion water heaters	Abnormal Operation	IS 368 (Cl.19): 2014 & IS 302 (Part-1):2008
177.	Electric Immersion water heaters	Classification	IS 368 (Cl.6): 2014 & IS 302 (Part-1): 2008
178.	Electric Immersion water heaters	Clearances, Creepage Distances and Solid Insulation	IS 368 (Cl.29): 2014 & IS 302 (Part-1):2008
179.	Electric Immersion water heaters	Components	IS 368 (Cl.24): 2014 & IS 302 (Part-1):2008
180.	Electric Immersion water heaters	Construction	IS 368 (Cl.22): 2014 & IS 302 (Part-1):2008
181.	Electric Immersion water heaters	Electrical Insulation and Leakage Current at Operating Temperature	IS 368 (Cl.13): 2014 & IS 302 (Part-1): 2008
182.	Electric Immersion water heaters	Endurance	IS 368 (Cl.18): 2014 & IS 302 (Part-1):2008
183.	Electric Immersion water heaters	Input Power & Current	IS 368 (Cl.10): 2014 & IS 302 (Part-1):2008
184.	Electric Immersion water heaters	Insulation Resistance and Electric Strength (After Humidity Treatment)	IS 368 (Cl.16): 2014 & IS 302 (Part-1):2008
185.	Electric Immersion water heaters	Internal wiring	IS 368 (Cl.23): 2014 & IS 302 (Part-1):2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
186.	Electric Immersion water heaters	Marking	IS 368 (Cl.7): 2014 & IS 302 (Part-1): 2008
187.	Electric Immersion water heaters	Mechanical Strength	IS 368 (Cl.21): 2014 & IS 302 (Part-1):2008
188.	Electric Immersion water heaters	Moisture Resistance	IS 368 (Cl.15): 2014 & IS 302 (Part-1):2008
189.	Electric Immersion water heaters	Operation under overload conditions of appliances with heating elements	IS 368 (Cl. 12): 2014 & IS 302 (Part-1):2008
190.	Electric Immersion water heaters	Protection against access to live parts	IS 368 (Cl.8): 2014 & IS 302 (Part-1): 2008
191.	Electric Immersion water heaters	Provision For Earthing	IS 368 (Cl.27): 2014 & IS 302 (Part-1):2008
192.	Electric Immersion water heaters	Screws And Connection	IS 368 (Cl.28): 2014 & IS 302 (Part-1):2008
193.	Electric Immersion water heaters	Stability and Mechanical Hazards	IS 368 (Cl.20): 2014 & IS 302 (Part-1):2008
194.	Electric Immersion water heaters	Supply Connection and External Flexible Cords	IS 368 (Cl.25): 2014 & IS 302 (Part-1):2008
195.	Electric Immersion water heaters	Temperature Rise	IS 368 (Cl.11): 2014 & IS 302 (Part-1):2008
196.	Electric Immersion water heaters	Terminals For External Conductors	IS 368 (Cl.26): 2014 & IS 302 (Part-1):2008
197.	Electric Immersion water heaters	Transient over voltage	IS 368 (Cl.14): 2014 & IS 302 (Part-1):2008

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
198.	Electric Instantaneous water Heaters	Endurance	IS 8978 (Cl. 12): 1992
199.	Electric Instantaneous water Heaters	Finish	IS 8978(Cl. 10): 1992
200.	Electric Instantaneous water Heaters	Operation of Flow Switch	IS 8978 (Cl. 11): 1992
201.	Stationary Storage Type Electric water Heater	Abnormal Operation	IS 302 (Part-2 Sec 21) (Cl.19):2018 & 302 (Part-1): 2008
202.	Stationary Storage Type Electric water Heater	Classification	IS 302 (Part-2/Sec 21) (Cl. 6): 2008 & IS 302 (Part -1): 2008
203.	Stationary Storage Type Electric water Heater	Clearances, Creepage Distances and Solid Insulation	IS 302 (Part-2/Sec 21) (Cl. 29): 2018 & IS 302 (Part -1): 2008
204.	Stationary Storage Type Electric water Heater	Components	IS 302 (Part-2/Sec 21) (Cl. 24): 2018 & IS 302 (Part -1): 2008
205.	Stationary Storage Type Electric water Heater	Construction	IS 302 (Part-2/Sec 21) (Cl. 22): 2018 & IS 302 (Part -1): 2008
206.	Stationary Storage Type Electric water Heater	Heating	IS 302 (Part-2/Sec 21) (Cl. 11): 2018 & IS 302 (Part -1): 2008
207.	Stationary Storage Type Electric water Heater	Internal wiring	IS 302 (Part-2/Sec 21) (Cl. 23): 2018 & IS 302 (Part -1): 2008
208.	Stationary Storage Type Electric water Heater	Leakage Current and Electric Strength at Operating Temperature	IS 302 (Part-2/Sec 21) (Cl. 13): 2018 & IS 302 (Part -1): 2008
209.	Stationary Storage Type Electric water Heater	Leakage Current and Electric Strength	IS 302 (Part-2/Sec 21) (Cl. 16): 2018 & IS 302 (Part -1): 2008

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
210.	Stationary Storage Type Electric water Heater	Marking	IS 302 (Part-2/Sec 21) (Cl. 7): 2018 & IS 302 (Part -1): 2008
211.	Stationary Storage Type Electric water Heater	Mechanical Strength	IS 302 (Part-2/Sec 21) (Cl. 21): 2018 & IS 302 (Part -1): 2008
212.	Stationary Storage Type Electric water Heater	Moisture Resistance	IS 302 (Part-2/Sec 21) (Cl. 15): 2018 & IS 302 (Part -1): 2008
213.	Stationary Storage Type Electric water Heater	Power Input & Current	IS 302 (Part-2/Sec 21) (Cl. 10): 2018 & IS 302 (Part -1): 2008
214.	Stationary Storage Type Electric water Heater	Protection against access to live parts	IS 302 (Part-2/Sec 21) (Cl. 8): 2018 & IS 302 (Part -1): 2008
215.	Stationary Storage Type Electric water Heater	Provision For Earthing	IS 302 (Part-2/Sec 21) (Cl. 27): 2018 & IS 302 (Part -1): 2008
216.	Stationary Storage Type Electric water Heater	Radiation, Toxicity and Similar Hazard	IS 302 (Part-2/Sec 21) (Cl. 32): 2018 & IS 302 (Part -1): 2008
217.	Stationary Storage Type Electric water Heater	Resistance to Heat and Fire	IS 302 (Part-2/Sec 21) (Cl. 30): 2018 & IS 302 (Part -1): 2008
218.	Stationary Storage Type Electric water Heater	Resistance to Rusting	IS 302 (Part-2/Sec 21) (Cl. 31): 2018 & IS 302 (Part -1): 2008
219.	Stationary Storage Type Electric water Heater	Screws And Connection	IS 302 (Part-2/Sec 21) (Cl. 28): 2018 & IS 302 (Part -1): 2008
220.	Stationary Storage Type Electric water Heater	Stability and Mechanical Hazards	IS 302 (Part-2/Sec 21) (Cl. 20): 2018 & IS 302 (Part -1): 2008
221.	Stationary Storage Type Electric water Heater	Supply Connection and External Flexible Cords	IS 302 (Part-2/Sec 21) (Cl. 25): 2018 & IS 302 (Part -1): 2008

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
222.	Stationary Storage Type Electric water Heater	Terminals For External Conductors	IS 302 (Part-2/Sec 21) (Cl. 26): 2018 & IS 302 (Part -1): 2008
223.	Stationary Storage Type Electric water Heater	Transient over voltage	IS 302 (Part-2/Sec 21) (Cl. 14): 2018 & IS 302 (Part -1): 2008
224.	Stationary Storage Type Electric water Heaters	Cyclic Temperature Variation	IS 2082 (Cl. 20): 2018
225.	Stationary Storage Type Electric water Heaters	Deviation from Dial Calibration	IS 2082 (Cl. 19): 2018
226.	Stationary Storage Type Electric water Heaters	Finish	IS 2082 (Cl. 21): 2007
227.	Stationary Storage Type Electric water Heaters	Hot water Output	IS 2082 (Cl. 16): 2007
228.	Stationary Storage Type Electric water Heaters	Mixing Factor	IS 2082 (Cl. 18): 2018
229.	Stationary Storage Type Electric water Heaters	Reheating Time	IS 2082 (Cl. 17): 2018
230.	Stationary Storage Type Electric water Heaters	Standing Loss per 24 hours	IS 2082 (Cl. 15): 2018
231.	Stationary Storage Type Electric water Heaters	Verification of the Rated Capacity	IS 2082 (Cl. 14): 2018
232.	Electric Kitchen Machines (Hand Blender Only)	Abnormal Operation	IS 302 (Part-2/Sec 14) (Cl. 19): 2009 & IS 302 (Part -1): 2008
233.	Electric Kitchen Machines (Hand Blender Only)	Classification	IS 302 (Part-2/Sec 14) (Cl. 6): 2009 & IS 302 (Part -1): 2008

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# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**Aaditech Test and Calibration Lab LLP**

(Formerly Aaditech Test and Calibration Lab)

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

**QAI/CIA/TL/2023/0017**

Valid from: 24 July 2023

(Name Change w.e.f.: 17 September 2024)

Valid until: 23 July 2025

**Accreditation Standard: ISO/IEC 17025:2017**

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Domestic Electrical Appliances</b>		
234.	Electric Kitchen Machines (Hand Blender Only)	Clearances, Creepage Distances and Solid Insulation	IS 302 (Part-2/Sec 14) (Cl. 29): 2009 & IS 302 (Part -1): 2008
235.	Electric Kitchen Machines (Hand Blender Only)	Components	IS 302 (Part-2/Sec 14) (Cl. 24): 2009 & IS 302 (Part -1): 2008
236.	Electric Kitchen Machines (Hand Blender Only)	Construction	IS 302 (Part-2/Sec 14) (Cl. 22): 2009 & IS 302 (Part -1): 2008
237.	Electric Kitchen Machines (Hand Blender Only)	Internal wiring	IS 302 (Part-2/Sec 14) (Cl. 23): 2009 & IS 302 (Part -1): 2008
238.	Electric Kitchen Machines (Hand Blender Only)	Leakage Current and Electric Strength	IS 302 (Part-2/Sec 14) (Cl. 16): 2009 & IS 302 (Part -1): 2008
239.	Electric Kitchen Machines (Hand Blender Only)	Leakage Current and electric Strength at Operating Temperature	IS 302 (Part-2/Sec 14) (Cl. 13): 2009 & IS 302 (Part -1): 2008
240.	Electric Kitchen Machines (Hand Blender Only)	Marking	IS 302 (Part-2/Sec 14) (Cl. 7): 2009 & IS 302 (Part -1): 2008
241.	Electric Kitchen Machines (Hand Blender Only)	Mechanical Strength	IS 302 (Part-2/Sec 14) (Cl. 21): 2009 & IS 302 (Part -1): 2008
242.	Electric Kitchen Machines (Hand Blender Only)	Moisture Resistance	IS 302 (Part-2/Sec 14) (Cl. 15): 2009 & IS 302 (Part -1): 2008
243.	Electric Kitchen Machines (Hand Blender Only)	Power Input & Current	IS 302 (Part-2/Sec 14) (Cl. 10): 2009 & IS 302 (Part -1): 2008
244.	Electric Kitchen Machines (Hand Blender Only)	Protection against access to live parts	IS 302 (Part-2/Sec 14) (Cl. 8): 2009 & IS 302 (Part -1): 2008
245.	Electric Kitchen Machines (Hand Blender Only)	Provision For Earthing	IS 302 (Part-2/Sec 14) (Cl. 27): 2009 & 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		
246.	Electric Kitchen Machines	Radiation, Toxicity & Similar Hazard	IS 302 (Part-2/Sec 14) (Cl. 32): 2009 & IS 302 (Part -1): 2008
247.	Electric Kitchen Machines	Resistance to Heat and Fire	IS 302 (Part-2/Sec 14) (Cl. 30): 2009 & IS 302 (Part -1): 2008
248.	Electric Kitchen Machines	Resistance to Rusting	IS 302 (Part-2/Sec 14) (Cl. 31): 2009 & IS 302 (Part -1): 2008
249.	Electric Kitchen Machines	Screws And Connection	IS 302 (Part-2/Sec 14) (Cl. 28): 2009 & IS 302 (Part -1): 2008
250.	Electric Kitchen Machines	Stability and Mechanical Hazards	IS 302 (Part-2/Sec 14) (Cl. 20): 2009 & IS 302 (Part -1): 2008
251.	Electric Kitchen Machines	Supply Connection and External Flexible Cords	IS 302 (Part-2/Sec 14) (Cl. 25): 2009 & IS 302 (Part -1): 2008
252.	Electric Kitchen Machines	Temperature Rise	IS 302 (Part-2/Sec 14) (Cl. 11): 2009 & IS 302 (Part -1): 2008
253.	Electric Kitchen Machines	Terminals For External Conductors	IS 302 (Part-2/Sec 14) (Cl. 26): 2009 & IS 302 (Part -1): 2008
254.	Electric Kitchen Machines	Transient over voltage	IS 302 (Part-2/Sec14) (Cl. 14): 2009 & IS 302 (Part -1): 2008



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Ingress Protection Test		
1.	Degrees of Protection Provided by Enclosures (IP CODE)	Ingress Protection test	IS/IEC 60529:2001 IEC 60529:1989+A1:1999 +A2: 2013: 2001

