

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Ekopro Engineers Private Limited

32/37, South side of GT Road, UPSIDC Industrial Area,
Ghaziabad-201009, Uttar Pradesh, India

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

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

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



QAI/CIA/TL/2025/0113

Valid from: 24 April 2025

Valid until: 23 April 2027

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
1.	Low Alloy Steel	Carbon	IS 228 (Part-1): 1987
2.		Chromium	IS 228 (Part-6): 1987
3.		Manganese	IS 228 (Part-2): 1987
4.		Phosphorus	IS 228 (Part-3): 1987
5.		Silicon	IS 228 (Part-8): 1989
6.		Sulphur	IS 228 (Part-9): 1989
7.		Nickel	IS 228 (Part-5): 1987
8.	Stainless Steel	Nickel	IS 228 (Part-5): 1987
9.		Copper	IS 228 (Part-15): 1992
10.		Carbon	IS 228 (Part-1): 1987
11.		Chromium	IS 228 (Part-6): 1987
12.		Manganese	IS 228 (Part-2): 1987
13.		Molybdenum	IS 228 (Part-7): 1990
14.		Phosphorus	IS 228 (Part-3): 1987
15.		Silicon	IS 228 (Part-8): 1989
16.		Sulphur	IS 228 (Part-9): 1989
17.	Cast Iron & Grey Iron	Carbon	ASTM E 1999/JIS G 1253
18.		Sulphur	ASTM E 1999/JIS G 1253
19.		Phosphorus	ASTM E 1999/JIS G 1253

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
20.	Cast Iron & Grey Iron	Silicon	ASTM E 1999/JIS G 1253
21.		Chromium	ASTM E 1999/JIS G 1253
22.		Manganese	ASTM E 1999/JIS G 1253
23.		Nickel	ASTM E 1999/JIS G 1253
24.		Copper	ASTM E 1999/JIS G 1253
25.		Tin	ASTM E 1999/JIS G 1253
26.		Vanadium	ASTM E 1999/JIS G 1253
27.		Nitrogen	ASTM E 1999/JIS G 1253
28.		Titanium	ASTM E 1999/JIS G 1253
29.		Ferrous & Ferrous Alloy	Carbon
30.	Silicon		ASTME 415: 2021/IS 8811: 1998/JIS G 1253
31.	Manganese		ASTME 415: 2021/IS 8811: 1998/JIS G 1253
32.	Phosphorus		ASTME 415: 2021/IS 8811: 1998/JIS G 1253
33.	Sulphur		ASTME 415: 2021/IS 8811: 1998/JIS G 1253

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
34.	Ferrous & Ferrous Alloy	Chromium	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
35.		Molybdenum	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
36.		Nickel	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
37.		Copper	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
38.		Aluminium	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
39.		Titanium	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
40.		Vanadium	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
41.		Boron	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
42.		Niobium	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
43.		Cobalt	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
44.		Nitrogen	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
45.		Arsenic	ASTME 415: 2021/IS 8811: 1998/JIS G 1253

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
46.	Ferrous & Ferrous Alloy (Stainless Steel)	Carbon	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
47.		Silicon	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
48.		Manganese	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
49.		Phosphorus	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
50.		Sulphur	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
51.		Chromium	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
52.		Molybdenum	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
53.		Nickel	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
54.		Titanium	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
55.		Niobium	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
56.	Nitrogen	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253	

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
57.	Ferrous & Ferrous Alloy (Stainless Steel)	Aluminium	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
58.		Copper	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
59.	Copper & Copper Alloy	Copper	BS EN15079 2015
60.		Aluminium	BS EN15079 2015
61.		Arsenic	BS EN15079 2015
62.		Cadmium	BS EN15079 2015
63.		Bismuth	BS EN15079 2015
64.		Iron	BS EN15079 2015
65.		Lead	BS EN15079 2015
66.		Manganese	BS EN15079 2015
67.		Nickel	BS EN15079 2015
68.		Phosphorus	BS EN15079 2015
69.		Silicon	BS EN15079 2015
70.		Silver	BS EN15079 2015
71.		Zinc	BS EN15079 2015

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
72.	Copper & Copper Alloy	Oxygen	BS EN15079 2015
73.		Tin	BS EN15079 2015
74.	Aluminium & Aluminium Alloy	Aluminium	ASTM E-1251:2017
75.		Chromium	ASTM E-1251:2017
76.		Copper	ASTM E-1251:2017
77.		Iron	ASTM E-1251:2017
78.		Magnesium	ASTM E-1251:2017
79.		Manganese	ASTM E-1251:2017
80.		Nickel	ASTM E-1251:2017
81.		Lead	ASTM E-1251:2017
82.		Silicon	ASTM E-1251:2017
83.		Tin	ASTM E-1251:2017
84.		Vanadium	ASTM E-1251:2017
85.		Zirconium	ASTM E-1251:2017
86.		Zinc	ASTM E-1251:2017
87.		Titanium	ASTM E-1251:2017

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
88.	Door Handles	Aluminium	ASTM E 1999
89.		Carbon	IS:12308(P-11)
90.		Chromium	IS:504(P-8)/IS:12308(P-8)/IS:228(P-6)
91.		Copper	IS:440/IS:504(P-3)
92.		Iron	IS:440/IS:504(P-2)
93.		Lead	IS:440/IS:504(P-1)
94.		Magnesium	ASTM E 1999/IS:504(P-6)
95.		Manganese	IS:12308(P-10)/IS:504(P-5)
96.		Nickel	IS:440/IS:504(P-7)/IS:12308(P-7)
97.		Ni-Cr-Plated	IS:1068-1993
98.		Phosphorus	IS:12308(P-5)/IS:440, IS 228(P-3)
99.		Silicon	IS:504(P-1)/IS:12308(P-6)
100.		Sulphur	BS EN 15079, IS 228 Part 9
101.		Tin	IS:440/IS:504(P-9)
102.		Titanium	IS:504(P-11)
103.	Zinc	IS:504(P-5)	

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
1.	OPC Cement	Iron Oxide	IS 4032 (Clause 4.5): 1985
2.		Alumina	IS 4032 (Clause 4.6): 1985
3.		Combined ferric oxide and Alumina	IS 4032 (Clause 4.4): 1985
4.		Calcium Oxide	IS 4032 (Clause 4.7.1,4.7.2): 1985
5.	Cement (OPC/PPC)	Loss on Ignition	IS 4032 (Clause 4.2): 1985
6.		Magnesium Oxide	IS 4032 (Clause 4.8.1): 1985
7.	OPC Cement	Silica	IS 4032 (Clause 4.3): 1985
8.	Cement (OPC/PPC)	Sulphuric Anhydride	IS 4032 (Clause 4.9): 1985
9.		Total Chloride	IS 4032 (Clause 4.13): 1985
10.		Insoluble Residue	IS 4032 (Clause 4.10): 1985
11.		Alkali Content	IS 4032 (Clause 4.11): 1985
12.	Admixture	Ash Content	IS 9103 (Annex E, Clause E-2): 1999
13.		Chloride Ion content	IS 6925 (Clause 3): 1999
14.		Dry Material Content	IS 9103 (Annex E, Clause E-1): 1999
15.		pH value	IS 9103 (Annex E, Clause E-5): 1999
16.		Relative Density	IS 9103 (Annex E, Clause E-3): 1999

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Chemical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building Materials			
17.	Fly Ash	Calcium Oxide	IS 1727 (Clause 5.8): 1967	
18.		Combined Ferric Oxide and Alumina Oxide	IS 1727 (Clause 5.5): 1967	
19.		Loss on Ignition	IS 1727 (Clause 5.3): 1967	
20.		Magnesium Oxide	IS 1727 (Clause 5.9): 1967	
21.		Silica	IS 1727 (Clause 5.4): 1967	
22.		Sulphur Trioxide	IS 1727 (Clause 5.10): 1967	
23.		Alkali Content	IS 4032 (Clause 4.11): 1985	
24.		Total Chloride	IS 4032 (Clause 4.13): 1985	
25.		Coarse Aggregate / Fine Aggregate	Dissolved Silica	IS 2386 (Part-7, Clause 3): 1963
26.			Reduction in Alkalinity	IS 2386 (Part-7, Clause 3): 1963
27.	Total Sulphate Content		BS EN 1744 (Part 1): 1988	
28.	Acid Soluble Chloride Content		BS EN 1744 (Part 1): 1988	
29.	Total Alkali content		IS 4032 (Clause 4.11): 1985	
30.	Water for Construction Purpose	Acidity (Volume Of 0.02N- NaOH TO Neutralize 100 ml of Water	IS 3025 (Part-22, Clause 9.2): 2024	

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
31.		Alkalinity (Volume of 0.02 N-NaOH to Neutralize 100 ml of Water)	IS 3025 (Part-23, Clause 10.1): 2023
32.		Chloride Content	IS 3025 (Part-32, Clause 2): 1988
33.		Inorganic Solid	IS 3025 (Part-18): 2022
34.		Organic Solid	IS 3025 (Part-18): 2022
35.	Water for Construction Purpose	pH	IS 3025 (Part-11, Annex D): 2022
36.		Sulphate	IS 3025 (Part-24/Section 1): 2022
37.		Suspended Matter	IS 3025 (Part-17): 2022
38.	Galvanized Steel Sheet/Wire	Mass of Zinc Coating	IS 6745: 1972
39.		Uniformity of Zinc Coating	IS 2633: 1986
40.	Retention of Preservative in Wood & Its Allied Product	Chromium	IS 2753 (Part-1): 1991
41.		Boron	IS 2753 (Part-1): 1991
42.		Zinc	IS 2753 (Part-1): 1991
43.		Copper	IS 2753 (Part-1): 1991
44.	Retention of Preservative in Wood & Its Allied Product	Arsenic	IS 2753 (Part-1): 1991

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
45.	Synthetic Resin Adhesives for Plywood	Acidity and Alkalinity (pH)	IS 848: 2006
46.	Formaldehyde Content in Wood & Its Allied Product	Formaldehyde Content	IS 13745: 2020
47.	Portland Cement Clinker	Ratio of percentage of lime to percentages of silica, alumina and iron oxide	IS 4032: 1985
48.	Portland Cement Clinker	Ratio of percentage of alumina to that of iron oxide	IS 4032: 1985
49.	Portland Cement Clinker	C ₃ S, percent by mass	IS 4032: 1985
50.	Portland Cement Clinker	C ₃ A, percent by mass	IS 4032: 1985
51.	Portland Cement Clinker	C ₃ S+C ₂ S, percent by mass	IS 4032: 1985
52.	Portland Cement Clinker	Total sulphur content calculated as sulphuric anhydride (SO ₃)	IS 4032: 1985
53.	Portland Cement Clinker	Free lime	IS 4032: 1985
54.	Portland Cement Clinker	Magnesia	IS 4032: 1985
55.	Portland Cement Clinker	Alkali content, percent by mass expressed as sodium oxide (Na ₂ O)	IS 4032: 1985
56.	Portland Cement Clinker	Total loss on ignition	IS 4032: 1985

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
57.	Portland Cement Clinker	Insoluble residue	IS 4032: 1985
58.	Portland Slag Cement - (PSC)	Insoluble Residue	IS 4032: 1985
59.	Portland Slag Cement - (PSC)	Loss on Ignition	IS 4032: 1985
60.	Portland Slag Cement - (PSC)	Magnesium Oxide	IS 4032: 1985
61.	Portland Slag Cement - (PSC)	Sulphide sulphur (S)	IS 4032: 1985
62.	Portland Slag Cement - (PSC)	Sulphur trioxide (SO ₃)	IS 4032: 1985
63.	Composite Cement	Chloride Content	IS 4032 Amd. 2: 1985
64.	Composite Cement	Insoluble Residue	IS 4032: 1985
65.	Composite Cement	Loss on Ignition	IS 4032: 1985
66.	Composite Cement	Magnesium Oxide	IS 4032: 1985
67.	Composite Cement	Alkalies as Na ₂ O	IS 4032: 1985
68.	Composite Cement	Sulphide sulphur (S)	IS 4032: 1985
69.	Composite Cement	Sulphuric Anhydride	IS 4032: 1985
70.	Bentonite	Gel Formation index	IS 6186: 1986
71.	Bentonite	Filtration loss	IS 6186: 1986
72.	Bentonite	Sand content	IS 6186: 1986

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
73.	Bentonite	Moisture	IS 6186: 1986
74.	Bentonite	pH	IS 6186: 1986
75.	Bentonite	Swelling Power	IS 6186: 1986
76.	Silicafume/ Microsilica	Moisture	IS 3812 (P-1): 2013
77.	Silicafume/ Microsilica	Loss on Ignition	IS 1727: 1967
78.	Silicafume/ Microsilica	SiO ₂	IS 1727: 1967
79.	Silicafume/ Microsilica	Alkalies as Na ₂ O	IS 1727: 1967
80.	Pressed Ceramic Tiles	Resistance to acids Sulphuric acid, Lactic acid, Hydrochloric acid, Citric acid and Alkalies (Potassium Hydroxide)	IS 13630 (P-7/8): 2019
81.	Pressed Ceramic Tiles	Resistance to household chemical and swimming Pool Water Cleaners Except to Cleaning agent Containing Hydrofluoric acid and its Compound	IS 13630 (P-7/8): 2019
82.	Pressed Ceramic Tiles	Resistance to Staining	IS 13630 (P-8): 2013
83.	Building Limes	Calcium and magnesium oxides	IS 6932 (P-1): 2025
84.	Building Limes	Magnesium oxides	IS 6932 (P-1): 2025

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
85.	Building Limes	Silica, alumina and ferric oxide	IS 6932 (P-1): 2025
86.	Building Limes	Un-hydrated magnesium oxide	IS 6932 (P-5): 2025
87.	Building Limes	Insoluble residue in dilute acid and alkali,	IS 6932 (P-1): 2025
88.	Building Limes	Carbondioxide	IS 6932 (P-2): 2025
89.	Building Limes	Free moisture content	IS 1514: 1990
90.	Building Limes	Available Lime as CaO	IS 1514: 1990

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
1.	Plywood & its allied products	Quality requirements	IS 303: 2024/IS: 5509-2021
2.		Length	IS 303: 2024 /IS: 1659-2004/IS: 710-2010/ IS: 1328-1996/IS: 4990: 2024/ IS: 5509-2021/IS: 3087-2005/IS: 2380(P-2)/IS: 12406: 2021/IS 12823: 2015/IS 14587: 2023
3.		Width	IS 303: 2024 /IS: 1659-2004/IS: 710-2010/IS: 1328-1996/IS: 4990: 2024/ IS: 5509-2021/IS: 3087-2005/IS: 2380(P-2)/IS: 12406: 2021/IS 12823: 2015/IS 14587: 2024
4.		Edge straightness	IS 303: 2024 /IS: 1659-2004/IS: 710-2010/IS: 1328-1996/IS: 4990: 2024/IS: 5509-2021/IS: 3087-2005/IS: 2380(P-2)/IS: 12406: 2021/IS 12823: 2015/IS 14587: 2025
5.		Thickness	IS 303: 2024 /IS: 1659-2004/IS: 710-2010/IS: 1328-1996/IS: 4990: 2024/ IS: 5509-2021/IS: 3087-2005/IS: 2380(P-2)/IS: 12406: 2021/IS 12823: 2015/IS 14587: 2026
6.		Squareness	IS 303: 2024 /IS: 1659-2004/IS: 710-2010/IS: 1328-1996/IS: 4990: 2024/ IS: 5509-2021/IS: 3087-2005/IS:

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
			2380(P-2)/IS: 12406: 2021/IS 12823: 2015/IS 14587: 2027
7.	Block Board	Dimensional Changes Caused by Humidity	IS 1659: 2004
8.		Modulus of Elasticity	IS 1659: 2004
9.		Modulus of Rupture	IS 1659: 2004
10.		Mycological Test	IS 1659: 2004
11.		Resistance to Water	IS 1659: 2004
12.		Spot Test	IS 1659: 2004
13.		Thickness Variation	IS 1659: 2004
14.		Adhesion of Plies	IS 1659: 2004
15.	Fire Retardant Plywood	Flame Penetration	IS 1734 (Part-3): 1983
16.		Flammability	IS 1734 (Part-3): 1983
17.		Moisture Content	IS 1734 (Part-1): 1983
18.		Rate of Burning	IS 1734 (Part-3): 1983
19.		Static Bending Strength Modulus of Elasticity	IS 1734 (Part-11): 1983
20.		Static Bending Strength Modulus of rupture	IS 1734 (Part-11): 1983
21.		Water Resistant Test	IS 1734 (Part-6): 1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
22.	Marine Plywood	Glue adhesion in dry state adhesion of plies	IS 1734 (Part-4 & 5): 1983
23.		Glue adhesion in dry state glue shear strength	IS 1734 (Part-4&5): 1983
24.		Moisture Content	IS 1734 (Part-1): 1983
25.		Mycological Test Adhesion of Plies	IS 1734 (Part-5): 1983
26.		Mycological Test Glue Shear Strength	IS 1734 (Part-4): 1983
27.		Static Bending Strength Modulus of Elasticity	IS 1734 (Part-11): 1983
28.		Water Resistance Test Adhesion Of Plies	1734 (Part-5): 1983
29.		Water Resistance Test Glue Shear Strength	IS 1734 (Part-4): 1983
30.		Wet Bending Strength Modulus of Elasticity	IS 1734 (Part-11): 1983
31.		Wet Bending Strength Modulus of Rupture	IS 1734 (Part-11): 1983
32.		Static bending Strength Modulus of Rupture	IS 1734 (Part-11): 1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
33.	Plywood for General Purpose	Adhesion of Plies	IS 1734 (Part-5): 1983
34.		Modulus of Elasticity	IS 1734 (Part-11): 1983
35.		Modulus of Rupture	IS 1734 (Part-11): 1983
36.		Moisture Content	IS 1734 (Part-1): 1983
37.		Mycological Test	IS 1734 (Part-7): 1983
38.		Quality Requirements	IS 303: 2024
39.		Water Resistance Test	IS 1734 (Part-6): 1983
40.	Plywood for concrete shuttering works	Glue Adhesion in Dry State Adhesion of Plies	IS 1734 (Part-5): 1983
41.		Glue Adhesion in Dry State Glue Shear Strength	IS 1734 (Part-4): 1983
42.		Moisture Content	IS 1734 (Part-1): 1983
43.		Mycological Test Glue Shear Strength	IS 1734 (Part-4): 1983
44.		Plywood With Plastic Coating or With Suitable Overlay	IS 4990: 2024
45.		Resistance to Water Test Adhesion of Plies	IS 1734 (Part-5): 1983
46.		Resistance to Water Test Glue Shear Strength	IS 1734 (Part-4): 1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
47.	Plywood for concrete shuttering works	Squareness	IS 4990: 2024
48.		Static Bending Strength Modulus of Elasticity	IS 1734 (Part-11): 1983
49.		Static Bending Strength Modulus of Rupture	IS 1734 (Part-11): 1983
50.		Tensile strength	IS 1734 (Part-9): 1983
51.		Wet Bending Strength Modulus of Elasticity	IS 1734 (Part-11): 1983
52.		Wet Bending Strength Modulus of Rupture	IS 1734 (Part-11): 1983
53.	Veneered Decorative Plywood	Moisture Content	IS 1734 (Part-1): 1983
54.		Water Resistance Test	IS 1734 (Part-6): 1983
55.	Flush Door shutter	Dimension & Tolerance (a) Hight	IS 4020 (Part-2): 1998
56.		Dimension & Tolerance (c) Width	IS 4020 (Part-2): 1998
57.		Dimension & Tolerance (b) Thickness	IS 4020 (Part-2): 1998
58.		End Immersion Test	IS 4020 (Part-13): 1998
59.		Glue Adhesion	IS 4020 (Part-15): 1998
60.		Knife Test	IS 4020 (Part-14): 1998

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
Wood and Wood Products				
61.	Flush Door shutter	Squareness	IS 4020 (Part-2): 1998	
62.		Flatness	IS 4020 (Part-3): 1998	
63.		Local Planeness Test	IS 4020 (Part-4): 1998	
64.		Impact Indentation Test	IS 4020 (Part-5): 1998	
65.		Flexure Test	IS 4020 (Part-6): 1998	
66.		Edge Loading Test	IS 4020 (Part-7): 1998	
67.		Shock Resistance Test	IS 4020 (Part-8): 1998	
68.		Buckling Resistance Test	IS 4020 (Part-9): 1998	
69.		Slamming Test	IS 4020 (Part-10): 1998	
70.		Misuse Test	IS 4020 (Part-11): 1998	
71.		Varying Humidity Test	IS 4020 (Part-12): 1998	
72.		Screw Withdrawal Resistance Test	IS 4020 (Part-16): 1998	
73.		Particle Board of Wood and Other Lignocellulic Material	Density	IS 2380 (Part 3): 1977
74.			Moisture Content	IS 2380 (Part 3): 1977
75.	Water Absorption		IS 2380 (Part 16): 1977	
76.	Swelling in Water		IS 2380 (Part 17): 1977	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
77.	Particle Board of Wood and Other Lignocellulosic Material	Swelling Due to Surface Absorption	IS 2380 (Part 17): 1977
78.		Modulus of Rupture	IS 2380 (Part 4): 1977
79.		Modulus of Elasticity	IS 2380 (Part 4): 1977
80.		Tensile Strength Perpendicular to Surface	IS 2380 (Part 5): 1977
81.		Tensile Strength Perpendicular to Surface After Ageing	IS 2380 (Part 5): 1977
82.		Screw Withdrawal Strength	IS 2380 (Part 14): 1977
83.		Prelaminated Particle Boards from Wood and other Lignocellulosic Material	Density
84.	Moisture Content		IS 2380 (Part 3): 1977
85.	Water Absorption		IS 2380 (Part 16): 1977
86.	Swelling in Water		IS 2380 (Part 17): 1977
87.	Swelling Due to Surface Absorption		IS 2380 (Part 17): 1977
88.	Modulus of Rupture		IS 2380 (Part 4): 1977
89.	Modulus of Elasticity		IS 2380 (Part 4): 1977
90.	Tensile Strength Perpendicular to Surface		IS 2380 (Part 5): 1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Wood and Wood Products			
91.	Prelaminated Particle Boards from Wood and other Lignocellulosic Material	Tensile Strength Perpendicular to Surface After Ageing	IS 2380 (Part 5): 1977
92.		Screw Withdrawal Strength	IS 2380 (Part 14): 1977
93.		Abrasion Resistance	IS 12823: 2015
94.		Resistance to Steam	IS 12823: 2015
95.		Crack Resistance	IS 12823: 2015
96.		Resistance to Cigarette Burn	IS 12823: 2015
97.		Resistance to Stain	IS 12823: 2015
Medium Density Fibre Boards for General Purpose			
98.	Medium Density Fibre Boards for General Purpose	Density	IS 2380 (Part 3): 1977
99.		Moisture Content	IS 2380 (Part 3): 1977
100.		Water Absorption	IS 2380 (Part 16): 1977
101.		Swelling in Water	IS 2380 (Part 17): 1977
102.		Swelling Due to Surface Absorption	IS 2380 (Part 17): 1977
103.		Modulus of Rupture	IS 2380 (Part 4): 1977
104.		Modulus of Elasticity	IS 2380 (Part 4): 1977
105.	Tensile Strength Perpendicular to Surface	IS 2380 (Part 5): 1977	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Wood and Wood Products			
106.	Medium Density Fibre Boards for General Purpose	Tensile Strength Perpendicular to Surface After Ageing	IS 2380 (Part 5): 1977
107.		Screw Withdrawal Strength	IS 2380 (Part 14): 1977
108.	Prelaminated Medium Density Fibre Board	Density	IS 2380 (Part 3): 1977
109.		Moisture Content	IS 2380 (Part 3): 1977
110.		Water Absorption	IS 2380 (Part 16): 1977
111.		Swelling in Water	IS 2380 (Part 17): 1977
112.		Swelling Due to Surface Absorption	IS 2380 (Part 17): 1977
113.		Modulus of Rupture	IS 2380 (Part 4): 1977
114.		Modulus of Elasticity	IS 2380 (Part 4): 1977
115.		Tensile Strength Perpendicular to Surface	IS 2380 (Part 5): 1977
116.		Tensile Strength Perpendicular to Surface After Ageing	IS 2380 (Part 5): 1977
117.		Screw Withdrawal Strength	IS 2380 (Part 14): 1977
118.		Abrasion Resistance	IS 14587: 2023
119.	Resistance to Steam	IS 14587: 2023	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Wood and Wood Products			
120.	Prelaminated Medium Density Fibre Board	Crack Resistance	IS 14587: 2023
121.		Resistance to Cigarette Burn	IS 14587: 2023
122.		Resistance to Stain	IS 14587: 2023
123.	Synthetic Resin Adhesives for Plywood	Cyclic Test	IS 848: 2006
124.	Decorative Thermosetting Synthetic Resin Bonded Laminated Sheets	Thickness	IS 2046:1995
125.		Appearance	IS 2046:1995
126.		Warping	IS 2046:1995
127.		Straightness Test	IS 2046:1995
128.		Squareness	IS 2046:1995
129.		Resistance To Wear	IS 2046:1995
130.		Resistance To Impact	IS 2046:1995
131.		Resistance To Scratch	IS 2046:1995
132.		Resistance To Immersion In Boiling Water	IS 2046:1995
133.		Resistance To Dry Heat 180°C	IS 2046:1995
134.		Dimensional Stability At Elevated Temperature	IS 2046:1995

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
135.	Decorative Thermosetting Synthetic Resin Bonded Laminated Sheets	Dimensional Stability At 20°Ctemperature	IS 2046:1995
136.		Resistance To Impact By Small Diameter Ball	IS 2046:1995
137.		Resistance To Impact By Large Diameter Ball	IS 2046:1995
138.		Resistance To Cracking	IS 2046:1995
139.		Resistance To Scratching	IS 2046:1995
140.		Resistance To Staining	IS 2046:1995
141.		Resistance To Change In Colour In Xenon Arc Light	IS 2046:1995
142.		Resistance To Change In Colour In Carbon Arc Light	IS 2046:1995
143.		Resistance To Cigarette Burn	IS 2046:1995
144.		flammability	IS 2046:1995
145.		Resistance To Blistering	IS 2046:1995
146.		Resistance To Steam	IS 2046:1995
147.		Resistance To Crazing	IS 2046:1995
148.		Resistance To Moisture	IS 2046:1995

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
149.	Decorative Thermosetting	Flexural Modulus	IS 2046:1995
150.	Synthetic Resin Bonded	Flexural Strength	IS 2046:1995
151.	Laminated Sheets	Tensile Strength	IS 2046:1995



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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure and Construction Materials			
1.	Hardened Concrete	Compressive Strength	IS 516 (Part 1 / Sec 1) 2021	
2.		Water Permeability	IS 516 (Part 2/Sec 1) 2018	
3.	AAC Block	Block Density (Oven dry Condition)	IS 6441 (Part-1): 1972	
4.		Compressive Strength	IS 6441 (Part-5): 1972	
5.		Dimension (a) Length	IS 2185 (Part-3): 1984	
6.		Dimension (b) Width	IS 2185 (Part-3): 1984	
7.		Dimension (c) Height	IS 2185 (Part-3): 1984	
8.		Thermal Conductivity	IS 3346:1980	
9.		Drying Shrinkage	IS 6441 (Part-2): 1972	
10.		Concrete Paving Block	Abrasion Resistance	IS 15658: 2021
11.			Compressive Strength	IS 15658: 2021
12.	Length		IS 15658: 2021	
13.	Width		IS 15658: 2021	
14.	Thickness		IS 15658: 2021	
15.	Chamfer		IS 15658: 2021	

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
16.	Concrete Paving Block	Squareness	IS 15658: 2021
17.		Wearing face area	IS 15658: 2021
18.		Plain Area	IS 15658: 2021
19.		Aspect Ratio	IS 15658: 2021
20.		Flexural Strength	IS 15658: 2021
21.		Tensile Splitting Strength	IS 15658: 2021
22.		Water Absorption	IS 15658: 2021
23.	Chequered Cement Concrete Tiles	Dimension (a) Length	IS 13801: 2013
24.		Dimension (b) Width	IS 13801: 2013
25.		Dimension (c) Thickness	IS 13801: 2013
26.		Flatness of the Tile Surface	IS 13801: 2013
27.		Perpendicularity	IS 13801: 2013
28.		Straightness	IS 13801: 2013
29.		Water Absorption	IS 13801: 2013
30.		Wet Transverse Strength	IS 13801: 2013

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
31.	Chequered Cement Concrete Tiles	Resistance to Wear	IS 13801: 2013
32.		Thickness of Wearing Layer	IS 13801: 2013
33.		Dimension (a) Length	IS 1237: 2012
34.	Cement Concrete Flooring Tiles	Dimension (b) Width	IS 1237: 2012
35.		Dimension (c) Thickness	IS 1237: 2012
36.		Flatness of the Tile Surface	IS 1237: 2012
37.		Perpendicularity	IS 1237: 2012
38.		Straightness	IS 1237: 2012
39.		Water Absorption	IS 1237: 2012
40.		Wet Transverse Strength	IS 1237: 2012
41.		Resistance to Wear	IS 1237: 2012
42.		Thickness of Wearing Layer	IS 1237: 2012
43.		Common Burnt Clay Building Bricks	Dimension (b) Width
44.	Dimension (c) Height		IS 1077: 1992
45.	Dimension (a) Length		IS 1077: 1992

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
46.	Common Burnt Clay Building Bricks /Fuel Ash Lime Bricks	Compressive Strength	IS 3495 (Part-1): 2019
47.		Efflorescence	IS 3495 (Part-3): 2019
48.		Water Absorption	IS 3495 (Part-2): 2019
49.	Fuel Ash Lime Bricks	Dimension Test (a) Length	IS 12894: 2002
50.		Dimension Test (b) Width	IS 12894: 2002
51.		Dimension Test (c) Height	IS 12894: 2019
52.		Drying Shrinkage	IS 1199: 1959
53.	Admixture	Compressive Strength	IS 516 (Part-1/Sec-1): 2021
54.		Drying Shrinkage	IS 1199: 1959
55.		Flexural Strength	IS 516 (Part-1/Sec-1): 2021
56.		Slump/Loss of Workability	IS 1199 (Part 2 / Clause 4.3): 2018
57.		Water Content	IS 2386 (Part 3) : 1963
58.	Coarse Aggregate/Fine Aggregate	Sieve Analysis (IS Sieve Size:80,63,40,20, 16,12.5 10, 4.75, 2.36, 1.18, 0.600, 0.300, 0.150 mm)	2386 (Part-1): 1963

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
59.	Coarse Aggregate/Fine Aggregate (Crushed and uncrushed)	Bulk Density	2386 (Part 3): 1963
60.		Specific Gravity	IS 2386 (Part-3): 1963
61.		Water Absorption	IS 2386 (Part-3): 1963
62.		Soundness Test	IS 2386 (Part 5): 1963
63.		Coal and Lignite	2386 (Part 2): 1963
64.		Clay Lumps	2386 (Part 2): 1963
65.		Material finer than 75 micron IS Sieve	2386 (Part 1): 1963
66.		Coarse Aggregate (Uncrushed)	Soft Fragments
67.	Coarse Aggregate/Fine Aggregate (Crushed and uncrushed)	Total Deleterious Material	383:2016
68.	Coarse Aggregate	10 % fines value	2386 (Part-4): 1963
69.		Abrasion Value	IS 2386 (Part 4 /Clause 5.3): 1963
70.		Crushing Value	2386 (Part-4): 1963
71.		Elongation Index	2386 (Part-1): 1963

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
72.	Coarse Aggregate	Flakiness Index	2386 (Part-1): 1963
73.		Impact Value	2386 (part-4): 1963
74.	Fine Aggregate	Organic Impurities	IS 2386 (Part-2): 1963
75.	Cement (OPC/PPC)	Compressive Strength (a) 72 ± 1 Hrs	IS 4031 (Part-6): 1988
76.		Compressive Strength (b) 168 ± 2 Hrs	IS 4031 (Part-6): 1988
77.		Compressive Strength (c) 672 ± 4 Hrs	IS 4031 (Part-6): 1988
78.		Consistency	IS 4031 (Part-4): 1988
79.		Density	IS 4031 (Part-11): 1988
80.		Final Setting Time	IS 4031 (Part-5): 1988
81.		Fineness By Blaine air permeability apparatus	IS 4031 (Part-2): 1999
82.		Initial Setting Time	IS 4031 (Part-5): 1988
83.		Soundness By Autoclave Method	IS 4031 (Part-3): 1988
84.		Soundness By Le-Chatelier Method	IS 4031 (Part-3): 1988

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
85.	Cement (PPC)	Drying Shrinkage	IS 4031 (Part-10): 1988
86.	Fly ash	Compressive Strength	IS 1727: 1967
87.		Fineness by Blaine air permeability	IS 1727: 1967
88.		Lime Reactivity	IS 1727: 1967
89.		Moisture Content	IS 3812 (Part-1): 2013
90.		Residue on 45 micron IS Sieve (Wet sieving)	IS 1727: 1967
91.		Fly ash	Soundness (Autoclave method)
92.	Specific Gravity		IS 1727: 1967
93.	Paving Bitumen	Absolute viscosity at 60°C	IS 1206 (P-2): 2022
94.	Paving Bitumen	Kinematic viscosity at 135°C	IS 1206 (P-3) 2021
95.	Paving Bitumen	Viscosity ratio at 60°C	IS 1206 (P-2) 2022
96.	Paving Bitumen	Ductility at 25 °C	IS 1208 (P-1): 2023
97.	Paving Bitumen	Flash point (Cleveland open cup)	IS 1448 (P-69): 2019
98.	Paving Bitumen	Penetration	IS 1203: 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
99.	Paving Bitumen	Softening Point	IS 1205: 2022
100.	Paving Bitumen	Solubility in trichloroethylene	IS 1216: 2023
101.	Industrial Bitumen	Ductility at 27 °C	IS 1208 (P-1): 2023
102.	Industrial Bitumen	Flash point (Cleveland open cup)	IS 1448 (P-69): 2019
103.	Industrial Bitumen	Penetration	IS 1203: 2022
104.	Industrial Bitumen	Softening Point	IS 1205: 2022
105.	Industrial Bitumen	Specific Gravity	IS 1202: 2021
106.	Industrial Bitumen	Matter soluble in trichloroethylene	IS 1216: 2023
107.	Portland Slag Cement - (PSC)	Compressive Strength	IS 4031 (P-6): 1988
108.	Portland Slag Cement - (PSC)	Consistency	IS 4031 (P-4): 1988
109.	Portland Slag Cement - (PSC)	Density	IS 4031 (P-11): 1988
110.	Portland Slag Cement - (PSC)	Fineness (Blain Air)	IS 4031 (P-2): 1999
111.	Portland Slag Cement - (PSC)	Fineness by dry sieving	IS 4031 (P-1): 1996
112.	Portland Slag Cement - (PSC)	Setting Time (a) Initial Setting Time	IS 4031 (P-5): 1988
113.	Portland Slag Cement - (PSC)	Setting Time (b) Final Setting Time	IS 4031 (P-5): 1988

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
114.	Portland Slag Cement - (PSC)	Soundness by Autoclave	IS 4031 (P-3): 1988
115.	Portland Slag Cement - (PSC)	Soundness by Le- Chatlier	IS 4031 (P-3): 1988
116.	Composite Cement	Compressive Strength	IS 4031 (P-6): 1988
117.	Composite Cement	Consistency	IS 4031 (P-4): 1988
118.	Composite Cement	Density	IS 4031 (P-11): 1988
119.	Composite Cement	Fineness (Blain Air)	IS 4031 (P-2): 1999
120.	Composite Cement	Fineness by Dry Sieving	IS 4031 (P-1): 1996
121.	Composite Cement	Setting Time (a) Initial Setting Time	IS 4031 (P-5): 1988
122.	Composite Cement	Setting Time (b) Final Setting Time	IS 4031 (P-5): 1988
123.	Composite Cement	Soundness by Autoclave	IS 4031 (P-3): 1988
124.	Composite Cement	Soundness by Le- Chatlier	IS 4031 (P-3): 1988
125.	Composite Cement	Drying Shrinkage	IS 4031(P-10): 1988
126.	Bentonite	Fineness (a) Wet	IS 6186: 1986
127.	Bentonite	Fineness (a) Dry	IS 6186: 1986
128.	Bentonite	Viscosity at 30°C (a) Apparent	IS 6186: 1986

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
129.	Bentonite	Viscosity at 30°C (b) Plastic	IS 6186: 1986
130.	Silicafume/ Microsilica	Specific surface	IS 1727: 1967
131.	Silicafume/ Microsilica	Compressive Strength at 7 days	IS 1727: 1967
132.	Silicafume/ Microsilica	Oversize Percent Retained on 45 micron IS Sieve	IS 1727: 1967
133.	Building Limes	Fineness: (a) Residue on 2.36 mm IS Sieve	IS 6932 (P-4): 2025
134.	Building Limes	Fineness: (b) Residue on 300 micron IS Sieve	IS 6932 (P-4): 2025
135.	Building Limes	Fineness: (c) Residue on 212 micron IS Sieve	IS 6932 (P-4): 2025
136.	Building Limes	Residue on slaking: (a) Residue on 850 micron IS Sieve	IS 6932 (P-3): 2025
137.	Building Limes	Residue on slaking: (b) Residue on 300 micron IS Sieve	IS 6932 (P-3): 2025
138.	Building Limes	Setting time: (a) Initial set	IS 6932 (P-11): 2025
139.	Building Limes	Setting time: (b) Final set	IS 6932 (p 11) 2025
140.	Building Limes	Compressive strength	IS 6932 (p 7) 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
141.	Building Limes	Transverse strength at 28 days	IS 6932 (p 7) 2025
142.	Building Limes	Workability bumps	IS 6932 (p 8) 2025
143.	Building Limes	Volume yield	IS 6932 (p 6) 2025
144.	Building Limes	Soundness, Le-Chaterlier expansion	IS 6932 (p 9) 2025
145.	Building Limes	Popping & pitting	IS 6932 (p 10) 2025
146.	Hollow & Solid Concrete Blocks	Bulk Density	IS 2185 (p 1) : 2005
147.	Hollow & Solid Concrete Blocks	Compressive strength	IS 2185 (p 1): 2005
148.	Hollow & Solid Concrete Blocks	Drying Shrinkage	IS 2185 (P-1&2): 2005
149.	Hollow & Solid Concrete Blocks	Height	IS 2185 (p 1/2):: 2005
150.	Hollow & Solid Concrete Blocks	Length	IS 2185 (p 1/2):: 2005
151.	Hollow & Solid Concrete Blocks	Moisture Movement	IS 2185 (P-1&2): 2005
152.	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (p 1/2) : 2005

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
153.	Hollow & Solid Concrete Blocks	Width	IS 2185 (p 1/2):: 2005
154.	Pressed Ceramic Tile	Marking & Designation	IS 15622: 2017
155.	Pressed Ceramic Tile	Crazing Resistance	IS13630 (p 9): 2019
156.	Pressed Ceramic Tile	Determination of Impact Resistance by Measurement of Coefficient of Restitution	IS 13630 (p 14): 2019
157.	Pressed Ceramic Tile	Frost Resistance	IS 13630 (p 10): 2019
158.	Pressed Ceramic Tile	Determination of Linear Thermal Expansion	IS 13630 (p 4): 2019
159.	Pressed Ceramic Tile	Resistance to surface abrasion of glazed tiles (For Floor tiles)	IS 13630 (p 11): 2019
160.	Pressed Ceramic Tile	Breaking Strength	IS 13630 (p-6): 2019
161.	Pressed Ceramic Tile	Bulk density	IS 13630 (p-2): 2019
162.	Pressed Ceramic Tile	Length	IS 13630 (p-1): 2019
163.	Pressed Ceramic Tiles	Modulus of rupture	IS 13630 (p-6): 2019
164.	Pressed Ceramic Tiles	Moisture expansion	IS 13630 (p-3): 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
165.	Pressed Ceramic Tiles	Scratch Hardness on Mohs Scale	IS 13630 (p-1): 2019
166.	Pressed Ceramic Tiles	Surface quality	IS 13630 (p-1): 2019
167.	Pressed Ceramic Tiles	Thickness	IS 13630 (p-1): 2019
168.	Pressed Ceramic Tiles	Water absorption by mass	IS 13630 (p-2): 2019
169.	Pressed Ceramic Tiles	Width	IS 13630 (p-1): 2019
170.	Pressed Ceramic Tile	Resistance to deep abrasion of unglazed tiles	IS 13630 (p 12): 2019
171.	DBM, BC, S.D.B.C & Bituminous Material	Bitumen Content	IRC SP 11: 1984
172.	DBM, BC, S.D.B.C & Bituminous Material	Grading (Sieve Size- 37.5,19.0,13.2,9.5,4.75,2.36,1.18,0.600,0.300,0.150,0.075 mm)	IS 2386 (P-1): 1963
173.	DBM, BC, S.D.B.C & Bituminous Material	Thickness	By Vernier Calliper
174.	DBM, BC, S.D.B.C & Bituminous Material	Density of bituminous paving mix	ASTM D2726: 2021
175.	DBM, BC, S.D.B.C & Bituminous Material	Marshall Stability	ASTM D 6927: 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
176.	Concrete Core	Compressive Strength	IS 516 Part-4 : 2018
177.	Wooden Door Frame	Dimensions	IS 4021: 1995



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil and Rock		
1.	Soil	Free Swell Index (FSI)	IS 2720 (p-40): 1977
2.	Soil	Grain Size Analysis by Dry Sieving (0.075 to 4.75 mm)	IS 2720 (p-4): 1985
3.	Soil	Plasticity index	IS 2720 (p-5): 1985
4.	Soil & Granular Sub Base	California Bearing Ratio	IS 2720 (p-16): 1987
5.	Soil & Granular Sub Base	Heavy Compaction - Maximum Dry Density	IS 2720 (p 8): 1983
6.	Soil & Granular Sub Base	Heavy Compaction - Optimum Moisture Content	IS 2720 (p-8): 1983
7.	Soil & Granular Sub Base	Light Compaction - Maximum Dry Density	IS 2720 (p 7): 1980
8.	Soil & Granular Sub Base	Light Compaction - Optimum Moisture Content	IS 2720 (p 7): 1980
9.	Soil & Granular Sub Base	Liquid limit	IS 2720 (p-5): 1985
10.	Soil & Granular Sub Base	Plastic limit	IS 2720 (p-5): 1985
11.	Soil Testing Earthwork Grade, Blanketing Material, WBM, Stone Metal, WMM	Heavy Compaction MDD	IS 2720 (p-8): 1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil and Rock		
12.	Soil Testing Earthwork Grade, Blanketing Material, WBM, Stone Metal, WMM	Heavy Compaction OMC	IS 2720 (p-8): 1983
13.	Soil Testing Earthwork Grade, Blanketing Material, WBM, Stone Metal, WMM	Light Compaction - MDD	IS 2720 (p-7): 1980
14.	Soil Testing Earthwork Grade, Blanketing Material, WBM, Stone Metal, WMM	Light Compaction - OMC	IS 2720 (p-7): 1980
15.	Soil Testing Earthwork Grade, Blanketing Material, WBM, Stone Metal, WMM	Liquid Limit by Casagrande Method	IS 2720 (p-5): 1985
16.	Soil Testing Earthwork Grade, Blanketing Material, WBM, Stone Metal, WMM	Plastic Limit	IS 2720 (p-5): 1985
17.	Soil Testing Earthwork Grade, Blanketing Material, WBM, Stone Metal, WMM	Sieve Analysis (0.075 to 75 mm)	IS 2720 (p-4): 1985
18.	Soil / GSB / WMM	Dry Density by Core Cutter Method	IS 2720 (p 29): 1975

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil and Rock		
19.	Soil / GSB / WMM	Dry Density by Sand Replacement Method	IS 2720 (p 28):1974
20.	Granite	Dry Density	IS : 13030: 1991
21.	Granite	Moisture Content	IS : 13030: 1991
22.	Stone (Including Marble /Granite)	Resistance to Wear	IS: 1706: 1972
23.	Granite	Specific Gravity	IS 1122: 2023
24.	Stone (Including Marble /Granite)	Porosity	IS 1124: 1974
25.	Stone (Including Marble /Granite)	Specific gravity	IS 1124: 1974
26.	Stone (Including Marble /Granite)	Thickness	IS 1130: 1969
27.	Stone (Including Marble /Granite)	Water Absorption	IS 1124: 1974

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
1.	Wrought Aluminium and Its Allied Product	Tensile Test	IS 1608 Part 1:2022
2.		Proof Stress	IS 1608 Part 1:2022
3.		Yield Stress	IS 1608 Part 1:2022
4.		% Elongation	IS 1608 Part 1:2022
5.	Aluminium and Its Allied Product	Bend Test	IS 1599:2019
6.	Wrought Aluminium and Aluminium Alloy Bars, Rods and Sections for General Engineering Purposes	Dimensions And Tolerances	IS 3965:1981
7.	Wrought Aluminium and Aluminium Alloy Plate for General Engineering Purposes	Dimensions And Tolerances	IS 2677-1979
8.	Wrought Aluminium and Aluminium Alloy Sheet and Strip for General Engineering Purposes	Dimensions And Tolerances	IS 2676-1981

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
9.	Wrought Aluminium and Aluminium Alloys-Wire for General Engineering Purposes	Dimensions And Tolerances	IS 2525-1982
10.	Wrought Aluminium and Aluminium Alloy Rivet Stock for General Engineering Purposes	Dimensions And Tolerances	IS 3577:1992
11.	Wrought Aluminium and Aluminium Alloy Rivet Stock for General Engineering Purposes	Head Forming Test	IS 740:1977
12.	Corrugated Aluminium Sheet	Dimensions And Tolerance	IS 2676-1981 / IS 1254:2007
13.	Wrought Aluminium and Aluminium Alloys - Extruded Round Tube and Hollow Sections for General Engineering Purposes	Dimensions And Tolerance	IS 2673:2002/IS 6477:1983
14.	Wrought Aluminium Wires for Electrical Purposes	Diameter	IS 2067:1975
15.		Tensile Test	IS 2067:1975
16.		% Elongation	IS 2067:1975

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
17.	Dimensions for Wrought Aluminium and Aluminium Alloys Extruded Round Tube	Standard Sizes	IS 2673:2002 /IS 6477:1983
18.	Wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications (Second Revision)	Dimensional Tolerances	IS 5082:1998
19.	Wrought aluminium and aluminium alloys, Extruded Hollow Sections	Dimensional Tolerances	IS 6477:1983
20.	Aluminium Alloy Tubes for Irrigation Purposes Part I Welded Tubes	Dimensional Tolerances	IS 7092 PT 1:1992
21.	Aluminium Alloy Tubes for Irrigation Purposes Part I Welded Tubes	Flattening Test	IS 2826:1980
22.	Aluminium Alloy Tubes for Irrigation Purposes Part II Extruded Tubes	Dimensional Tolerances	IS 7092 PT 2:1992

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
23.	Aluminium Alloy Tubes for Irrigation Purposes Part II Extruded Tubes	Drift Expansion	IS 2335:1984
24.	Aluminium Alloy Forging Stock and Forgings (Alloy 24345) for Aerospace Applications	Dimensions And Tolerance	IS 7902:2001
25.	Hot Dip Aluminium-Zinc Alloy Metallic Coated Steel Strip	Dimensions Shape and Tolerance	IS 15961:2012/IS 16163
26.	and Sheet (Plain)	Coating Adhesion Test	IS 15961:2012
27.	Pre-Painted Aluminium Zinc Alloy Metallic Coated Steel Strip and Sheet (Plain)	Dimensions Shape and Tolerance	IS 15961:2012/IS 16163 :2012
28.		Coating Adhesion Test	IS 15965:2012
29.		Pencil Hardness Test	IS 15965:2012
30.		Gloss (Optional)	IS 15965:2012
31.		Dry Film Thickness (Optimal)	IS 15965:2012
32.	Pre-Painted Aluminium Zinc Alloy Metallic Coated Steel Strip and Sheet (Plain)	Scratch Hardness Test	IS 15965:2012
33.		Corrosion Resistance Test	IS 9844:1981
34.		Humidity Resistance Test	IS 101 (Part-)/6 Sec-1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
35.	High Rolled medium & High tensile Structural Steel and Its Allied Product	Tensile Test	IS 1608 Part 1:2022
36.		Yield Stress	IS 1608 Part 1:2022
37.		Charpy Impact Test	Is 1757 part1-2020
38.		% Elongation	IS 1608 Part 1:2022
39.	Steel and Its Allied Product	Tensile Load	IS 1608 Part 1:2022
40.		Tensile Strain Hardening	IS 15756:2022
41.	High Rolled medium & High tensile Structural Steel and Its Allied Product	Bend Test	IS 1599:2019
42.	Steel and Its Allied Product	Rockwell Hardness	S 1586 (Part 1): 2018
43.		Vicker Hardness	IS 1501 Part 1 & 2:2020
44.	Galvanized Steel Strips and Sheets (Plain and Corrugated)	Bend Test	IS 277:2018
45.		Coating Test	IS 6745:1972
46.		Mass	IS 277:2018
47.		Dimensions And Tolerance	IS 277:2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
48.	Galvanized Steel Barbed Wire for Fencing	Size	IS 278:2009
49.		Size	IS 278:2009
50.		Ductility Test	IS 1755:2018
51.	Mild Steel Wire for General Engineering	Sizes	IS 280:2006
52.		Bend Test	IS 280:2006
53.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement Part I Mild Steel and Medium Tensile Steel Bar	Size And Tolerance	IS 432 Part 1:1982/ IS 1852:1985
54.		Mass/Meter	IS 1732:1989
55.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement Part II Hard Drawn Steel Wire	Nominal Size And Tolerance	IS 432 Part 2:1982
56.	Cold Reduced Carbon Steel Sheet and Strip Part 1 Cold Forming and Drawing Purpose	Plastic Strain Ratio	IS 11999
57.		Dimensions And Tolerance	IS 513 Part 1:2016/IS 16162:2012

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
58.	Cold Reduced Carbon Steel Sheet and Strip Part 2 High Tensile and Multi-phase Steel	Dimensions And Tolerance	IS 513 Part 2:2016/IS 16162:2012
59.	Hot Rolled Steel Strips (Bailing)	Dimensions And Tolerance	IS 1029:1970
60.	Hot Rolled Carbon Steel Sheet, Plate and Strip	Dimensions And Tolerance	IS 1079:2017/IS 1730:1989/ IS 16160:2005
61.		Cupping Test	IS 10175:2018
62.	Steel Butt Hinges	Dimensions And Tolerance	IS 1341:2018
63.	Mild Steel Wire, Cold Heading Quality	Crushing Test	IS 1673:1984
64.		Dimensions And Tolerance	IS 1673:1984
65.	Plain Hard Drawn Steel Wire for Prestressed Concrete	Nominal Size and Tolerance	IS 1785 Part 2:1983
66.	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement	Tensile Test	IS 1608 Part 1:2022
67.		Yield Stress	IS 1608 Part 1:2022
68.		% Elongation	IS 1608 Part 1:2022
69.		Mass per Meter	IS : 1786: 2008

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
70.		Bend Test	IS 1599: 2023
71.		Rebend Test	IS 1786:2008
72.		Pull Out Test	IS 2770 PART 1:1967
73.	Carbon Steel Wire for The Manufacture of Wood Screws	Size Tolerance	IS 1812:1982
74.		Bend Test	IS 1812:1982
75.	Round steel wire for ropes	Size and Dimensions	IS 1835:1976
76.		Tortion Test	IS 1717:2018
77.	Carbon Steel Billets, Blooms, Slabs and Bars for Forgings	Dimensions	IS 1875:1992`
78.	Specification for Cold Forged Solid Steel Rivets for Hot Closing (6 to 16mm Diameter)	Dimension	IS 10102:1982
79.		Shear Test	IS 10102:1982
80.		Head Soundness Test	IS 10102:1982
81.	Cold - rolled steel strips for springs	Tolerance	IS 2507:1975
82.		Tolerances On Edge Camber	IS 2507:1975
83.		Vicker Hardness	IS 1501 Part 1 & 2:2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
84.	Steel drums (galvanized and ungalvanized)	Capacity	IS 2552:1989
85.		Dimensions	IS 2552:1989
86.		Air Pressure Test	IS 2552:1989
87.		Handle Pull Out Test	IS 2552:1989
88.		Drop Test	IS 2552:1989
89.		Closure	IS 1784:1984
90.	Mild steel for metal arc welding electrodes	Dimensions	IS 2879:1988
91.		Tolerances	IS 2879:1988
92.	Steel Chequered Plate	Dimensions and Rolling Tolerances	IS 3502:2009
93.	Low carbon galvanized steel wires, formed wires and tapes for armouring of cables	Dimensions and Tolerances	IS 3975:1999
94.	Low carbon galvanized steel wires, formed wires and tapes for armouring of cables	Resistance Test	IS 10810 Part 42
95.	Steel Wire for Umbrella Ribs	Size	IS 4223:1979

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
96.	Steel Wire for Umbrella Ribs	Torsion Test	IS 1717:2018
97.		Straightness Test	IS 4223:1979
98.		Deflection Test	IS 4223:1979
99.	Steel Wire for Staple Pins and Clips	Size and Tolerance	IS 4324:1972
100.	Alloy steel billets, blooms and slabs for forging for general engineering purposes	Dimensions and Tolerances	IS 4368:1967
101.	Stainless Steel Sheets and Strips for Utensils	Dimensions and Tolerances	IS 5522:2914
102.		Cupping Test	IS 10175:2018
103.	Cold Rolled Steel Strips (Box Strappings)	Dimensions and Tolerances	IS 5872:1990
104.		Corrosion Resistance Test	IS 9844:1981
105.	Stainless Steel Wire Rods	Dimensions and Tolerances	IS 6527:1995
106.	Stainless Steel Wire	Resistance Test	IS 10461 Part 1 And Part 2:1994
107.	Stainless Steel Billets, Bloom and Slabs	Resistance Test	IS 10461 Part 1 And Part 2:1994
108.		Dimensions and Tolerances	IS 6529:1996

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
109.	Stainless Steel Bars and Flats	Dimensional Tolerance	IS 6603:2001
110.		Corrosion Test	IS 10461 Part 1 And Part 2:1994
111.	Steel Wires for Spokes	Wire Diameter and Tolerance	IS 6902:1973
112.		Bend Test	IS 1716:2023
113.	Stainless Steel Plate, Sheet and Strip	Dimensional Tolerance	IS 6911:2017
114.	Stainless Steel Plate, Sheet and Strip	Corrosion Test	IS 10461 Part 1 And Part 2:1994
115.		Erichson Cupping Test	IS 10175:2018
116.	Steel Wire (Up to 20mm) for the Manufacture of Cold-Forged Rivets	Shear Test	IS 10102:1982
117.		Dimensional Tolerance	IS 7557:1982
118.	Mild Steel Wire Rod for General Engineering Purposes	Size and Tolerance	7887:1992
119.	Steel Cast Billet Ignots, Billets and Blooms for Production of High Carbon Steel Wire Rods	Dimensions	IS 8951:2001
120.	Steel Ingots, Blooms and Billets for Production of Mild	Dimensions	IS 8952:1995
121.		Macro Examination	IS 11371:1985

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
122.	Steel Wire Rods for General Engineering Purposes	Sulphur Print Test	IS 12037:1987
123.		Inclusion Rating	IS 4163:1982
124.	Cold-Rolled Steel Strips for Carbon Steel Razor Blades	Dimensions and Tolerances	IS 9476:1980
125.		Microstructure	IS 7739 Part 1 And 7739 Part 5:1976
126.	Heat Resisting Steels	Dimensions and Tolerances	IS 9516:1980
127.	Bright Steel Bars	Dimensions and Tolerances	IS 9550:2001
128.		Decarburization Test	IS 9550:2001
129.	Steel Wire for Needles	Size Of Wire	IS 9962:1981
130.		Decarburization Test	IS 9962:1981
131.	Fasteners - Threaded Steel Fasteners - Step Bolts for Steel Structures	Dimension and Tolerance	IS 10238:2001
132.		Cantilever Test	IS 10238:2001
133.	Stainless Steel for Welding Electrode Core Wire	Size and Tolerance	IS 10631:1983
134.	Hot-Rolled Steel Strip for Welded Tubes and Pipes	Dimension and Tolerance	IS 1079:2017/IS 1730:1989/ IS 16160:2005

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
135.	Hot Rolled Carbon Steel Strip for Cold Rolling Purposes	Dimension and Tolerance	IS 11513:2017
136.	Fastener Threaded Steel Fasteners - Hexagon Head	Dimension and Tolerance	IS 12427:2001
137.	Transmission Tower Bolts	Shear Strength	IS 12427:2001
138.	Continuously Pre-Painted Galvanized Steel Sheets and Coils	Bend Test	IS 14246:2013
139.		Pencil Hardness Test	IS 14246:2013
140.		Impact Resistance	IS 14246:2013
141.		Cross Hatch Test	IS 14246:2013
142.		Appearance	IS 14246:2013/101 Pt 4 Sec-4
143.		Salt Spray Corrosion Test	IS 9844:1981
144.		Dimension Tolerance	IS 14246:2013
145.	Low Carbon High Strength Cold Rolled Steel Sheets and Coils for Cold Forming	Dimension and Tolerance	IS 14491:1997

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
146.	Hot Rolled Steel Narrow Width Strip for Welded Tubes and Pipes	Dimension and Tolerance	IS 15647:2006/IS 1852/IS 1079:2017/IS 1730:1989
147.		Cupping Test	IS 10175:2018
148.	Stainless Steel Tower Bolts	Dimension	IS 15833:2000
149.	High Tensile Strength Flat Rolled Steel Plate (UP To 6 mm), Sheet and Strip for The Manufacture of Welded Gas Cylinder	Dimension and Tolerance	IS 15914:2011/ IS 1730:1989 IS 16160 :2012
150.	Hot Dip Aluminium-Zinc Alloy Metallic Coated Steel Strip and Sheet (Plain)	Dimension Shape and Tolerance	IS 15961:2012/IS 16163 :2012
151.		Coating Adhesion Test	IS 15961:2012
152.	Pre-Painted Aluminium Zinc Alloy Metallic Coated Steel Strip and Sheet (Plain)	Dimension Shape and Tolerance	IS 15961:2012/IS 16163 :2012
153.		Gloss	IS 15965:2012
154.		Dry Film Thickness	IS 15965:2012
155.		Corrosion Resistance Test	IS 9844:1981
156.		Humidity Resistance Test	IS 101 Part-6 Sec-1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
157.	Low Nickel Austenitic Stainless-Steel Sheet and Strip for Utensils and Kitchen Appliances	Cupping Test	IS 10175:2018
158.	Hollow Steel Sections for Structural Use	Outside Dimension	IS 4923:2017
159.		Thickness	IS 4923:2018
160.		Concavity and Convexity	IS 4923:2019
161.		Squareness Of Side	IS 4923:2020
162.		Straightness and Twist	IS 4923:2021
163.		Weight	IS 4923:2022
164.		Steel Pipes for Water and Sewage	Flattening Test
165.	Guided Bend Test		IS 3589:2001
166.	Dimension And Tolerance		IS 3589:2001
167.	Mass Per Meter Run		IS 3589:2001
168.	Steel Tubes Used for Water Well	Flattening Test	IS 2328:2005

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
169.	Steel Tubes Used for Water Well	Dimensions (Thickness)	IS 4270:2001
170.		Dimensions (Outer dia.)	IS 4270:2001
171.		Mass Per Meter Run	IS 4270:2001
172.		Pipe Tube Ends	IS 4270:2001
173.		Alignment	IS 4270:2001
174.		Coating Test	IS 4270:2001
175.		Steel Tubes for Idlers for Belt Conveyors	Flattening Test
176.	Drift Expansion		IS 2335:1984
177.	Weight		IS 9295:1983
178.	Ovality		IS 9295:1983
179.	Dimension Tolerances (Outer Dia.)		IS 9295:1983
180.	Straightness		IS 9295:1983
181.	Length		IS 9295:1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
182.	Composite Bottom Stainless-Steel Cooking Utensils	Adhesion Test	IS 15960: 2013
183.		Coating Thickness Test	IS 15960: 2013
184.		Staining Test	IS 15960: 2013
185.	Grey Iron Castings	Size	IS 210:2009
186.		Transverse Test	IS 210:2009
187.	Centrifugally cast (Spun) iron pressure pipes for water, gas and sewage	Size and Dimensions	IS 1536:2001
188.		Mass	IS 1536:2001
189.		Coating Test	IS 1536:2001
190.	Cast iron fittings for pressure pipes for water, gas and sewage	Size and Dimensions	IS 1538:2001
191.		Mass	IS 1538:2001
192.		Coating Test	IS 1538:2001
193.	Cast iron/ductile iron drainage pipes and pipe fittings for over ground non-pressure pipeline socket and spigot series	Masses	IS 1729:2002
194.		Dimension And Tolerances	IS 1729:2002
195.		Hammer Test	IS 1729:2002
196.		Leakage Test	IS 1729:2002
197.		Coating Test	IS 1729:2002

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Mechanical Properties of Metals			
198.	Specification for Horizontally Cast-Iron Double Flanged Pipes for Water, Gas and Sewage	Size and Mass	IS 1538:2001	
199.		Permissible Deviation from Straightness	IS 7181:1986	
200.		Coating Test	IS 7181:1986	
201.		Centrifugally Cast (Spun) Ductile Iron Pressure Pipes for Water, Gas and Sewage	Tensile Strength Flange	IS 8329:2000
202.			Tensile Test	IS 8329:2000
203.			% Elongation	IS 1608 Part 1:2022
204.			Length	IS 8329:2000
205.			Internal Dia	IS 8329:2001
206.			Wall Thickness	IS 8329:2002
207.			External Diameter	IS 8329:2002
208.			Ovality	IS 8329:2000
209.	Deviation From Straight Line		IS 8329:2001	
210.	Coating		IS 8329:2002	
211.	Internal Lining	IS 8329:2003		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
212.	Ductile Iron Fittings for Pressure Pipes for Water, Gas and Sewage	Tensile Strength Flange	IS 9523:2000
213.		Tensile Test	IS 9523:2002
214.		% Elongation	IS 9523:2003
215.		Length	IS 9523:2006
216.		Internal Dia	IS 9523:2007
217.		Wall Thickness	IS 9523:2008
218.		External Diameter	IS 9523:2009
219.		Ovality	IS 9523:2010
220.		Deviation From Straight Line	IS 9523:2011
221.		Coating	IS 9523:2012
222.		Internal Lining	IS 9523:2013
223.		Free Cutting Brass Bars, Rods and Section	Dimension And Tolerances
224.	Copper and its Allied Product	Tensile Test	IS 1608 Part 1:2022
225.		% Elongation	IS 1608 Part 1:2022
226.		Proof Stress	IS 1608 Part 1:2022

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
227.	High Tensile Brass Rods and Sections	Sizes and tolerance	IS 320:1980/IS 2826:1980
228.	Copper and its Allied Product	Vicker Hardness	IS 1501 Part 1 & 2:2020
229.		Bend Test	IS 1599:2019
230.	Cold Roll Brass Sheet Strip and Foil	Dimensions	IS 410:1977/ IS 3052:1986
231.		Dimensions	IS 410:1977/IS 3052:1986
232.	Brass Wires for General Eng Purposes	Dimension And Tolerances	IS 9861:1981
233.	Copper Rods and Bars for Electrical Purposes	Dimension And Tolerances	IS 613:2000
234.	Solid Drawn Copper and Copper Alloy Tubes for Condensers and Heat Exchangers	Dimension And Tolerances	IS 1545:1994 /5493:1981
235.		Flattening Test	2328:1983
236.		Drift Expansion	2326:1985
237.		Microscopic Examination	IS 4748:1988
238.		Mercurous Nitrate Test	IS 2305:1988
239.		Copper Strip for Electrical Purposes	Dimension And Tolerances

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
240.	Copper Strip for Electrical Purposes	Edge Wise Bending	IS 1897:2008/IS 3052:1986
241.		Conductivity	IS 1897:2008/IS 3052:1986
242.		Straightness	IS 1897:2008/IS 3052:1986
243.	Solid Drawn Copper Tubes for General Engineering Purposes	Dimension And Tolerances	IS 5493:1981
244.		Flattening and Doubling-Over Test	IS 2501:1995
245.		Drift Expansion	IS 2305:1988
246.		Microscopic Examination	IS 4748:1988
247.	Copper rods and bars for general engineering purposes	Dimension And Tolerances	IS 2826:1980
248.	Copper Wire for General Eng. Purposes	Dimension And Tolerances	IS 9861:1981
249.	Wrought Copper Tubes for Refrigeration and Air-Conditioning Purposes	Dimension And Tolerances	IS 10773:1995/ IS 5493:1981
250.		Flattening and Doubling-Over Test	IS 2501:1995
251.		Drift Expansion	IS 2305:1988
252.		Microscopic Examination	IS 4748:1988
253.		Residue Test	IS 10773:1995

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
254.	Copper Wire Rods for Electrical Applications	Dimension And Tolerances	IS 12444:2020
255.		Volume Resistivity	IS 12444:2020
256.		Surface Test (Optional)	IS 12444:2020
257.	Wrought and Cast Aluminium Utensils	Shape And Dimensions	IS 1660: 2024
258.		Performance Test	IS 1660: 2024
259.		Ground Nut Oil Test for Leakage	IS 1660: 2024
260.		Fragmentation Test	IS 1660: 2024
261.		Ball Drop Test	IS 1660: 2024
262.		Thermal Shock Test	IS 1660: 2024
263.		Free Fall Test	IS 1660: 2024
264.		Glass lid with rim	IS 1660: 2024
265.		Glass lid without rim	IS 1660: 2024
266.		Stainless Steel Sink for Domestic Purpose	Bowl Locating Limits
267.	Construction and Workmanship		IS 13983: 1994
268.	Coordinating Size		IS 13983: 1994
269.	Depth of Bowls		IS 13983: 1994

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
270.	Stainless Steel Sink for Domestic Purpose	Dimensions and Tolerances, Thickness of Sheet/Strip	IS 13983: 1994
271.		Finish	IS 13983: 1994
272.		Internal Dimension of Bowl	IS 13983: 1994
273.		Over-flows	IS 13983: 1994
274.		Tap Holes	IS 13983: 1994
275.	Domestic Gas stove for use with LPG	Materials	IS 4246, Amd- 5, Cl. 12, & 12.1Amd 4: 2002
276.		Burner Pan Supports	IS 4246, Amd- 5, Cl. 12, & 12.1Amd 4: 2002
277.		Surface of Glass or Glass Ceramic (a). General Verification of the Strength of the Gas Stove Surface of Toughened Glass Top Against Thermal Stress (b). Fragmentation Test of the Toughened Glass Stove Top	IS 4246, Cl. 5.1, 15.1, 15.2, Amd 4: 2002
278.		Burners	IS 5116, Cl. 10: 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
279.	Domestic Gas stove for use with LPG	Combustion	IS 4246:2002, Amd 5: 2002
280.		Design For Maintenance	IS 4246, Cl 6 to 6.6: 2002
281.		Fire Hazard & Limiting Temp.	IS 4246, Amd-5 Cl 25:2002
282.		Fire Hazard & Limiting Temp.	IS 5116: 2020
283.		Flame stability	IS 4246, Cl.19 to 19.3:2002
284.		Flash Back	IS 4246, Amd-5, cl 21:2002
285.		Formation of Soot	IS 4246, Amd-5, Cl 22:2002
286.		Gas Consumption	IS 4246 cl 17.1 to 17.2, Amd-5: 2002
287.		Gas Inlet Connection	IS 4246, Cl. 14 to 41.2: 2002 / IS 5116 cl 18.0 to 18.4: 2020
288.		Gas Leak Detector	IS 4246, Cl. 13.2, Amd 4: 2002 / IS 13432(P-1), Amd 1:1992 / IS 13432 (P-2):1998
289.		Gas Soundness	IS 4246, Cl 13: 2002 / IS 5116, Cl. 16: 2020
290.		Gas Tap	IS 4246, Amd- 5, Cl. 9: 2002 / IS 5116, Cl. 8 to 8.12: 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
291.	Domestic Gas stove for use with LPG	General	IS 4246, Amd-5, Cl-4.0,4.1,4.1.1: 2002 / IS 5116 cl 4 :2020
292.		Ignition and Flame Travel	IS 4246, Cl.18,18.4, Amd- 5: 2002
293.		Injector Jets, Across Flats, Projection Threads	IS 4246: 2002 / IS:5116, Cl. 9:2020
294.		Materials (Ageing, Flashback)	IS 4246, Cl. 5, Amd 5: 2002
295.		Materials (Change in Weight & Volume)	IS 5116, Cl 5.0 to 5.7: 2020 / IS:2305, Cl. 3:1988
296.		Noise Control	IS 4246, Amd - 5, Cl-20, 2002
297.		Resistance to Draught	IS 4246, Amd "5, Cl.23: 2002
298.		Rigidity and Stability	IS 4246, Amd "5, Cl-7,7.1 to 7.3: 2002
299.		Strength and Rigidity	IS 4246, Amd "5, Cl.15: 2002
300.		Thermal Efficiency	IS 4246, Amd "5, Cl. 26: 2002
301.		Workmanship and Finish	IS 4246, Amd "5, Cl-8.1 to 8.3: 2002
302.		Workmanship and Finish	IS 5116, Cl-7 to 7.7: 2020
303.		Domestic gas stoves for use with piped natural gas (PNG)	Burners

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
304.	Domestic gas stoves for use with piped natural gas (PNG)	Combustion	IS 17153: 2019
305.		Design for Maintenance	IS 17153: 2019
306.		Fire Hazard and Limiting Temperature	IS 17153: 2019
307.		Flame Stability	IS 17153: 2019
308.		Flash Back	IS 17153: 2019
309.		Formation of Soot	IS 17153: 2019
310.		Gas Consumption	IS 17153: 2019
311.		Gas Inlet Connections	IS 17153: 2019
312.		Gas Taps	IS 17153: 2019
313.		General	IS 17153: 2019
314.		Ignition and Flame Travel	IS 17153: 2019
315.		Injector Jets	IS 17153: 2019
316.		Noise Control	IS 17153: 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
317.	Domestic gas stoves for use with piped natural gas (PNG)	Pan Support	IS 17153: 2019
318.		Resistance to Draught	IS 17153: 2019
319.		Rigidity and Stability	IS 17153: 2019
320.		Strength and Rigidity	IS 17153: 2019
321.		Thermal Efficiency	IS 17153: 2019
322.		Workmanship and Finish	IS 17153: 2019
323.		Gas Taps	IS 17153: 2019
324.	Mini Domestic Water Heater for use with LPG	Combustion	IS 15558: 2024
325.		Connections	IS 15558: 2024
326.		Flame Stability	IS 15558: 2024
327.		Flash Back	IS 15558: 2024
328.		Gas Taps	IS 15558: 2024
329.		General Requirement	IS 15558: 2024
330.		Hot Water Output test	IS 15558: 2024
331.		Ignition and Flame Travel	IS 15558: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
332.	Mini Domestic Water Heater for use with LPG	Ignition Device	IS 15558: 2024
333.		Materials	IS 15558: 2024
334.		Noise Control	IS 15558: 2024
335.		Protection against Accidental Overheating	IS 15558: 2024
336.		Resistance to Draught	IS 15558: 2024
337.		Thermal Efficiency	IS 15558: 2024
338.		Time for Temperature Rise	IS 15558: 2024
339.		Water Rate Adjuster	IS 15558: 2024
340.		Water Soundness	IS 15558: 2024
341.		Specification for Door Handles for Mortice Locks (Vertical Type)	Type
342.	Size		IS 4992: 1975 Clause 2
343.	Manufacture and Construction		IS 4992: 1975 Clause 4
344.	Dimensions and Tolerances		IS 4992: 1975 Clause 5.1
345.	Performance Requirements		IS 4992: 1975 Clause 6

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
346.	Specification for Door Handles for Mortice Locks (Vertical Type)	Workmanship	IS 4992: 1975 Clause 7.1
347.		Marking	IS 4992: 1975 Clause 10.1
348.		Corrosion Resistance	IS:4992, IS:9844
349.	Door Handles	Types	IS 208: 2020 Clause 3
350.		General	IS 208: 2020 Clause 5.1
351.		Dimensions and Tolerances	IS 208: 2020 Clause 6.1 & 6.2
352.		Screw Holes	IS 208: 2020 Clause 6.1 & 6.2
353.		Screw Designation No.	IS 6760: 1972 Clause 6.1 & 6.2
354.		Finish	IS 208: 2020 Clause 7
355.		Pencil Hardness	Test IS 208: 2020 Clause 8.1
356.		Corrosion Test	IS 9844: 1981 Clause 8.2
357.		Anodizing Test	IS 1868: 1996 Clause 8.3
358.		Marking	IS 208: 2020 Clause 10
359.		Steel Tubes For Structural Purposes	Outside Diameter

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
360.	Steel Tubes for Structural Purposes	Thickness	IS 1161 : 2014
361.		Weight	IS 1161 : 2014
362.		Mass of Zinc coating	IS 4736 : 1986
363.		Straightness	IS 1161 : 2014
364.		Length	IS 1161 : 2014
365.		Tensile Strength	IS 1608 (p 1):2022
366.		Yield Strength	IS 1608 (p 1):2022
367.		Elongation	IS 1608 (p 1):2022
368.		Ductility Test	IS 2329 : 2005
369.		Flattening Test	IS 2328 : 2018
370.	Steel tubes for mechanical and general engineering purposes	Straightness	IS 3601 : 2006
371.		Length	IS 3601 : 2006
372.		Tensile Strength	IS 1608 (p 1):2022
373.		Yield Stress	IS 1608 (p 1):2022
374.		Elongation	IS 1608 (p 1):2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
375.	Steel tubes for mechanical and general engineering purposes	Flattening Test	IS 2328 : 2018
376.		Bend Test (Strip)	IS 3601 : 2006
377.		Bend Test, Whole Tube	IS 2329 : 2005
378.		Drift Expansion Test	IS 2335 : 2005
379.		Crushing Test	IS 3601 : 2006
380.	Steel Tubes, Tubulars and Other Wrought Steel Fittings	Outside Diameter	IS 1239 (p 1):2004
381.		Thickness	IS 1239 (p 1):2004
382.		Mass of tube	IS 1239 (p 1):2004
383.		Length	IS 1239 (p 1):2004
384.		Tensile Strength	IS 1608 (p 1):2022
385.		Elongation	IS 1608 (p 1):2022
386.		Bend Test	IS 2329 : 2005
387.		Flattening Test	IS 2328 : 2018
388.		Steel tubes for automotive purposes	Straightness

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
389.	Steel tubes for automotive purposes	Tensile Strength	IS 1608 (p 1):2022
390.		Yield Strength	IS 1608 (p 1):2022
391.		Elongation	IS 1608 (p 1):2022
392.		Flattening Test	IS 2328 : 2018
393.		Crushing Test	IS 3074 : 2013
394.		Drift Test	IS 2335 : 2005
395.	Steel Plates and Strips for Pressure Vessels Used at Moderate and Low Temperature	Dimensions	IS/ISO 7452 : 2002
396.		Tensile Strength	IS 1608 (p 1):2022
397.		Yield Stress	IS 1608 (p 1):2022
398.		Elongation	IS 1608 (p 1):2022
399.		Impact Energy	IS 1757 : 2020
400.	Steel chequered plates	Tensile Strength	IS 1608 (p 1):2022
401.	Steel chequered plates	Yield Stress	IS 1608 (p 1):2022
402.	Steel chequered plates	Elongation	IS 1608 (p 1):2022
403.	Steel chequered plates	Bend Test	IS 1599 : 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
404.	Steel chequered plates	Chequered Height	IS 3502 : 2009
405.	Tower bolts (Ferrous Metals)	Length	IS 204 (p 1) : 1991
406.	Tower bolts (Ferrous Metals)	Width	IS 204 (p 1) : 1991
407.	Tower bolts (Ferrous Metals)	Diameter	IS 204 (p 1) : 1991
408.	Tower bolts (Ferrous Metals)	Thickness	IS 204 (p 1) : 1991
409.	Tower bolts (Ferrous Metals)	Screw	IS 6760 : 1972
410.	Tower bolts (Non-Ferrous Metals)	Length	IS 204 (P-2) : 1991
411.		Width	IS 204 (P-2) : 1991
412.		Diameter	IS 204 (P-2) : 1991
413.		Thickness	IS 204 (P-2) : 1991
414.		Screw	IS 204 (P-2) : 1991
415.		Non - Ferrous metal butt hinges	Length
416.	Width		IS 205 : 1992
417.	Diameter		IS 205 : 1992

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
418.	Non - Ferrous metal butt hinges	Thickness	IS 205 : 1992
419.	Non - Ferrous metal butt hinges	Screw	IS 6760 : 1972
420.	Non - Ferrous metal sliding door bolts (Aldrops) for use with padlocks	Dimensions and Tolerance	IS 2681 : 1993
421.		Dimensions and Tolerance	IS 15834 : 2020
422.	Continuous (Piano) hinges	Length	IS 3818 : 1992
423.	Continuous (Piano) hinges	Diameter	IS 3818 : 1992
424.	Continuous (Piano) hinges	Thickness	IS 3818 : 1992
425.	Continuous (Piano) hinges	Screw	IS 6760 : 1972
426.	Reinforcement Couplers for Mechanical Splices of Bars in Concrete	Tensile strength	IS 1608 (P-1):2022
427.		Elongation	IS 1608 (P-1):2022
428.		Slip Test	IS 16172 Annex C

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Non-Destructive Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials – Reinforced Concrete Structures		
1.	Reinforced Concrete Structure	Rebound Hammer Test	IS 516 (Part-5/Sec-4): 2020
2.	Reinforced Concrete Structure	Ultrasonic Pulse Velocity	IS 516 (Part-5/Sec-1): 2018
3.	Reinforced Concrete Structure	Carbonation Depth Test	IS 516 (Part-5/Sec-3): 2021
4.	Reinforced Concrete Structure	Half-Cell Potential Test	IS 516 (Part-5/Sec-2): 2021
5.	Reinforced Concrete Structure	Dye Penetration Test (DPT)	IS 11732:1995
6.	Reinforced Concrete Structure	Ultrasonic Thickness Gauge (UTG)	IS 15468: 2004
7.	Anchor bars & rock bolts	Pull out Test	IS 11309: 2023



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
1.	Room Heaters	Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-30:2007
2.		Resistance to heat and fire	Cl.30 of IS 302-2-30:2007
3.		Resistance to rusting	Cl.31 of IS 302-2-30:2007
4.		Classification	Cl.6 of IS 302-2-30:2007
5.		Marking and Instruction	Cl.7 of IS 302-2-30:2007
6.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-30:2007
7.		Starting of Motor-Operated Appliances	Cl.9 of IS 302-2-30:2007
8.		Power input and Current	Cl.10 of IS 302-2-30:2007
9.		Heating	Cl.11 of IS 302-2-30:2007
10.		Leakage Current and Electric Strength at operating temperature	Cl.13 of IS 302-2-30:2007
11.		Transient Over Voltage	Cl.14 of IS 302-2-30:2007
12.		Moisture Resistance	Cl.15 of IS 302-2-30:2007
13.		Leakage Current and Electric Strength	Cl.16 of IS 302-2-30:2007

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
14.	Room Heaters	Abnormal Operation	Cl.19 of IS 302-2-30:2007
15.		Stability and Mechanical hazards	Cl.20 of IS 302-2-30:2007
16.		Mechanical Strength	Cl.21 of IS 302-2-30:2007
17.		Construction	Cl.22 of IS 302-2-30:2007
18.		Internal Wiring	Cl.23 of IS 302-2-30:2007
19.		Components	Cl.24 of IS 302-2-30:2007
20.		Supply Connection and External Flexible Cord	Cl.25 of IS 302-2-30:2007
21.		Terminal for External Conductors	Cl.26 of IS 302-2-30:2007
22.		Provision for Earthing	Cl.27 of IS 302-2-30:2007
23.		Screws and Connections	Cl.28 of IS 302-2-30:2007
24.	Appliances for Heating Liquids	Classification	Cl.6 of IS 302-2-15:2009
25.		Marking and Instruction	Cl.7 of IS 302-2-15:2009
26.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-15:2009
27.		Power input and Current	Cl.10 of IS 302-2-15:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
28.	Appliances for Heating Liquids	Heating	Cl.11 of IS 302-2-15:2009
29.		Leakage Current and Electric Strength at operating temperature	Cl.13 of IS 302-2-15:2009
30.		Transient Over Voltage	Cl.14 of IS 302-2-15:2009
31.		Moisture Resistance	Cl.15 of IS 302-2-15:2009
32.		Leakage Current and Electric Strength	Cl.16 of IS 302-2-15:2009
33.		Abnormal Operation	Cl.19 of IS 302-2-15:2009
34.		Stability and Mechanical hazards	Cl.20 of IS 302-2-15:2009
35.		Mechanical Strength	Cl.21 of IS 302-2-15:2009
36.		Construction	Cl.22 of IS 302-2-15:2009
37.		Internal Wiring	Cl.23 of IS 302-2-15:2009
38.		Components	Cl.24 of IS 302-2-15:2009
39.		Supply Connection and External Flexible Cord	Cl.25 of IS 302-2-15:2009
40.		Terminal for External Conductors	Cl.26 of IS 302-2-15:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
41.	Appliances for Heating Liquids	Provision for Earthing	Cl.27 of IS 302-2-15:2009
42.		Screws and Connections	Cl.28 of IS 302-2-15:2009
43.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-15:2009
44.		Resistance to heat and fire	Cl.30 of IS 302-2-15:2009
45.		Resistance to rusting	Cl.31 of IS 302-2-15:2009
46.	Toasters, Grills, Roasters and Similar Appliances	Classification	Cl.6 of IS 302-2-9:2009
47.		Marking and Instruction	Cl.7 of IS 302-2-9:2009
48.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-9:2009
49.		Power input and Current	Cl.10 of IS 302-2-9:2009
50.		Heating	Cl.11 of IS 302-2-9:2009
51.		Leakage Current and Electric Strength at operating temperature	Cl.13 of IS 302-2-9:2009
52.		Transient Over Voltage	Cl.14 of IS 302-2-9:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
53.	Toasters, Grills, Roasters and Similar Appliances	Moisture Resistance	Cl.15 of IS 302-2-9:2009
54.		Leakage Current and Electric Strength	Cl.16 of IS 302-2-9:2009
55.		Abnormal Operation	Cl.19 of IS 302-2-9:2009
56.		Stability and Mechanical hazards	Cl.20 of IS 302-2-9:2009
57.		Mechanical Strength	Cl.21 of IS 302-2-9:2009
58.		Construction	Cl.22 of IS 302-2-9:2009
59.		Internal Wiring	Cl.23 of IS 302-2-9:2009
60.		Components	Cl.24 of IS 302-2-9:2009
61.		Supply Connection and External Flexible Cord	Cl.25 of IS 302-2-9:2009
62.		Terminal for External Conductors	Cl.26 of IS 302-2-9:2009
63.		Provision for Earthing	Cl.27 of IS 302-2-9:2009
64.		Screws and Connections	Cl.28 of IS 302-2-9:2009
65.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-9:2009
66.		Resistance to heat and fire	Cl.30 of IS 302-2-9:2009
67.	Resistance to rusting	Cl.31 of IS 302-2-9:2009	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
68.	Cooking Ranges, Hobs, Ovens and Similar Appliances	Classification	Cl.6 of IS 302-2-6:2009
69.		Marking and Instruction	Cl.7 of IS 302-2-6:2009
70.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-6:2009
71.		Power input and Current	Cl.10 of IS 302-2-6:2009
72.		Heating	Cl.11 of IS 302-2-6:2009
73.		Leakage Current and Electric Strength at operating temperature	Cl.13 of IS 302-2-6:2009
74.		Transient Over Voltage	Cl.14 of IS 302-2-6:2009
75.		Moisture Resistance	Cl.15 of IS 302-2-6:2009
76.		Leakage Current and Electric Strength	Cl.16 of IS 302-2-6:2009
77.		Abnormal Operation	Cl.19 of IS 302-2-6:2009
78.		Stability and Mechanical hazards	Cl.20 of IS 302-2-6:2009
79.		Mechanical Strength	Cl.21 of IS 302-2-6:2009
80.		Construction	Cl.22 of IS 302-2-6:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
81.	Cooking Ranges, Hobs, Ovens and Similar Appliances	Internal Wiring	Cl.23 of IS 302-2-6:2009
82.		Components	Cl.24 of IS 302-2-6:2009
83.		Supply Connection and External Flexible Cord	Cl.25 of IS 302-2-6:2009
84.		Terminal for External Conductors	Cl.26 of IS 302-2-6:2009
85.		Provision for Earthing	Cl.27 of IS 302-2-6:2009
86.		Screws and Connections	Cl.28 of IS 302-2-6:2009
87.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-6:2009
88.		Resistance to heat and fire	Cl.30 of IS 302-2-6:2009
89.		Resistance to rusting	Cl.31 of IS 302-2-6:2009
90.	Electric Food-Mixers (Liquidizers and Grinder) and Centrifugal Juicers	General Conditions for the tests	Cl.5 of IS 4250:2025
91.		Classification	Cl.6 of IS 4250:2025
92.		Marking	Cl.7 of IS 4250:2025
93.		Protection Against Access to Live Parts	Cl.8 of IS 4250:2025, Cl.8 of IS 302-2-14:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
94.	Electric Food-Mixers (Liquidizers and Grinder) and Centrifugal Juicers	Power input and Current	Cl.8 of IS 4250:2025, Cl.10 of IS 302-2-14:2009
95.		Heating	Cl.8 of IS 4250:2025, Cl.11 of IS 302-2-14:2009
96.		Leakage Current and Electric Strength at operating temperature	Cl.8 of IS 4250:2025, Cl.13 of IS 302-2-14:2009
97.		Transient over voltage	Cl.8 of IS 4250:2025, Cl.14 of IS 302-2-14:2009
98.		Moisture Resistance	Cl.8 of IS 4250:2025, Cl.15 of IS 302-2-14:2009; Cl.15 of IS 302-2-14:2009
99.		Leakage current and electric strength	Cl.8 of IS 4250:2025, Cl.16 of IS 302-2-14:2009
100.		Endurance	Cl.8 of IS 4250:2025, Cl.18 of IS 302-2-14:2009
101.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.8 of IS 4250:2025, Cl.19 of IS 302-2-14:2009
102.		Stability and Mechanical hazards	Cl.8 of IS 4250:2025, Cl.20 of IS 302-2-14:2009
103.		Mechanical Strength	Cl.8 of IS 4250:2025, Cl.21 of IS 302-2-14:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
104.	Electric Food-Mixers (Liquidizers and Grinder) and Centrifugal Juicers	Construction	Cl.8 of IS 4250:2025, Cl.22 of IS 302-2-14:2009
105.		Internal Wiring	Cl.8 of IS 4250:2025, Cl.23 of IS 302-2-14:2009
106.		Components (Visual Inspection Only)	Cl.8 of IS 4250:2025, Cl.24 of IS 302-2-14
107.		Supply Connection and External Flexible Cord	Cl.8 of IS 4250:2025, Cl.25 of IS 302-2-14:2009
108.		Terminal for External Conductors	Cl.8 of IS 4250:2025, Cl.26 of IS 302-2-14:2009
109.		Provision for Earthing	Cl.8 of IS 4250:2025, Cl.27 of IS 302-2-14:2009
110.		Screws and Connections	Cl.8 of IS 4250:2025, Cl.28 of IS 302-2-14:2009
111.		Clearances, Creepage distances and solid insulation	Cl.8 of IS 4250:2025, Cl. 29 of IS 302-2-14:2009
112.		Resistance to heat, fire and tracking	Cl.8 of IS 4250:2025, Cl. 30 of IS 302-2-14:2009
113.		Resistance to rusting	Cl.31 of IS 4250:2025, Cl. 29 of IS 302-2-14:2009
114.	Operational Tests	Cl.10 of IS 4250:2025	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
115.	Electric Food-Mixers (Liquidizers and Grinder) and Centrifugal Juicers	Temperature withstand test for Bowl	Cl.11 of IS 4250:2025
116.		Test for Controls	Cl.12 of IS 4250:2025
117.		Strength of Assembly	Cl.13 of IS 4250:2025
118.	Household and similar electrical appliance Safety- Electric Irons (Excluding Steam iron)	Classification	Cl.6 of IS 302-2-3:2024
119.		Marking and Instructions	Cl.7 of IS 302-2-3:2024
120.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-3:2024
121.		Power input and Current	Cl.10 of IS 302-2-3:2024
122.		Heating	Cl.11 of IS 302-2-3:2024
123.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302-2-3:2024
124.		Transient over Voltage	Cl.14 of IS 302-2-3:2024
125.		Mechanical Strength	Cl.21 of IS 302-2-3:2024
126.		Moisture Resistance	Cl.15 of IS 302-2-3:2024
127.		Leakage current and Electric Strength	Cl.16 of IS 302-2-3:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
128.		Abnormal Operation (Excluding 19.11.4 of Is 302-1)	CI.19 of IS 302-2-3:2024
129.		Stability and Mechanical Hazards	CI.20 of IS 302-2-3:2024
130.		Construction	CI.22 of IS 302-2-3:2024
131.		Internal Wiring	CI.23 of IS 302-2-3:2024
132.		Components (Visual inspection only)	CI.24 of IS 302-2-3:2024
133.		Supply Connection and External Flexible Cords	CI.25 of IS 302-2-3:2024
134.	Household and similar electrical appliance Safety-Electric Irons	Terminals for External Conductors	CI.26 of IS 302-2-3:2024
135.		Provision for Earthing	CI.27 of IS 302-2-3:2024
136.		Screw and Connections	CI.28 of IS 302-2-3:2024
137.		Clearances, Creepage distances and solid insulation	CI.29 of IS 302-2-3:2024
138.		Resistance to Heat ,Fire and tracking	CI.30 of IS 302-2-3:2024
139.		Resistance to Rusting	CI.31 of IS 302-2-3:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
140.	Electric Irons	Measurement of Heating –up Time	Cl. 10 of IS 366:1991
141.		Measurement of Soleplate Temperature	Cl. 11 of IS 366:1991
142.		Measurement of Temperature Distribution	Cl. 12 of IS 366:1991
143.		Measurement of Initial Over swing Temperature and Heating-up Excess Temperature	Cl. 13 of IS 366:1991
144.		Measurement of Cyclic Fluctuation of Temperature	Cl. 14 of IS 366:1991
145.		Measurement of Thermostatic Stability	Cl. 16 of IS 366:1991
146.		Finish	Cl. 17 of IS 366:1991
147.	Household and similar electrical appliances-Safety Water Heaters (Only for closed water heater)	Classification	Cl.6 of IS 302-2-21:2024
148.		Marking and Instructions	Cl.7 of IS 302-2-21:2024
149.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-21:2024
150.		Power input and Current	Cl.10 of IS 302-2-21:2024
151.		Heating	Cl.11 of IS 302-2-21:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
152.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302-2-21:2024
153.		Transient over Voltage	Cl.14 of IS 302-2-21:2024
154.		Moisture Resistance	Cl.15 of IS 302-2-21:2024
155.	Household and similar electrical appliances-Safety Water Heaters (Only for closed water heater)	Leakage current and Electric Strength	Cl.16 of IS 302-2-21:2024
156.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302-2-21:2024
157.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-21:2024
158.		Mechanical Strength	Cl.21 of IS 302-2-21:2024
159.		Construction	Cl.22 of IS 302-2-21:2024
160.		Internal Wiring	Cl.23 of IS 302-2-21:2024
161.		Components (Visual inspection only)	Cl.24 of IS 302-2-21:2024
162.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-21:2024
163.		Terminals for External Conductors	Cl.26 of IS 302-2-21:2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
164.		Provision for Earthing	Cl.27 of IS 302-2-21:2024
165.		Screw and Connections	Cl.28 of IS 302-2-21:2024
166.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-21:2024
167.		Resistance to Heat ,Fire and tracking	Cl.30 of IS 302-2-21:2024
168.	Household and similar electrical appliances-Safety Water Heaters (Only for closed water heater)	Resistance to Rusting	Cl.31 of IS 302-2-21:2024
169.	Stationary Storage type Electric Water Heaters	Verification of the rated Capacity	Cl. 14 of IS 2082:2018
170.		Standing loss per 24 hours	Cl. 15 of IS 2082:2018
171.		Hot Water Output	Cl. 16 of IS 2082:2018
172.		Reheating Time	Cl. 17 of IS 2082:2018
173.		Mixing Factor	Cl. 18 of IS 2082:2018
174.		Deviation Form Dial Calibration	Cl. 19 of IS 2082:2018
175.		Cyclic Temperature Variation	Cl. 20 of IS 2082:2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
176.	Electric Instantaneous Water Heater	Classification	Cl.6 of IS 302-2-35:2017
177.		Marking and Instructions	Cl.7 of IS 302-2-35:2017
178.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-35:2017
179.		Power input and Current	Cl.10 of IS 302-2-35:2017
180.		Heating	Cl.11 of IS 302-2-35:2017
181.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302-2-35:2017
182.		Transient over Voltage	Cl.14 of IS 302-2-35:2017
183.		Moisture Resistance	Cl.15 of IS 302-2-35:2017
184.		Leakage Current & Electric Strength at operating Temperature	Cl.16 of IS 302-2-35:2017
185.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302-2-35:2017
186.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-35:2017
187.	Mechanical Strength	Cl.21 of IS 302-2-35:2017	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
188.	Electric Instantaneous Water Heater	Construction	Cl.22 of IS 302-2-35:2017
189.		Internal Wiring	Cl.23 of IS 302-2-35:2017
190.		Components (Visual Inspection Only)	Cl.24 of IS 302-2-35:2017
191.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-35:2017
192.		Terminals for External Conductors	Cl.26 of IS 302-2-35:2017
193.		Provision for Earthing	Cl.27 of IS 302-2-35:2017
194.		Screw and Connections	Cl.28 of IS 302-2-35:2017
195.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-35:2017
196.		Resistance to Heat, Fire and tracking	Cl.30 of IS 302-2-35:2017
197.		Resistance to Rusting	Cl.31 of IS 302-2-35:2017
198.		Finish	Cl.10 of IS 8978:1992
199.		Operation of Flow Switch	Cl.11 of IS 8978:1992
200.		Endurance	Cl.12 of IS 8978:1992

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
201.	Electric Immersion Water Heater	Classification	Cl. 6 of IS 368:2014 & IS 302-2-201:2008
202.		Marking	Cl. 7 of IS 368:2014 & IS 302-2-201:2008
203.		Protection Against Access to Live Parts	Cl. 8 of IS 368:2014 & IS 302-2-201:2008
204.		Power input and Current	Cl. 10 of IS 368:2014 & IS 302-2-201:2008
205.		Heating	Cl. 11 of IS 368:2014 & IS 302-2-201:2008
206.		Operation Under Overload Conditions of Appliances with Heating Elements	Cl. 12 of IS 368:2014
207.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 368:2014 & IS 302-2-201:2008
208.		Transient over Voltage	Cl.14 of IS 368:2014 & IS 302-2-201:2008
209.		Moisture Resistance	Cl. 15 of IS 368:2014 & IS 302-2-201:2008

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
210.	Electric Immersion Water Heater	Leakage Current & Electric Strength	Cl. 16 of IS 368:2014 & IS 302-2-201:2008
211.		Endurance	Cl. 18 of IS 368:2014
212.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl. 19 of IS 368:2014
213.		Stability and Mechanical Hazards	Cl. 20 of IS 368:2014
214.		Mechanical Strength	Cl. 21 of IS 368:2014
215.		Construction	Cl. 22 of IS 368:2014
216.		Internal Wiring	Cl. 23 of IS 368:2014
217.		Components (Visual inspection only)	Cl. 24 of IS 368:2014
218.		Supply Connection and External Flexible Cords	Cl. 25 of IS 368:2014
219.		Terminals for External Conductors	Cl. 26 of IS 368:2014
220.		Provision for Earthing	Cl. 27 of IS 368:2014
221.		Screw and Connections	Cl. 28 of IS 368:2014
222.		Clearances, Creepage distances and solid insulation	Cl. 29 of IS 368:2014

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
223.	Electric Immersion Water Heater	Resistance to Heat ,Fire	Cl. 30 of IS 368:2014
224.		Resistance to Rusting	Cl. 31 of IS 368:2014
225.	Electric Kitchen Machines	Classification	Cl.6 of IS 302-2-14:2009
226.		Marking and Instruction	Cl.7 of IS 302-2-14:2009
227.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-14:2009
228.		Power input and Current	Cl.10 of IS 302-2-14:2009
229.		Heating	Cl.11 of IS 302-2-14:2009
230.		Leakage Current and Electric Strength at operating temperature	Cl.13 of IS 302-2-14:2009
231.		Transient Over Voltage	Cl.14 of IS 302-2-14:2009
232.		Moisture Resistance	Cl.15 of IS 302-2-14:2009
233.		Leakage Current and Electric Strength	Cl.16 of IS 302-2-14:2009
234.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302-2-14:2009
235.	Stability and Mechanical hazards	Cl.20 of IS 302-2-14:2009	

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Electrical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
236.	Electric Kitchen Machines	Mechanical Strength	Cl.21 of IS 302-2-14:2009	
237.		Construction	Cl.22 of IS 302-2-14:2009	
238.		Internal Wiring	Cl.23 of IS 302-2-14:2009	
239.		Components (Visual Inspection Only)	Cl.24 of IS 302-2-14:2009	
240.		Supply Connection and External Flexible Cord	Cl.25 of IS 302-2-14:2009	
241.		Terminal for External Conductors	Cl.26 of IS 302-2-14:2009	
242.		Provision for Earthing	Cl.27 of IS 302-2-14:2009	
243.		Screws and Connections	Cl.28 of IS 302-2-14:2009	
244.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-14:2009	
245.		Resistance to heat and fire	Cl.30 of IS 302-2-14:2009	
246.		Resistance to rusting	Cl.31 of IS 302-2-14:2009	
247.		Safety of household and similar electrical appliances-	Classification	Cl.6 of IS 302-2-202:1992
248.		Electric Stoves	Marking	Cl.7 of IS 302-2-202:1992

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
249.	Safety of household and similar electrical appliances- Electric Stoves	Protection Against Access to Live Parts	Cl.8 of IS 302-2-202:1992
250.		Input and Current	Cl.10 of IS 302-2-202:1992
251.		Temperature Rise	Cl.11 of IS 302-2-202:1992
252.		Operation under overload conditions od Appliances with heating Elements	Cl.12 of IS 302-2-202:1992
253.		Electricals insulation and Leakage Current at operating Temperature	Cl.13 of IS 302-2-202:1992
254.		Moisture Resistance	Cl.15 of IS 302-2-202:1992
255.		Insulation Resistance and Electric Strength (after Humidity treatment)	Cl.16 of IS 302-2-202:1992
256.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302-2-202:1992
257.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-202:1992
258.		Mechanical Strength	Cl.21 of IS 302-2-202:1992
259.		Construction	Cl.22 of IS 302-2-202:1992

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
260.	Safety of household and similar electrical appliances- Electric Stoves	Internal Wiring	Cl.23 of IS 302-2-202:1992
261.		Components (Visual inspection only)	Cl.24 of IS 302-2-202:1992
262.		Supply Connection and External Flexible cables and cords	Cl.25 of IS 302-2-202:1992
263.		Terminals for External Conductors	Cl.26 of IS 302-2-202:1992
264.		Provision for Earthing	Cl.27 of IS 302-2-202:1992
265.		Screw and Connections	Cl.28 of IS 302-2-202:1992
266.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-202:1992
267.		Resistance to Heat, Fire and tracking	Cl.30 of IS 302-2-202:1992
268.		Resistance to Rusting	Cl.31 of IS 302-2-202:1992
269.		Mineral Filled Sheathed Heating Elements	Classification
270.	Marking and Instructions		Cl. 7 of IS 4159:2021
271.	Protection Against Access to Live Parts		Cl. 8 of IS 4159:2021
272.	Power input and Current		Cl. 10 of IS 4159:2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
273.	Mineral Filled Sheathed Heating Elements	Heating	Cl. 11 of IS 4159:2021
274.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 4159:2021
275.		Transient over Voltage	Cl.14 of IS 4159:2021
276.		Moisture Resistance	Cl. 15 of IS 4159:2021
277.		Leakage Current & Electric Strength	Cl. 16 of IS 4159:2021
278.		Endurance	Cl. 18 of IS 4159:2021
279.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl. 19 of IS 4159:2021
280.		Stability and Mechanical Hazards	Cl. 20 of IS 4159:2021
281.		Mechanical Strength	Cl. 21 of IS 4159:2021
282.		Construction	Cl. 22 of IS 4159:2021
283.		Internal Wiring	Cl. 23 of IS 4159:2021
284.		Components (Visual inspection only)	Cl. 24 of IS 4159:2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
285.	Mineral Filled Sheathed Heating Elements	Supply Connection and External Flexible Cords	Cl. 25 of IS 4159:2021
286.		Terminals for External Conductors	Cl. 26 of IS 4159:2021
287.		Provision for Earthing	Cl. 27 of IS 4159:2021
288.		Screw and Connections	Cl. 28 of IS 4159:2021
289.		Clearances, Creepage distances and solid insulation	Cl. 29 of IS 4159:2021
290.		Resistance to Heat, Fire and tracking	Cl. 30 of IS 4159:2021
291.		Resistance to Rusting	Cl. 31 of IS 4159:2021
292.	Safety of household and similar electrical appliances- Range Hoods	Classification	Cl.6 of IS 302-2-31:2009
293.		Marking and Instructions	Cl.7 of IS 302-2-31:2009
294.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-31:2009
295.		Power input and Current	Cl.10 of IS 302-2-31:2009
296.		Heating	Cl.11 of IS 302-2-31:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
297.	Safety of household and similar electrical appliances- Range Hoods	Leakage current and Electric Strength at operating Temperature	Cl.6 of IS 302-2-31:2009
298.		Transient over Voltage	Cl.14 of IS 302-2-31:2009
299.		Moisture Resistance	Cl.15 of IS 302-2-31:2009
300.		Leakage Current & Electric Strength	Cl.16 of IS 302-2-31:2009
301.		Abnormal operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302-2-31:2009
302.		Stability and mechanical hazards	Cl.20 of IS 302-2-31:2009
303.		Mechanical Strength	Cl.21 of IS 302-2-31:2009
304.		Construction	Cl.22 of IS 302-2-31:2009
305.		Internal Wiring	Cl.23 of IS 302-2-31:2009
306.		Components (Visual inspection only)	Cl.24 of IS 302-2-31:2009
307.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-31:2009
308.		Terminals for External Conductors	Cl.26 of IS 302-2-31:2009

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
309.	Safety of household and similar electrical appliances- Range Hoods	Provision for Earthing	Cl.27 of IS 302-2-31:2009
310.		Screw and Connections	Cl.28 of IS 302-2-31:2009
311.		Creepage distance and clearances	Cl.29 of IS 302-2-31:2009
312.		Resistance to heat and fire	Cl.30 of IS 302-2-31:2009
313.		Resistance to rusting	Cl.31 of IS 302-2-31:2009
314.		Safety of household and similar electrical appliances- Electric Coffee Makers	Classification
315.	Marking		Cl.7 of IS 302-2-206:1994
316.	Protection Against electric shock		Cl.8 of IS 302-2-206:1994
317.	Input		Cl.10 of IS 302-2-206:1994
318.	Temperature Rise		Cl.11 of IS 302-2-206:1994
319.	Operation under overload conditions of Appliances with Heating Elements		Cl.12 of IS 302-2-206:1994
320.	Electricals insulation and Leakage Current at operating Temperature		Cl.13 of IS 302-2-206:1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
321.	Safety of household and similar electrical appliances- Electric Coffee Makers	Radio and television interference suppression	CI.14 of IS 302-2-206:1994
322.		Moisture Resistance	CI.15 of IS 302-2-206:1994
323.		Insulation Resistance and Electric Strength (After humidity treatment)	CI.16 of IS 302-2-206:1994
324.		Endurance	CI.18 of IS 302-2-206:1994
325.		Abnormal operation (Excluding 19.11.4 of IS 302-1)	CI.19 of IS 302-2-206:1994
326.		Stability and mechanical hazards	CI.20 of IS 302-2-206:1994
327.		Mechanical Strength	CI.21 of IS 302-2-206:1994
328.		Construction	CI.22 of IS 302-2-206:1994
329.		Internal Wiring	CI.23 of IS 302-2-206:1994
330.		Components (Visual inspection only)	CI.24 of IS 302-2-206:1994
331.		Supply Connection and External Flexible cables and Cords	CI.25 of IS 302-2-206:1994
332.		Terminals for External Conductors	CI.26 of IS 302-2-206:1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
333.	Safety of household and similar electrical appliances- Electric Coffee Makers	Provision for Earthing	Cl.27 of IS 302-2-206:1994
334.		Screw and Connections	Cl.28 of IS 302-2-206:1994
335.		Creepage distance and clearances	Cl.29 of IS 302-2-206:1994
336.		Resistance to heat and fire	Cl.30 of IS 302-2-206:1994
337.		Resistance to rusting	Cl.31 of IS 302-2-206:1994
338.	Safety of household and similar electrical appliances- Massage Appliances	Rating	Cl.5 of IS 302-2-32:1994
339.		Classification	Cl.6 of IS 302-2-32:1994
340.		Marking	Cl.7 of IS 302-2-32:1994
341.		Protection against electric shock	Cl.8 of IS 302-2-32:1994
342.		Input and Current	Cl.10 of IS 302-2-32:1994
343.		Temperature Rise	Cl.11 of IS 302-2-32:1994
344.		Operation under overload conditions of Appliances with Heating Elements	Cl.12 of IS 302-2-32:1994
345.		Electricals Insulation and Leakage Current at operating temperature	Cl.13 of IS 302-2-32:1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
346.	Safety of household and similar electrical appliances- Massage Appliances	Moisture Resistance	Cl.15 of IS 302-2-32:1994
347.		Insulation Resistance and Electric Strength (after humidity treatment)	Cl.16 of IS 302-2-32:1994
348.		Overload protection	Cl.17 of IS 302-2-32:1994
349.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302-2-32:1994
350.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-32:1994
351.		Mechanical Strength	Cl.21 of IS 302-2-32:1994
352.		Construction	Cl.22 of IS 302-2-32:1994
353.		Internal wiring	Cl.23 of IS 302-2-32:1994
354.		Components (Visual inspection only)	Cl.24 of IS 302-2-32:1994
355.		Supply Connection and External Flexible cables and Cords	Cl.25 of IS 302-2-32:1994
356.		Terminals For External Conductor	Cl.26 of IS 302-2-32:1994
357.		Provision For Earthing	Cl.27 of IS 302-2-32:1994

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
358.	Safety of household and similar electrical appliances- Massage Appliances	Screws And Connection	Cl.28 of IS 302-2-32:1994
359.		Creepage distances and Clearances	Cl.29 of IS 302-2-32:1994
360.		Resistance to Heat, Fire and tracking	Cl.30 of IS 302-2-32:1994
361.		Resistance to Rusting	Cl.31 of IS 302-2-32:1994
362.	Household and Similar Electrical Appliances - Safety- Insect Killers	General Conditions for the tests	Cl.5 of IS 302-2-59:2024
363.		Classification	Cl.6 of IS 302-2-59:2024
364.		Marking and instructions	Cl.7 of IS 302-2-59:2024
365.		Protection Against Access to Live Parts	Cl.8 of IS 302-2-59:2024
366.		Power input and Current	Cl.10 of IS 302-2-59:2024
367.		Heating	Cl.11 of IS 302-2-59:2024
368.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302-2-59:2024
369.		Transient over Voltage	Cl.14 of IS 302-2-59:2024
370.		Moisture Resistance	Cl.15 of IS 302-2-59:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
371.	Household and Similar Electrical Appliances - Safety-Insect Killers	Leakage current and electric strength	Cl.16 of IS 302-2-59:2024
372.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302-2-59:2024
373.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-59:2024
374.		Mechanical Strength	Cl.21 of IS 302-2-59:2024
375.		Construction	Cl.22 of IS 302-2-59:2024
376.		Internal wiring	Cl.23 of IS 302-2-59:2024
377.		Components (Visual inspection only)	Cl.24 of IS 302-2-59:2024
378.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-59:2024
379.		Terminals for external conductors	Cl.26 of IS 302-2-59:2024
380.		Provision For Earthing	Cl.27 of IS 302-2-59:2024
381.		Screws And Connection	Cl.28 of IS 302-2-59:2024
382.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-59:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
383.	Household and Similar Electrical Appliances - Safety-	Resistance to Heat, Fire and tracking	Cl.30 of IS 302-2-59:2024
384.	Insect Killers	Resistance to Rusting	Cl.31 of IS 302-2-59:2024
385.	Household and Similar Electrical Appliances - Safety-Electric Irons	Classification and Rating	Cl.6 of IS 302 : Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
386.		Marking and Instructions	Cl.7 of IS 302 : Part 2 : Sec3 : 2024 (IEC 60335-2-3 : 2022)
387.		Protection Against Access to Live Parts	Cl.8 of IS 302: Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
388.		Power input and Current	Cl.10 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
389.		Heating	Cl.11 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
390.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
391.		Transient over Voltage	Cl.14 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
392.		Moisture Resistance	Cl.15 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)

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	Domestic Electrical Appliances		
393.	Household and Similar Electrical Appliances - Safety-Electric Irons	Leakage current and Electric Strength	Cl.16 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
394.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
395.		Stability and Mechanical Hazards	Cl.20 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
396.		Mechanical Strength	Cl.21 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
397.		Construction	Cl.22 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
398.		Internal Wiring	Cl.23 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
399.		Components (Visual inspection only)	Cl.24 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
400.		Supply Connection and External Flexible Cords	Cl.25 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)
401.		Terminals for External Conductors	Cl.26 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)

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Electrical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
402.	Household and Similar Electrical Appliances - Safety-Electric Irons	Provision for Earthing	Cl.27 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)	
403.		Screw and Connections	Cl.28 of IS 302:Part 2: Sec 3: 2024 (IEC 60335-2-3 : 2022)	
404.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302:Part 2 : Sec 3: 2024 (IEC 60335-2-3 : 2022)	
405.		Resistance to Heat and Fire	Cl.30 of IS 302:Part 2: Sec 3: 2024 (IEC 60335-2-3 : 2022)	
406.		Resistance to Rusting	Cl.31 of IS 302:Part 2: Sec 3: 2024 (IEC 60335-2-3 : 2022)	
407.		Household and Similar Electrical Appliances - Safety-Storage Water Heaters	Classification	Cl.6 of IS 302-2-21:2024 & IEC 60335-2-21:2022
408.			Marking and Instructions	Cl.7 of IS 302-2-21:2024 & IEC 60335-2-21:2022
409.			Protection Against Access to Live Parts	Cl.8 of IS 302-2-21:2024 & IEC 60335-2-21:2022
410.			Power input and Current	Cl.10 of IS 302-2-21:2024 & IEC 60335-2-21:2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
411.	Household and Similar Electrical Appliances - Safety-Storage Water Heaters	Heating	Cl.11 of IS 302-2-21:2024 & IEC 60335-2-21:2022
412.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302-2-21:2024 & IEC 60335-2-21:2022
413.		Transient over Voltage	Cl.14 of IS 302-2-21:2024 & IEC 60335-2-21:2022
414.		Moisture Resistance	Cl.15 of IS 302-2-21:2024 & IEC 60335-2-21:2022
415.		Leakage current and Electric Strength	Cl.16 of IS 302-2-21:2024 & IEC 60335-2-21:2022
416.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302-2-21:2024 & IEC 60335-2-21:2022
417.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-21:2024 & IEC 60335-2-21:2022
418.		Mechanical Strength	Cl.21 of IS 302-2-21:2024 & IEC 60335-2-21:2022
419.		Construction	Cl.22 of IS 302-2-21:2024 & IEC 60335-2-21:2022
420.		Internal Wiring	Cl.23 of IS 302-2-21:2024 & IEC 60335-2-21:2022

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
421.	Household and Similar Electrical Appliances - Safety-Storage Water Heaters	Components (Visual inspection only)	Cl.24 of IS 302-2-21:2024 & IEC 60335-2-21:2022
422.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-21:2024 & IEC 60335-2-21:2022
423.		Terminals for External Conductors	Cl.26 of IS 302-2-21:2024 & IEC 60335-2-21:2022
424.		Provision for Earthing	Cl.27 of IS 302-2-21:2024 & IEC 60335-2-21:2022
425.		Screw and Connections	Cl.28 of IS 302-2-21:2024 & IEC 60335-2-21:2022
426.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-21:2024 & IEC 60335-2-21:2022
427.		Resistance to Heat and Fire	Cl.30 of IS 302-2-21:2024 & IEC 60335-2-21:2022
428.		Resistance to Rusting	Cl.31 of IS 302-2-21:2024 & IEC 60335-2-21:2022
429.		Household and Similar Electrical Appliances - Safety - Part 1 General Requirements	Classification
430.	Marking and Instructions		Cl.7 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
431.	Household and Similar Electrical Appliances - Safety - Part 1 General Requirements	Protection Against Access to Live Parts	Cl.8 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
432.		Power input and Current	Cl.10 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
433.		Heating	Cl.11 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
434.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
435.		Transient over Voltage	Cl.14 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
436.		Moisture Resistance	Cl.15 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
437.		Leakage current and Electric Strength	Cl.16 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
438.		Abnormal Operation (Excluding 19.11.4)	Cl.19 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
439.		Stability and Mechanical Hazards	Cl.20 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
440.	Household and Similar Electrical Appliances - Safety - Part 1 General Requirements	Mechanical Strength	Cl.21 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
441.		Construction	Cl.22 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
442.		Internal Wiring	Cl.23 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
443.		Components (Visual inspection only)	Cl.24 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
444.		Supply Connection and External Flexible Cords	Cl.25 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
445.		Terminals for External Conductors	Cl.26 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
446.		Provision for Earthing	Cl.27 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
447.		Screw and Connections	Cl.28 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
448.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
449.		Resistance to heat and fire	Cl.30 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
450.	Household and Similar Electrical Appliances - Safety - Part 1 General Requirements	Resistance to Rusting	Cl.31 of IS 302 : Part 1 : 2024 (IEC 60335-1 : 2020)
451.	Household and Similar Electrical Appliances - Safety- Shavers, Hair Clipper and Similar Appliances	Classification	Cl.6 of IS 302 : Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
452.		Marking and Instruction	Cl.7 of IS 302 : Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
453.		Protection Against Access to Live Parts	Cl.8 of IS 302 : Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
454.		Power input and Current	Cl.10 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
455.		Heating	Cl.11 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
456.		Leakage Current and Electric Strength at operating temperature	Cl.13 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
457.		Transient Over Voltage	Cl.14 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
458.		Moisture Resistance	Cl.15 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
459.	Household and Similar Electrical Appliances - Safety-Shavers, Hair Clipper and Similar Appliances	Leakage Current and Electric Strength	Cl.16 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
460.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
461.		Stability and Mechanical hazards	Cl.20 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
462.		Mechanical Strength	Cl.21 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
463.		Construction	Cl.22 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
464.		Internal Wiring	Cl.23 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
465.		Components (Visual inspection only)	Cl.24 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
466.		Supply Connection and External Flexible Cord	Cl.25 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
467.		Terminal for External Conductors	Cl.26 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
468.		Provision for Earthing	Cl.27 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
469.	Household and Similar Electrical Appliances - Safety-Shavers, Hair Clipper and Similar Appliances	Screws and Connections	Cl.28 of IS 302:Part 2: Sec 8: 2024 (IEC 60335-2-8 : 2022)
470.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302:Part 2:Sec 8: 2024 (IEC 60335-2-8 : 2022)
471.		Resistance to heat and fire	Cl.30 of IS 302:Part 2:Sec 8: 2024 (IEC 60335-2-8 : 2022)
472.		Resistance to rusting	Cl.31 of IS 302:Part 2:Sec 8: 2024 (IEC 60335-2-8: 2022)
473.	Household and Similar Electrical Appliances - Safety - Particular requirements for Fans	General Conditions for the tests	Cl.5 of IS 302-2-80: 2017
474.		Classification	Cl.6 of IS 302-2-80: 2017
475.		Marking and Instruction	Cl.7 of IS 302-2-80: 2017
476.		Protection against access to live parts	Cl.8 of IS 302-2-80: 2017
477.		Power Input & Current	Cl.10 of IS 302-2-80: 2017
478.		Heating	Cl.11 of IS 302-2-80: 2017
479.		Leakage current and electric strength at operating temperature	Cl.13 of IS 302-2-80: 2017
480.		Transient over voltage	Cl.14 of IS 302-2-80: 2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
481.	Household and Similar Electrical Appliances - Safety - Particular requirements for Fans	Moisture Resistance	Cl.15 of IS 302-2-80: 2017
482.		Leakage current and electric strength	Cl.16 of IS 302-2-80: 2017
483.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302-2-80: 2017
484.		Stability and Mechanical Hazards	Cl.20 of IS 302-2-80: 2017
485.		Mechanical Strength	Cl.21 of IS 302-2-80: 2017
486.		Construction	Cl.22 of IS 302-2-80: 2017
487.		Internal Wiring	Cl.23 of IS 302-2-80: 2017
488.		Components (Visual inspection only)	Cl.24 of IS 302-2-80: 2017
489.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-80: 2017
490.		Terminals For External Conductor	Cl.26 of IS 302-2-80: 2017
491.		Provision For Earthing	Cl.27 of IS 302-2-80: 2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
492.	Household and Similar Electrical Appliances - Safety - Particular requirements for Fans	Screws And Connection	Cl.28 of IS 302-2-80: 2017
493.		Clearances, Creepage distances and solid insulation	Cl.29 of IS 302-2-80: 2017
494.		Resistance to Heat and Fire	Cl.30 of IS 302-2-80: 2017
495.		Resistance to Rusting	Cl.31 of IS 302-2-80: 2017
496.	Safety of household and similar electrical appliances- Clocks	Power input and Current	Cl.10 of IS 302-2-26: 2014
497.		Heating	Cl.11 of IS 302-2-26: 2014
498.		Leakage current and Electric Strength at operating Temperature	Cl.13 of IS 302-2-26: 2014
499.		Transient over Voltage	Cl.14 of IS 302-2-26: 2014
500.		Moisture Resistance	Cl.15 of IS 302-2-26: 2014
501.		Leakage Current & Electric Strength	Cl.16 of IS 302-2-26: 2014
502.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl.19 of IS 302-2-26: : 2014
503.		Stability and mechanical hazards	Cl.20 of IS 302-2-26: : 2014

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Electrical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Domestic Electrical Appliances			
504.	Safety of household and similar electrical appliances- Clocks	Mechanical Strength	Cl.21 of IS 302-2-26: 2014	
505.		Construction	Cl.22 of IS 302-2-26: 2014	
506.		Internal Wiring	Cl.23 of IS 302-2-26: 2014	
507.		Components (Visual inspection only)	Cl.24 of IS 302-2-26: 2014	
508.		Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-26: 2014	
509.		Terminals for External Conductors	Cl.26 of IS 302-2-26: 2014	
510.		Provision for Earthing	Cl.27 of IS 302-2-26: 2014	
511.		Screw and Connections	Cl.28 of IS 302-2-26: 2014	
512.		Creepage distance and clearances	Cl.29 of IS 302-2-26: 2014	
513.		Resistance to heat and fire	Cl.30 of IS 302-2-26: 2014	
514.		Resistance to Rusting	Cl.31 of IS 302-2-26: 2014	
515.		Domestic Electric Clothes	Classification	Cl. 6 of IS 302-2-7: 2024
516.		Washing Machines	Marking and Instructions	Cl. 7 of IS 302-2-7: 2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
517.	Domestic Electric Clothes Washing Machines	Protection Against Access to Live Parts	Cl. 8 of IS 302-2-7: 2024
518.		Power Input and Current	Cl. 10 of IS 302-2-7: 2024
519.		Heating	Cl. 11 of IS 302-2-7: 2024
520.		Leakage Current and Electric Strength at Operating Temperature	Cl. 13 of IS 302-2-7: 2024
521.		Transient Over Voltages	Cl. 14 of IS 302-2-7: 2024
522.		Moisture Resistance	Cl. 15 of IS 302-2-7: 2024
523.		Leakage Current and Electric Strength	Cl. 16 of IS 302-2-7: 2024
524.		Endurance	Cl. 18 of IS 302-2-7: 2024
525.		Abnormal Operation (Excluding 19.11.4 of IS 302-1)	Cl. 19 of IS 302-2-7: 2024
526.		Stability and Mechanical Hazards	Cl. 20 of IS 302-2-7: 2024
527.		Mechanical Strength	Cl. 21 of IS 302-2-7: 2024
528.		Construction	Cl. 22 of IS 302-2-7: 2024
529.		Internal Wiring	Cl. 23 of IS 302-2-7: 2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
530.	Domestic Electric Clothes Washing Machines	Components (Visual inspection only)	Cl. 24 of IS 302-2-7: 2024
531.		Supply Connection and External Flexible Cords	Cl. 25 of IS 302-2-7: 2024
532.		Terminals for External Conductors	Cl. 26 of IS 302-2-7: 2024
533.		Provision for Earthing	Cl. 27 of IS 302-2-7: 2024
534.		Screws and Connections	Cl. 28 of IS 302-2-7: 2024
535.		Clearances, Creepage Distances and Solid Insulation	Cl. 29 of IS 302-2-7: 2024
536.		Resistance to Heat and Fire	Cl. 30 of IS 302-2-7: 2024
537.		Resistance to Rusting	Cl. 31 of IS 302-2-7: 2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
1.	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 (IS: 1293 : 2019)	Checking of Dimensions	Cl.9.0 of IS 1293: 2019
2.		Classification	Cl.7.0 of IS 1293: 2019
3.		Creepage distance & clearance	Cl.27 of IS 1293: 2019
4.		Electric Strength	Cl.17.2 of IS 1293: 2019
5.		Insulation Resistance	Cl.17.1 of IS 1293: 2019
6.		Marking	Cl.8.0 of IS 1293: 2019
7.		Protection Against Electric shock	Cl.10.0 of IS 1293: 2019
8.		Ratings	Cl.6.0 of IS 1293: 2019
9.		Resistance to rusting	Cl.29.0 of IS:1293: 2019
10.		Resistance of insulating material to abnormal heat to fire	Cl.28.1 of IS:1293 : 2019
11.		Resistance to ageing	Cl.16.1 of IS:1293 :2019
12.		Resistance to Heat	Cl.25.0 of IS:1293: 2019
13.		Resistance to Humidity	Cl.16.3 of IS:1293: 2019
14.		Screw current carrying parts and connection	Cl.26.0 of IS:1293 :2019
15.		Temperature rise test	Cl.19.0 of IS:1293: 2019

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Electrical Testing

Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
16.	Switches for Domestic and Similar Purposes (IS: 3854 : 2023)	Checking of Dimension	Cl.9.0 of IS:3854: 2023
17.		Marking	Cl.8.0 of IS 3854:2023
18.		Resistance to Humidity	Cl.15.3 of IS 3854: 2023
19.		Protection against Electric Shock	Cl.10.0 of IS:3854: 2023
20.		Resistance of insulating material to abnormal heat to fire	Cl.24.1 of IS:3854: 2023
21.		Resistance to ageing	Cl.15.1 of IS:3854: 2023
22.		Resistance to Heat	Cl.21.0 of IS:3854: 2023
23.		Resistance to rusting	Cl.25.0 of IS:3854: 2023
24.		Screw current carrying parts and connection	Cl.22.0 of IS:3854: 2023
25.		Temperature rise	Cl.17.0 of IS:3854: 2023
26.		Creepage distance and clearance	Cl.23.0 of IS:3854: 2023
27.		Insulation resistance and electric strength Test	Cl.16.0 of IS:3854: 2023
28.		Classification	Cl.7.0 of IS:3854: 2023
29.		Ratings	Cl.6.0 of IS:3854: 2023
30.		Classification	Cl. 4.0 of IS:15652: 2006

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Electrical Testing

Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
31.	Insulating Mats for Electrical Purposes (IS: 15652 : 2006)	Elongation at Break	Cl.8.1 of IS:15652: 2006
32.		Ageing Properties	Cl.8.3 of IS:15652: 2006
33.		Color	Cl.6.4 of IS:15652: 2006
34.		Dimensions -Length & Width	Cl.6.2 of IS:15652: 2006
35.		Acid/Alkalis and Oil Resistance	Cl.8.5 of IS:15652: 2006
36.		Flame Retardance	Cl.8.4.1 of IS:15652: 2006
37.		Marking	Cl.9 of IS:15652: 2006
38.		Shape	Cl.6.1 of IS:15652: 2006
39.		Tensile Strength	Cl.8.1 of IS:15652: 2006
40.		Thickness	Cl.6.3 of IS:15652: 2006
41.		Workmanship and Finish	Cl.7 of IS:15652: 2006

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Electrical Testing

Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
1.	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
2.		Ageing in air oven- Elongation	IS 694 (Table-1, (iii)(c&d) (d)(3) (Cl. 5.4,8.4):2010, IS 5831(Table-1,2)1984 IS 10810 (Part-11): 1984
3.		Ageing in air oven- Tensile Strength	IS 694 (Table-1, iii)(c&d) (d)(3) (Cl. 5.4,8.4):2010, IS 5831 (Table-1,2) 1984, IS 10810 (Part-11): 1984
4.		Loss of Mass	IS 694 Table-1,iii (c&d) (2),:2010 ,IS 10810 (Part 10): 1984, IS 5831 (Table - 1,2) 1984
5.		Annealing test for Copper Conductor	IS 694 (Table-1, (iii)(a)(1) (Cl. 4.2):2010, IS 8130 (Cl. 7.1.2.1,7.2.3) 2013, IS 10810 (Part-1): 1984
6.		Cold Bend Test	IS 694 (Table-1, (iii) (c&d) (8,12) (Cl.5.4,8.4):2010, IS 5831 (Table-1&2)1984, IS 10810, (Part-20): 1984
7.		Cold Impact Test	IS 694 (Table-1,(iii)(c&d) (9&13) (Cl. 5.4,8.4):2010, IS 5831 (Table-1,2)1984, IS 10810 (Part-21): 1984
8.		Conductor resistance	IS 694 (Table-1, (iii)(a)(4) (Cl.4.2):2010, IS 8130 (Cl. 7.3)2013, IS 10810 (Part-5): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
9.		Elongation at break of insulation / sheath	IS 694 (Table-1, (iii)(c&d) (1) (Cl. 5.4,8.4):2010, IS 5831 (Table-1,2) 1984, IS 10810 (Part-7): 1984
10.		Flammability test	IS 694 (Table-1, (iii)(C)(10) (Cl.10.4):2010, IS 10810 (Part-53: 1984
11.		Halogen Acid Gas Evaluation	IS 694 (Table-1, (iii)(c&d) (13,10) (Cl. 10.6):2010, IS 10810 (Part-59): 1988
12.		Heat shock test	IS 694 (Table-1, (iii)(C&d) (5) (Cl. 5.4, 8.4):2010, IS 5831 (Table 1,2)1984, IS 10810 (Part-14): 1984
13.	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, (iii)(e)(1) (Cl. 10.1):2010, IS:10810 (Part-45): 1984
14.		High voltage Test (AC) Room Temperature	IS 694 (Table-1, (iii)(e) (4)(Cl. 10.2):2010, IS:10810 (Part-45): 1984
15.		High voltage Test (DC) Water immersion	IS 694 (Table-1, (iii) (e)(1)(Cl. 10.1):2010, IS:10810 (Part-45): 1984
16.		Hot deformation test	IS 694 (Table-1, (iii)(c&d) (6) (Cl. 5.4,8.4):2010, IS 5831 (Table-1,2)1984, IS 10810 (Part 15): 1984
17.		Insulation resistance	IS 694 (Table-1, (iii)(e)(2) (Cl.5.4, 8.4):2010, IS 5831 (Table-1): 1984, IS 10810 (Part-43): 1984
18.		Overall dimensions and Thickness of Insulation/ Sheath	IS 694 (Table-1, (iii)(b) (Cl. 5.3,8.3,9,16.1.2,16.1.3,

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
			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): 984
19.	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, iii)(c&d) (11,8)(Cl. 10.5):2010, IS 10810 (Part-58): 1998
20.		Oxygen Index Test	IS 694 (Table-1, (iii)(c&d), (11,8) (Cl.10.5):2010 ASTM D 2863-09: 1995
21.		Per sulphate test (For tinned Copper Conductor)	IS 694 (Table-1, (iii)(a)(5) (Cl.10.11):2010, IS 8130 (Cl.7.1.1) 2013, IS 10810 (Part-4): 1984
22.		Shrinkage test	IS 694 (Table-1, iii)(c&d)(4) (Cl.5.4,8.4):2010, IS 5831 (Table-1,2) 1984 ,IS 10810 (Part-12): 1984
23.		Smoke Density	IS 694 (Table 1, (iii)(c&d) (14,11) (Cl.10.8):2010, IS 13360 (Part 6/sec 9): 2025
24.		Smoke Density	IS 694 (Table-1, (iii)(c&d) (14,11) (Cl.10.8):2010 ASTM D 2843: 1999
25.		Temperature Index Test	IS 694 (Table-1, (iii)(c&d) (12,9) (Cl. 10.7):2010, IS 10810 (Part -64): 2003
26.		Temperature Index Test	IS 694 (Table-1, (iii)(c&d) (12,9) (Cl.10.7):2010 ASTM D 2863- 09: 1995

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
27.		Tensile strength for Aluminium Conductor	IS 694 (Table-1, (iii)(c&d) (a)(2) (Cl.4.2):2010, IS 8130 (Cl. 7.2): 2013, IS 10810(Part-5): 1984
28.		Tensile strength of insulation / sheath	IS 694 (Table-1, (iii)(c&d) (1) (Cl. 5.4,8.4):2010, IS 5831 (Table-1,2): 1984 IS 10810 (Part-7): 1984
29.	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables /Cords with Rigid and Flexible Conductor for Rated Voltages Up to And Including 1100 V	Thermal Stability	IS 694 (Table-1, (iii)(c&d) (7) (Cl. 5.4,8.4):2010, IS 5831 (Table-1,2) 1984 IS 10810 (Part-60): 1988
30.		Volume Resistivity	IS 694 (Table-1, (iii)(e)(3) (Cl.5.4,8.4):2010, IS 5831 (Table-1): 1984 IS 10810 (Part-43): 1984
31.		Wrapping test for Aluminium Conductor	IS 694 (Table-1, (iii) (a)(3) (Cl.4.2) 2010, IS 8130 (Cl. 7.2.2) 2013, IS 10810 (Part-3): 1984
32.		Ageing in air oven- Elongation at Break	IS 7098 (Part-1) (Cl. 15.1(d) (e)(ii) & Cl.4.1, (table-1,2): 2025, IS 10810 (Part-11): 1984
33.	Cross linked polyethylene insulated PVC sheathed cables working voltages up to and including 1100 volts	Ageing in air oven- Tensile Strength	IS 7098 (Part-1) (Cl. 15.1(d) (e)(ii) & Cl.4.1, (table-1,2): 2025, IS 10810 (Part-11): 1984
34.		Annealing test for Copper Conductor	IS 7098 (Part-1) (Cl. 15.1(a)(i): 2025, IS 8130 (Cl. 7.1.2.1, 7.2.3)2013, IS 10810 (Part-1): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
35.	Cross linked polyethylene insulated PVC sheathed cables working voltages up to and including 1100 volts	Resistivity test of Armour	IS 7098 (Part-1) (Cl.15.1(b) & Cl.13.6(g): 2025, IS 3975 (Cl. 8.4)1999, IS 10810 (Part- 42): 1984
36.		Cold Bend Test	IS 7098 (Part-1) (Cl.15.4(a): 2025, IS 5831 (Cl. 4.1, (Table-2) 1984, IS 10810 (Part-20): 1984
37.		Cold Impact Test	IS 7098 (Part-1) (Cl. 15.4(b): 2025 of IS 5831(Cl. 4.1, (Table-2):1984 IS 10810 (Part-21): 1984
38.		Conductor resistance	IS 7098 (Part-1) (Cl. 15.1(a)(iv): 2025, IS 8130 (Cl.7.3(Table-1,2): 2013 IS 10810 (Part-5): 1984
39.		Dimension for armouring material	IS 7098 (Part-1) (Cl.15.1(b) Cl.13.3(a), : 2025 (b) IS 3975 (Cl.7) 1999, IS 10810 (Part-36): 1984
40.		Elongation at break of armouring material	IS 7098 (Part-1) (Cl. 15.1(b) Cl.13.6(b) 2025, IS 10810 (Part-37):1984
41.		Elongation at break of insulation & sheath	IS 7098 (Part-1) (Cl. 15.1(d) (e)(i Cl.4.1 (table-1,2):2025, IS 10810 (Part-7): 1984
42.		Flame retardance test on bunched cables	IS 7098 (Part-1) (Cl. 15.1.1 (C1)(C2)(C) Cl.16.11):2025IS 10810 (Part -62): 1993
43.		Flame Retardance Test on Single Cable	IS 7098 (Part-1) (Cl. 15.1.1 (C1,C2)(b), Cl.16.10): 2025 IS 10810 (Part-61): 1988

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
44.		Flammability test	IS 7098 (Part-1) (Cl. 15.1(h) Cl.16.3):2025, IS 10810 (Part-53): 1984
45.	Cross linked polyethylene insulated PVC sheathed cables working voltages up to and including 1100 volts	Halogen Acid Gas Evaluation	IS 7098 (Part-1) (Cl. 15.1.1 (C2)(f) & Cl.16.13, 16.8):2025,IS 10810 (Part-59) 1988
46.		Heat shock test	IS 7098 (Part-1) (Cl. 15.1(e) (-vi) 2025, IS 5831(Cl.4.1) (Table-2) 1984, IS 10810 (Part-14): 1984
47.		High voltage Test	IS 7098 (Part-1) (Cl. 15.1(g) & Cl. 16.2) 2025, IS 10810 (Part-45): 1984
48.		Hot deformation test	IS 7098 (Part-1) (Cl. 15.1(e) (v)2025, IS 5831 (Cl. 4.1) (Table 2) 1984, IS 10810 (Part-15): 1984
49.		Insulation resistance (Volume Resistivity)	IS 7098 (Part-1) (Cl. 15.1(f) Cl.4.1(table-1)2025, IS 10810 (Part-43):1984
50.		Loss of mass test	IS 7098 (Part-1) (Cl. 15.1(e) –I 2025 IS 5831 (Cl. 4.1) (Table- 2):2013 IS 10810 (Part-10): 1984
51.		Mass of Zinc coating	IS 7098 (Part-1) (Cl. 15.1(b) Cl. 13.6 (f) 2025, IS 3975 (Cl.9.1)1999 IS 10810 (Part-41): 1984
52.		Oxygen Index Test	IS 7098 (Part-1) (Cl. 15.1.1 (C1,C2) (a) Cl.16.9)2025, IS 10810 (Part-58): 1998

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
53.	Cross linked polyethylene insulated PVC sheathed cables working voltages up to and including 1100 volts	Oxygen Index Test	IS 7098 (Part-1) (Cl.15.1.1 (C1,C2)(a) & Cl.16.9)2025, ASTM D 2863-9: 1995
54.		Hot Set Test	IS 7098 (Part-1) (Cl.15.1 (d)(3) & Cl.4.1 table (i):2025 & IS 10810 (Part-13): 1984
55.		Shrinkage test of Insulation & Sheath	IS 7098 (Part-1) (Cl. 15.1(d) (e)(iv) & Cl.4.1(Table-1) 2025, IS 5831: 1984, Cl.4.1 table (ii), IS 10810 (Part-12):1984
56.		Smoke Density	IS 7098 (Part-1) (Cl.15.1.1 (C2) (e) 2025 ASTM D 2843: 1999
57.		Temperature Index Test	IS 7098 (Part-1) 2025 (Cl.15.1.1 (C1,C2)(d)(g) Cl.16.14, IS 10810 (Part-64): 2003
58.		Temperature Index Test	IS 7098 (Part-1) 2025(Cl. 15.1.1 (C1,C2)-(d)(g) Cl.16.14, ASTM D 2863-09: 1995
59.		Tensile strength for Aluminium Conductor	IS 7098 (Part-1) (Cl. 15.1(a) (ii)2025, IS 8130 (Cl.7.2.1) 2013 IS 10810 (Part-2): 1984
60.		Tensile strength of armouring material	IS 7098 (Part-1) (Cl. 15.1(b) Cl.13.6(a), 2025, IS 10810 (Part-37):1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
61.	Cross linked polyethylene insulated PVC sheathed cables working voltages up to and including 1100 volts	Tensile strength of insulation & sheath	IS 7098 (Part-1) (Cl. 15.1(d) (e)-I 2025, IS 5831(Cl.4.1 (table-1,2) 1984, IS 10810 (Part-7): 1984
62.		Thermal Stability	IS 7098 (Part-1) (Cl. 15.1(e) (vii) 2025, IS 5831 (Cl.4.1 (Table-2) 1984, IS 10810 (Part-60): 1988
63.		Thickness of Insulation & Sheath	IS 7098 (Part-1) (Cl.15.1(C) & Cl.9.2,12.3, 14.3.1) (Table-3,5,8),2025 IS 10810 (Part-6): 1984
64.		Torsion test on Galvanized steel wire for armouring	IS 7098 (Part-1) (Cl. 15.1(b) Cl. 13.6(c) 2025, IS 3975 (Cl.8.2 of Table 6)1999, IS 10810 (Part-38):1984
65.		Uniformity of Zinc coating	IS 7098 (Part-1) (Cl.15.1(b) & Cl.13.6(e) 2025, IS 3975 (Cl.9.2) 1999, IS 10810 (Part- 40): 1984
66.		Water Absorption (Gravimetric)	IS 7098 (Part-1) (Cl.15.1(d) (v) & Cl.4.1(Table-1)2025, IS 10810 (Part-33): 1984
67.		Winding test on Galvanized steel strips for armouring	IS 7098 (Part-1) (Cl. 15.1(b) & Cl. 13.6(d) 2025, IS 10810 (Part-39): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
68.		Armour coverage percentage	IS 7098(PART-1):2025, Appendix C
69.		Wrapping test for Aluminium Conductor	IS 7098 (Part-1) (Cl. 15.1(a) (iii)2025, IS 8130(Cl.7.2.2) 2013 IS 10810 (Part-3): 1984
70.	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Ageing in air oven Elongation at Break of insulation & sheath	IS 1554 (Part-1) (Cl. 15.1(d)-2 1988, IS 5831(Cl. 4.1 (table 1,2) 1984, IS 10810 (Part-11): 1984
71.		Ageing in air oven Tensile strength of insulation & sheath	IS 1554(Part-1) (Cl. 15.1(d)(2) 1988, IS 5831 (Cl.4.1(table-1,2) 1984, IS 10810 (Part-11): 1984
72.	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, IS 8130 (Cl.7.1.2.1) 2013, IS 10810 (Part-1): 1984
73.		Resistivity Test for Armour	IS 1554 (Part-1) (Cl. 15.1(b)(2)(Vii) &13.6 (g) 1988, IS 3975 (Cl.8.4) 1999, IS 10810 (Part-42): 1984
74.		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
75.		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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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
76.	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
77.		Dimension for armouring material	IS 1554 (Part-1) (Cl.15.1) (b)(i) 1988, IS 3975 (Cl.7 of Table 3 & 4):1999, IS 10810 (Part-36):1984
78.		Elongation at break of armouring material	IS 1554 (Part-1) (Cl. 15.1(b) (2)(ii) & Cl.13.6(b): 1988, IS 10810 (Part-37): 1984
79.		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
80.		Flame Retardance test on bunched cables	IS 1554 (Part-1) (Cl. 15.1.1 (C1,C2) (C)& Cl.16.7) 1988, IS 10810 (Part -62):1993
81.		Flame Retardance Test on Single Cable	IS 1554 (Part-1) (Cl. 15.1.1 (C1,C2)(b) & (Cl.16.6),1988 ,IS 10810 (Part -61): 1988
82.		Flammability test	IS 1554 (Part-1) (Cl. 15.1(h) & 16.4 1988, IS 10810 (Part-53): 1984
83.	Halogen Acid Gas Evaluation	IS 1554 (Part-1) (Cl.15.1.1 (C2)(f) & Cl.16.9) 1988, IS 10810 (Part-59): 1988	

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Cables & Wires			
84.		Heat shock test	IS 1554 (Part-1) (Cl. 15.1(d)-6 1988 IS 5831 (Cl.4.1 (Table-1,2) 1984 IS 10810 (Part-14): 1984	
85.		High voltage Test (AC) water immersion	IS 1554 (Part-1) (Cl.15.1(f) & 16.3 1988, IS 10810 (Part 45):1984	
86.		High voltage Test (AC) Room Temperature	IS 1554 (Part-1) (Cl.15.1(g) & 16.2 1988, IS 10810 (Part 45):1984	
87.		High voltage Test (DC) Water Immersion	IS 1554 (Part-1) Cl. 15.1(f) & 16.3:1988, IS 10810 (Part-45): 1984	
88.		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	
89.		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	
90.		Loss of mass test	IS 1554 (Part-1) (Cl.15.1(d)-5,1988 IS 5831 (Cl.4.1 (table-1,2),1984 IS 10810 (Part-10): 1984	
91.		PVC Insulated (Heavy Duty) Electric Cables for working	Mass of Zinc coating	IS 1554 (Part-1) (Cl. 15.1(b) (2)(Vi) & 13.6(f) 1988, IS 3975 (Cl.9.1): 1999, IS 10810 (Part-41): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
92.	voltages up to and including 1100 V	Oxygen Index Test	IS 1554 (Part-1) (Cl.15.1.1 (C1, C2) (a) & Cl.16.5:1988, IS 10810 (Part-58): 1998
93.		Oxygen Index Test	IS 1554 (Part-1) (Cl. 15.1.1 (C1, C2)(a) & (Cl. 16.5) 1988, (ASTM D2863-09: 1995
94.		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
95.		Smoke Density	IS 1554 (Part-1) (Cl.15.1.1 (C2) (e)1988, IS 10810(Part-63):1993
96.		Temperature Index Test	IS 1554 (Part-1) (Cl. 15.1.1 (C1, C2)(g) & Cl.16.10) 1988 ,IS 10810 (Part -64): 2003
97.		Temperature Index Test	IS 1554 (Part-1) (Cl. 15.1.1 (C1, C2)(g) &Cl.16.10) 1988 ASTM D2863-09: 1995
98.		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
99.		Tensile strength for Aluminium Conductor	IS 1554 (Part-1) (Cl. 15.1(a)-2):1988, IS 8130 (Cl.7.2.1) 2013, IS 10810 (Part-2): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
100.	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)(2)(i) Cl.13.6(a) 1988, IS 10810 (Part-37): 1984
101.		Thermal Stability	IS 1554 (Part-1) (Cl. 15.1(d)(7) 1988, IS 5831 (Cl.4.1(Table-1,2) 1984, IS 10810 (Pat-60): 1988
102.		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
103.		Torsion test on Galvanized steel wire for armouring	IS 1554 (Part-1) (Cl.15.1(b) (2) (iii) & 13.6(c):1988, IS 3975 (Cl.8.2of Table 6): 1999, IS10810 (Part-38): 1984
104.		Uniformity of Zinc coating	IS 1554 (Part-1) (Cl. 15.1(b)(2) (v) & 13.6(e) 1988, IS 3975 (Cl. 9.2): 1999, IS 10810 (Part-40): 1984
105.		Volume Resistivity	IS 1554 (Part-1) (Cl. 15.1(e) 1988, IS 5831(Cl. 4.1(table-1) 1984, IS 10810 (Part-43): 1984
106.		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
107.		Armour coverage percentage	IS 1554(PART-1):1988, Appendix C

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
108.		Wrapping test for Aluminium Conductor	IS 1554 (Part-1) (Cl.15.1(a)-3) :1988, IS 8130 (Cl.7.2.2) 2013 IS 10810 (Part 3): 1984
109.		Bending Test	IS 9537 (Part 3) (Cl.9.2): 1983
110.		Classification	IS 9537 (Part 3) (Cl.5): 1983
111.		Collapse Test	IS 9537 (Part 3) (Cl. 9.5): 1983 & IS 9537 (Part 1): (Cl. 9.5) 1980
112.		Compression test	IS 9537 (Part 3) (Cl.9.3): 1983 IS 9537(Part 1) (Cl. 9.3):1980
113.		Construction	IS 9537 (Part 3) (Cl.8):1983 & IS 9537 (Part-1): 1980
114.	Specification for conduits for electrical installations	Dimensions	IS 9537 (Part 3) (Cl.7, 7.1, 7.2 & 7.3):1983
115.		Durability of Marking	IS 9537 (Part 3) (Cl.6.2): 1983 & IS 9537 (Part 1) (Cl. 6.4): 1980
116.		Electrical Characteristics	IS 9537 (Part 3) (Cl.12): 1983 & IS 9537 (Part-1) (Cl.12.1.1): 1980
117.		Impact Test	IS 9537 (Part 3) (Cl. 9.4): 1983, IS 9537 (Part 1) (Cl. 9.4): 1980
118.		Insulation Resistance	IS 9537 (Part 3) (Cl.12): 1983 & IS 9537 (Part-1) (Cl. 12.1.2): 1980
119.		Marking	IS 9537 (Part 3) (Cl.6): 1983 & IS 9537 (Part 1): 1980

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
120.		Mechanical Properties	IS 9537 (Part 3) (Cl.9): 1983
121.		Resistance to burning	IS 9537 (Part 3) (Cl.11): 1983 & IS 9537 (Part-1) : (Cl. 11) 1980
122.		Resistance to heat	IS 9537 (Part 3) (Cl.10): 1983
123.		Uniformity of the Wall Thickness	IS 9537 (Part 3) (Cl.7.4): 1983
124.		Conductor resistance test	Table 2 of IS 17048:2018 & IS 10810 (part-5):1984
125.		Annealing test for copper	Table 2 of IS 17048:2018 & IS 10810 (Part 1):1984
126.		Per sulphate test for tinned copper	Table 2 of IS 17048:2018 & IS 10810 (Part-4):1984
127.	Halogen Free Flame Retardant (HFFR) Cables for Working voltages up to and including 1100 Volt	Tensile test for aluminium	Table 2 of IS 17048:2018 & IS 10810 (Part-2):1984
128.		Wrapping test for Aluminium	Table 2 of IS 17048:2018 & IS 10810 (Part-3):1984
129.		Test for overall dimensions and thickness of insulation and sheath	Cl 4.2.3,4.5.3 & 4.5.5 of is 17048:2018 & IS 10810 (Part-6):1984
130.		Tensile strength test on insulation and sheath (before ageing)	Annex A & B of IS 17048:2018 & IS 10810 (Part-7):1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
131.	Halogen Free Flame Retardant (HFFR) Cables for Working voltages up to and including 1100 Volt	Elongation at break on insulation and sheath (before ageing)	Annex A & B of IS 17048:2018 & IS 10810 (Part-7):1984
132.		High voltage test	Cl .5.1 of IS 17048:2018 & IS 10810 (part-45):1984
133.		Tensile strength test on insulation and sheath (After ageing)	Annex A & B of IS 17048:2018 & IS 10810 (Part-11):1984
134.		Elongation at break on insulation and sheath (After ageing)	Annex A & B of IS 17048:2018 & IS 10810 (Part-11):1984
135.		Ageing in air oven on insulation and sheath	Annex A & B of IS 17048:2018 & IS 10810 (Part-11):1984
136.		Insulation resistance test	Annex A of IS 17048:2018 & IS 10810 (Part-43):1984
137.		Oxygen index	Cl .5.4 of IS 17048:2018 & IS 10810 (part-58):1998
138.		Temperature index	Cl .5.5 of IS 17048:2018 & IS 10810 (part-64):2003
139.		Hot deformation test of insulation and sheath	Annex A & B of IS 17048:2018 & IS 10810 (Part-15):1984
140.		Assessment of halogen (Ph)	Cl 5.7 and Annex D of IS 17048:2018

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
141.	Halogen Free Flame Retardant (HFFR) Cables for Working voltages up to and including 1100 Volt	Assessment of halogen (Conductivity)	Cl 5.7 and Annex D of IS 17048;2018
142.		Assessment of halogen (chlorine and bromine content expressed as content of HCL)	Cl 5.7 and Annex D of IS 17048:2018 & IS 10810(Part-59):1988
143.		Assessment of halogen (Presence of fluorine)	Cl 5.7 and Annex D of IS 17048:2018
144.		Assessment of halogen (fluorine content)	Cl 5.7 and Annex D of IS 17048:2018
145.		Hot set test (Permanent elongation set)	Annex B of IS 17048:2018 & IS 10810 (Part-30):1984
146.		Hot set test (Elongation under Load)	Annex B of IS 17048:2018 & IS 10810 (Part-30):1984
147.		Cold impact test	Annex A of IS 17048:2018 & IS 10810 (Part-21):1984
148.		Flame retardant test	Cl 5.11 of IS 17048:2018 & IS 10810 (Part-61):1988
149.		Cold bend test	Cl 4.2 & Annex A & B of IS 17048:2018 & IS 10810(Part-20):1984
150.		Water immersion test(Effect of water on sheath of cable)	Cl 5.13 of IS 17048:2018

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
151.	Thermosetting insulation fire survival cable for fixed installation having low emission of smoke and corrosive gasses when affected by fire for working voltages up to and including 1100volt AC and 1500Volt DC	Test on conductor: -annealing test for copper	Cl.17.1, table-9 of IS 17505: (part-1):2021 & IS 10810 (part-1):1984
152.	Thermosetting insulation fire survival cable for fixed installation having low emission of smoke and corrosive gasses when affected by fire for working voltages up to and including 1100volt AC and 1500Volt DC	Test on conductor: -Conductor resistance test	Cl.17.1, table-9 of IS 17505 (part-1):2021 & IS 10810 (part-5):1984
153.		Test on conductor: -per sulphate test for tinned conductor	Cl.17.1, table-9 of IS 17505 (part-1):2021 & IS 10810 (part-4):1984
154.		Test for armouring wires: - Dimensions	Cl.15.3of IS 17505(part-1):2021 & IS 10810 (part-36):1984
155.		Test for armouring wires: - Tensile strength test	Cl.15.4(a) of IS 17505(part-1):2021 & IS 10810 (part-37):1984
156.		Test for armouring wires: - Elongation at break	Cl.15.4(b)of IS 17505(part-1):2021 & IS 10810 (part-37):1984
157.		Test for armouring wires: - torsion test	Cl.15.4(c)of IS 17505(part-1):2021 & IS 10810 (part-38):1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
158.		Test for armouring wires: - winding test	IS 10810 (part-39):1984
159.		Test for armouring wires: - uniformity of zinc coating	Cl.15.4(d) of IS 17505(part-1):2021 & IS 10810 (part-40):1984
160.		Test for armouring wires: -Mass of zinc coating	Cl.15.4(e) of IS 17505(part-1):2021 & IS 10810 (part-41):1984
161.		Test for armouring wires: - resistivity test	Cl.15.4(f),15.6.1 & Table 8 of IS 17505(part-1):2021 & IS 10810 (part-42):1984
162.	Thermosetting insulation fire survival cable for fixed installation having low emission of smoke and corrosive gasses when affected by fire for working voltages up to and including 1100volt AC and 1500Volt DC	Test for insulation and outer sheath: -Tensile strength before ageing	Cl.17.1, table-1,2 & 9 of IS 17505(part-1):2021 & IS 10810 (part-7):1984
163.		Test for insulation and outer sheath: -elongation at break before ageing	Cl.17.1, table-1,2 & 9 of IS 17505(part-1):2021 & IS 10810 (part-7):1984
164.		Test for insulation and outer sheath: -Tensile strength after ageing	Cl.17.1, table-1,2 & 9 of IS 17505 (part-1):2021 & IS 10810 (part-11):1984
165.		Test for insulation and outer sheath: -elongation at break after ageing	Cl.17.1, table-1,2 & 9 of IS 17505 (part-1):2021 & IS 10810 (part-11):1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
166.	Thermosetting insulation fire survival cable for fixed installation having low emission of smoke and corrosive gasses when affected by fire for working voltages up to and including 1100volt AC and 1500Volt DC	Test for insulation and outer sheath: -Hot set test (permanent elongation)	Cl.17.1, table-1,2 & 9 of IS 17505 (part-1):2021 & IS 10810 (part-30):1984
167.		Test for insulation and outer sheath: -Hot set test (Elongation Under Load)	Cl.17.1, table-1,2 & 9 of IS 17505 (part-1):2021 & IS 10810 (part-30):1984
168.		Test for insulation and outer sheath: -shrinkage test	Cl.17.1, table-1&9 of IS 17505 (part-1):2021 & IS 10810 (part-12):1984
169.		Test for insulation and outer sheath: -Heat shock test	Cl.17.1, table-2&9 of IS 17505 (part-1):2021 & IS 10810 (part-14):1984
170.		Test for insulation and outer sheath: -cold bend test	Cl.17.1, table-2&9 of IS 17505 (part-1):2021 & IS 10810 (part-20):1984
171.		Test for insulation and outer sheath: -cold impact test	Cl.17.1, table-2&9 of IS 17505 (part-1):2021 & IS 10810 (part-21):1984
172.		Test for insulation and outer sheath: -Water absorption (Gravimetric)	Cl.17.1, table-1&9 of IS 17505 (part-1):2021 & IS 10810 (part-33):1984
173.		Test for insulation and outer sheath: -Oxygen index test	Cl.17.1,18.6 table- 9 of IS 17505 (part-1):2021 & IS 10810 (part-58):1998
174.		Test for insulation and outer sheath: -temperature index test	Cl.17.1,18.7 table- 9 of IS 17505(part-1):2021 & IS 10810(part-64):2003
175.		Test for insulation and outer sheath: -assessment of halogen	Annex F of IS 17505(part-1):2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
176.		Effect of water on sheath; - tensile strength	Cl.17.1,18.9 table- 2 &9 of IS 17505(part-1):2021 & IS 10810 (part-7):1984
177.		Effect of water on sheath; - elongation at break	Cl.17.1,18.9 table- 2 &9 of IS 17505(part-1):2021 & IS 10810 (part-7):1984
178.		High voltage test	Cl.17.1,18.2 table- 9 of IS 17505 (part-1):2021 & IS 10810 (part-45):1984
179.		Flammability test (flame test on single cable)	Cl.17.1,18.5.2 table- 9 of IS 17505 (part-1):2021 & IS 10810 (part-61):1988
180.		Flammability test(Flame test on bunched cable)	Cl.17.1,18.5.2 table- 9 of IS 17505 (part-1):2021 & IS 10810 (part-62):1993
181.		Armour coverage percentage	Cl.15.1.2 &, Annex-B of IS 17505(part-1):2021
182.		Thermosetting insulation fire survival cable for fixed installation having low emission of smoke and corrosive gasses when affected by fire for working	Assessment of halogen (PH)
183.	Assessment of halogen (conductivity)		Cl.17.1, Table 1,2 & 9, Annex-F of IS 17505(part-1) :2021
184.	Assessment of halogen (Florine content)		Cl.17.1, Table 1,2 & 9, Annex-F of IS 17505(part-1) :2021

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	Cables & Wires		
185.	voltages up to and including 1100volt AC and 1500Volt DC	Assessment of halogen (Presence of fluorine)	Cl.17.1, Table 1,2 & 9, Annex-F of IS 17505(part-1) :2021
186.		Insulation resistance test	Cl.17.1, Table 1&9 of IS 17505 (part-1) :2021& IS 10810 (Part-43):1984
187.		Test of thickness of insulation and sheath	Cl.11,14,16 & table 4&6 of IS 17505 (part-1): :2021 & IS 10810 (part-6):1984
188.	Rigid steel conduits	Marking	Cl.6.0 of IS 9537(Part-2):1981
189.		Classification	Cl.5.0 of IS 9537(Part-2):1981
190.		Dimensions (Outside dimeter)	Cl.7.1 of IS 9537(Part-2):1981
191.		Dimensions (wall thickness of conduit)	Cl.7.1 of IS 9537(Part-2):1981
192.		Dimensions (checking minimum dimeter)	Cl.7.2.1 of IS 9537(Part-2):1981
193.		Dimensions (checking maximum outside dimeter of conduit)	Cl.7.2.2 of IS 9537(Part-2) :1981
194.		Dimensions: measurement of thickness of the conduits	Cl.7.3 of IS 9537(Part-2) :1981
195.	Dimensions-uniformity of wall thickness	Cl.7.3.3 of IS 9537(Part-2) :1981	

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
196.	Rigid steel conduits	Test for screw thread	IS 4211 & Appendix-B of IS 9537(Part-2): :1981
197.		Construction	Cl.8.0 of IS 9537(Part-1):1980
198.		Mechanical properties: Bending test	Cl.9.2 of IS 9537(Part-2):1981
199.		Mechanical properties: compression test	Cl.9.3 of IS 9537(Part-1):1980
200.		External influences	Cl.13 of IS 9537(Part-1):1980
201.		Durability of marking	Cl.6.4 of IS 9537(Part-1):1980
202.		Aerial Bunched Cables- For Working Voltages up to and including 1100 volts (IS: 14255: 1995)	Ageing in air oven (XLPE insulation) (i) Treatment
203.	(ii)Tensile Strength Variation		
204.	(iii) Elongation at break Variation		
205.	Bending test on the completed Cable		Cl.11.4 of IS:14255:1995
206.	Elongation at break (XLPE insulation)		Cl.5.1& Cl.10.1-c i) of IS:14255:1995, IS:10810 (P-7): 1984
207.	Elongation test (Messenger conductor)		Cl.11.3 & Cl.10.1-b ii) of IS:14255: 1995

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Scope of Accreditation

Eko Pro Engineers Private Limited

32/37, South Side of GT Road, UPSIDC Industrial Area
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QAI/CIA/TL/2025/0113

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Electrical Testing

Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
208.	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts (IS: 14255: 1995)	High Voltage test	Cl.11.2 & Cl.10.1- g) of IS:14255:1995, IS:10810 (P-45): 1984
209.		Hot set test (XLPE insulation) Under Load	Cl.10.1-c) iii) of IS:14255:1995, IS:10810 (P-30): 1984
210.		Hot set test (XLPE insulation) Permanent Elongation	Cl.10.1- c) iii) of IS:14255:1995, IS:10810 (P-30): 1984
211.		Insulation resistance (Volume Resistivity) test	IS: 14255:1995 Cl.10.1- f) IS:10810 (P-43): 1984
212.		Resistance test (For phase/street light conductor)	IS: 14255:1995 Cl.10.1-a) iii) IS 8130:2013 IS:10810 (P-5): 1984
213.		Resistance test (Messenger conductor)	IS: 14255:1995 Cl.10.1- b) iii) IS:10810 (P-5) : 1984
214.		Shrinkage test (XLPE insulation)	IS:14255-1995 Cl.10.1- c) iv) IS:10810 (P-12): 1984
215.		Tensile strength (XLPE insulation)	Cl.5.1& Cl.10.1-c) of IS:14255:1995 i), IS:10810 (P-7): 1984
216.		Tensile test (For phase/street light conductor)	Cl.10.1-a) of IS:14255:1995, IS 8130:2013 IS:10810 (P-2): 1984
217.		Test for thickness of Insulation	Cl.7.2 & Cl.10.1- e) IS:14255:1995 IS:10810 (P-8): 1984
218.	Wrapping Test (For phase/street light conductor)	Cl.10.1- a) of IS:14255:1995 ii), IS 8130:2013 IS:10810 (P-3): 1984	

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Electrical Testing

Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
219.	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts (IS: 14255: 1995)	Tensile Strength (PE Insulation)	Cl.5.1 & Cl.10.1 (d) (i) of IS:14255:1995, IS 10810(P-7): 1984
220.		Elongation at Break (PE Insulation)	Cl.5.1 & Cl.10.1 (d) (i) of IS:14255:1995, IS:10810(P-7): 1984
221.		Breaking load (messenger conductor)	IS:14255:1995, IS:10810 (P-2) :1984
222.		Water absorption (gravimetric) (XLPE insulation)	IS:14255:1995, IS:10810 (P-33): 1984
223.		Carbon Black Content	IS:14255:1995, IS:10810 (P-32): 1984
224.		Melt- Flow Index	IS:14255:1995, IS:10810 (P-23): 1984
225.		Vicat softening point	IS:14255:1995, IS:10810 (P-22): 1984

*Note:

Scope Extension 1:

Following scope of accreditation is extended w.e.f. 08 Sep 2025

Electrical Testing-

- Domestic Electrical Appliances (S. No.- 1 to 537; Page no. -79 to 124)
- Cables and Wires (S. No.- 1 to 201; Page no. -128 to 150)

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Accreditation Standard: ISO/IEC 17025:2017

Following scope of accreditation is deleted w.e.f. 08 Sep 2025

Chemical Discipline - Metals and alloys - Staining test, Cold Retention Capability, Heat Retention Capability, Cadmium, Lead in Domestic Stainless Steel Vacuum Flask / Bottle, Insulated Flask for Domestic Use, Insulated Containers for Food Storage and Potable Water Bottles (Copper, Stainless Steel, Aluminium) under Chemical Discipline

Mechanical Discipline- Mechanical properties of metals –

Air Pressure Test, Bursting Pressure Test, Operating Test For Regulating Device, Proof Pressure Test, Removal of Lid Under Pressure, Safety Pressure Relief Device Test, Spring Load Mechanism, Capacity, Gasket, Handles and Knobs in Pressure cooker

Capacity Test, Drop Impact Test, Pendulum Impact Test, Strength of Shoulder Strap, Test for Cord, Test for Cord Chain, Leakage Test, Staining Test (Stainless Steel Bottle Only), Lever, Device for Operating or Regulating Flow Test, Test for Stability of Bottle, Load Test in Potable water bottles (Copper, Stainless steel, aluminium).

Shapes and Dimensions (Thickness), Staining Test, Mechanical Shock Test, Thermal Shock Test, Dry Heat Test, Coating Thickness Test, Nominal Capacity Test, Fragmentation Test, Ball Drop Test, Free Fall Test in Stainless steel utensils Bending Strength, Torque Strength, Impact Strength, Fatigue Resistance, Leakage, Thermal Insulation, Heat Resistance, Washing Resistance, Burning Resistance in Performance of Handles and Handle Assemblies Attached to Cookware.

Mechanical Discipline- Mechanical properties of metals -

Arrangement for Holding and Suspension, Capacities, Drop Impact, Fixing Strength of the Handle, Joint Leak Test, Leakage Test, Length of the Shoulder strap, Manufacture and Workmanship, Marking, Material (Thickness), Packaging, Pendulum Impact, Pour Test, Stability of Flask/Bottle, Test for Strength of Cord, Test for Strength of Shoulder Strap in Domestic Stainless Steel Vacuum Flask / Bottle

Capacity Test, Drop Impact Test, Joint Leak Test, Leakage Test, Lever Device for operating or Regulating Flow Test, Manufacture and Workmanship, Marking, Material (Thickness), Packaging, Pendulum Impact Test, Pour Test, Seepage

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Test, Test for Fixing Strength of the Handle, Test for Length of the Shoulder strap, Test for Stability of Flask/Bottle, Test for Strength of Cord, Test for Strength of Shoulder Strap in Insulated Flask for Domestic Use.

Capacity Test, Cleaning, Drop Impact Test, Joint Leak Test, Leakage Test, Length of the Shoulder strap, Manufacture and Workmanship, Marking, Material (Thickness), Packaging, Pendulum Impact Test, Seepage Test, Stability of Insulated Container, Strength of the Handle, Test for Strength of Shoulder Strap in Insulated Containers for Food Storage

Capacity Test, Drop Impact Test, Leakage Test, Lever Device for operating or Regulating Flow Test, Load test, Manufacture and Workmanship, Marking, Material (Thickness), Packaging, Pendulum Impact Test, Test for Stability of Bottle

Test for Strength of Cord, Test for Strength of Cord Chain, Test for Strength of Shoulder Strap in Potable Water Bottles (Copper, Stainless Steel, Aluminium).

Scope Extension 2:

Following scope of accreditation is extended w.e.f. 08 January 2026

Electrical Discipline-

Wiring accessories (S. No.-1 to 41; Page no.- 125 to 127)

Cables and Wires (S. No.-202 to 225; Page no.-150 to 152)

Chemical Discipline-

Building Material (S. No.- 47 to 90; Page no. – 11 to 14)

Mechanical Discipline-

Building, Infrastructure & Construction Materials (S. No.- 93 to 177; Page no.- 33 to 40)

Soil and Rock (S. No.- 1 to 27; Page no. – 41 to 43)

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Scope of Accreditation

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Mechanical Properties of Metals (S. No.- 359 to 428; Page no.-72 to 77)

Non-Destructive Testing Discipline-

Building Materials – Reinforced Concrete Structures (S. No.- 1 to 7; Page no.-78)

