

Quality And Accreditation Institute

Centre for International Accreditation



Certificate of Accreditation

Indian Testing Laboratory Private Limited

Plot No. 248, Udyog Kendra-II, Ecotech-III, Gautam Buddha Nagar,
Greater Noida -201306, Uttar Pradesh, India

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

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

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



QAI/CIA/TL/2024/0075

(Date of First Accreditation: 11 September 2024)

Valid from: 11 September 2026

Valid until: 10 September 2028

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Biological Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
1.	Drinking Water	E. coli / 100 ml	IS 15185: 2016 RA: 2021
2.	Drinking Water	Total coliform bacteria / 100 ml	IS 15185: 2016 RA: 2021
3.	Ground Water	Total coliform bacteria / 100 ml	IS 15185: 2016 RA: 2021
4.	Ground Water/ Surface Water	E. coli / 100 ml	IS 15185: 2016 RA: 2021
5.	Waste Water	E. coli / 100 ml	IS 1622:2026
6.	Waste Water	Total coliform bacteria / 100 ml	IS 1622:2026

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
1.	Drinking Water	Alkalinity (as CaCO ₃)	IS 3025 (Part 23): 2023
2.	Drinking Water	Calcium (as Ca)	IS 3025 (Part 40): 2024
3.	Drinking Water	Chloride (as Cl)	IS 3025 (Part 32): 2025
4.	Drinking Water	Colour	IS 3025 (Part 4): 2021
5.	Drinking Water	Fluoride (as F)	IS: 3025 (Part-60/Sec 1): 2008 RA 2023
6.	Drinking Water	Iron (as Fe)	IS 3025 (Part 53): 2024
7.	Drinking Water	Magnesium (as Mg)	IS 3025 (Part 46): 2023
8.	Drinking Water	Nitrate (as NO ₃)	IS 3025 (Part 34): 1988
9.	Drinking Water	Odour	IS 3025 (Part 5): 2018
10.	Drinking Water	pH	IS 3025 (Part 11): 2022
11.	Drinking Water	Residual Free Chlorine	IS 3025 (Part 26): 2021
12.	Drinking Water	Sulphate (as SO ₄)	IS 3025 (Part 24/ Sec 1): 2022
13.	Drinking Water	Taste	IS 3025 (Part 7): 2017 RA 2022 & IS 3025 (Part 8): 2023

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
14.	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16): 2023
15.	Drinking Water	Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009 RA 2023
16.	Drinking Water	Turbidity	IS 3025 (Part 10): 2023
17.	Water for construction purpose	Chloride (as Cl)	IS 3025 (Part 32): 2025
18.	Water for construction purpose	Inorganic Solid	IS 3025 (Part 18): 2022
19.	Water for construction purpose	Neutralization of 100 ml Water in 0.02N H ₂ SO ₄	IS 456: 2000
20.	Water for construction purpose	Neutralization of 100 ml Water in 0.02N NaOH	IS 456: 2000
21.	Water for construction purpose	Organic Solid	IS 3025 (Part 18): 2022
22.	Water for Construction purpose	pH	IS 3025 (Part 11): 2022
23.	Water for Construction purpose	Sulphate (as SO ₃)	IS 3025 (Part 24/ Sec 1): 2022
24.	Water for Construction purpose	Total Suspended Solids	IS 3025 (Part 17): 2022
25.	Ground Water	Alkalinity (as CaCO ₃)	IS 3025 (Part 23): 2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
26.	Ground Water	Calcium (as Ca)	IS 3025 (Part 40): 2024
27.	Ground Water	Chloride (as Cl)	IS 3025 (Part 32): 2025
28.	Ground Water	Colour	IS 3025 (Part 4): 2021
29.	Ground Water	Iron (as Fe)	IS 3025 (Part 53): 2024
30.	Ground Water	Magnesium (as Mg)	IS 3025 (Part 46): 2023
31.	Ground Water	Nitrate (as NO ₃)	IS 3025 (Part 34): 1988 RA 2019
32.	Ground Water	Odour	IS 3025 (Part 5): 2018
33.	Ground Water	pH	IS 3025 (Part 11): 2022
34.	Ground Water	Residual Free Chlorine	IS 3025 (Part 26): 2021
35.	Ground Water	Sulphate (as SO ₄)	IS 3025 (Part 24/ Sec 1): 2022
36.	Ground Water	Taste	IS 3025 (Part 7): 2017 RA 2022& IS 3025 (Part 8): 2023
37.	Ground Water	Total Dissolved Solids	IS 3025 (Part 16): 2023
38.	Ground Water	Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009 RA 2023
39.	Ground Water	Turbidity	IS 3025 (Part 10): 2023

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coatings		
1.	Aluminium Paints for General Purpose	Drying Time	IS: 101 (P-3/S-1): 2023
2.	Aluminium Paints for General Purpose	Consistency	IS: 2339 – 2013 Annex B
3.	Aluminium Paints for General Purpose	Finish	IS: 101 (P-3/S-4) – 1987
4.	Aluminium Paints for General Purpose	Mass, kg/10L	IS: 101 (P-1/S-7) - 2020
5.	Aluminium Paints for General Purpose	Wet Opacity	IS: 101 (P-4/S-1) 1988
6.	Aluminium Paints for General Purpose	Flexibility & Adhesion Bend test with 6.25 mm diameter mandrel and type-1 Apparatus	Clause 2 of IS: 101 (P-5/S-2) 1988
7.	Aluminium Paints for General Purpose	Resistance to Humidity under condition of condensation	IS: 101 (P-6/S-1) 1988
8.	Aluminium Paints for General Purpose	Flash Point	IS: 101 (P-1/S-6) – 1987
9.	Aluminium Paints for General Purpose	Keeping Properties	IS: 101 (P-6/S-2) – 1989
10.	Ready Mixed Paint, Brushing, Zinc Chrome, Priming	Consistency	IS: 104 - 2017 Annex C

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coatings		
11.	Ready Mixed Paint, Brushing, Zinc Chrome, Priming	Finish	IS: 101 (P-3/S-4) – 1987
12.	Ready Mixed Paint, Brushing, Zinc Chrome, Priming	Drying time (Hard dry)	IS: 101 (P-3/S-1): 2023
13.	Ready Mixed Paint, Brushing, Zinc Chrome, Priming	Mass, kg/10L	IS: 101 (P-1/S-7) - 2020
14.	Ready Mixed Paint, Brushing, Zinc Chrome, Priming	Colour	IS: 101 (P-4/S-2) 2021
15.	Ready Mixed Paint, Brushing, Zinc Chrome, Priming	Wet Opacity	IS: 101 (P-4/S-1) 1988
16.	Ready Mixed Paint, Brushing, Zinc Chrome, Priming	Flexibility & Adhesion Bend test with 6.25 mm diameter mandrel and type-1 Apparatus	IS: 101 (P-5/S-2) 1988
17.	Ready Mixed Paint, Brushing, Zinc Chrome, Priming	Flash Point	IS: 101 (P-1/S-6) – 1987
18.	Ready Mixed Paint, Brushing, Zinc Chrome, Priming	Resistance to Humidity under condition of condensation	IS: 101 (P-6/S-1) 1988
19.	Ready Mixed Paint, Brushing, Zinc Chrome, Priming	Keeping Properties	IS: 101 (P-6/S-2) 1989
20.	Paint, Brushing, Wood Primer	Drying Time	IS: 101 (P-3/S-1): 2023

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coatings		
21.	Paint, Brushing, Wood Primer	Consistency	IS: 3536 2016 Annex B
22.	Paint, Brushing, Wood Primer	Mass, kg/10L	IS: 101 (P-1/S-7) - 2020
23.	Paint, Brushing, Wood Primer	Finish	IS: 101 (P-3/S-4) – 1987
24.	Paint, Brushing, Wood Primer	Colour	IS: 101 (P-4/S-2) 2021
25.	Paint, Brushing, Wood Primer	Flexibility & Adhesion Bend test with 6.25 mm diameter mandrel and type-1 Apparatus	IS: 101 (P-5/S-2) 1988
26.	Paint, Brushing, Wood Primer	Flash Point	IS: 101 (P-1/S-6) – 1987
27.	Paint, Brushing, Wood Primer/ PU Full Gloss Enamel	Volume Solids	IS: 101 (P-8/S-6) 1993
28.	Paint, Brushing, Wood Primer	Water Content	IS: 101 (P-2/S-1) 2018
29.	Paint, Brushing, Wood Primer	Resistance to water	IS: 3536 2016 Annex C
30.	Paint, Brushing, Wood Primer	Keeping properties	IS: 101 (P-6/S-2) 1989
31.	Washable Distemper /PU Full Gloss Enamel	Drying time	IS: 428 2013 Annex B
32.	Washable Distemper	Consistency	IS: 428 2013 Annex C

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coatings		
33.	Washable Distemper / PU Full Gloss Enamel	Finish	IS: 101 (P-3/S-4) – 1987
34.	Washable Distemper/PU Full Gloss Enamel	Colour	IS: 101 (P-4/S-2) 2021
35.	Washable Distemper	Fastness to Light	IS: 101 (P-4/S-3) 1988
36.	Washable Distemper	Residue on sieve	IS: 428 2013 Annex D
37.	Washable Distemper	Recoating Properties	IS: 428 2013 Annex E
38.	Washable Distemper	Resistance to Alkali	IS: 428 2013 Annex F
39.	Washable Distemper	Accelerated Storage Stability	IS: 428 2013 Annex G
40.	Paint, Plastic Emulsion	Consistency	IS: 15489 2013 Annex B
41.	Paint, Plastic Emulsion	Drying time	IS: 15489: 2024
42.	Paint, Plastic Emulsion	Finish	IS: 15489 :2024
43.	Paint, Plastic / PU Full Gloss Enamel Emulsion	Gloss at 60°	IS: 101 (P-4/S-4) 2020
44.	Paint, Plastic Emulsion	Colour	IS: 15489 2013 Annex E
45.	Paint, Plastic Emulsion	Fastness to Light	IS: 101 (P-4/S-3) 1988

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coatings		
46.	Paint, Plastic Emulsion	Resistance to Alkali	IS: 15489: 2024
47.	Paint, Plastic Emulsion	Washability and Cleanability	IS: 15489 :2024
48.	Paint, Plastic Emulsion	Accelerated Storage Stability	IS:15489: 2024
49.	Paint, Plastic Emulsion	Recoating Properties	IS: 15489: 2024
50.	PU Full Gloss Enamel	Consistency	IS: 13213-2018 (Annex C)
51.	PU Full Gloss Enamel	Pot Life	IS: 13213-2018 (Annex D)
52.	PU Full Gloss Enamel	Accelerated Test	IS: 13213-2018 (Annex C)
53.	PU Full Gloss Enamel	Fineness to grind	IS: 101 (P-3/S-5) 2022
54.	Epoxy Enamel	Consistency	IS: 14209-2016 (Annex B)
55.	Epoxy Enamel	Pot Life	IS: 14209-2016 (Annex C)
56.	Epoxy Enamel	Resistance to acid/alkali	IS: 14209-2016 (Annex D)
57.	Epoxy Enamel	Drying Time	IS: 101 (P-3/S-1): 2023
58.	Epoxy Enamel /PU Full Gloss Enamel	Mass, kg/10L	IS: 101 (P-1/S-7) - 2020

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coatings		
59.	Epoxy Enamel /PU Full Gloss Enamel	Flexibility & Adhesion Bend test with 6.25 mm diameter manderal and type-1 Apparatus	IS: 101 (P-5/S-2) - 1988
60.	Epoxy Enamel /PU Full Gloss Enamel	Flash Point	IS: 101 (P-1/S-6) – 1987
61.	Epoxy Enamel	Finish	IS: 101 (P-3/S-4) – 1987
62.	Epoxy Enamel	Colour	IS: 101 (P-4/S-2) 2021
63.	Epoxy Enamel	Gloss at 60°	IS: 101 (P-4/S-4) 2020
64.	Epoxy Enamel	Flexibility & Adhesion Bend test with 6.25 mm diameter manderal and type-1 Apparatus	IS: 101 (P-5/S-2) – 1988
65.	Epoxy Enamel/ PU Full Gloss Enamel	Keeping properties	IS: 101 (P-6/S-2) 1989
66.	Epoxy Enamel/ PU Full Gloss Enamel	Dry Film Thickness	IS: 101 (P-3/S-2) 1989
67.	Thermoplastic Paint	Binder Content	BS – 3262 (P-1) - 1989
68.	Thermoplastic Paint	Glass Beads Content	BS – 3262 (P-1) - 1989
69.	Thermoplastic Paint	Titanium dioxide	IS: 1527 – 1972

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coatings		
70.	Thermoplastic Paint	Calcium carbonate & Inert Filler	IS: 8767 - 2020
71.	Thermoplastic Paint	Softening Point	ASTM D-36
72.	Thermoplastic Paint	Drying Time	IS: 101 (P-3/S-1): 2023
73.	Thermoplastic Paint	Low Temperature Crack resistance	ASTM D-5147
74.	Washable Distemper	Chromium VI and its Compound	ITL/SOP/CHE/05
75.	Washable Distemper	Cadmium	ITL/SOP/CHE/05
76.	Washable Distemper	Lead	ITL/SOP/CHE/05
77.	Washable Distemper	Volatile Organic Compounds	IS 101(P-2/Sec-2)-2018
78.	Washable Distemper	Keeping properties	IS 428-2013
79.	Washable Distemper	Lead Restriction	IS 101(P-8/Sec-5)-2022
80.	Washable Distemper	Application	IS 428-2013
81.	Washable Distemper	Thinning	IS 428-2013
82.	Washable Distemper	Foam and condition	IS 428-2013

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
1.	Aluminium its Alloys and Products	Manganese	IS 504: 1963
2.	Aluminium its Alloys and Products	Boron	ITL/SOP/CHE/01, Issue No. 00, Issue Date 05.01.2021
3.	Aluminium its Alloys and Products	Iron	ITL/SOP/CHE/01, Issue No. 00, Issue Date 05.01.2021
4.	Aluminium its Alloys and Products	Magnesium	ITL/SOP/CHE/01, Issue No. 00, Issue Date 05.01.2021/ IS 504: 1963, RA 2019
5.	Aluminium its Alloys and Products	Zinc	ITL/SOP/CHE/01, Issue No. 00, Issue Date 05.01.2021
6.	Aluminium its Alloys and Products	Chromium	ITL/SOP/CHE/01, Issue No. 00, Issue Date 05.01.2021
7.	Aluminium its Alloys and Products	Lead	ITL/SOP/CHE/01, Issue No. 00, Issue Date 05.01.2021
8.	Aluminium its Alloys and Products	Vanadium	ITL/SOP/CHE/01, Issue No. 00, Issue Date 05.01.2021
9.	Aluminium its Alloys and Products	Aluminium	IS 737: 2024/ IS 504: 1963 / IS 1285: 2023
10.	Aluminium its Alloys and Products	Copper	ITL/SOP/CHE/01, Issue No. 00, Issue Date 05.01.2021

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	Metals & Alloys		
11.	Aluminium its Alloys and Products	Manganese	ITL/SOP/CHE/01, Issue No. 00, Issue Date 05.01.2021
12.	Aluminium its Alloys and Products	Silicon	IS 504: 1963
13.	Aluminium its Alloys and Products	Titanium	ITL/SOP/CHE/01, Issue No. 00, Issue Date 05.01.2021
14.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Bismuth	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021
15.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Copper	IS 440: 2025
16.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Copper Purity Test	IS 191: 2007
17.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Phosphorus	IS 440: 2025
18.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Selenium	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021
19.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Silver	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021
20.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Oxygen	IS: 440: 2025
21.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Aluminium	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021

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	Metals & Alloys		
22.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Arsenic	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021
23.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Lead	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021 / IS 3685: 1966, RA 2018
24.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Manganese	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021
25.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Nickel	IS 3685: 1966 / ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021
26.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Tin	IS 3685: 1966
27.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Zinc	IS 3685: 1966
28.	Copper and Its Alloys (Leaded Brass Copper and Bronze)	Antimony	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021
29.	Copper and Its Aloys (Leaded Brass Copper and Bronze)	Iron	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021
30.	Copper and Its Aloys (Leaded Brass Copper and Bronze)	Sulphur	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021
31.	Copper and Its Aloys (Leaded Brass Copper and Bronze)	Tellurium	ITL/SOP/CHE/02, Issue No. 00, Issue Date 05.01.2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
32.	Mild Steel	Aluminium	ITL/SOP/CHE/03, Issue No. 00, Issue Date 05.01.2021
33.	Mild Steel	Boron	ITL/SOP/CHE/03, Issue No. 00, Issue Date 05.01.2021
34.	Mild Steel	Cadmium	ITL/SOP/CHE/03, Issue No. 00, Issue Date 05.01.2021
35.	Mild Steel	Calcium	ITL/SOP/CHE/03, Issue No. 00, Issue Date 05.01.2021
36.	Mild Steel	Carbon	IS 228 (Part 1):2025
37.	Mild Steel	Carbon Equivalent (CE)	IS 1786: 2008
38.	Mild Steel	Carbon Equivalent (CE)	IS 2062: 2011
39.	Mild Steel	Chromium	ITL/SOP/CHE/03, Issue No. 00, Issue Date 05.01.2021
40.	Mild Steel	Copper	ITL/SOP/CHE/03, Issue No. 00, Issue Date 05.01.2021
41.	Mild Steel	Manganese	IS 228 (Part 2): 2024
42.	Mild Steel	Mass of Zinc Coating	IS: 1573: 1986
43.	Mild Steel	Molybdenum	ITL/SOP/CHE/03, Issue No. 00, Issue Date: 05/01/2021
44.	Mild Steel	Nickel	ITL/SOP/CHE/03, Issue No. 00, Issue Date: 05/01/2021

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	Metals & Alloys		
45.	Mild Steel	Niobium	ITL/SOP/CHE/03, Issue No. 00, Issue Date 05.01.2021
46.	Mild Steel	Nitrogen	IS: 228 (Part-19): 1998
47.	Mild Steel	Phosphorous	IS 228 (Part 3): 2024
48.	Mild Steel	Silicon	IS 228 (Part 8): 1989
49.	Mild Steel	Sulphur	IS 228 (Part 9): 1989
50.	Mild Steel	Tin	ITL/SOP/CHE/03, Issue No. 00, Issue Date 05.01.2021
51.	Mild Steel	Titanium	ITL/SOP/CHE/03, Issue No. 00, Issue Date 05.01.2021
52.	Mild Steel	Vanadium	ITL/SOP/CHE/03, Issue No. 00, Issue Date 05.01.2021
53.	Plain Carbon Steel	Carbon	IS 228 (Part 1):2025
54.	Plain Carbon Steel	Chromium	IS 228 (Part 6):2024
55.	Plain Carbon steel	Copper	IS 228 (Part 15): 1992
56.	Plain Carbon Steel	Molybdenum	IS 228 (Part 7): 2025
57.	Plain Carbon Steel	Nickel	IS 228 (Part 5): 1987
58.	Plain Carbon Steel	Phosphorus	IS 228 (Part 3): 2024
59.	Plain Carbon Steel	Silicon	IS 228 (Part 8): 1989
60.	Plain Carbon Steel	Sulphur	IS 228 (Part 9): 1989

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
61.	Stainless Steel	Carbon	IS 228 (Part 1): 2025
62.	Stainless Steel	Sulphur	IS 228 (Part 9): 1989
63.	Stainless Steel	Chromium	IS 228 (Part 6): 2024
64.	Stainless Steel	Copper	ITL/SOP/CHE/04, Issue No. 00, Issue Date 05.01.2021
65.	Stainless Steel	Manganese	IS 228 (Part 2): 2024
66.	Stainless Steel	Molybdenum	ITL/SOP/CHE/04, Issue No. 00, Issue Date 05.01.2021
67.	Stainless Steel	Nickel	IS 228 (Part 5): 1987
68.	Stainless Steel	Silicon	IS 228 (Part 8) :1989
69.	Stainless Steel	Phosphorus	IS 228 (Part 3) :2024
70.	Stainless Steel	Nitrogen	IS: 228 (Part-19): 1998
71.	Ferrosilicon/ Silicomanganese/ Ferromanganese	Extraneous Contamination	IS: 1110-2023 & IS: 1470-2023 & IS: 1171-2026
72.	Ferrosilicon/ Ferromanganese/	Aluminium	IS 1559 (P-5): 2003
73.	Ferrosilicon	Boron	ITL/SOP/CHE/04: 2024
74.	Ferrosilicon	Calcium	IS 1559 (P-6): 1982

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
75.	Ferrosilicon/ Silicomanganese/ Ferromanganese	Carbon	IS 1559(P-2): 2025
76.	Ferrosilicon/ Silicomanganese/ Ferromanganese	Particle Size Designation	IS: 1110-2023 & IS: 1470-2023 & IS: 1171-2026
77.	Ferrosilicon/ Silicomanganese/ Ferromanganese	Phosphorus	IS 1559 (P-4): 1982
78.	Ferrosilicon/Silicomanganese/ Ferromanganese	Silicon	IS 1559 (P-1): 1988
79.	Ferrosilicon/ Silicomanganese/ Ferromanganese	Sulphur	IS: 1559 (P-3): 2025
80.	Ferrosilicon	Titanium	ITL/SOP/CHE/04: 2024
81.	Ferrosilicon	Zirconium	ITL/SOP/CHE/04: 2024
82.	Ferrosilicon/Silicomanganese/ Ferromanganese	Manganese	ITL/SOP/CHE/04: 2024
83.	Ferrosilicon	Iron	IS: 1110-2023
84.	Metallic Coating (Ferrous & Non - Ferrous)	Adhesion Test	IS 2629: 1985
85.	Copper Wire	Copper + Silver	IS 440:2025, IS 191:2007
86.	Copper Wire	Total Impurities	IS 191:2007

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
87.	Brass	Silicon	ITL/SOP/CHE/02, IS 1264:1997
88.	Brass	Total Impurities	IS 1264:1997
89.	Copper Wire Rods	Tellurium	ITL/SOP/CHE/02
90.	Copper Wire Rods	Selenium	ITL/SOP/CHE/02
91.	Copper Wire Rods	Bismuth	ITL/SOP/CHE/02
92.	Copper Wire Rods	Group total (Se + Te +Bi)	ITL/SOP/CHE/02
93.	Copper Wire Rods	Antimony	ITL/SOP/CHE/02
94.	Copper Wire Rods	Arsenic	ITL/SOP/CHE/02
95.	Copper Wire Rods	Tin	ITL/SOP/CHE/02
96.	Copper Wire Rods	Lead	ITL/SOP/CHE/02
97.	Copper Wire Rods	Iron	ITL/SOP/CHE/02
98.	Copper Wire Rods	Nickel	ITL/SOP/CHE/02
99.	Copper Wire Rods	Sulphur	ITL/SOP/CHE/02
100.	Copper Wire Rods	Silver	ITL/SOP/CHE/02

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
101.	Copper Wire Rods	Oxygen	IS 440:2025
102.	Copper Wire Rods	Allowable total impurities	ITL/SOP/CHE/02
103.	Copper Wire Rods	Copper	IS 440:2025, IS 12444:2020



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
1.	Waste Water (STP, ETP, WWTP)	Bio-Chemical Oxygen Demand (for 3 days at 27'C)	IS 3025 (Part 44): 2023
2.	Waste Water (STP, ETP, WWTP)	Chemical Oxygen Demand	IS 3025 (Part 58): 2023
3.	Waste Water (STP, ETP, WWTP)	Conductivity (at 25'C)	IS 3025 (Part 14):2013
4.	Waste Water (STP, ETP, WWTP)	Oil & grease	IS 3025 (Part 39): 2021
5.	Waste Water (STP, ETP, WWTP)	pH	IS 3025 (Part 11): 2022
6.	Waste Water (STP, ETP, WWTP)	Phosphorus (as P)	IS 3025 (Part 31/Sec 1): 2022
7.	Waste Water (STP, ETP, WWTP)	Potassium (as K)	IS 3025 (Part 45): 2024
8.	Waste Water (STP, ETP, WWTP)	Sodium (as Na)	IS 3025 (Part 45): 2024
9.	Waste Water (STP, ETP, WWTP)	Total Dissolved Solids	IS 3025 (Part 16): 2023
10.	Waste Water (STP, ETP, WWTP)	Total Suspended Solids	IS 3025 (Part 17): 2022

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
1.	Cement	Calcium Oxide	IS 4032: 1985
2.	Cement	Magnesium Oxide	IS 4032: 1985
3.	Cement	Sulphur as SO ₃	IS 4032: 1985
4.	Cement	Loss on Ignition	IS 4032: 1985
5.	Cement	Silica as SiO ₂	IS 4032: 1985
6.	Cement	Chloride as Cl	IS 4032: 1985
7.	Cement	Iron as Fe ₂ O ₃	IS 4032: 1985
8.	Cement	Aluminium as Al ₂ O ₃	IS 4032: 1985
9.	Cement	Insoluble Residue	IS 4032: 1985
10.	Cement	Alkali Content	IS:4032-1985, & IS:3812 (P-1)-2013
11.	Concrete Admixture	Dry Material Content	IS 9103: 1999
12.	Concrete Admixture	Ash Content	IS 9103: 1999
13.	Concrete Admixture	Relative Density	IS 9103: 1999
14.	Concrete Admixture	Chloride Content	IS 6925: 1973 Clause No. 3
15.	Concrete Admixture	pH	IS 9103: 1999
16.	Ceramics Tile (Glazed/ Unglazed/ Vitrified)	Resistance to Staining	IS 13630- Part 8 2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
17.	Ceramics Tile (Glazed/ Unglazed/ Vitrified)	Resistance to household chemical	IS :13630- Part 8 2019
18.	Ceramics Tile (Glazed/ Unglazed/ Vitrified)	Resistance to acid/alkali	IS :13630- Part 8 2019
19.	Hardened Concrete	Chloride	BS 1881 (P-124): 2015 / BS 812 (P-117): 1988
20.	Hardened Concrete	Potassium Oxide	BS1881 (P-124):2015
21.	Hardened Concrete	Chloride	BS 1881 (P-124): 2015 / BS 812 (P-117): 1988
22.	Hardened Concrete	Ratio of Ingredients	ASTM C-1084: 2019 / IS 516(P-11) / IS 1199: 2020
23.	Hardened Concrete	Sodium Oxide	BS 1881 (P-124): 2015
24.	Hardened Concrete	Sulphate	BS 812 (P-118): 1988 / IS 1881 (P-124): 2015
25.	Mortar	Chloride	BS 1881 (P-124):2015
26.	Mortar	Ratio of Ingredients	IS 516(P-11) / IS 1199: RA 2018
27.	Mortar	Sulphate	BS 1881 (P-124):2015
28.	Building Lime	Available lime as CaO (Dry Basis)	IS: 1514 1990 (RA 2024)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
29.	Building Lime	Calcium and Magnesium oxides (on ignited basis)	IS: 6932(P-1) 2025
30.	Building Lime	Carbon dioxide (on Oven Dry basis)	IS: 6932(P-2) 2025
31.	Building Lime	Free Moisture content	IS: 1514: 1990
32.	Building Lime	Insoluble residue in dilute acid and alkali (on ignited basis)	IS: 6932(P-1) 2025
33.	Building Lime	Magnesium oxides (on ignited basis)	IS: 6932(P-1) 2025
34.	Building Lime	Silica, Alumina and Ferric oxide (on ignited basis)	IS: 6932(P-1) 2025
35.	Building Lime	Unhydrated Magnesium oxide (on ignited basis)	IS: 6932(P-5) 2025
36.	Aggregates (Coarse) Graded, Single, All in one, Key Stone Metal, Ballast & Boulder	Alkali Aggregate Reactivity – Dissolved Silica	IS 2386 (P-7): 1963
37.	Aggregates (Coarse) Graded, Single, All in one, Key Stone Metal, Ballast & Boulder	Alkali aggregate Reactivity - Reduction in alkalinity	IS 2386 (P-7): 1963
38.	Aggregates (Coarse) Graded, Single, All in	Alkali aggregate Reactivity - Nature of Aggregate	IS 2386 (P-7): 1963

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
	one, Key Stone Metal, Ballast & Boulder		
39.	Aggregates (Coarse) Graded, Single, All in one, Key Stone Metal, Ballast & Boulder	Water Soluble Chloride Content as Cl	IS: 14959 (P-2): 2001
40.	Aggregates (Coarse) Graded, Single, All in one, Key Stone Metal, Ballast & Boulder	Total Sulphate Content as SO ₃	IS: 4032-1985
41.	Aggregates (Fine) Crushed Stone Sand, Natural Sand, Crushed Gravel Sand, Binding & Screening Material, Mixed Sand & Manufactured Sand	Alkali aggregate Reactivity-Reduction in alkalinity	IS 2386 (P-7): 1963
42.	Aggregates (Fine) Crushed Stone Sand, Natural Sand, Crushed Gravel Sand, Binding & Screening Material, Mixed Sand & Manufactured Sand	Alkali aggregate Reactivity-Dissolved Silica	IS 2386 (P-7): 1963
43.	Aggregates (Fine) Crushed Stone Sand, Natural Sand, Crushed Gravel Sand, Binding	Alkali aggregate Reactivity - Nature of Aggregate	IS 2386 (P-7): 1963

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
	& Screening Material, Mixed Sand & Manufactured Sand		
44.	Aggregates (Fine) Crushed Stone Sand, Natural Sand, Crushed Gravel Sand, Binding & Screening Material, Mixed Sand & Manufactured Sand	Water Soluble Chloride Content as Cl	IS: 14959 (P-2): 2001
45.	Aggregates (Fine) Crushed Stone Sand, Natural Sand, Crushed Gravel Sand, Binding & Screening Material, Mixed Sand & Manufactured Sand	Total Sulphate Content as SO ₃	IS: 4032-1985
46.	Bentonite	pH	IS 6186: 2024
47.	Fly Ash	Silica	IS 1727: 1967
48.	Fly Ash	Alumina	IS 1727: 1967
49.	Fly Ash	Available Alkalis as Na ₂ O	IS 4032: 1985
50.	Fly Ash	Calcium Oxide	IS 1727: 1967
51.	Fly Ash	Iron Oxide	IS 1727: 1967

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
52.	Fly Ash	Loss on Ignition	IS 1727: 1967
53.	Fly Ash	Magnesium Oxide	IS 1727: 1967
54.	Fly Ash	Moisture	IS 3812 (P-1): 2013
55.	Fly Ash	Total Chlorides	IS 1727: 1967
56.	Fly Ash	Total Sulphur	IS 1727: 1967
57.	Silica Fume / Micro Silica	Loss on Ignition	IS 1727: 1967
58.	Silica Fume / Micro Silica	Moisture	IS 15388: 2003
59.	Silica Fume / Micro Silica	Silica (SiO ₂ %/Mass)	IS 1727: 1967
60.	Silica Fume / Micro Silica	Total Alkalis (Na ₂ O)	IS 4032: 1985
61.	Gypsum Plaster Board – Plain & Coated/ Laminated	Gypsum (CaSO ₄ .H ₂ O)	IS 1288: 1982
62.	Gypsum Plaster Board – Plain & Coated/ Laminated	Free Water	IS 1288: 1982
63.	Gypsum Plaster Board – Plain & Coated/ Laminated	pH	IS 2720 (P-26): 1987
64.	Gypsum Plaster Board – Plain & Coated/ Laminated	SiO ₂	IS 1288: 1982

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
65.	Gypsum Plaster Board – Plain & Coated/ Laminated	Chloride content	IS 8272: 1984
66.	Plaster of Paris or Gypsum Building Plaster	Calcium Oxide	IS 1288: 1982
67.	Plaster of Paris or Gypsum Building Plaster	Loss On Ignition	IS 2547 (P-1): 1976
68.	Plaster of Paris or Gypsum Building Plaster	Soluble Magnesium salt as MgO	IS 2547 (P-1): 1976
69.	Plaster of Paris or Gypsum Building Plaster	Sulphur Trioxide	IS 2547 (P-1): 1976
70.	Cement	Ratio of % of lime to %of silica alumina and iron oxide %	IS 269:2015
71.	Cement	Ratio of % of alumina to that of iron oxide%	IS 269:2015
72.	Fly Ash	Silicon dioxide (SiO ₂) + aluminium oxide (Al ₂ O ₃) + iron oxide (Fe ₂ O ₃) %	IS 1727: 1967
73.	White Cement Putty	Lead Restriction	ASTM D3335-85a
74.	Water Proofing Compound	Chloride content	IS: 6925

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Corrosion Test		
1.	Metallic Coated Parts (Ferrous & Non-Ferrous)	Salt Spray Test	ASTM G 85 (Annex 1): 2011 / ASTM B 368: 2009 / ASTM B 117: 2019



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metallic Coatings and Treatment solutions		
1.	Galvanized Steel Sheet (Plain and Corrugated/G.I. Wire)	Mass of Zinc Coating	IS 6745: 1972
2.	Metallic Coating (Ferrous & non-ferrous)	Anodic Coating	IS 5523: 1983
3.	Metallic Coating (Ferrous & non-ferrous)	Powder Coating	IS 6012: 1992
4.	Metallic Coating (Ferrous & non-ferrous)	Uniformity of Zinc Coating	IS 2633: 1986



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Resins		
1.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20kg kg and 30 kg Foodgrains	Ash Content	IS 16208 (Annex D): 2015
2.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Ash Content	IS 14968 (Annex D): 2015
3.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Ash Content	IS 14887 (Annex D): 2014
4.	Injection Moulded PVC Fittings	Resistance to sulphuric acid	IS 12235 (Part 7): 2004
5.	Injection Moulded PVC Fittings	Sulphated Ash Content	IS 14735: 1999
6.	Injection Moulded PVC Fittings	Titanium Dioxide content	IS 14735: 1999
7.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints	Effect On water- Other Toxic Substances (Hg, Cd)	IS 7834 (P-1): 1987
8.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints	Effect on Water- Tin (Sn)	IS 7834 (P-1): 1987
9.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints	Effect on water-Lead	IS 7834 (P-1): 1987

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Resins		
10.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints	Opacity test	IS 7834 (P-1): 1987
11.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints	Stress Relief Test	IS 7834 (P-1): 1987
12.	PE Pipe	Toluene Extract in Masterbatch/ Carbon Black	IS 12786: 2024
13.	PE Pipe	Carbon Black Masterbatch – Ash Content	IS 4984: 2016
14.	PE Pipe	PE Compound- Pigment Dispersion	IS 14885: 2022
15.	PE Pipe	PE Compound- Resistant To gas Constituents	IS 14885: 2022
16.	PE Pipe	Susceptibility to Environmental Stress Cracking	IS 12786: 2024
17.	PE Pipe	Thermal Stability to Oxidation	IS 14885: 2022

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Resins		
18.	PE Pipe	Toluene Extract in Masterbatch/ Carbon Black	IS 4984: 2016
19.	PE Pipe	Volatile Matter content	IS 14885: 2022
20.	PE Resin, Carbon Black Masterbatch	Ash Content %	IS:4984: 2016
21.	Plastic and polymer	Antioxidant	IS: 2530: 1963
22.	Plastic Materials / Pipes / Containers / Sheets / Films	Polymer Identification	SOP/CHE-PI/00- CIPET, Issue No. 00: 2021
23.	PP, PE, HDPE, LDPE, ABS, PC, PVC Compound	Ash Content in Plastic	ASTM D 5630: 1994
24.	Resin, Plastic & polymer, Raw Material, Plastic Pipe & Films	Carbon Black Content %	IS 2530: 1963
25.	Resin, Plastic & polymer, Raw Material, Plastic Pipe & Films	Carbon Black Dispersion	IS 2530: 1963

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Resins		
26.	Resin, Plastic & polymer, Raw Material, Plastic Pipe & Films	Volatile Matter	IS:4984: 2016
27.	Resin, Plastic & polymer, Raw Material, Plastic Pipe & Films	Water Content	IS:4984: 2016
28.	Resin, Plastic & polymer, Raw Material, Plastic Pipe & Films	Thermal Stability (Oxidation Induction Time)	IS:4984: 2016
29.	UPVC Pipe	Effect of Sunlight	IS 12235 (Part-13): 2004
30.	UPVC Pipe	Ash Content %	IS 12235 (Part- 17): 2004
31.	UPVC Pipe	Effect on Water - Cadmium (Cd)	IS 12235 (Part 4): 2004
32.	UPVC Pipe	Effect on Water - Lead (Pb)	IS 12235 (Part 4 & 10): 2004
33.	UPVC Pipe	Effect on Water- Mercury (Hg)	IS 12235 (Part 4): 2004

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Resins		
34.	UPVC Pipe	Effect on water- Tin (Sn)	IS 12235 (Part 4): 2004
35.	UPVC Pipe	K Value	IS 4669:2026
36.	UPVC Pipe	Monomer Content (VCM Content)	IS 10151: 2019
37.	UPVC Pipe	Opacity	IS 12235 (Part 3): 2004
38.	UPVC Pipe	Resistance to Di Chloro Methane	IS 12235 (Part 11): 2004
39.	UPVC Pipe	Resistance to Sulphuric Acid	IS 12235 (Part 7): 2004
40.	UPVC Pipe	Sulphated Ash Content	IS 4985: 2021
41.	UPVC Pipe	Titanium di Oxide (TiO ₂)	IS 15328: 2003
42.	UPVC Pipe	Vicat Softening Temperature	IS 15328: 2003
43.	Resin, Plastic & polymer, Raw Material, Plastic Pipes, CPVC & UPVC Pipes	Ash Content	IS 15225: 2002

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Resins		
44.	Resin, Plastic & polymer, Raw Material, Plastic Pipes, CPVC & UPVC Pipes	Chlorine content	IS 15778: 2007 / IS: 4669: 1968 RA 2018
45.	Irrigation Equipment- Polyethylene Pipes for Irrigation Laterals	Higher Olefin constituents in resin	IS 7328:2020
46.	Irrigation Equipment- Polyethylene Pipes for Irrigation Laterals	Maximum Volatile matter in carbon black	IS 12786:2024 (Annexure-B)
47.	Black master batch	Ash content	IS 2530: 2026
48.	Irrigation Equipment Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation systems	Contact with food stuffs, pharmaceuticals and drinking water, (Migration test)	IS 4984: 2016

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
1.	Medium Density Fiber Boards for General Purpose	Formaldehyde Content Test	IS: 12406: 2025
2.	Medium Density Fiber Boards for General Purpose	Formaldehyde Class	Cl.4 of IS 12406:2025
3.	Prelaminated Particle Boards	Formaldehyde Content Test	Cl.9.1 & Table 9 of IS 12823:2025
4.	Medium Density Particle Boards	Formaldehyde content test	IS 3087: 2025
5.	Marine Plywood	Formaldehyde Content Test	Cl.9.11 of IS 710: 2024
6.	Plywood for Concrete Shuttering Works	Formaldehyde content test	Cl. 10.12 of IS 4990:2024
7.	Plywood for General Purpose	Formaldehyde Content Test	Cl.11.6 of IS 303:2024
8.	Veneered Decorative Plywood	Formaldehyde Class	Cl.4.3 of IS 1328:2025
9.	Veneered Decorative Plywood	Formaldehyde Content Test	Cl.11.5 of 1328 :2025
10.	Prelaminated medium density fibre board	Formaldehyde content	C1.9.1& Table 9 of IS 14587: 2025



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1.	Curing Compound	Water Retention properties	ASTM C 309
2.	Curing Compound	Drying time Requirements	ASTM C 309
3.	Curing Compound	Volatile Organic Content	ASTM D 2367/07
4.	Curing Compound	Reflectance	ASTM C 156
5.	Curing Compound	Relative Density at 30°C	IS: 9103 - 1999
6.	Curing Compound	Non-Volatile Matter	ASTM D2369
7.	Admixtures	Air Content	IS 1199 (Part 4):2018
8.	Admixtures	Bleeding	IS 9103: 1999, RA 2018
9.	Admixtures	Compressive Strength	IS 516: 1959, RA 2018
10.	Admixtures	Flow	IS 9103: 1999, RA 2018
11.	Admixtures	Loss of Workability	IS 1199: 1959
12.	Admixtures	Setting Times (Initial and Final)	IS 1199 (Part 7): 20
13.	Admixtures	Water Content	IS 9103: 1999, RA 2018
14.	Coarse Aggregate	Abrasion Value	IS: 2386 (Part 4) : 1963, (RA-2021)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
15.	Coarse Aggregate	Clay Lumps	IS 2386 (Part 2): 1963, (RA- 2021)
16.	Coarse Aggregate	Coal And Lignite	IS 2386 (Part 2): 1963, (RA-2021)
17.	Coarse Aggregate	Combined Flakiness and Elongation Index	IS 2386 (Part 1): 1963, RA 2021
18.	Coarse Aggregate	Crushing Value	IS 2386 (Part 4): 1963 RA-2021
19.	Coarse Aggregate	Elongation Index	IS 2386 (Part 1): 1963 RA-2021
20.	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1): 1963 RA-2021
21.	Coarse Aggregate	Material Finer than 75 microns	IS 2386 (Part 1): 1963 RA-2021
22.	Coarse Aggregate	Polished Stone Value	EN 1097 (Part-8): 2009 / EN 14231: 2003
23.	Coarse Aggregate	Soft Particle	IS 2386 (Part 2): 1963 RA-2021
24.	Coarse Aggregate	Soundness by Na ₂ SO ₄	IS 2386 (Part 5): 1963 RA-2021
25.	Coarse Aggregate	Soundness by MgSO ₄	IS 2386 (Part 5): 1963 RA-2021
26.	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3):1963 RA-2021
27.	Coarse Aggregate	Surface Moisture	IS: 2386 (Part-3): 1963 RA-2021
28.	Coarse Aggregate	Ten Percent Fines Value	IS 2386 (Part 4): 1963 RA-2021
29.	Coarse Aggregate	Water Absorption	IS 2386 (Part 3): 1963 RA-2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
30.	Coarse Aggregate	Petrography Test	IS 2386 (Part 8): 1963 RA-2021
31.	Fine Aggregate	Bulking of Sand	IS: 2386 (Part-3): 1963 RA-2021
32.	Fine Aggregate	Clay Lumps	IS 2386 (Part 2): 1963 RA-2021
33.	Fine Aggregate	Coal And Lignite	IS 2386 (Part 2):1963 RA-2021
34.	Fine Aggregate	Material Finer than 75 microns	IS 2386 (Part 1):1963 RA-2021
35.	Fine Aggregate	Organic Impurities	IS 2386 (Part 2): 1963 RA-2021
36.	Fine Aggregate	Silt Content	CPWD Specification Vol. 1 "2019, Appendix-C, Clause 3.1.3.2/IS 2386 (Part 2): 1963 RA-2021
37.	Fine Aggregate	Soundness by Na ₂ SO ₄	IS 2386 (Part 5): 1963 RA-2021
38.	Fine Aggregate	Soundness by MgSO ₄	IS 2386 (Part 5): 1963 RA-2021
39.	Fine Aggregate	Specific Gravity	IS 2386 (Part 3):1963 RA-2021
40.	Fine Aggregate	Water Absorption	IS 2386 (Part 3): 1963 RA-2021
41.	Fine Aggregates	Sand Equivalent Value	IS 2720 (P-37): 1976 RA 2021
42.	Fine Aggregate	Petrography Test	IS 2386 (Part 8): 1963 RA-2021
43.	Fine Aggregate	Fineness Modulus	ASTM C -136 (Cl.9.2)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
44.	Bituminous Mix	Indirect Tensile Strength Ratio	ASTM D6931: 2017
45.	Paving Bitumen	Flash Point	IS 1209: 2021
46.	Paving Bitumen	Flash Point	IS 1448 (Part 69): 2019 RA 2024
47.	Paving Bitumen	Penetration	IS 1203: 2022
48.	Paving Bitumen	Softening Point	IS 1205: 2022
49.	Paving Bitumen	Solubility in Trichloroethylene	IS 1216: 2023
50.	Paving Bitumen	Specific Gravity	IS 1202: 2021
51.	Pulverized fuel ash lime brick	Dimensions- Height	IS 12894: 2002 RA 2022
52.	Pulverized fuel ash lime brick	Dimensions- Length	IS 12894: 2002 RA 2022
53.	Pulverized fuel ash lime brick	Dimensions- Width	IS 12894: 2002 RA 2022
54.	Pulverized Fuel Ash Lime Bricks	Dimensions- Height	IS 13757: 1993 RA 2021
55.	Pulverized Fuel Ash Lime Bricks	Dimensions- Length	IS 13757: 1993 RA 2021
56.	Pulverized Fuel Ash Lime Bricks	Dimension- width	IS 13757: 1993 RA 2021
57.	Burnt Clay Bricks	Dimensions- Length	IS 1077: 2025
58.	Burnt Clay Bricks	Dimensions- Height	IS 1077: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
59.	Burnt Clay Bricks	Dimensions- Width	IS 1077: 2025
60.	Burnt Clay Bricks/ Burnt Clay Fly Ash/ Pulverized Fuel Ash Lime Bricks	Compressive Strength	IS 3495 (Part 1): 2019
61.	Burnt Clay Bricks/ Burnt Clay Fly Ash/ Pulverized Fuel Ash Lime Bricks	Efflorescence	IS 3495 (Part 3):2019
62.	Burnt Clay Bricks/ Burnt Clay Fly Ash/ Pulverized Fuel Ash Lime Bricks	Water Absorption	IS 3495 (Part 2): 2019
63.	Concrete Paving Blocks	Abrasion Resistance	IS 15658: 2021
64.	Concrete Paving Blocks	Aspect Ratio (L/T)	IS 15658: 2021
65.	Concrete Paving Blocks	Deviation from Squareness	IS 15658: 2021
66.	Concrete Paving Blocks	Flexural Strength /Breaking Load	IS 15658: 2021
67.	Concrete Paving Blocks	Freeze thaw Durability	IS 15658: 2021
68.	Concrete Paving Blocks	Plan Area	IS 15658: 2021
69.	Concrete Paving Blocks	Quality and Finish	IS 15658: 2021
70.	Concrete Paving Blocks	Thickness of wearing layer	IS 15658: 2021
71.	Concrete Paving Blocks	Visual Inspection	IS 15658: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
72.	Concrete Paving Blocks	Length	IS:15658 -2021
73.	Concrete Paving Blocks	Width	IS:15658 -2021
74.	Concrete Paving Blocks	Thickness	IS:15658 -2021
75.	Concrete Paving Blocks	Arris/ Chamfer	IS:15658 -2021
76.	Concrete Paving Blocks	Ratio of wearing face area and plan area	IS:15658 -2021
77.	Concrete Paving Blocks	Water Absorption	IS:15658 -2021
78.	Concrete Paving Blocks	Compressive strength	IS:15658 -2021
79.	Masonry Units- Autoclaved Cellular Aerated Concrete Blocks	Drying Shrinkage	IS 6441 (Part 2): 1972 RA 2022
80.	Masonry Units- Autoclaved Cellular Aerated Concrete Blocks/ Thermal Insulated Materials	Thermal Conductivity	IS 2185 (Part 3) 1994 RA 2020/ IS 3346: 1980 RA 2022
81.	Building Lime	Compressive Strength at 14 Days	IS 6932(P-7): 1973 RA 2019
82.	Building Lime	Compressive Strength at 28 Days	IS: 6932(P-7): 1973RA 2019
83.	Building Lime	Setting Time Final	IS:6932(P-11): 1983 RA 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
84.	Building Lime	Fineness- Residue of 2.36 mm IS Sieve	IS:6932(P-4): 1973 RA 2019
85.	Building Lime	Fineness- Residue of 212 micron IS Sieve	IS 6932(P-4): 1973 RA 2019
86.	Building Lime	Fineness- Residue of 300 micron IS Sieve	IS: 6932(P-4): 1973 RA 2019
87.	Building Lime	Initial Setting Time	IS:6932(P-11): 1983 RA 2019
88.	Building Lime	Popping & Pitting	IS: 6932(P-10): 1973 RA 2019
89.	Building Lime	Residue of slaking- Residue on 300-micron Sieve	IS: 6932(P-3): 1973 RA 2019
90.	Building Lime	Residue of slaking- Residue on 850-micron Sieve	IS: 6932(P-3): 1973 RA 2019
91.	Building Lime	Soundness, Le Chatelier expansion	IS: 6932(P-9): 1973 RA 2019
92.	Building Lime	Transverse Strength	IS: 6932(P-7): 1973 RA 2019
93.	Building Lime	Volume Yield	IS: 6932(P-6): 1973 RA 2019
94.	Building Lime	Workability	IS: 6932(P-8): 1973 RA 2019
95.	Cement (OPC, PPC, PSC)	Consistency	IS 4031 (Part 4): 1988 RA 2019
96.	Cement (OPC, PPC, PSC)	Density	IS 4031 (part 11): 1988 RA 2019
97.	Cement (OPC, PPC, PSC)	Soundness By Autoclave	IS 4031 (Part 3): 1988 RA 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
98.	Cement (OPC, PPC, PSC)	Soundness By Le-Chatelier's Method	IS 4031 (Part 3): 1988 RA 2019
99.	Cement (PPC)	Drying Shrinkage	IS 4031 (part-10): 1988 RA 2019
100.	Composite Cement	Consistency	IS 4031(P-4): 1988 RA 2019
101.	Composite Cement	Density	IS 4031(P-11): 1988 RA 2019
102.	Composite Cement	Drying Shrinkage	IS 4031 (P-10): 1988 RA 2019
103.	Composite Cement	Setting Time Final	IS 4031(P-5): 1988 RA 2019
104.	Composite Cement	Fineness of Blaine's Air Permeability	IS 4031 (P-2): 1999 RA 2018
105.	Composite Cement	Setting Time Initial	IS 4031 (P-5): 1988 RA 2019
106.	Composite Cement	Soundness By Autoclave Method	IS 4031 (P-3): 1988 RA 2019
107.	Composite Cement	Soundness By Le-Chatelier's Method	IS 4031 (P-3): 1988 RA 2019
108.	Hydraulic Cement	Compressive Strength	IS 4031 (P-6): 1988 RA 2019
109.	Hydraulic Cement	Consistency	IS 4031 (P-2):1999 RA 2018
110.	Hydraulic Cement	Fineness	IS 4031 (P-6):1988 RA 2019
111.	Hydraulic Cement	Setting Time (Initial)	IS 4031 (P-5): 1988 RA 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
112.	Hydraulic Cement	Setting Time (Final)	IS 4031 (P-5): 1988 RA 2019
113.	Hydraulic Cement	Soundness By Le-Chatelier	IS 4031 (P-3): 1988 RA 2019
114.	Hydraulic Cement	Soundness By Autoclave	IS 4031 (P-3): 1988 RA 2019
115.	Hardened Concrete	Compressive Strength by ACT Method	IS 9013: 1978 RA 2018
116.	Hardened Concrete	Compressive Strength- Cube	IS 516: 1959
117.	Hardened Concrete	Density	IS 516 (P-2/Sec-1): 2018 RA 2023
118.	Hardened Concrete	Depth of Water Penetration Under pressure	IS 516 (P-2/Sec-1): 2018 RA 2023
119.	Hardened Concrete	Drying Shrinkage	IS 516(P-6): 2020
120.	Hardened Concrete	Flexural Strength	IS 516: 1959
121.	Hardened Concrete	Flexural Strength	IS 516(P-1/Sec- 1): 2021
122.	Hardened Concrete	Moisture Movement	IS 516(P-6): 2020
123.	Hardened Concrete	Pull Out Test	IS 2770 (Part 1): 1967 RA 2022
124.	Hardened Concrete	Split Tensile Strength	IS 516(P-1/Sec- 1): 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
125.	Fly Ash	Compressive Strength	IS 1727: 1967, (RA 2018)
126.	Fly Ash	Drying Shrinkage	IS 1727: 1967, (RA 2018)
127.	Fly Ash	Fineness Of Blaine's Air Permeability	IS 1727: 1967, (RA 2018)
128.	Fly Ash	Lime Reactivity	IS 1727: 1967, (RA 2018)
129.	Fly Ash	Retained on 45 micron IS Sieve	IS 1727: 1967, (RA 2018)
130.	Fly Ash	Soundness By Autoclave	IS 4031 (part 3):1988 RA 2019
131.	Fly Ash	Specific Gravity	IS 1727: 1967, (RA 2018)
132.	Abrasive Powder	Grain Size Analysis	IS 1237: 2012 RA 2022
133.	Abrasive Powder	Shape and size	IS 1237: 2012 RA 2022
134.	Abrasive Powder	Specific Gravity	IS: 1122: 2023
135.	Adhesives for Use with Ceramic, Mosaic and Stone Tiles	Deformability	IS 15477: 2019
136.	Adhesives for Use with Ceramic, Mosaic and Stone Tiles	Shear Adhesive Strength	IS 15477: 2019
137.	Adhesives for Use with Ceramic, Mosaic and Stone Tiles	Slip Test	IS 15477: 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
138.	Adhesives for Use with Ceramic, Mosaic and Stone Tiles	Marking	IS 15477: 2019
139.	Adhesives for Use with Ceramic, Mosaic and Stone Tiles	Tensile Adhesive Strength	IS 15477: 2019
140.	Bentonite	Density	IS: 2720 (Part-3): 1980
141.	Bentonite	Free Swell Index	IS: 2720 (Part-40): 1977 RA 2021
142.	Bentonite	Gel Formation Index	IS: 6186: 1986 RA 2024
143.	Bentonite	Liquid Limit	IS: 2720 (Part-5): 1985 RA 2020
144.	Bentonite	Marsh Cone Viscosity	ASTM D6910: 2019
145.	Bitumen Emulsion	Coagulation of Emulsion	IS 8887: 2018
146.	Bitumen Emulsion	Ductility	IS 1208 (P-1)-2023
147.	Bitumen Emulsion	Miscibility with Water	IS 8887: 2018
148.	Bitumen Emulsion	Particle Charge	IS 8887: 2018
149.	Bitumen Emulsion	Penetration Test	IS 1203: 2022
150.	Bitumen Emulsion	Residue by Evaporation	IS 8887: 2018
151.	Bitumen Emulsion	Residue on 600-micron Sieve	IS 8887: 2018
152.	Bitumen Emulsion	Solubility In Trichloroethylene	IS 1216: 2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
153.	Bitumen Emulsion	Stability to Mixing with Cement	IS 8887: 2018
154.	Bitumen Emulsion	Storage Stability after 24h	IS 8887: 2018
155.	Bitumen Saturated Felts and Woven Fabrics for Roofing and Waterproofing	Tensile strength, L&T Direction	ASTM D 146, IS 13826: 2004
156.	Bitumen Mix Material (BM/DBM/BC)	Bitumen Content	IRC SP-11 / ASTM D 2172: 1988
157.	Bitumen Mix Material (BM/DBM/BC)	Combined Elongation and Flakiness	IS 2386 (P-1):1963 RA 2021
158.	Bitumen Mix Material (BM/DBM/BC)	Flow Value	ASTM D-6927: 2015
159.	Bitumen Mix Material (BM/DBM/BC)	Impact Test	IS 2386 (P-4): 1963 RA 2021
160.	Bitumen Mix Material (BM/DBM/BC)	Los Angeles Abrasion	IS 2386 (P-4): 1963 RA 2021
161.	Bitumen Mix Material (BM/DBM/BC)	Marshall Stability	ASTM D-6927: 2015
162.	Bitumen Mix Material (BM/DBM/BC)	Stripping Value	IS 6241: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
163.	Bitumen Mix Material (BM/DBM/BC)	Theoretical Maximum Specific Gravity	ASTM D 2041: 2019
164.	Bitumen Mix Material (BM/DBM/BC)	Gradation (Grain Size Analysis)	IS 2720 (P-4): 1985 RA 2020
165.	Bituminous Mix Material (BM/DBM/BC)	Density	ASTM D 2726:2010
166.	Concrete Cube, Core, Beam	Drying Shrinkage	IS: 516 (Part-6):2020
167.	Concrete Cube, Core, Beam	Moisture Movement	IS: 516 (Part-6):2020
168.	Concrete Cube, Core, Beam	Rapid Chloride Ion Permeability Test	ASTM C 1202: 2017
169.	Concrete Cube, Core, Beam	Surface Water Absorption	IS: 516 (Part-2 / Sec-2): 2022
170.	Concrete Cube, Core, Beam	Water Permeability Test	IS: 516 (Part-2 / Sec-1): 2018
171.	Concrete Cube, Core, Beam	Water Permeability Test	DIN1048 (Part- 5): 1997
172.	DBM/BC/PC/BM	Bitumen Content	ASTM D2172: 2005
173.	Grout /GP-2	Consistency	IS 4031(P-4): 1988 RA 2019
174.	Grout/GP-2	Compressive Strength	ASTM C 109: 2002
175.	Grout/GP-2	Setting Time Final	IS 4031(P-5): 1988 RA 2019

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
176.	Grout/GP-2	Setting Time Initial	IS 4031 (P-5): 1988 RA 2019
177.	Grouts for Filling of Joints of Tiles and Stones	Abrasion Resistance	IS 17190: 2020
178.	Grouts for Filling of Joints of Tiles and Stones	Chemical Resistance	IS 17190: 2020
179.	Grouts for Filling of Joints of Tiles and Stones	Compressive Strength	IS 17190: 2020
180.	Grouts for Filling of Joints of Tiles and Stones	Flexural Strength	IS 17190: 2020
181.	Grouts for Filling of Joints of Tiles and Stones	Linear Shrinkage	IS 17190: 2020
182.	Grouts for Filling of Joints of Tiles and Stones	Transverse Deformation	IS 17190: 2020
183.	Grouts for Filling of Joints of Tiles and Stones	Water Absorption after 240 minutes	IS 17190: 2020
184.	Grouts for Filling of Joints of Tiles and Stones	Water absorption after 30 minutes	IS 17190: 2020
185.	Manhole Cover / Drain Cover	Dimension	IS: 12592: 2002 RA 2018
186.	Manhole Cover / Drain Cover	Load Test	IS: 12592: 2002 RA 2018
187.	Paving Bitumen	Absolute viscosity	IS 1206(P-2): 2022
188.	Paving Bitumen	Ductility Test	IS 1206(P-1): 2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
189.	Paving Bitumen	Kinematic Viscosity	IS 1206 (P-3):2021
190.	Gypsum Plaster, Concrete and Products	Expansion on setting	IS:2542 (Part-1) (sec-9) 2023
191.	Gypsum Plaster, Concrete and Products	Mechanical Resistance of set neat plaster	IS:2542 (Part-1) (sec-7) 2023
192.	Gypsum Plaster, Concrete and Products	Residue on 150 micron IS sieve	IS:2542 (Part-1) (sec-8) 2023
193.	Gypsum Plaster, Concrete and Products	Setting Time	IS:2542 (Part-1) (sec-3) 2023
194.	Gypsum Plaster, Concrete and Products	Soundness	IS:2542 (Part-1) (sec-6) 2023
195.	Gypsum Plaster, Concrete and Products	Transverse Strength	IS:2542 (Part-1) (sec-4) 2023
196.	Polymer and Rubber Modified Bitumen CRMB/PMB/NRMB	Softening point	IS 1205: 2022
197.	Polymer and Rubber Modified Bitumen CRMB/PMB/NRMB	Flash Point	IS 1209: 2021
198.	Polymer and Rubber Modified Bitumen CRMB/PMB/NRMB	Elastic Recovery of Half thread in Ductilimeter	IS 17079: 2019

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
199.	Polymer and Rubber Modified Bitumen CRMB/PMB/NRMB	Elastic Recovery of Half Thread in Ductilimeter After Thin Film Oven	IS 17079: 2019
200.	Polymer and Rubber Modified Bitumen CRMB/PMB/NRMB	Penetration	IS 1203: 2022
201.	Polymer and Rubber Modified Bitumen CRMB/PMB/NRMB	Separation, Difference in Softening Point	IS 17079: 2019
202.	Polymer and Rubber Modified Bitumen CRMB/PMB/NRMB	Solubility In Trichloroethylene	IS 1216: 2023
203.	Polymer and Rubber Modified Bitumen CRMB/PMB/NRMB	Viscosity at 150 Degree Celsius	IS 1206 (Part 3):2021
204.	Precast Concrete Manhole Cover and Frame	Dimensions	IS 12592: 2002 RA 2018
205.	Precast Concrete Manhole Cover and Frame	Load Test	IS 12592: 2002 RA 2018
206.	Water Proofing Compound	Compressive Strength	IS: 4031 (Part-6): 1988 RA 2019
207.	Water Proofing Compound	Setting Time Final	IS: 4031 (Part-5): 1988 RA 2019
208.	Water Proofing Compound	Setting Time Initial	IS: 4031 (Part-5): 1988 RA 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
209.	Water Proofing Compound	Water Permeability Test	IS: 2645: 2003 RA 2022
210.	White Cement Based Polymeric Putty	Cement Content	Annex B of IS: 5410-2013 RA 2018
211.	White Cement Based Polymeric Putty	Degree of Whiteness	Annex B of IS: 8042 - 2015
212.	White Cement Based Polymeric Putty	Setting Time Final	IS 17545: 2021
213.	White Cement Based Polymeric Putty	Setting Time Initial	IS 17454: 2021
214.	White Cement Based Polymeric Putty	Polymer Content	IS 17545: 2021
215.	White Cement Based Polymeric Putty	Tensile adhesion Strength at 14 Days	IS 17545: 2021
216.	White Cement Based Polymeric Putty	Water Retentivity	IS 17545: 2021
217.	Micro Silica/Silica Fume	Compressive Strength	IS 1727: 1967, RA 2018
218.	Micro Silica/Silica Fume	Sieve Analysis at 45 Micron	IS 1727: 1967, RA 2018
219.	Micro Silica/Silica Fume	Specific surface	IS 15388:2003 RA 2022 (BET method)
220.	Cement Concrete Tiles	Dimensions (Length)	IS 1237: 2012, RA 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
221.	Cement Concrete Flooring Tiles	Dimensions (Width)	IS 1237: 2012 (RA 2022)
222.	Cement Concrete Flooring Tiles	Dimensions (Thickness)	IS 1237: 2012, (RA 2022)
223.	Cement Concrete Flooring Tiles	Flatness of the Tile Surface	IS 1237: 2012, (RA 2022)
224.	Cement Concrete Flooring Tiles	Perpendicularity	IS 1237: 2012, (RA 2022)
225.	Cement Concrete Flooring Tiles	Resistance to wear	IS 1237: 2012, (RA 2022)
226.	Cement Concrete Flooring Tiles	Straightness	IS 1237: 2012, (RA 2022)
227.	Cement Concrete Flooring Tiles	Thickness Of Wearing Layer	IS 1237: 2012, (RA 2022)
228.	Cement Concrete Flooring Tiles	Water Absorption	IS 1237: 2012, (RA 2022)
229.	Cement Concrete Flooring Tiles	Wet Transverse Strength	IS 1237: 2012, (RA 2022)
230.	Ceramic Tiles	Breaking Strength	IS 13630 (Part 6): 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
231.	Ceramic Tiles	Crazing Resistance of Glazed Tile	IS: 13630 (Part- 9): 2019
232.	Ceramic Tiles	Dimensions (Length, Width and Thickness, Surface Quality, Flatness, Rectangularity, straightness)	IS 13630 (part-1): 2019
233.	Ceramic Tiles	Modulus of Rupture	IS 13630 (Part6): 2019
234.	Ceramic Tiles	Moisture Expansion using Boiling Water	IS: 13630 (Part-3): 2019
235.	Ceramic Tiles	Scratch Hardness	IS 13630 (Part13): 2019
236.	Ceramic Tiles	Water Absorption	IS 13630 (Part2): 2019
237.	Chequered Cement Concrete Tiles	Resistance to wear	IS 13801: 2013, (RA 2018)
238.	Chequered Cement Concrete Tiles	Dimensions (Thickness)	IS 13801: 2013, (RA 2018)
239.	Chequered Cement Concrete Tiles	Dimensions (Length)	IS 13801: 2013, (RA 2018)
240.	Chequered Cement Concrete Tiles	Dimensions (Width)	IS 13801: 2013, (RA 2018)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
241.	Chequered Cement Concrete Tiles	Fitness of the Tile Surface	IS 13801: 2013, (RA 2018)
242.	Chequered Cement Concrete Tiles	Perpendicularity	IS 13801: 2013, (RA 2018)
243.	Chequered Cement Concrete Tiles	Straightness	IS 13801: 2013, (RA 2018)
244.	Chequered Cement Concrete Tiles	Thickness Of Wearing Layer	IS 13801: 2013, (RA 2018)
245.	Chequered Cement Concrete Tiles	Water Absorption	IS 13801: 2013, (RA 2018)
246.	Chequered Cement Concrete Tiles	Wet Transverse Strength	IS 13801: 2013, (RA 2018)
247.	Gypsum Plaster Boards – Plain & Coated/Laminated	Dimension- Length/Width/Thickness	IS 2095 (P-1): 2023 & IS 2095 (P-2): 2022
248.	Gypsum Plaster Boards – Plain & Coated/Laminated	Density	IS 2095 (P-1): 2023
249.	Gypsum Plaster Boards – Plain & Coated/Laminated	Flexural Breaking Load	IS 2095 (P-1): 2023
250.	Gypsum Plaster Boards – Plain	Impact resistance	IS 2095 (P-1): 2023
251.	Gypsum Plaster Boards – Plain	Surface Hardness	IS 2095 (P-1): 2023
252.	Gypsum Plaster Boards – Plain	Water Absorption	IS 2095 (P-1): 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
253.	Gypsum Plaster Boards – Plain & Coated/Laminated	Finish	IS 2095 (P-1): 2023 & IS 2095 (P-2): 2022
254.	Safety Glass (Flat/Toughened)	Dimension & Squareness	IS: 2553 (P-1) 2018
255.	Safety Glass (Flat/Toughened)	Thickness	IS: 17004 – 2018 RA 2024
256.	Safety Glass (Flat/Toughened)	Fragmentation Test	IS: 17004 – 2018 RA 2024
257.	Safety Glass (Flat/Toughened)	Flatness	IS: 17004 – 2018 RA 2024
258.	Safety Glass (Flat/Toughened)	Resistance to shock	IS: 17004 – 2018 RA 2024
259.	Concrete Hollow/Solid Block	Compressive Strength	IS 2185 (P-1) 2005 RA 2020 (Annex-D)
260.	Concrete Hollow/Solid Block	Density	IS 2185 (P-1) 2005 RA 2020 (Annex-C)
261.	Concrete Hollow/Solid Block	Dimension-Height	IS 2185(P-1), 2005 RA 2020 Annex-C
262.	Concrete Hollow/Solid Block	Dimension-Length	IS 2185(P-1) 2005 RA 2020 Annex-C
263.	Concrete Hollow/Solid Block	Dimension-Width	IS 2185(P-1) 2005 RA 2020 Annex-C
264.	Concrete Hollow/Solid Block	Water Absorption	IS 2185 (P-1) 2005 RA 2020 Annex-E
265.	Concrete Fresh (Design Mix)	Slump	IS 9103 – 1999 RA 2018, IS 1199: 2018
266.	Concrete Fresh (Design Mix)	Compressive Strength	IS 516 P-1/Sec-1:2021
267.	Concrete Fresh (Design Mix)	Compressive Strength	IS 516: 1959, (RA 2018)
268.	AAC Block Adhesive	Bulk Density	IS 2386 (P-3): 1963 RA 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
269.	AAC Block Adhesive	Compressive Strength	IS: 2250 1981 RA 2020
270.	AAC Block Adhesive	Open Time	IS 15477: 2019
271.	AAC Block Adhesive	Split Tensile Strength	ASTM C-1660
272.	Coarse/Fine Aggregate	Petrography	IS:2386 (Part-8) 1963 RA 2021
273.	Fine Aggregate	Fineness Modulus	ASTM C -136 (Cl.9.2)
274.	Sewer Brick	Dimension height	IS 4885: 1988 RA 2020
275.	Sewer Brick	Dimension length	IS 4885: 1988 RA 2020
276.	Sewer Brick	Dimension width	IS 4885: 1988 RA 2020
277.	Sewer Brick	Efflorescence	IS 3495 (P-3) 2019
278.	Sewer Brick	Water absorption	IS 3495 (P-2) 2019
279.	Sewer Brick	Compressive strength	IS 3495 (P-1) 2019
280.	Unglazed ceramic vitreous acid resistance tile	Breaking strength	IS 4457 – 2007 RA 2022
281.	Unglazed ceramic vitreous acid resistance tile	Dimension (length, width, thickness)	IS 4457 – 2007 RA 2022
282.	Unglazed ceramic vitreous acid resistance tile	Modulus of rupture	IS 4457 – 2007 RA 2022
283.	Unglazed ceramic vitreous acid resistance tile	Water absorption	IS 4457 – 2007 RA 2022

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
284.	Unglazed ceramic vitreous acid resistance tile	Resistance to chemicals	IS 4457 – 2007 RA 2022
285.	Unglazed ceramic vitreous acid resistance tile	Resistance to concentrated HNO ₃ & H ₂ SO ₄	IS 4457 – 2007 RA 2022
286.	Kerb Stone	Bending strength	IS 5758 - 2020
287.	Kerb Stone	Dimensions	IS 5758 - 2020
288.	Kerb Stone	Water absorption	IS 5758 - 2020
289.	Hardened Concreted (Core, Cube)	Compressive Strength	IS 516(P-4)-2018, Is 516(P-1/Sec1)-2021
290.	Aggregate (Coarse & Fine)	Bulk Density	IS 2386(P-3)-1963
291.	Aggregate (Coarse)	Impact Value	IS 2386(P-4)-1963
292.	Aggregate (Coarse & Fine)	Sieve Analysis	IS 2386(P-1)-1963
293.	Cement (OPC/PPC/PSC)	Setting Time	IS 4031(P-5)-1988
294.	Cement (OPC/PPC/PSC)	Compressive Strength	IS 4031(P-6)-1988
295.	Cement (OPC/PPC/PSC)	Fineness of Blaines Air Permeability	IS 4031(P-2)-1999
296.	Adhesives for Use with Ceramic, Mosaic and Stone Tiles	Open Time	IS 15477-2019
297.	Adhesives for Use with	Adjustment Time	IS 15477-2019

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
	Ceramic, Mosaic and Stone Tiles		
298.	Masonry Units- Autoclaved Cellular Aerated Concrete Blocks	Dimension (Length, Width, Height)	IS 2185(P-3)-1984
299.	Masonry Units- Autoclaved Cellular Aerated Concrete Blocks	Block Density	IS 6441(P-1)-1972
300.	Masonry Units- Autoclaved Cellular Aerated Concrete Blocks	Compressive Strength	IS 6441(P-5)-1972
301.	Kerb Stone	Shape and dimensions	IS: 5758:2020 Clause 4.2
302.	Kerb Stone	Manufacturing of Units	IS: 5758:2020 Clause 4.4
303.	Kerb Stone	End Treatment	IS: 5758:2020 Clause 4.6
304.	Kerb Stone	Designation and Size	IS: 5758:2020 Clause 5
305.	Kerb Stone	General	IS: 5758:2020 Clause 9.1
306.	Kerb Stone	Retests	IS: 5758:2020 Clause 12
307.	Kerb Stone	Flatness and Straightness, mm	IS: 5758:2020 Clause 6.2

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
308.	Kerb Stone	Marking	IS: 5758:202 Clause 15
309.	Grouts for Filling of Joints of Tiles and Stones	Packing	IS 17190:2020 Clause 6
310.	Grouts for Filling of Joints of Tiles and Stones	Marking	IS 17190:2020 Clause 7.1
311.	Adhesives for Use with Ceramic, Mosaic and Stone Tiles	Classification	IS: 15477-2019 Clause No. 4.0
312.	Concrete Paving Blocks	Bonding Demarcation	IS: 15658-2021 Clause No.6.3
313.	Concrete Paving Blocks	Colour and texture	IS: 15658-2021 Clause No.7.1.3
314.	Concrete Paving Blocks	Wearing Face Area, m ² (Asw)	IS:15658 -2021, Annex B Clause 7.2
315.	Concrete Paving Blocks	Tensile Splitting Strength, MPa	IS:15658 -2021, Annex F Clause 7.3
316.	Concrete Paving Blocks	Failure load per unit length, N/mm	IS:15658 -2021, Annex F Clause 7.3
317.	Concrete Paving Blocks	General quality.	IS15658:2021 with Amd – 1 clause – 7.1.1
318.	Masonry Units- Autoclaved	Dimensions And Tolerances	IS: 2185(P-3)-1984

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
	Cellular Aerated Concrete Blocks/ Thermal Insulated Materials		Clause No.3 &3.1
319.	Masonry Units- Autoclaved Cellular Aerated Concrete Blocks/ Thermal Insulated Materials	Dimensions And Tolerances	IS: 2185(P-3)-1984 Clause No.3 & 3.3
320.	Masonry Units- Autoclaved Cellular Aerated Concrete Blocks/ Thermal Insulated Materials	Marking	IS: 2185(P-3)-1984 & Clause No.15.0 &15.1
321.	Masonry Units- Autoclaved Cellular Aerated Concrete Blocks/ Thermal Insulated Materials	Surface Texture and Finish	IS: 2185(P-3)-1984 Clause No. 7.1
322.	Masonry Units- Autoclaved Cellular Aerated Concrete Blocks/ Thermal Insulated Materials	Surface Texture and Finish	IS: 2185(P-3)-1984 Clause No. 7.2
323.	Masonry Units- Autoclaved Cellular Aerated Concrete Blocks/ Thermal Insulated Materials	General	IS: 2185(P-3)-1984 Clause No. 8.1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
324.	White Cement Putty	Form and condition	IS 17545-2021
325.	White Cement Putty	Consistency	IS 17545-2021



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil & Rock		
1.	Soil	California Bearing Ratio (For Unsoaked Condition)	IS 2720 (Part 16): 1987 RA 2021
2.	Soil	California Bearing Ratio (For Soaked Condition)	IS 2720 (Part 16): 1987 RA 2021
3.	Soil	Grain Size Analysis (63 to 0.075 mm size)	IS 2720 (Part 4): 1985 RA 2020
4.	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8): 1983 RA 2020
5.	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8): 1983 RA 2020
6.	Soil	Light Compaction (MDD)	IS 2720 (Part 7): 1980 (RA 2021)
7.	Soil	Light Compaction (OMC)	IS 2720 (Part 7): 1980, (RA 2021)
8.	Soil	Liquid Limit	IS 2720 (Part 5): 1985 RA 2020
9.	Soil	Plastic Limit	IS 2720 (Part 5): 1985 RA 2020
10.	Soil	Specific Gravity	IS 2720 (Part3/Sec1): 1980 RA 2021
11.	Soil	Unconfined Compressive Strength	IS 2720 (Part-10): 1991 RA 2020
12.	Soil	Water Content by Oven Drying	IS 2720 (Part 2): 1983 RA 2020
13.	Soil, Fly Ash, GSB, WBM, WMM, Blanketing Material	Direct shear test Cohesion intercept C Value Internal friction f value	IS 2720 (P-13): 1986, RA 2021
14.	Soil, Fly Ash, GSB, WBM, WMM, Blanketing Material	Free Swell Index	IS: 2720 (Part-40): 1977 RA 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil & Rock		
15.	Soil, Fly Ash, GSB, WBM, WMM, Blanketing Material	Permeability Test (K- value Test)	IS: 2720 (Part-36): 1987 RA 2021
16.	Bentonite	Moisture Content	IS 6186: 1986 RA 2024
17.	Bentonite	Sand Content	IS 6186: 1986 RA 2024
18.	Bentonite	Swe ling Power	IS 6186: 1986 RA 2024
19.	GSB/WMM/WBM/CRM	Flakiness Index	IS 2386 (P-1): 1963, RA 2021
20.	GSB/WMM/WBM/CRM	Grain Size Analysis	IS 2386 (P-1): 1963, RA 2021
21.	GSB/WMM/WBM/CRM	Impact Value	IS 2386 (P-4): 1963, RA 2021
22.	GSB/WMM/WBM/CRM	Liquid Limit	IS 2720 (P-5): 1985, RA 2020
23.	GSB/WMM/WBM/CRM	Loss Angles Abrasion Value	IS 2386 (P-4): 1963, RA 2021
24.	GSB/WMM/WBM/CRM	Maximum Dry Density	IS 2720 (P-8): 1980, RA 2020
25.	GSB/WMM/WBM/CRM	Optimum Moisture Content	IS 2720 (P-8): 1980, RA 2020
26.	GSB/WMM/WBM/CRM	Plastic Limit	IS 2720(P-5): 1985, RA 2020
27.	GSB/WMM/WBM/CRM	Water Absorption	IS 2386 (P-3): 1963, RA 2021
28.	GSB/WMM/WBM/CRM	C.B.R	IS 2720 (P-16): 1987, (RA 2021)
29.	GSB/WMM/WBM/CRM	Elongation Index (Max. size 50 mm)	IS 2386 (P-1): 1963, RA 2021
30.	Soil	Dry Density of Soil (By Core Cutter method)	IS 2720 (P-29): 1975, RA 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil & Rock		
31.	Soil	Standard Penetration Test (Soil Investigation Test)	IS 2131: 1981 RA 2021
32.	Soil	Plate Load Test	IS 1888: 1982, RA 2021
33.	SOIL/GSB/WMM/WBM	Dry Density of Soil (By Sand replacement Method)	IS 2720 (P-28): 1974, RA 2020
34.	Natural Building Stone (Marble/Granite/Stone)	Apparent Porosity	IS 1124: 1974, (RA 2017)
35.	Natural Building Stone (Marble/Granite/Stone)	Compressive Strength	IS 1121 (Part 1): 2023
36.	Natural Building Stone (Marble/Granite/Stone)	Dry Density	IS 13030: 1991, RA 2021
37.	Natural Building Stone (Marble/Granite/Stone)	Moh's Hardness	IS 13630 (P-13): 2019
38.	Natural Building Stone (Marble/Granite/Stone)	Moisture Content	IS 13030: 1991, RA 2021
39.	Natural Building Stone (Marble/Granite/Stone)	Specific Gravity	IS 1122: 2023
40.	Natural Building Stone (Marble/Granite/Stone)	Water Absorption / Moisture Absorption	IS 1124: 1974, (RA 2017)
41.	Rock / Natural Stone	Durability	IS: 1126: 2013 RA 2023
42.	Rock / Natural Stone	Resistance to wear	IS: 1706:2024
43.	Rock / Natural Stone	Transverse Strength	IS: 1122 (Part-2): 2013

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
1.	Geotextile/ Geo Composite/ Geogrid/ Geostrap	Mass Per Unit Area	ASTM D5261-10:2024
2.	Geotextile/ Geo Composite/ Geogrid/ Geostrap	Thickness	EN ISO 9863-1:2016
3.	Geotextile/ Geo Composite/ Geogrid/ Geostrap	Tensile Strength	EN ISO 10319:2024
4.	Geotextile/ Geo Composite/ Geogrid/ Geostrap	Elongation at break	ASTM D 4632-08 / IS: 16635 - 2017 / EN ISO 10319:2024
5.	Geotextile/ Geo Composite/ Geogrid/ Geostrap	CBR Puncture Strength	ASTM D 6241-22 /EN ISO 12236:2006
6.	Geotextile	Apparent Opening Size	ASTM D 6767-21
7.	Geotextile/ Geo Composite/ Geogrid/ Geostrap	Hydraulic Gradient	EN ISO 12958-1:2020
8.	Geotextile/ Geo Composite/ Geogrid/ Geostrap	Tear Strength	ASTM D4533-15/ IS: 14293:2024
9.	Geotextile/ Geo Composite/ Geogrid/ Geostrap	Burst strength	ASTM D3786-18/ IS: 1966 – (P-1 & 2) 2022
10.	UPVC Door/Frame/Profile	Density at 27°C	ASTM D792-20 / IS: 17953-2023
11.	UPVC Door/Frame/Profile	Tensile Modulus (Modulus of Elasticity)	ASTM D638-14 / EN ISO 178:2019 / IS: 13360 (P-5/S-7:2022)
12.	UPVC Door/Frame/Profile	Impact Strength (Charpy Unnotched)	ASTM D256-23 / EN ISO 179-2 / IS: 13360 (P-5/S-5) :2017 RA 2022

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
13.	UPVC Door/Frame/Profile	Durometer Hardness	DIN 53505:1987-06
14.	UPVC Door/Frame/Profile	Vicat Softening Point	ASTM D1525-09 / EN ISO 306:2022 / IS: 13360 (P-6/S-1:2018)
15.	UPVC Door/Frame/Profile	Calcium carbonate	IS: 14735-1999 RA 2019
16.	UPVC Door/Frame/Profile	Dimensions and tolerances	IS: 17953:2023
17.	UPVC Door/Frame/Profile	Appearance	IS: 17953:2023
18.	UPVC Door/Frame/Profile	Mass of profile	IS: 17953:2023
19.	UPVC Door/Frame/Profile	Resistance to impact of falling mass	IS: 17953:2023 (Annex-D)
20.	UPVC Door/Frame/Profile	Heat ageing at 150°C	IS: 17953:2023 (Annex-E)
21.	UPVC Door/Frame/Profile	Heat reversion	IS: 17953:2023 n(Annex-C)
22.	Holding attachments	Thickness of the zinc electroplating	IS:1573-1986 RA 2021
23.	App Membrane	Dimensional Stability	ASTM D 5147-14/ IS 16532: 2017 RA 2022
24.	App Membrane	Penetration	ASTM D 5-06:2020
25.	App Membrane	Softening Point	IS 205 1992 / IS 16532: 2017 RA 2022
26.	APP Membrane (Sheet)	Elongation	ASTM D 5147-14 /IS 16532: 2017 RA 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
27.	APP Membrane (Sheet)	Flexibility at low Temperature (-10 Degree Celsius)	ASTM D 5147-07: 2007
28.	APP Membrane (Sheet)	Puncture Resistance	ASTM 5147-07: 2007
29.	APP Membrane (Sheet)	Tear Resistance	ASTM D 4073-94:2003 / IS 16532: 2017 RA 2022
30.	APP Membrane (Sheet)	Tensile Strength	ASTM D 5147-07: 2007
31.	APP Membrane (Sheet)	Water Absorption	ASTM D 95-99 /IS 16532: 2017 RA 2022
32.	App Membrane (Sheet)	Thickness	ASTM D 751IS 16532: 2017 RA 2022
33.	CPVC Pipe	Flattening Test	IS 12235 (Part 19): 2004 RA 2019
34.	Fiber Reinforced Plastic Products / Glass Reinforced Polyester Dough Moulding Compounds (GRP/FRP Sheet)	Density of Moulding	IS 8543(P-1/sec 2): 1984
35.	Fibre Reinforced Plastic Products / Glass Reinforced Polyester Dough Moulding Compounds (GRP/FRP Sheet)	Flexural Strength	IS 13411: 1992 RA 2024
36.	Fibre Reinforced Plastic Products / Glass Reinforced Polyester Dough Moulding Compounds (GRP/FRP Sheet)	Glass Content	IS 13411: 1992 RA 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
37.	Fibre Reinforced Plastic Products / Glass Reinforced Polyester Dough Moulding Compounds (GRP/FRP Sheet)	Water Absorption	IS 13411: 1992 RA 2024
38.	Glass Fibre Reinforced Plastic (GRP) Panel/Sheet Type Door Shutter	Fibre Glass Content	IS:14856: 2000 RA 2022 Annex B
39.	Glass Fibre Reinforced Plastic (GRP) Panel/Sheet Type Door Shutter	Tensile Strength	IS:14856: 2000 RA 2022 Annex D
40.	Glass Fibre Reinforced Plastic (GRP) Panel/Sheet Type Door Shutter	Bending Strength	IS:14856: 2000 RA 2022 Annex E
41.	Glass Fibre Reinforced Plastic (GRP) Panel/Sheet Type Door Shutter	Water Absorption	IS:14856: 2000 RA 2022 Annex G
42.	Glass Fibre Reinforced Plastic (GRP) Panel/Sheet Type Door Shutter	Fire Retardancy	IS:14856: 2000 RA 2022 Annex H
43.	Glass Fibre Reinforced Plastic (GRP) Panel/Sheet Type Door Shutter	Height	IS: 4020: 1998 RA 2013

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
44.	Glass Fibre Reinforced Plastic (GRP) Panel/Sheet Type Door Shutter	Thickness	IS: 4020: 1998 RA 2013
45.	Glass Fibre Reinforced Plastic (GRP) Panel/Sheet Type Door Shutter	Width	IS: 4020: 1998 RA 2013
46.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20 kg and 30 kg Foodgrains	Average Breaking Strength of Fabric – Length wise	IS 1969 (P-1): 2018 RA 2024
47.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20 kg and 30 kg Foodgrains	Average Breaking Strength of Fabric - Width wise	IS 1969 (P-1): 2018 RA 2024
48.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20 kg and 30 kg Foodgrains	Capacity	IS 16208: 2015 RA 2020
49.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20 kg and 30 kg Foodgrains	Dimensions - Inside Length	IS 16208, (Annex B): 2015 RA 2020
50.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20 kg and 30 kg Foodgrains	Dimensions – Inside Width	IS 16208, (Annex B): 2015 RA 2020
51.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20 kg and 30 kg Foodgrains	Elongation at Break of fabric- Length wise	IS 1969(P-1): 2018 RA 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
52.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20kg kg and 30 kg Foodgrains	Elongation at Break of fabric- Width wise	IS 1969(P-1): 2018 RA 2024
53.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20kg kg and 30 kg Foodgrains	Ends per dm	IS 16208 (Annex B): 2015 RA 2020
54.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20kg kg and 30 kg Foodgrains	Mass of sack	IS 1964: 2001 RA 2022
55.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20kg kg and 30 kg Foodgrains	Minimum Breaking Strength of Bottom Seam	IS 9030: 1979 RA 2018
56.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20kg kg and 30 kg Foodgrains	Picks per dm	IS 16208 (Annex B): 2015 RA 2020
57.	HDPE/PP Woven Sacks for Packaging 10 kg, 15 kg, 20kg kg and 30 kg Foodgrains	UV Stabilized Test	IS 16208 (Annex C): 2015 RA 2020
58.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Average Breaking Strength of Fabric – Length wise	IS 1969 (P-1): 2018 RA 2024
59.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Average Breaking Strength of Fabric - Width wise	IS 1969 (P-1): 2018 RA 2024
60.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Capacity	IS 14968: 2015 RA 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
61.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Dimensions - Inside Length	IS 14968, (Annex B): 2015 RA 2020
62.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Dimensions – Inside Width	IS 14968, (Annex B): 2015 RA 2020
63.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Elongation at Break of fabric- Length wise	IS 1969(P-1): 2018 RA 2024
64.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Elongation at Break of fabric- Width wise	IS 1969(P-1): 2018 RA 2024
65.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Ends per dm	IS 14968, (Annex B): 2015 RA 2020
66.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Mass of the sack with liner	IS 1964: 2023
67.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Mass of unlaminated sack	IS 1964: 2023
68.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Minimum Breaking Strength of Bottom Seam	IS 9030: 1979 RA 2018
69.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	Picks per dm	IS 14968, (Annex B): 2015 RA 2020
70.	HDPE/PP Woven Sacks for Packaging 50kg/25 kg Sugar	UV Stabilized Test	IS 14968, (Annex C): 2015 RA 2020
71.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Average Breaking Strength of Fabric – Length wise	IS 1969 (P-1): 2018 RA 2024
72.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Average Breaking Strength of Fabric - Width wise	IS 1969 (P-1): 2018 RA 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
73.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Capacity	IS 16208: 2015 RA 2020
74.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Dimensions - Inside Length	IS 14887: 2014 RA 2023
75.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Dimensions – Inside Width	IS 14887: 2014 RA 2023
76.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Elongation at Break of fabric- Length wise	IS 1969(P-1): 2018 RA 2024
77.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Elongation at Break of fabric- Width wise	IS 1969 (P-1): 2018 RA 2024
78.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Ends per dm	IS 14887: 2014 RA 2023
79.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Mass of sack	IS 1964: 2023
80.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Minimum Breaking Strength of Bottom Seam	IS 9030: 1979 RA 2018
81.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	Picks per dm	IS 14887: 2014 RA 2023
82.	HDPE/PP Woven Sacks for Packaging of 50 kg Foodgrains	UV Stabilized Test	IS 14887: 2014 RA 2023
83.	Plastic	Specific Gravity	ASTM D792: 2013
84.	Plastic/ Membrane	Elongation %	IS 13360 (Part5) (Sec. 1-3): 2022
85.	Plastics	Density	ASTM D792: 2013

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
86.	Plastics	Elongation %	ASTM D638: 2014
87.	Plastics	Tensile Strength	ASTM D638: 2014
88.	Plastics / Membrane	Tensile Strength	IS 13360 (Part 5) (Sec.1-3): 2022
89.	PP, PE, HDPE, LDPE,ABS,PC,PVC Compound	Adhesion Test of Metallic Coating	ASTM B 571: 2018
90.	PP, PE, HDPE,LDPE,ABS,PC,PVC Compound	Elongation	ASTM D412, D 638, ISO 527, DIN 53455, BS 2782: 1986
91.	PP,PE,HDPE,LDPE,ABS,PC,PVC Compound	Hardness (Shore A, Shore D)	IS 3400 (P-2): 2014 RA 2019, IS 13360 (P-5/Sec-11):2013 RA 2018, ASTM D 2240: 1986
92.	PP,PE,HDPE,LDPE,ABS,PC,PVC Compound	In flammability/ Fire Resistance Test	ASTM D 635: 1986
93.	PP,PE,HDPE,LDPE,ABS,PC,PVC Compound	Melt Flow Rate	IS 2530:2026, ASTM D1238-23, ISO 1133: 1986
94.	PP,PE,HDPE,LDPE,ABS,PC,PVC Compound	Moisture Content	ASTM D 6980: 1986
95.	PP,PE,HDPE,LDPE,ABS,PC,PVC Compound	Tear Strength	IS 2076:1981 RA 2018, IS 14611: 2024
96.	PP,PE,HDPE,LDPE,ABS,PC,PVC Compound	Vicat Softening Point	IS 10810 (P-22):1984 RA 2021, ISO 306:2013, ASTM D 1525-09, DIN 53460: 1986
97.	PP,PE,HDPE,LDPE,ABS,PC,PVC	Water Absorption	ASTM D 570: 1986

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
	Compound		
98.	PVC Water Stopper	Accelerated Extraction Test	IS 15058: 2002 RA 2019
99.	PVC Water Stopper	Cold Bend Temperature	IS 9766: 1992 RA 2018
100.	PVC Water Stopper	Elongation	IS 13360 (P-5 Sec. 2 &3): 2002
101.	PVC Water Stopper	Hardness	IS 13360 (P -5/ Sec. 11): 2013
102.	PVC Water Stopper	Stability in Effect of Alkalies Test-Change in Dimension	IS 15058: 2002
103.	PVC Water Stopper	Stability in Effect of Alkalies Test-Weight Increase/ Decrease after 7/28 days	IS 15058: 2002
104.	PVC Water Stopper	Water Absorption	IS 15058: 2002
105.	PVC Water Stopper	Tensile Strength	IS 13360 (P-5 SEC 2 &3): 2002
106.	PVC/ Plastic/Rubber Waterproofing Membrane	Change of Dimension after heating at 70 Degree Celsius for 2 hrs.	DIN 16726: 2017
107.	PVC/ Plastic/Rubber Waterproofing Membrane	Cold Bending (Foldability)	EN 4955, DIN 16726: 2017
108.	PVC/ Plastic/Rubber Waterproofing Membrane	Elongation	ISO 527-2, EN 12311-2, ASTM D 638: 2010
109.	PVC/ Plastic/Rubber Waterproofing Membrane	Material Characteristics During and After Storage at 80 Degree Celsius	DIN 16726: 2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
110.	PVC/ Plastic/Rubber Waterproofing Membrane	Resistance of Joints	EN 12317-2: 2010
111.	PVC/ Plastic/Rubber Waterproofing Membrane	Tear Propagation Strength	DIN 53363:2003, EN 12310, ASTM D 624: 2003
112.	PVC/ Plastic/Rubber Waterproofing Membrane	Tensile Strength	ISO 527-2, EN 12311-2, ASTM D 638: 2010
113.	PVC/ Plastic/Rubber Waterproofing Membrane	Thickness	DIN 53370:2006, EN 1849-2: 2019
114.	Resin, Plastic & polymer, Raw Material, Plastic Pipes	Charpy Impact Strength	IS: 15801: 2008 / ISO 179 (Part-1): 2000
115.	Resin, Plastic & polymer, Raw Material, Plastic Pipes	Izod Impact Strength	ASTM D256: 2010
116.	Structured wall Plastics Piping systems for non-pressure drainage and sewerage (DWC Pipe)	Visual Appearance, finish and colour	IS:16098 (Part-2):2013
117.	Structured wall Plastics Piping systems for non-pressure drainage and sewerage (DWC Pipe)	Physical characteristics of PE/PP pipes (Resistance to heating, oven test)	IS:12235 (Part-6):2004 RA 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
118.	Structured wall Plastics Piping systems for non-pressure drainage and sewerage (DWC Pipe)	Physical characteristics of PE/PP injection moulded components (Effect of heating)	IS:16098 (Annex-D):2013
119.	Structured wall Plastics Piping systems for non-pressure drainage and sewerage (DWC Pipe)	Ring stiffness	IS:16098 (Part-1) (Annex-C):2013
120.	Structured wall Plastics Piping systems for non-pressure drainage and sewerage (DWC Pipe)	Impact strength	IS:12235 (Part-9):2004 RA 2019
121.	Structured wall Plastics Piping systems for non-pressure drainage and sewerage (DWC Pipe)	Ring flexibility	IS:16098 (Part-1) (Annex-D):2013
122.	Structured wall Plastics Piping systems for non-pressure drainage and sewerage (DWC Pipe)	Performance requirements (Tightness of elastomeric seal joint)	IS:12235 (Part-8/Sec-2 & Sec-3):2004 RA 2019
123.	Structured wall Plastics Piping systems for non-pressure	Water tightness	IS:16098

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
	drainage and sewerage (DWC Pipe)		(Annex-F):2013
124.	Thermosetting Resin Bonded Sheet Moulding Compound (SMC &DMC Sheet)	Cross Breaking Strength (Flexural Strength)	IS 1998: 1962
125.	Thermosetting Resin Bonded Sheet Moulding Compound (SMC &DMC Sheet)	Specific Gravity	IS 1998: 1962
126.	Thermosetting Resin Bonded Sheet Moulding Compound (SMC &DMC Sheet)	Tensile Strength	IS 1998: 1962
127.	Thermosetting Resin Bonded Sheet Moulding Compound (SMC &DMC Sheet)	Tensile Strength	IS 1998: 1962
128.	UPVC Pipe	Dimension of Socket - Socket Length	IS 12235 (Part 1): 2004 RA 2019
129.	UPVC Pipe	Dimension of Socket Internal diameter	IS 12235 (Part 1): 2004 RA 2019
130.	UPVC Pipe	Length	IS:4985: 2021
131.	UPVC Pipe	Resistance to external Blow at 0 Deg, C	IS 12235 (Part 9): 2004 RA 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
132.	UPVC Pipe	Resistance to External Blows	IS 15328: 2003
133.	UPVC Pipe	Resistance to Internal Hydrostatic Pressure Test	IS 12235 (Part 8, Sec-1): 2004 RA 2019
134.	UPVC Pipe	Ring Stiffness	IS 15328: 2003
135.	UPVC Pipe	Stress Relief Test	IS 12235 (Part 6): 2004
136.	UPVC Screen and casing Pipe	Colour	IS 12818: 2010
137.	UPVC Screen and casing Pipe	Internal Diameter	IS 12818: 2010
138.	UPVC Screen and casing Pipe	Resistance to External Blows	IS 12818: 2010
139.	UPVC Screen and casing Pipe	Threading of Screen and Casing Pipe	IS 12818: 2010
140.	UPVC Screen and Casing Pipe	Visual appearance	IS 12818: 2010
141.	Containers for packaging of natural mineral water and drinking water	Capacity	IS 2798: 1998
142.	Containers for packaging of natural mineral water and drinking water	drop test	IS 2798: 1998

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
143.	Containers for packaging of natural mineral water and drinking water	Leakage test	IS 2798: 1998
144.	Containers for packaging of natural mineral water and drinking water	Manufacturer workmanship, finish and appearance	IS 15410: 2003
145.	Containers for packaging of natural mineral water and drinking water	Transparency	IS 15410: 2003
146.	Containers for packaging of natural mineral water and drinking water	Wall thickness	IS 2798: 1998
147.	Containers for packaging of natural mineral water and drinking water	Water potability	IS 15410: 2003
148.	Rotational molded polyethylene water storage tanks	Dimension of tank- overall diameter	IS 12701: 1996
149.	Rotational moulded polyethylene water storage tanks	Dimension of tank- internal dia of manhole	IS 12701: 1996
150.	Rotational moulded polyethylene water storage tanks	Dimension of tank- wall and bottom thickness	IS 12701: 1996

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
151.	Rotational moulded polyethylene water storage tanks	Dimension of tank- weight of tank	IS 12701: 1996
152.	Rotational moulded polyethylene water storage tanks	Finish	IS 12701: 1996
153.	Rotational moulded polyethylene water storage tanks	Flexural modulus	IS 13360 P-5/SEC 7: 2022
154.	Rotational moulded polyethylene water storage tanks	Resistance to deformation	IS 12701: 1996
155.	Rotational moulded polyethylene water storage tanks	Resistance to impact	IS 12701: 1996
156.	Rotational moulded polyethylene water storage tanks	Tensile strength	IS 12701: 1996
157.	Rotational moulded polyethylene water storage tanks	Test for top load resistance	IS 12701: 1996
158.	Films	Density	IS 13360 (Part 3/Sec.-1): 1995
159.	Films	Elongation %	IS 13360 (Part 5) (Sec. 1&3): 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
160.	Films	Overall Migration	IS 9845: 1998 RA 2020
161.	Films	Overall Migration	IS 9845: 1998 RA 2020
162.	Films	Specific Gravity	IS 13360 (Part 3/Sec.-1): 1995
163.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints	Short Term Hydraulic Pressure test	IS:7834 (P-1): 1987 RA 2018
164.	PPR Pipe	Length	IS: 15801: 2008 RA 2022
165.	PPR Pipe	Melt Flow Rate	IS: 13360 (P-4 / S-1): 2018
166.	Resin, Plastic & polymer, Raw Material, Plastic Pipes, CPVC & UPVC Pipes	Appearance	IS: 15225: 2002 RA 2024
167.	Resin, Plastic & polymer, Raw Material, Plastic Pipes, CPVC & UPVC Pipes	Charpy Impact Strength	IS: 13360 (Part-5 / Sec-5): 2017 RA 2022
168.	Resin, Plastic & polymer, Raw Material, Plastic Pipes, CPVC & UPVC Pipes	Form	IS: 15225: 2002 RA 2024
169.	Resin, Plastic & polymer, Raw Material, Plastic Pipes, CPVC & UPVC Pipes	Vicat Softening Temperature	IS: 13360 (Part-6 / Sec-1): 2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
170.	UPVC Pipe	Dimension of Socket - Outside Diameter	IS:13592: 2013 RA 2018
171.	UPVC Pipe	Colour of Pipe	IS:13592: 2013 RA 2018
172.	UPVC Pipe	Dimension of Socket - Wall Thickness	IS:13592: 2013 RA 2018
173.	UPVC Pipe	Hydrostatic Characteristic -Type Test & Acceptance Test)	IS 12235 (Part 8, Sec-1): 2004 RA 2019
174.	UPVC Pipe	Resistance To external Blows at 0°C	IS:4985: 2021
175.	UPVC Pipe	Visual appearance	IS:13592: 2013 RA 2018
176.	Aluminium Composite Panel /Sheet (ACP)	Chemical Resistance (10% HCl for 72 hrs b) (20% H2SO4 for 72 hrs c) (20% NaOH for 18 hrs d) (3% detergent Solution at 38°C for 72 hrs)	ASTM D 543-14/ Issue No. 00 Issue Date: 14/01/2021 AAMA Specification: 605-98: 2020
177.	Aluminium Composite Panel /Sheet (ACP)	Elongation	ASTM D E 8: 1924
178.	Aluminium Composite Panel /Sheet (ACP)	Flexural Modulus	ASTM D 790: 2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
179.	Aluminium Composite Panel /Sheet (ACP)	Flexural Strength	ASTM D 790: 2021
180.	Aluminium Composite Panel /Sheet (ACP)	Pencil Hardness	ASTM D 3363: 2020
181.	Aluminium Composite Panel /Sheet (ACP)	Tensile Strength	ASTM D E 8: 2017
182.	Aluminium Composite Panel /Sheet (ACP)	Water Absorption	ASTM D 570-98, ASTM C 393: 2018
183.	CPVC Fittings for Potable Hot and Cold-Water Distribution Supplies	Socket Length	IS: 17546: 2021
184.	CPVC Fittings for Potable Hot and Cold-Water Distribution Supplies	Thermal Stability by Hydrostatic Pressure Test	IS: 12235 (Part-8/Sec-1): 2004 RA 2019
185.	CPVC Pipe & Fittings	Reversion Test	IS 12235 (Part 5/6): 2004 RA 2019
186.	CPVC Pipe & Fittings	Specific Gravity	IS 12235 (Part 14): 2004 RA 2019
187.	CPVC Pipe & Fittings	Tensile Strength	IS 12235 (Part 13): 2004 RA 2019
188.	CPVC Pipe & Fittings	Visual Appearance /Colour	IS 15778: 2007 RA 2022
189.	CPVC Pipe & Fittings	Wall Thickness	IS 12235 (Part 1): 2004 RA 2019
190.	HDPE PIPE	Identification of Strips	IS:4984: 2016 RA 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
191.	HDPE PIPE	Elongation at Break	IS:4984: 2016 RA 2021
192.	HDPE PIPE	Internal Pressure Creep Rupture Test of Pipe Joints	IS:4984: 2016 RA 2021
193.	HDPE PIPE	Length	IS:4984: 2016 RA 2021
194.	HDPE Pipe	Reversion Test	IS 14333: 2022
195.	HDPE PIPE	Slow Crack Growth rate	IS:4984: 2016 RA 2021
196.	HDPE PIPE	Tensile Strength for Butt-fusion	IS:4984: 2016 RA 2021
197.	HDPE Pipe	Visual Appearance/ Colour	IS 14333: 2022
198.	HDPE Pipe	Wall Thickness	IS 14333:2022
199.	HDPE Pipe & Fittings	Density	IS 7328: 2020
200.	HDPE Pipe & Fittings	Dimensions- outside Diameter	IS:4984: 2016 RA 2021
201.	HDPE Pipe & Fittings	Dimensions-Outside Diameter	IS 14333: 2022
202.	HDPE Pipe & Fittings	Elongation %	IS:4984: 2016 RA 2021
203.	HDPE Pipe & Fittings	Overall Migration	IS 9845: 1998 RA 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
204.	HDPE Pipe & Fittings	Overall Migration	IS 9845: 1998 RA 2020
205.	HDPE Pipe & Fittings	Specific Gravity	IS 7328: 2020
206.	HDPE Pipe & Fittings	Tensile Strength	IS:4984: 2016 RA 2021
207.	HDPE Pipe & Fittings	Visual Appearance/ Colour	IS:4984: 2016 RA 2021
208.	HDPE Pipe & Fittings	Wall Thickness	IS:4984: 2016 RA 2021
209.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints	Dimensions - Thickness	IS:7834 (P-1 to 8): 1987 RA 2018
210.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints	Dimensions- Diameter at Mid-Point of Socket length	IS 7834(P-1 to 8): 1987 RA 2018
211.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints	Dimensions- Socket length	IS:7834 (P-1 to 8): 1987 RA 2018
212.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Dimension of Pipe	IS: 17425: 2020
213.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler	Elongation at break	IS: 17425: 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
	Irrigation Systems		
214.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Fusion Compatibility Test (Quality test and Acceptance test)	IS: 17425: 2020
215.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Holding attachment of coupler part	IS: 17425: 2020
216.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Hydraulic Performance Characteristics (Quality Test and Acceptance test)	IS: 17425: 2020
217.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Hydraulic Proof Test	IS: 17425: 2020
218.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Leakage test	IS: 17425: 2020
219.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler	Out of Roundness (Ovality)	IS: 17425: 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
	Irrigation Systems		
220.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Reversion Test	IS: 17425: 2020
221.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Rubber Ring	IS 17425: 2020
222.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Tensile Strength at Yield	IS: 17425: 2020
223.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Visual Appearance and Workmanship	IS: 17425: 2020
224.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Wall Thickness	IS: 17425: 2020
225.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler	Weldability Test (Quality Test and Acceptance Test)	IS: 17425: 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
	Irrigation Systems		
226.	Irrigation Equipment - Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Workmanship and Appearance	17425: 2020
227.	PE Pipe	Colour	IS:14885: 2022
228.	PE Pipe	Dimension of Pipe-Outside Diameter	IS:12786: 2024
229.	PE Pipe	Dimension of pipes-Wall Thickness	IS:14885: 2022 / IS:12786: 2024
230.	PE Pipe	Elongation at Break	IS:14885: 2022 / IS:12786: 2024
231.	PE PIPE	Elongation at Break %	IS:14151 (P-1&2): 1999
232.	PE Pipe	Finish	IS 14885: 2022
233.	PE PIPE	Fusion Compatibility Test	IS:14151(P-1): 1999 RA 2021
234.	PE Pipe	Hydraulic Characteristic	IS:14885: 2022
235.	PE PIPE	Hydraulic Characteristic (Quality Test & Acceptance Test	IS:14151 (P-1&2): 1999 RA 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
236.	PE Pipe	Resistance To Weathering	IS:14885: 2022
237.	PE Pipe	Reversion test	IS:14885: 2022
238.	PE Pipe	Tensile strength	IS:12786: 2024
239.	PE PIPE	Tensile Strength	IS:14151 (P-1&2): 1999 RA 2021
240.	PE Pipe	Tensile Test	IS:14885: 2022
241.	PE Pipes	Density	IS 7328: 2020
242.	PE Pipes	Dimension of pipes-Outside Diameter	IS: 14885:2022
243.	PE Pipes	Reversion Test	IS 14151: 1999 RA 2021
244.	PE Pipes	Specific Gravity	IS 7328: 2020
245.	PE Pipes	Visual Appearance/ Colour	IS 14151: 1999 RA 2021
246.	PE Pipes	Wall Thickness	IS 14151: 1999 RA 2021
247.	PE Pipes & Fittings	Dimensions- Diameter	IS 14151 (Part 1): 1999 RA 2021
248.	PE Pipes for Water Supply	Identification of strips	IS: 4984: 2016 RA 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
249.	PE Pipes for Water Supply	Out of square of pipe end	IS: 4984: 2016 RA 2021
250.	PE Pipes for Water Supply	Yield Stress	IS: 4984: 2016 RA 2021
251.	PPR Pipe	Density	IS 12235 (Part 14): 2004 RA 2019
252.	PPR Pipe	Dimensions-Outside Diameter	IS 12235 (Part 1): 2004 RA 2019
253.	PPR Pipe	Specific Gravity	IS 12235 (Part 14): 2004 RA 2019
254.	PPR Pipe	Visual Appearance/ Colour	IS 15801: 2008 RA 2022
255.	PPR Pipe	Wall Thickness	IS 12335 (Part 1): 2004 RA 2019
256.	QCPE PIPE	Workmanship & Appearance	IS:14151 (P-2): 2008 RA 2021
257.	Quick Coupled Polyethylene Pipes & Fittings	Holding Attachment for Coupler Parts	IS:14151(P-2): 2008 RA 2021
258.	Quick Coupled Polyethylene Pipes & Fittings	Hydraulic Proof Test	IS:14151 (P-2): 2008 RA 2021
259.	Quick Coupled Polyethylene Pipes & Fittings	Leakage Test	IS 14151 (P-2): 2008 RA 2021
260.	Quick Coupled Polyethylene Pipes & Fittings	Rubber Ring Hardness	IS 14151(P-2): 2008 RA 2021
261.	Quick Coupled Polyethylene Pipes & Fittings	Weldability Test	IS 14151 (P-1&2): 2008 RA 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
262.	Unplasticized polyvinyl chloride (pvc-u) pipes for soil and waste discharge system for inside and outside buildings including ventilation and rainwater system	Resistance to dichloromethane at specified temperature	IS: 12235 (Part-11): 2004 RA 2019
263.	Upvc injection moulded fittings	Champher	IS 14735: 1999 RA 2019
264.	Upvc injection moulded fittings	Colour	IS 14735: 1999 RA 2019
265.	Upvc injection moulded fittings	Dimension- mean diameter (inside & outside) of socket at mid-point	IS 14735: 1999 RA 2019
266.	Upvc injection moulded fittings	Dimensions- wall thickness	IS 14735: 1999 RA 2019
267.	Upvc injection moulded fittings	Impact test (drop test)	IS 14735: 1999 RA 2019
268.	Upvc injection moulded fittings	Stress relief test	IS 12235 (Part 6): 2004 RA 2019
269.	Upvc injection moulded fittings	Vicat softening	IS 6307: 2023
270.	Upvc injection moulded fittings	Visual appearance	IS 14735: 1999 RA 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
271.	UPVC injection moulded fittings	Water tightness of joint	IS 14735: 1999 RA 2019
272.	UPVC Pipe	Appearance	IS 15328: 2003 RA 2018
273.	UPVC Pipe	Axial shrinkage	IS:13592: 2013 RA 2018
274.	UPVC Pipe	Colour	IS 15328: 2003 RA 2018
275.	UPVC Pipe	Elastomeric Sealing ring/Solvent Cemented Joint Internal Hydrostatic Pressure Test	IS 15328: 2003 RA 2018
276.	UPVC Pipe	Elastomeric sealing Ring/Solvent Cemented Joints Internal negative hydrostatic pressure Test	IS 15328: 2003 RA 2018
277.	UPVC Pipe	Elastomeric Sealing Rings Dimension Wall Thickness	IS 15328: 2003 RA 2018
278.	UPVC Pipe	Resistance To External Blows at 0 Deg. C	IS 12235 (Part 9): 2004 RA 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
279.	UPVC Pipe	Resistance to external blows at 0 degree	IS 15328: 2003 RA 2018
280.	UPVC Pipe	RING STIFFNESS	IS 15328: 2003 RA 2018
281.	UPVC Pipe	Tensile Strength	IS 12235 (Part13): 2004 RA 2019
282.	UPVC Pipe	Water Tightness of Joint	IS:13592: 2013 RA 2018
283.	UPVC Pipe & Fittings	Density	IS 12335 (Part 14): 2004 RA 2019
284.	UPVC Pipe & Fittings	Dimensions- Diameter	IS 12235 (Part 1): 2004 RA 2019
285.	UPVC Pipe & Fittings	Elongation %	IS 12235 (Part 13): 2004 RA 2019
286.	UPVC Pipe & Fittings	Reversion Test	IS 12235 (Part 5/6): 2004 RA 2019
287.	UPVC Pipe & Fittings	Specific Gravity	IS 12335 (Part 14): 2004 RA 2019
288.	UPVC Pipe & Fittings	Tensile Strength	IS 12235 (Part 13): 2004 RA 2019
289.	UPVC Pipe & Fittings	Visual Appearance/ Colour	IS 4985: 2021
290.	UPVC Pipe & Fittings	Wall Thickness	IS 12235 (Part 1): 2004 RA 2019
291.	UPVC Pipes for Water Supplies	Pipe Ends	IS: 4985: 2021

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Mechanical Testing			
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	Plastic & Plastic Products		
292.	Polymer products	UV Exposer Test	ASTM G 154-16, ASTM 4329: 2016
293.	UPVC Pipes	Classification of pipe	IS:4985-2021
294.	UPVC Pipes	Included angle of taper	IS:4985-2021
295.	UPVC Pipes	Marking	IS:4985-2021
296.	Irrigation Equipment- Polyethylene Pipes for Irrigation Laterals	Visual Appearance	IS: 12786:2024
297.	Irrigation Equipment- Polyethylene Pipes for Irrigation Laterals	Tensile strength at yield	IS: 2530:1963
298.	Irrigation Equipment- Polyethylene Pipes for Irrigation Laterals	Elongation at Break	IS: 2530:1963
299.	Irrigation Equipment- Polyethylene Pipes for Irrigation Laterals	Coiling,	IS: 12786:2024
300.	UPVC screen and casing pipes for bore/tube wells	Designation	IS 12818:2010

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
301.	UPVC screen and casing pipes for bore/tube wells	Threading of screen and casing pipes	IS 554, IS 12818:2010
302.	UPVC screen and casing pipes for bore/tube wells	Sealing ring (Hardness)	IS 12818:2010
303.	UPVC screen and casing pipes for bore/tube wells	Marking	IS 12818:2010
304.	UPVC pipes for use in underground drainage and sewerage systems	Length of pipe	IS: 15328:2003
305.	UPVC pipes for use in underground drainage and sewerage systems	Elastomeric sealing rings (Hardness)	IS 5382
306.	UPVC pipes for use in underground drainage and sewerage systems	Marking	IS: 15328:2003
307.	CPVC Compound	Verification of the Malfunction Temperature (Hydrostatic pressure test)	IS 15778:2007

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
308.	CPVC Compound	Tensile Modulus	IS 13360:2013(Part 5/Sec 1)
309.	CPVC Compound	Density	IS 13360:2013(Part 3/sec 10/ sec 11)
310.	CPVC Pipes	Pipe Ends	IS 15778:2007
311.	CPVC Pipes	Marking	IS 15778:2007
312.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Visual Appearance	IS 16647:2017
313.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Colour	IS 16647:2017
314.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Length	IS 16647:2017
315.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Dimensions of Integral Socket for Elastomeric Sealing Ring Joint	IS 16647:2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
		(Minimum depth of engagement)	
316.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Dimensions of Integral Socket for Elastomeric Sealing Ring Joint (Minimum mean inside diameter of socket)	IS 16647:2017
317.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Pipe ends	IS 16647:2017
318.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Ring Stiffness	IS 12235 (Part-18):2004
319.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Orientation factor (Axial Orientation factor & Circumferential Orientation factor)	IS 12235 (Part-5/Sec-1 & Sec-2):2004

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
320.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Assemblies with Non-End-Load-Bearing Joints (Hydrostatic pressure test)	IS 16647:2017
321.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Short term pressure test (Hydrostatic pressure test)	IS 12235(Part-8/Sec-2):2004
322.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Short term pressure test (Hydrostatic pressure test)	IS 12235(Part-8/Sec-3):2004
323.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Long term pressure test (Hydrostatic pressure test)	IS 12235 (Part-8/Sec-4):2004
324.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Elastomeric Seals (Hardness)	IS 5382:2018
325.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Elastomeric Seals	IS 5382:2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
326.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Marking	IS 16647:2017
327.	UPVC door & window profiles	Straightness	IS: 17953:2023
328.	UPVC door & window profiles	Tensile bending test	IS: 17953:2023 (Annex-F)
329.	UPVC door & window profiles	Compression Bending test	IS: 17953:2023 (Annex-F)
330.	UPVC door & window profiles	Resistance to Weathering (Charpy impact strength)	IS: 17953:2023 (Annex-G)
331.	UPVC door & window profiles	Colour fastness	IS: 17953:2023 (Annex-G)
332.	UPVC door & window profiles	Density	IS:13360 (Part-3/Sec-10)
333.	CPVC fittings	Marking	IS 17546:2021
334.	UPVC fittings	Marking	IS 7834:1987
335.	Holding attachments	Freedom from defects	IS:513 (P-1):2016
336.	UPVC Injection moulded fittings	Angle of Taper	IS 14735:1999

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
337.	UPVC Injection moulded fittings	Hardness of sealing ring, (Hardness)	IS 5382:1985
338.	UPVC Injection moulded fittings	Workmanship	IS 14735:1999
339.	UPVC Injection moulded fittings	Design Requirements	IS 14735:1999
340.	UPVC Injection moulded fittings	Socket and spigot Configurations	IS 14735:1999
341.	UPVC Injection moulded fittings	Marking	IS 14735:1999
342.	Conduit Systems for Cable Management	Marking	IS 16205 (Part-24):2017
343.	Conduit Systems for Cable Management	Dimensions	IS 16205 (Part-1):2017
344.	Conduit Systems for Cable Management	Construction	IS 16205 (Part-1):2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
345.	Conduit Systems for Cable Management	Compression test (Load taken at 5 % deflection)	IS 16205Part-1):2017
346.	Conduit Systems for Cable Management	Compression test	IS 16205(Part-1):2017
347.	Conduit Systems for Cable Management	Impact test	IS 16205(Part-24):2017
348.	Conduit Systems for Cable Management	Bending test	IS 16205(Part-24):2017
349.	Conduit Systems for Cable Management	Spread of fire	IS 16205(Part-1):2017
350.	Conduit Systems for Cable Management	Spread of fire conduit (Times of exposure of the sample to the flame)	IS 16205(Part-1):2017
351.	Conduit Systems for Cable Management	Degree of Protection- ingress of foreign solid objects	IS 16205 (Part-1):2017
352.	Conduit Systems for Cable Management	Degree of Protection- ingress of water	IS 16205 (Part-1):2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
353.	Conduit Systems for Cable Management	Electromagnetic Compatibility	IS 16205(Part-1):2017
354.	Irrigation Equipment Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation systems	Quick Coupled male and female couplers (HDPE Couplers)	IS 17425:2020
355.	Irrigation Equipment Quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation systems	Elongation At Break	IS 17425:2020
356.	UPVC SWR Pipe	Types of pipes	IS: 13592:2013
357.	UPVC SWR Pipe	Size designation	IS: 13592:2013
358.	UPVC SWR Pipe	Length of pipe	IS: 13592:2013
359.	Woven metallic and glass fibre tape measures	Nominal lengths	IS 1269 (Part-1):1997, IS 1269 (Part-2):1997
360.	Woven metallic and glass fibre tape measures	Material	IS 1269 (Part-1):1997

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
361.	Woven metallic and glass fibre tape measures	Tape measure of Nominal length above 5 m	IS 1269 (Part-1):1997
362.	Woven metallic and glass fibre tape measures	Tape measure of nominal length above 5 m	IS 1269 (Part-1):1997
363.	Woven metallic and glass fibre tape measures	Construction (General)	IS 1269 (Part-1):1997
364.	Woven metallic and glass fibre tape measures	Tape measure of Nominal length above 5 m (Width)	IS 1269 (Part-1):1997
365.	Woven metallic and glass fibre tape measures	Tape measure of Nominal length above 5 m (Thickness)	IS 1269 (Part-1):1997
366.	Woven metallic and glass fibre tape measures	Graduations	IS 1269 (Part-1):1997
367.	Woven metallic and glass fibre tape measures	Numbering (General requirements)	IS 1269 (Part-1):1997, IS 1269 (Part-2):1997

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
368.	Woven metallic and glass fibre tape measures	Accuracy classes and maximum permissible errors (Maximum permissible error)	IS 1269(Part-1):1997, IS 1269 (Part-2):1997
369.	Woven metallic and glass fibre tape measures	Case and winding device (Thickness)	IS 1269(Part-1):1997
370.	Woven metallic and glass fibre tape measures	Winding device (Handle length)	IS 1269 (Part-1):1997
371.	Woven metallic and glass fibre tape measures	Reel	IS 1269 (Part-1):1997
372.	Woven metallic and glass fibre tape measures	Bend test	IS 1269 (Part-1):1997
373.	Woven metallic and glass fibre tape measures	Permanent set test	IS 1269 (Part-1):1997
374.	Woven metallic and glass fibre tape measures	Coating stability test	IS 1269 (Part-1):1997

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
375.	Woven metallic and glass fibre tape measures	Sticking test	IS 1269(Part-1):1997
376.	Woven metallic and glass fibre tape measures	Print stability test	IS 1269(Part-1):1997
377.	Woven metallic and glass fibre tape measures	Water proofing test (Water absorption)	IS 1269(Part-1):1997
378.	Woven metallic and glass fibre tape measures	Marking	IS 1269(Part-1):1997, IS 1269 (Part-2):1997
379.	Steel tape measures	Material	IS 1269(Part-2):1997
380.	Steel tape measures	Construction	IS 1269(Part-2):1997
381.	Steel tape measures	Graduations	IS 1269(Part-2):1997
382.	Steel tape measures	Automatic winding device	IS 1269 (Part-2):1997
383.	Steel tape measures	Case (Thickness)	IS 1269 (Part-2):1997
384.	Steel tape measures	Handle (Length)	IS 1269(Part-2):1997

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
385.	Steel tape measures	Reel	IS 1269(Part-2):1997
386.	Steel tape measures	Case	IS 1269(Part-2):1997
387.	Polyethylene Pipes for Sewerage and Industrial Chemicals and Effluent	Length	IS 14333:2022
388.	UPVC threaded column pipes for borewells/tubewells	Colour	IS 18166:2025
389.	UPVC threaded column pipes for borewells/tubewells	Classification	IS 18166:2025
390.	UPVC threaded column pipes for borewells/tubewells	Nominal effective length	IS 18166:2025
391.	UPVC threaded column pipes for borewells/tubewells	Visual appearance	IS 18166:2025
392.	UPVC threaded column pipes for borewells/tubewells	Flattening test	IS 12235 (Part-19):2004
393.	UPVC threaded column pipes for borewells/tubewells	Tensile strength	IS 12235 (Part-13):2004

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic & Plastic Products		
394.	UPVC threaded column pipes for borewells/tubewells	Elongation at break	IS 12235(Part-13):2004
395.	UPVC threaded column pipes for borewells/tubewells	Izod impact strength	IS 18166:2025
396.	UPVC threaded column pipes for borewells/tubewells	Joint leak pressure test	IS 18166:2025
397.	UPVC threaded column pipes for borewells/tubewells	Marking	IS 18166:2025



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
1.	Hard Drawn Steel Wire	% Elongation	IS 1608 (Part 1): 2022
2.	Hard Drawn Steel Wire	Reverse Bend Test	IS 1716 :2023
3.	Hard Drawn steel wire	Ultimate Tensile Strength	IS 1608 (Part 1): 2022
4.	High strength deformed steel bars and wires for concrete reinforcement	Bend Test	IS 1599: 2023
5.	High strength deformed steel bars and wires for concrete reinforcement	Mass per meter	IS 1786: 2008 RA 2018
6.	High strength deformed steel bars and wires for concrete reinforcement	Rebend Test	IS 1786: 2008 RA 2018
7.	High strength deformed steel bars and wires for concrete reinforcement	Tensile Test	IS 1608 (Part 1): 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
8.	Mild Steel Wire for General Engineering (Annealed & Soft Drawn up to 1.0mm)	Tensile Test	IS 1608 (Part 1):2022
9.	Mild Steel Wire for General Engineering (Annealed & Soft Drawn up to 1.0mm)	Warping Test	IS 1755: 2018 RA 2023
10.	Steel Tubes/ Pipe	Elongation %	IS 1608(Part 1):2022
11.	Steel Tubes/ pipe	Tensile Strength	IS 1608(Part 1):2022
12.	Steel Tubes/Pipe	Flattening Test	IS 2328: 2018 RA 2023
13.	Aluminium And Alloys, Bars and Rods Etc	Dimensions (Width)	IS 2673: 2002 RA 2022
14.	Aluminium and alloys, bars and rods etc	Freedom From Defects	IS 1285: 2023
15.	Aluminium and alloys, bars and rods etc	Tensile Strength	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		
16.	Aluminium and alloys, bars and rods etc	Thickness	IS 2678: 1987 RA 2022
17.	Aluminium and alloys, bars and rods etc	% Elongation	IS 1608 (P-1):2022
18.	Aluminium and alloys, bars and rods etc	0.2 % Proof Stress	IS 1608(P-1): 2022
19.	Aluminium and alloys, bars and rods etc	Dimensions (Length)	IS 2673: 2002 RA 2022
20.	Wrought Aluminium and Aluminium Alloy Bars, Rods, Sections, Extruded Tubes, Hollow Sections and Profiles for General Engineering Purposes	Freedom From Defects	IS 733: 2025
21.	Aluminium and alloys, bars and rods etc	Freedom From Defects	IS 737: 2024
22.	Aluminium and alloys, bars and rods etc	Freedom From Defects	IS 738: 1994 RA 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
23.	Aluminium and alloys, bars and rods etc (20mm And Above Diameter)	Thickness	IS 6477: 1983 RA 2021
24.	Butterfly Valves for General Purposes	Face to Face Dimension	IS 13095: 2020
25.	Butterfly Valves for General Purposes	Performance Testing (Seat, Body Test)	IS 13095: 2020
26.	Butterfly Valves for General Purposes	Leakage Test	IS 13095: 2020
27.	Cast Iron Pipes & Fittings	Coating test at a temperature of 65 degree Celsius at a temperature of 0 degree	IS 1729: 2023
28.	Cast Iron Pipes & Fittings	Coating test at a temperature of 65 degree Celsius at a temperature of 0 degree	IS 3989: 2024
29.	Cast Iron Pipes & Fittings	Coating test at a temperature of 65 degree Celsius at a	IS 15905: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
		temperature of 0 degree Celsius	
30.	Cast Iron Pipes & Fittings	Hydro static Test	IS 3989: 2024 /IS 15905: 2024
31.	Cast Iron/Ductile Iron Pipes & Fittings	Dimensions	IS 1729: 2023 / IS 8329: 2000 RA 2020 / IS 15905: 2024 / IS 3989: 2024
32.	Cast Iron/Ductile Iron Pipes & Fittings	Hammer Test	IS 15905: 2024 / IS 1729: 2023 / IS 3989: 2024
33.	Cast Iron/Ductile Iron Pipes & Fittings	Mass	IS 15905: 2024 / IS 1729: 2023 / IS 3989: 2024
34.	Cast Iron/Ductile Iron Pipes & Fittings	Crush Test	IS 15905: 2024
35.	Cold Reduced Carbon Steel Sheet and Strip Part 1 Cold Forming and Drawing Purposes and Part 2 High Tensile and Multi-phase Steel	% 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		
36.	Cold Reduced Carbon Steel Sheet and Strip Part 1 Cold Forming and Drawing Purposes and Part 2 High Tensile and Multi-phase Steel	Bend Test	IS 1599: 2023
37.	Cold Reduced Carbon Steel Sheet and Strip Part 1 Cold Forming and Drawing Purposes and Part 2 High Tensile and Multi-phase Steel	Dimensions Measurement	IS 513 (P-1 and P-2): 2016
38.	Cold Reduced Carbon Steel Sheet and Strip Part 1 Cold Forming and Drawing Purposes and Part 2 High Tensile and Multi-phase Steel	Freedom From Defects	IS 513 (P-1 and 2): 2016 RA 2021
39.	Cold Reduced Carbon Steel Sheet and Strip Part 1 Cold Forming and Drawing	Surface Finish	IS 15262: 2002 RA 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
	Purposes and Part 2 High Tensile and Multi-phase Steel		
40.	Cold Reduced Carbon Steel Sheet and Strip Part 1 Cold Forming and Drawing Purposes and Part 2 High Tensile and Multi-phase Steel	Tensile Strength	IS 1608(P-1): 2022
41.	Cold Reduced Carbon Steel Sheet and Strip Part 1 Cold Forming and Drawing Purposes and Part 2 High Tensile and Multi-phase Steel	Dimensions and Tolerances	IS 513 (P-1 and 2): 2016 RA 2021
42.	Cold Reduced Carbon Steel Sheet and Strip Part 1 Cold Forming and Drawing Purposes and Part 2 High Tensile and Multi-phase Steel	Yield Stress / 0.2 % Proof Stress	IS 1608(P-1): 2022
43.	Concertina Coil	Diameter of Spring Wire	IS 4454 (P-1): 2001 RA 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
44.	Concertina coil	Pitch Between the barbs	CPWD Specification Vol. 2: 2019, Clause 16.45.1: 2019
45.	Concertina coil	Tensile Strength of Spring wire	IS 1608(P-1): 2022
46.	Concertina coil	Weight of Concertina coil	CPWD Specification 524 Vol. 2: 2019, Clause 16.45.1: 2019
47.	Copper alloy single taps, combination tap assemblies, stop valves and single lever mixers for water services	Dimensions	IS 8931: 2021
48.	Copper alloy single taps, combination tap assemblies, stop valves and single lever mixers for water services	Finish	IS 8931: 2021
49.	Copper alloy single taps, combination tap assemblies, stop valves and single lever mixers for water services	Hydraulic Characteristics (Flow Rate)	IS 8931: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
50.	Copper alloy single taps, combination tap assemblies, stop valves and single lever mixers for water services	Manufacture/ Workmanship and Construction	IS 8931: 2021
51.	Copper alloy single taps, combination tap assemblies, stop valves and single lever mixers for water services	Mechanical Endurance Characteristics	IS 8931: 2021
52.	Copper alloy single taps, combination tap assemblies, stop valves and single lever mixers for water services	Mechanical Strength Characteristic	IS 8931: 2021
53.	Copper alloy single taps, combination tap assemblies, stop valves and single lever mixers for water services	Pressure Resistance Characteristic	Is 8931: 2021
54.	Copper alloy single taps, combination tap assemblies,		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
	stop valves and single lever mixers for water services	Water Tightness Characteristic	Is 8931: 2021
55.	Ductile iron pipes & fittings	Brinel Hardness	IS 1500 (P-1 & 2): 2019 RA 2024
56.	Ductile iron pipes & fittings	Elongation %	IS 1608 (P-1):2022
57.	Ductile iron pipes & fittings	Tensile Strength	IS 1608 (P-1):2022
58.	Fasteners made of carbon steel and alloy steel " bolts, screws and studs	% Elongation	IS 1608(P-1): 2022
59.	Fasteners made of carbon steel and alloy steel " bolts, screws and studs	Impact Strength	IS 1757 Part-1:2020
60.	Fasteners made of carbon steel and alloy steel " bolts, screws and studs	Rockwell Hardness	IS 1586 (P-1):2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
61.	Fasteners made of carbon steel and alloy steel â€” bolts, screws and studs	Rockwell Hardness, HRBW	IS 1586 (P-1):2025
62.	Fasteners made of carbon steel and alloy steel â€” bolts, screws and studs	Tensile Strength	IS 1608(P-1): 2022
63.	Fasteners made of carbon steel and alloy steel â€” bolts, screws and studs	Yield Stress	IS 1608(P-1): 2022
64.	Fillet Weld Fracture Test	Macro Examination	IS 3600 (P-9): 2025 / ASME SECTION IX: 2019
65.	Fillet Weld Fracture Test	Root Bend	IS 3600 (P-5) 2025 &(Part-7): 1985 RA 2019 / ASME SECTION IX: 2019
66.	Fillet Weld Fracture Test	Side Bend	ASME SECTION IX: 2019 / IS 3600(P-6): 2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
67.	Galvanized Sheet- Corrugated	% Elongation	IS 1608(P-1): 2022
68.	Galvanized Sheet- Corrugated	Bent Test	IS 1599: 2023
69.	Galvanized Sheet- Corrugated	Depth	IS 277: 2018 RA 2022
70.	Galvanized Sheet- Corrugated	Freedom From Defects	IS 277: 2018 RA 2022
71.	Galvanized Sheet- Corrugated	Length	IS 277: 2018 RA 2022
72.	Galvanized Sheet- Corrugated	Mass	IS 277: 2018 RA 2022
73.	Galvanized Sheet- Corrugated	Tensile Strength	IS 1608(P-1): 2022
74.	Galvanized Sheet- Corrugated	Thickness	IS 277: 2018 RA 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
75.	Galvanized Sheet- Corrugated	Width	IS 277: 2018 RA 2022
76.	Galvanized Sheet- Corrugated	% Elongation	IS 1608(P-1): 2022
77.	Galvanized Sheet- Corrugated	Bent Test	IS 1599: 2023
78.	Galvanized Sheet- Corrugated	Depth	IS 277: 2018 RA 2022
79.	Galvanized Sheet- Corrugated	Freedom From Defects	IS 277: 2018 RA 2022
80.	Galvanized Sheet- Corrugated	Length	IS 277: 2018 RA 2022
81.	Galvanized Sheet- Corrugated	Mass	IS 277: 2018 RA 2022
82.	Galvanized Sheet- Corrugated	Tensile Strength	IS 1608(P-1): 2022
83.	Galvanized Sheet- Corrugated	Thickness	IS 277: 2018 RA 2022
84.	Galvanized Sheet- Corrugated	Width	IS 277: 2018 RA 2022
85.	Galvanized Steel Barbed Wire for Fencing	Breaking Load of Completed barbed Wire	IS 247: 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
86.	Galvanized Steel Barbed Wire for Fencing	Diameter of Line Wire	IS 278: 2009 RA 2020
87.	Galvanized Steel Barbed Wire for Fencing	Diameter of Point Wire	IS 278: 2009 RA 2020
88.	Galvanized Steel Barbed Wire for Fencing	Distance Between Two Wire	IS 278: 2009 RA 2020
89.	Galvanized Steel Barbed Wire for Fencing	Mass of Completed Barbed Wire	IS 278: 2009 RA 2020
90.	Galvanized Steel Barbed Wire for Fencing	No. of Lays Between the Two Consecutive Bars	IS 278: 2009 RA 2020
91.	Galvanized Steel Barbed Wire for Fencing	Tensile Strength of Line Wire	IS 278: 2009 RA 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
92.	High strength deformed steel bars and wires for concrete reinforcement	Bond Test - Deformation and Surface Characteristic	IS 1786: 2008 RA 2018
93.	High strength deformed steel bars and wires for concrete reinforcement	Specified Length	IS 1786: 2008 RA 2018
94.	High strength deformed steel bars and wires for concrete reinforcement	% Total Elongation at Maximum Force	IS 1608(P-1): 2022
95.	High strength deformed steel bars and wires for concrete reinforcement	Deformation & Surface Characteristics Mean Area of Rib	IS 1786: 2008 RA 2018
96.	High strength deformed steel bars and wires for concrete reinforcement	Deformation & Surface Characteristics Mean Projected Area of Transverse Rib	IS 1786: 2008 RA 2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
97.	High strength deformed steel bars and wires for concrete reinforcement	Effective Cross- Section Area	IS 1786: 2008 RA 2018
98.	High strength deformed steel bars and wires for concrete reinforcement	Nominal Cross- Sectional Area	IS 1786: 2008 RA 2018
99.	High strength deformed steel bars and wires for concrete reinforcement	Surface Defects	IS 1786: 2008 RA 2018
100.	High strength deformed steel bars and wires for concrete reinforcement	TS/YS Ratio	IS 1608(P-1): 2022
101.	Hollow Steel Section for Structural Use	Dimension - Outside Dimension	IS 4923: 2017 RA 2023
102.	Hollow Steel Section for Structural Use	Length	IS 4923: 2017 RA 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
103.	Hollow Steel Section for Structural Use	Mass	IS 4923: 2017 RA 2023
104.	Hollow Steel Section for Structural Use	Thickness	IS 4923: 2017 RA 2023
105.	Hot Rolled Carbon Steel Sheet, Plate and Strip	% Elongation	IS 1608(P-1): 2022
106.	Hot Rolled Carbon Steel Sheet, Plate and Strip	Bend Test	IS 1599: 2023
107.	Hot Rolled Carbon Steel Sheet, Plate and Strip	Dimension	IS 1730: 1989 RA 2019
108.	Hot Rolled Carbon Steel Sheet, Plate and Strip	Freedom From Defects	IS 1079: 2017 RA 2022
109.	Hot Rolled Carbon Steel Sheet, Plate and Strip	Mass	IS 1079: 2017 RA 2022
110.	Hot Rolled Carbon Steel Sheet, Plate and Strip	Tensile Strength	IS 1608(P-1): 2022

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
111.	Hot Rolled Carbon Steel Sheet, Plate and Strip	Tolerances Measurement	IS 1730: 1989 RA 2019
112.	Hot Rolled Carbon Steel Sheet, Plate and Strip	Yield Strength	IS 1608(P-1): 2022
113.	Hot Rolled Medium and High Tensile Steel	Bend Test	IS 1599: 2023
114.	Hot Rolled Medium and High Tensile Steel	Elongation %	IS 1608(P-1): 2022
115.	Hot Rolled Medium and High Tensile I Steel	Freedom From Defects	IS 2062 (P-1): 2025
116.	Hot Rolled Medium and High Tensile Steel	Impact Test	IS 1757(P-1): 2020
117.	Hot Rolled Medium and High Tensile Steel	Length	IS 1730: 1989 RA 2019/ IS 1732: 1989 RA 2019/ IS 1852: 1985 RA 2022/ IS 2676: 1981 RA 2022/ IS 2677: 2014 RA 2022/ IS 2826: 1986 RA 2021 / IS 808: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
118.	Hot Rolled Medium and High Tensile Steel	Mass	IS 1730: 1989/ IS 1732: 1989/ IS 808: 2021
119.	Hot Rolled Medium and High Tensile Steel	Tensile Test	IS 1608(P-1): 2022
120.	Hot Rolled Medium and High Tensile Steel	Thickness	IS 1730: 1989 RA 2019/ IS 1732: 1989 RA 2019/ IS 1852: 1985 RA 2022/ IS 2676: 1981 RA 2022/ IS 2677: 2014 RA 2022/ IS 2826: 1986 RA 2021 / IS 808: 2021
121.	Hot Rolled Medium and High Tensile Steel	Width	IS 1730: 1989 RA 2019/ IS 1732: 1989 RA 2019/ IS 1852: 1985 RA 2022/ IS 2676: 1981 RA 2022/ IS 2677: 2014 RA 2022/ IS 2826: 1986 RA 2021 / IS 808: 2021
122.	Hot Rolled Medium and High Tensile Steel	Yield Stress	IS 1608(P-1): 2022
123.	Hot Rolled Steel Strip for Welded Tubes and Pipes	% Elongation	IS 1608(P-1): 2022
124.	Hot Rolled Steel Strip for		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
	Welded Tubes and Pipes	Bend Test	IS 10748: 2025
125.	Hot Rolled Steel Strip for Welded Tubes and Pipes	Dimension Measurement	IS 10748: 2025
126.	Hot Rolled Steel Strip for Welded Tubes and Pipes	Freedom From Defects	IS 10748: 2025
127.	Hot Rolled Steel Strip for Welded Tubes and Pipes	Tensile Strength	IS 1608(P-1): 2022
128.	Hot Rolled Steel Strip for Welded Tubes and Pipes	Tolerances Measurement	IS 10748: 2025
129.	Hot Rolled Steel Strip for Welded Tubes and Pipes	Yield Stress	IS 1608(P-1): 2022
130.	Indented wire For prestressed concrete	Dimensions	IS 6003: 2010 RA 2021
131.	Indented wire for prestressed concrete	0.2% Proof Stress	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		
132.	Indented wire for prestressed concrete	Elongation After Fracture	IS 1608 (P-1):2022
133.	Indented wire for prestressed concrete	Mass	IS 6003: 2010 RA 2021
134.	Indented wire for prestressed concrete	Reverse Bend Test	IS 6003: 2010 RA 2021
135.	Indented wire for prestressed concrete	Tensile Strength	IS 1608 (P-1): 2022
136.	Metallic Coating (Ferrous and non-Ferrous)	Mass of zinc Coating	IS 6745: 1972 RA 2021
137.	Metallic Materials	Rockwell Hardness	IS 1586(P-1): 2025
138.	Metallic Materials	Rockwell Hardness (HRBW)	IS 1586(P-1): 2025
139.	Mild Steel and Medium Tensile Steel Bars and Hard-		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
	Drawn Steel Wire for Concrete Reinforcement	% Elongation	IS 1608(P-1): 2022
140.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement	Bend Test	IS 1599: 2023
141.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement	Dimensions	IS 432 (P-1 and 2): 1982 RA 2020
142.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement	Freedom From Defects	IS 432 (P-1 and 2): 1982 RA 2020
143.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement	Mass	IS 1732: 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
144.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement	Tensile Strength	IS 1608(P-1): 2022
145.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement	Yield Stress / 0.2% Proof Stress	IS 1608(P-1): 2022
146.	Mild steel wire for general engineering purposes	Diameter	IS 280: 2006 RA 2021
147.	Mild Steel Wire for General Engineering Purposes	Freedom From Defects	IS 280: 2006 RA 2021
148.	Mild Steel Wire for General Engineering Purposes	Freedom from defects	IS 280: 2006 RA 2021
149.	Mild Steel Wire for General Engineering Purposes	Size and Tolerances	IS 280: 2006 RA 2021
150.	Mild steel wire for general engineering purposes	Tensile Strength	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		
151.	Mild steel wire rods for general engineering purposes	Freedom From Defects	IS 7887: 1992 RA 2022
152.	Mild steel wire rods for general engineering purposes	Size and Tolerance- out of shape	IS 7887: 1992 RA 2022
153.	Mild steel wire rods for general engineering purposes	Size and Tolerances - Diameter	IS 7887: 1992 RA 2022
154.	Precast Concrete Pipes (with or without Reinforcement)	Barrel Wall Thickness	IS: 458: 2021
155.	Precast Concrete Pipes (with or without Reinforcement)	Hydrostatic Test	IS: 3597: 1998 RA 2023
156.	Precast Concrete Pipes (with or without Reinforcement)	Internal Diameter of Pipes	IS: 458: 2021
157.	Precast Concrete Pipes (with or without Reinforcement)	Minimum number of longitudinal mild steel or hard drawn steel	IS: 458: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
158.	Precast Concrete Pipes (with or without Reinforcement)	Weight of longitudinal, Mild Steel or Hard Drawn Steel	IS: 458: 2021
159.	Precast Concrete Pipes (with or without Reinforcement)	Weight of Spiral, Hard Drawn Steel Wire	IS: 458: 2021
160.	Precast Concrete Pipes (with or without Reinforcement)	Workmanship and Finish	IS: 458: 2021
161.	Reinforcement Couplers for Mechanical Splices of Bars in Concrete	Elongation	IS 1608(P-1): 2022
162.	Reinforcement Couplers for Mechanical Splices of Bars in Concrete	Slip test	IS 16172: 2023
163.	Reinforcement Couplers for Mechanical Splices of Bars in Concrete	Tensile Strength	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		
164.	Reinforcement Couplers for Mechanical Splices of Bars in Concrete	Workmanship And Finish	IS 16172: 2023
165.	Stainless Steel Plate, Sheet and Strip	% Elongation	IS 1608(P-1): 2022
166.	Stainless Steel Plate, Sheet and Strip	Bend Test	IS 1599: 2023
167.	Stainless Steel Plate, Sheet and Strip	Brinell Hardness	IS 1500 (P-1): 2019 RA 2024
168.	Stainless Steel Plate, Sheet and Strip	Corrosion Resistance	IS 10461(P-1 & 2): 1994 RA 2021
169.	Stainless Steel Plate, Sheet and Strip	Dimension & Tolerance Measurement	IS 6911: 2026
170.	Stainless Steel Plate, Sheet and Strip	Erichsen Cupping Test	IS 10175: 2018 RA 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
171.	Stainless Steel Plate, Sheet and Strip	Freedom From Defects	IS 6911: 2026
172.	Stainless Steel Plate, Sheet and Strip	Hardness Test	IS 1586(P-1): 2025
173.	Stainless Steel Plate, Sheet and Strip	Marking	IS 6911: 2026
174.	Stainless Steel Plate, Sheet and Strip	Surface Finish	IS 6911: 2026
175.	Stainless Steel Plate, Sheet and Strip	Tensile Strength	IS 1608(P-1): 2022
176.	Stainless Steel Plate, Sheet and Strip	Yield Stress / 0.2% Proof Stress	IS 1608(P-1): 2022
177.	Steel Chequered Plates	Calculation of Mass	IS 3502: 2009 RA 2021
178.	Steel Chequered Plates	Chequered Height	IS 3502: 2009 RA 2021
179.	Steel Chequered Plates	Freedom From Defects	IS 3502: 2009 RA 2021
180.	Steel Chequered Plates	Length/Width	IS 3502: 2009 RA 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
181.	Steel Chequered Plates	Thickness	IS 3502: 2009 RA 2021
182.	Steel Pipe for Water and Sewage - Seamless and Welded	Dimension- Outside Diameter	IS 3502: 2009 RA 2021
183.	Steel Pipe for Water and Sewage - Seamless and Welded	Elongation	IS 1608(P-1): 2022
184.	Steel Pipe for Water and Sewage - Seamless and Welded	Flattening Test	IS 2328: 2018 RA 2023
185.	Steel Pipe for Water and Sewage - Seamless and Welded	Length	IS 3589: 2001 RA 2022
186.	Steel Pipe for Water and Sewage - Seamless and Welded	Tensile Strength	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		
187.	Steel Pipe for Water and Sewage - Seamless and Welded	Thickness	IS 3589: 2001 RA 2022
188.	Steel Pipe for Water and Sewage - Seamless and Welded	Visual Inspection Appearance and Workmanship	IS 3589: 2001 RA 2022
189.	Steel Pipe for Water and Sewage - Seamless and Welded	Yield Stress	IS 1608(P-1): 2022
190.	Steel Butt Hinges	Screw Holes	IS: 6760: 1972 RA 2021
191.	Steel Butt Hinges	Position of Holes	IS 1341: 2018
192.	Steel Butt Hinges	Finish	IS 1341: 2018
193.	Steel Butt Hinges	Dimensions	IS: 1341: 2018
194.	Steel Butt Hinges	Number of Knuckles	IS: 1341: 2018
195.	Welded Wire Mesh	Dimension	IS 1566: 1982 RA 2020
196.	Welded Wire Mesh	Elongation	IS 1608 (Part-1): 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
197.	Welded Wire Mesh	Mesh Wire Diameter	IS 432 (Part-2): 1982 RA 2020
198.	Welded Wire Mesh	Tensile Strength	IS 1608 (Part-1): 2022
199.	Welded Wire Mesh	Yield Strength	IS 1608 (Part-1): 2022
200.	Steel Pipes for Water and Sewage	Hydraulic Pressure Test	IS 3589: 2001 RA 2022
201.	Steel tubes for mechanical and general engineering purposes	% Elongation	IS 1608(P-1): 2022
202.		Bend Test	IS 3601: 2006 RA 2022
203.		Dimension - Outside Diameter	IS 3601: 2006 RA 2022
204.		Flattening Test	IS 2328: 2018 RA 2023
205.		Length	IS 3601: 2006 RA 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
206.	Steel tubes for mechanical and general engineering purposes	Mass	IS 3601: 2006 RA 2022
207.		Straightness	IS 3601: 2006 RA 2022
208.		Tensile Strength	IS 1608(P-1): 2022
209.		Thickness	IS 3601: 2006 RA 2022
210.		Workmanship	IS 3601: 2006 RA 2022
211.		Yield Stress	IS 1608(P-1): 2022
212.	Steel Tubes/ Pipe	Bend Test	IS 2329: 2005 RA 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
213.	Steel Tubes/ Pipe	Dimension - Outside Diameter	IS 1161: 2014 RA 2019
214.		Dimension - Outside Diameter	IS 1239 (P-1): 2004 RA 2014
215.		Leak Proof Test	IS 1239 (P-1): 2004 RA 2014
216.		Length	IS 1239 (P-1): 2004 RA 2014
217.		Marking	IS 1239 (P-1): 2004 RA 2014
218.		Mass	IS 1161: 2014 RA 2019
219.		Mass	IS 1239 (P-1): 2004 RA 2014
220.		Straightness	IS 1161: 2014 RA 2019
221.		Thickness	IS 1161: 2014 RA 2019
222.		Thickness	IS 1239 (P-1): 2004 RA 2014
223.		Workmanship	IS 1161: 2014 RA 2019
224.		Workmanship	IS 1239 (P-1): 2004 RA 2014

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
225.	Uncoated stress relieved low relaxation seven ply strand wire	Yield Stress	IS 1608(P-1): 2022
226.		Tensile Strength	IS 1608(P-1): 2022
227.		% Elongation	IS 1608(P-1): 2022
228.		0.2 % Proof Load	IS 1608(P-1): 2022
229.		Breaking strength	IS 1608(P-1): 2022
230.		Diameter difference between centre and surrounding wire	IS 14268: 2022
231.		Length of Lay	IS 14268: 2022
232.		Modulus of Elasticity	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		
233.	Uncoated stress relieved low relaxation seven ply strand wire	Nominal Area	IS 14268: 2022
234.		Nominal Diameter	IS 14268: 2022
235.		Nominal Mass	IS 14268: 2022
236.		Workmanship & Finish	IS 14268: 2022
237.	Welds & welded specimens	Face Bend	IS 3600(P-5) 2025&(P-7): 1985/ ASME SECTION IX: 2019
238.		Fillet Weld Fracture Test	IS 3600 (P-1): 2022/ASME SECTION IX: 2019
239.		Tensile Test	ASME SECTION IX 2019 / IS 3600 (Part 4):2024
240.		Transverse Tensile Strength	IS 3600(P-3): 2025/ASME SECTION IX: 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
241.	Wrought Aluminium Utensils	Colour	IS 1660: 2024
242.		Handles	IS 1660: 2024
243.		Hardness	IS 1660: 2024
244.		Marking	IS 1660: 2024
245.		Test For Lunch Boxes- Performance Test	IS 1660: 2024
246.		Abrasion Resistance	IS 1660: 2024
247.		Fabrication (Reduction in thickness)	IS 1660: 2024
248.		Shape and Dimensions	IS 1660: 2024
249.		Test For Lunch Boxes-Ground Nut Oil Test for Leakage	IS 1660: 2024
250.		Workmanship and Finish	IS 1660: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
251.	Wrought Aluminium And aluminium Alloy Rivet Stock for general Engineering Purposes	Freedom From Defects	IS 740: 1977 RA 2022
252.	Wrought Aluminum and Aluminium Alloy for Manufacture of Utensils	Tensile Strength	IS 1608 (P-1):2022
253.		0.2% Proof Stress	IS 1608 (P-1):2022
254.		Bend Test	IS 1599: 2023
255.		Elongation % on 50 mm Gauge Length	IS 1608 (P-1):2022
256.		Marking	IS 21: 2025
257.	Wrought Aluminum and Aluminium Alloy Rivet Stock for General Engineering Purposes	Dimension & Tolerances	IS 740: 1977 RA 2022
258.		Head Forming Test	IS 740: 1977 RA 2022
259.		Marking	IS 740: 1977 RA 2022
260.		Tensile Strength	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		
261.	Covered Electrodes for Manual Metal Arc Welding of Carbon and Carbon Manganese Steel	Welded Electrode Size	IS: 814-2004 RA 2021
262.		Length	IS: 814-2004 RA 2021
263.		Tensile Strength	IS: 1608 (P-1) 2022
264.		Yield stress	IS: 1608 (P-1) 2022
265.		Elongation	IS: 1608 (P-1) 2022
266.	Stainless Steel Sinks for Domestic Purposes	Thickness	IS: 13983 – 1994 RA 2019
267.		Depth of Bowls	IS: 13983 – 1994 RA 2019
268.		Internal Dimension of Bowls	IS: 13983 – 1994 RA 2019
269.		Marking	IS: 13983 – 1994 RA 2019
270.	Door Handles for Mortice Locks	Manufacture and Construction	IS: 4992-2024
271.		Performance Requirement	IS: 4992-2024
272.		Workmanship	IS: 4992-2024
273.		Handle Rotation Terminology	IS: 4992-2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
274.	Door Handles for Mortice Locks	Centre Distance	IS: 4992-2024
275.	Stainless Steel Utensils	Shapes & Dimensions	IS: 14756-2024
276.		Workmanship & Finish	IS: 14756-2024
277.		Staining Test	IS: 14756-2024
278.		Mechanical shock test	IS: 14756-2024
279.		Thermal shock test	IS: 14756-2024
280.		Dry Heat test	IS: 14756-2024
281.		Coating thickness Test (For Copper Deposit)	IS: 14756-2024
282.	Stainless Steel Utensils	Nominal Capacity Test	IS: 14756-2024
283.		Fragmentation Test	IS: 14756-2024
284.		Ball Drop Test	IS: 14756-2024
285.		Thermal Shock Test	IS: 14756-2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
286.	Stainless Steel Utensils	Free Fall Test	IS: 14756-2024
287.	Welded Material	Elongation	IS: 1608 (Part-1): 2022
288.		Fillet Weld Fracture	IS: 7307 (Part-1): 1974 RA 2019
289.		Macro examination	IS: 7307 (Part-1): 1974 RA 2019
290.		Tensile Strength	IS: 1608 (Part-1): 2022
291.		Yield Stress	IS: 1608 (Part-1): 2022
292.	Domestic Pressure Cooker Specification	Spring Test	IS 2347:2023
293.	Domestic Pressure Cooker Specification	Visual Pressure Indicator	IS 2347:2023
294.	Domestic Pressure Cooker Specification	Gaskets Release System	IS 2347:2023
295.	Domestic Pressure Cooker Specification	Temperature Responsive Safety Relief Device	IS 2347:2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
296.	Domestic Pressure Cooker Specification	Internal Level Marking	IS 2347:2023
297.	Domestic Pressure Cooker Specification	Workmanship & Finish	IS 2347:2023
298.	Domestic Pressure Cooker Specification	Test for Spring Loaded Mechanism	IS 2347:2023
299.	Domestic Pressure Cooker Specification	Internal Coating	IS 2347:2023
300.	Domestic Pressure Cooker Specification	Fragmentation Test	IS 2347:2023
301.	Domestic Pressure Cooker Specification	Ball Drop Test	IS 2347:2023
302.	Domestic Pressure Cooker Specification	Thermal Shock Test	IS 2347:2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
303.	Domestic Pressure Cooker Specification	Free fall Test	IS 2347:2023
304.	Domestic Pressure Cooker Specification	Test for Effectiveness for Induction Bottom	IS 2347:2023
305.	Domestic Pressure Cooker Specification	Marking	IS 2347:2023
306.	Stainless Steel Utensils	Marking	IS 14756:2024
307.	Stainless Steel Utensils	Classification	IS 14756:2024
308.	Wrought and Cast Aluminium Utensils	Classification	IS 1660:2024
309.	Wrought and Cast Aluminium Utensils	Fragmentation Test	IS 1660:2024
310.	Wrought and Cast Aluminium Utensils	Ball Drop Test	IS 1660:2024
311.	Wrought and Cast Aluminium Utensils	Thermal Shock Test	IS 1660:2024
312.	Wrought and Cast Aluminium Utensils	Free fall Test	IS 1660:2024
313.	Wrought and Cast Aluminium Utensils	Induction Friendly Base,	IS 1660:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
314.	Wrought and Cast Aluminium Utensils	Non-Stick Unreinforced PTFE Coating	IS 9730:2008
315.	Copper Alloy Single Taps, Combination Tap Assemblies, Stop Valves and Single Lever Mixers for Water Services	Classification	IS 8931:2021
316.	Stainless Steel Plate, Sheet and Strip	Heat Treatment	IS 6911:2026
317.	Dimensions for wrought Aluminium and Aluminium alloys, bar, rod and section, Dimensions for wrought Aluminium and Aluminium alloys, extruded hollow sections, dimensions for wrought Aluminium and Aluminium alloys extruded round tube, wrought Aluminium and Aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications	Dimension	IS 3965:1981

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
318.	Dimensions for wrought aluminium and aluminium alloys, bar, rod and section, dimensions for wrought aluminium and aluminium alloys, extruded hollow sections, dimensions for wrought aluminium and aluminium alloys extruded round tube, wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications	Dimension	IS 6477:1983
319.	Dimensions for wrought aluminium and aluminium alloys, bar, rod and section, dimensions for wrought aluminium and aluminium alloys, extruded hollow sections, dimensions for wrought aluminium and aluminium alloys extruded	Dimension	IS 2673:2002

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
	round tube, wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications		
320.	wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications	0.2 % Proof Stress	IS 1608(P-1)2022
321.	Wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications	Tensile Strength	IS 1608(P-1)2022
322.	Wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications	Elongation	IS 1608(P-1)2022
323.	Wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and	Freedom From Defect	IS 5082:1998

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
	sheets for electrical applications		
324.	Wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications	Bend Test	IS 1599:2023
325.	Wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications	Maximum Electrical Resistivity at 20°C	IS 3635:1966
326.	Wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications	Electrical Conductivity at 20°C	IS 3635:1966
327.	Deepwell handpumps, components and special tools	Dimension	IS 15500(P-1 to 8)2021
328.	Deepwell handpumps, components and special tools	Yield Stress	IS 1608(P-1to 8)2022
329.	Deepwell handpumps, components and special tools	Tensile Strength	IS 1608(P-1to 8)2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
330.	Deepwell handpumps, components and special tools	Elongation	IS 1608(P-1to 8)2022
331.	Deepwell handpumps, components and special tools	Bend Test	IS 1608(P-1to 8)2022



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance durability/Safety Test		
1.	Cooker Handle and Handle Assemblies Attached to Cookware	Attachment to Cookware (Torque Measurement)	Cl.4.5 of IS 13395: 2021
2.	Cooker Handle and Handle Assemblies Attached to Cookware	Bending Strength	Cl.5.2 of IS 13395: 2021
3.	Cooker Handle and Handle Assemblies Attached to Cookware	Burning Resistance	Cl.5.10 of IS 13395: 2021
4.	Cooker Handle and Handle Assemblies Attached to Cookware	Fatigue Resistance	Cl.5.5 of IS 13395: 2021
5.	Cooker Handle and Handle Assemblies Attached to Cookware	Heat Resistance	Cl.5.8 of IS 13395: 2021
6.	Cooker Handle and Handle Assemblies Attached to Cookware	Impact Resistance	Cl.5.4 of IS 13395: 2021
7.	Cooker Handle and Handle Assemblies Attached to Cookware	Leakage	Cl.5.6 of IS 13395: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance durability/Safety Test		
8.	Cooker Handle and Handle Assemblies Attached to Cookware	Position With Respect to Cookware	Cl.4.4 of IS 13395: 2021
9.	Cooker Handle and Handle Assemblies Attached to Cookware	Selection And Size	Cl.4.3 of IS 13395: 2021
10.	Cooker Handle and Handle Assemblies Attached to Cookware	Thermal Insulation	Cl.5.7 of IS 13395: 2021
11.	Cooker Handle and Handle Assemblies Attached to Cookware	Torque Strength	Cl.5.3 of IS 13395: 2021
12.	Cooker Handle and Handle Assemblies Attached to Cookware	Washing Resistance	Cl.5.9 of IS 13395: 2021
13.	Domestic Gas stove for use with LPG	Burner Pan Supports	IS: 4246: 2025
14.	Domestic Gas Stoves for use with LPG	Surface of Glass or Glass Ceramic a) General Verification of the Strength of the gas stove surface of toughened glass top	IS: 4246: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance durability/Safety Test		
		against thermal stress b) Fragmentation test of the toughened glass stove top	
15.	Domestic Gas Stoves for use with LPG	Burners	IS: 5116, Cl. 10: 2020 RA 2018
16.	Domestic Gas Stoves for use with LPG	Combustion	IS: 4246: 2025
17.	Domestic Gas Stoves for use with LPG	Design For Maintenance	IS: 4246: 2025
18.	Domestic Gas Stoves for use with LPG	Fire Hazard & Limiting Temp.	IS: 4246: 2025
19.	Domestic Gas Stoves for use with LPG	Fire Hazard & Limiting Temp.	IS:5116: 2020
20.	Domestic Gas Stoves for use with LPG	Flame stability	IS: 4246: 2025
21.	Domestic Gas Stoves for use with LPG	Flash Back	IS: 4246: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance durability/Safety Test		
22.	Domestic Gas Stoves for use with LPG	Formation of Soot	IS: 4246: 2025
23.	Domestic Gas Stoves for use with LPG	Gas consumption	IS: 4246: 2025
24.	Domestic Gas Stoves for use with LPG	Gas inlet connection	IS: 4246: 2025
25.	Domestic Gas Stoves for use with LPG	Gas Leak Detector	IS: 4246: 2025
26.	Domestic Gas Stoves for use with LPG	Gas Soundness	IS: 4246: 2025
27.	Domestic Gas Stoves for use with LPG	Gas Tap	IS: 4246: 2025
28.	Domestic Gas Stoves for use with LPG	General	IS: 4246: 2025
29.	Domestic Gas Stoves for use with LPG	Ignition and Flame Travel	IS: 4246: 2025
30.	Domestic Gas Stoves for use with LPG	Injector Jets, Across flats, Projection threads	IS: 4246: 2025
31.	Domestic Gas Stoves for use with LPG	Materials (Ageing, Flashback)	IS: 4246: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance durability/Safety Test		
32.	Domestic Gas Stoves for use with LPG	Materials (Change in weight & Volume)	IS:5116, Cl 5.0 to 5.7: 2020 / IS:2305, Cl. 3:1988 RA 2021
33.	Domestic Gas Stoves for use with LPG	Noise Control	IS: 4246: 2025
34.	Domestic Gas Stoves for use with LPG	Resistance to Draught	IS: 4246: 2025
35.	Domestic Gas Stoves for use with LPG	Rigidity and Stability	IS: 4246: 2025
36.	Domestic Gas Stoves for use with LPG	Strength and Rigidity	IS: 4246: 2025
37.	Domestic Gas Stoves for use with LPG	Thermal Efficiency	IS: 4246: 2025
38.	Domestic Gas Stoves for use with LPG	Workmanship and Finish	IS: 4246: 2025
39.	Domestic Gas Stoves for use with LPG	Workmanship and Finish	IS:5116, Cl-7 to 7.7: 2020
40.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Additionally (mechanical) change to the glass tops pan support for an uncovered burner thermal shock test	IS: 4246: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance durability/Safety Test		
41.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Deviation on holes and position of holes	IS: 2553 (P-1):2018
42.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Dimension (Length/Width)	IS: 2553 (Part-1): 2018
43.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Dimension of bati inverted vessel tandoori maker stand	IS: 4246: 2025
44.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Fabrication in glass (diameter holes, limitations on position of holes)	IS: 2553 (P-1):2018 / IS: 4246:2025
45.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Flatness (Overall bow, Roller wave, distortion edge lifts local distortion)	IS: 17004: 2018 RA 2024 / IS: 4246 :2025
46.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Fragmentation test	IS: 17004: 2018 RA 2024 / IS: 4246 :2025
47.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Notches and cut - out edge working of glass for toughening	IS: 2553 (P-1):2018
48.	Domestic Gas Stoves for use with LPG with toughened	Resistance to Impact (Resistance to shock)	IS: 17004: 2018 RA 2024/ IS: 4246 Amd.5: 2002

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance durability/Safety Test		
	glass and glassware		
49.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Squareness	IS: 4246: 2025
50.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Surface of glass or glass ceramic top, edges, corners, thickness of aluminium foil and making instruction	IS: 4246: 2025
51.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Temperature of glass	IS: 4246: 2025
52.	Domestic Gas Stoves for use with LPG with toughened glass and glassware	Thickness	IS: 14900: 2018 RA 2023/ IS: 17004: 2018 RA 2024
53.	Domestic Pressure Cooker	Air Pressure Test	IS 2347: 2023
54.	Domestic Pressure Cooker	Bursting Pressure Test	IS 2347: 2023
55.	Domestic Pressure Cooker	Capacity	IS 2347: 2023
56.	Domestic Pressure Cooker	Hardness Test for Hard Anodized Surface	IS 2347: 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance durability/Safety Test		
57.	Domestic Pressure Cooker	Operating Test for Pressure Regulating Device	IS 2347: 2023
58.	Domestic Pressure Cooker	Proof Pressure Test	IS 2347: 2023
59.	Domestic Pressure Cooker	Resistance to Staining and Alkali Resistance of Anodized Coating	IS 2347: 2023
60.	Domestic Pressure Cooker	Safety Relief Device	IS 2347: 2023
61.	Domestic Pressure Cooker	Test For Induction Bottom	IS 2347: 2023
62.	Domestic Pressure Cooker	Test for Removal of Lid under Pressure	IS 2347: 2023
63.	Domestic Pressure Cooker	Test for Safety Pressure Relief Device	IS 2347: 2023
64.	Domestic Pressure Cooker	Test For Safety Pressure Relief Device	IS 2347: 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance durability/Safety Test		
65.	Domestic Pressure Cooker	Test For Stainless Steel Cookers Composite Cooker Base/ Bottom	IS 2347: 2023



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
1.	Block Board	Dimensional change caused by humidity	IS:1659: 2004, RA-2019: Cl.9.2.1 (Annex-E)
2.	Block Board	Edge Straightness	IS:1659: 2004, RA-2019: Cl.7.3
3.	Block Board	Mycological Test	IS:1659: 2004, RA-2019: (Annex-H): Cl.9.2.4
4.	Block Board	Resistance to water	IS 1659: 2004, RA-2019 Cl.9.2.2 (Annex F)
5.	Block Board	Spot Test	IS:1659: 2004, RA-2019: Cl 9.2.6 (Annex K)
6.	Block Board	Squareness	IS:1659: 2004, RA-2019: Cl 7.3
7.	Flush Door Shutter	Buckling	IS: 4020 (P-9): 1998 RA-2013
8.	Flush Door Shutter	Edge Loading	IS: 4020 (P-7): 1998 RA-2013
9.	Flush Door Shutter	Flexure Test	IS: 4020 (P-6): 1998 RA-2013
10.	Flush door Shutter	General Flatness	IS: 4020 (P-3): 1998 RA-2013
11.	Flush Door Shutter	Impact Indentation Test	IS: 4020 (P-5): 1998 RA-2013
12.	Flush Door Shutter	Local Planeness	IS: 4020 (P-4): 1998 RA-2013
13.	Flush Door Shutter	Misuse Test	IS:4020 (P-11): 1998RA-2013
14.	Flush Door Shutter	Screw Withdrawal Resistance Test	IS 4020 (P-16): 1988, RA-2013
15.	Flush Door Shutter	Shock Resistance	IS: 4020 (P-8): 1998, RA-2013

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
16.	Flush Door Shutter	Slamming Dimensions	IS:4020 (P-10): 1998, RA-2013
17.	Flush door shutter	Squareness	IS: 4020 (Part-2): 1998, RA-2018
18.	Flush Door Shutter	varying Humidity	IS:4020 (P-12): 1998, RA-2018
19.	Flush Door Shutter	Workmanship and Finish	IS: 2202 (Part-1):2023 Cl.9
20.	Marine Plywood	Tensile Strength	IS 1734(P-9) :1983 RA-2018
21.	Marine Plywood	Water Resistance	IS 1734 (P-6): 1983RA-2018
22.	Medium Density Fiber Boards for General Purpose	Finish	IS: 12406: 2025
23.	Medium Density Fiber Boards for General Purpose	Internal Bond Strength	IS: 12406: 2025
24.	Medium Density Fiber Boards for General Purpose	Length	IS: 12406: 2025
25.	Medium Density Fiber Boards for General Purpose	24 h thickness of swelling (due to general absorption)	IS: 12406: 2025
26.	Medium Density Fiber Boards for General Purpose	Thickness	IS: 12406: 2025
27.	Medium Density Fiber Boards for General Purpose	Width	IS: 12406: 2025
28.	Medium Density Fiber Boards for General Purpose	Squareness	IS: 12406: 2025

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
29.	Medium Density Fiber Boards for General Purpose	Edge Straightness	IS: 12406: 2025
30.	Medium Density Fiber Boards for General Purpose	Density test	IS: 12406: 2025
31.	Medium Density Fiber Boards for General Purpose	Variation from mean density	IS: 12406: 2025
32.	Medium Density Fiber Boards for General Purpose	Screw withdrawal test	IS: 12406: 2025
33.	Medium Density Fiber Boards for General Purpose	Moisture Resistance: Option 2: Boil test (1.) Internal bond strength	IS: 12406: 2025
34.	Medium Density Fiber Boards for General Purpose	Moisture Resistance: Option 1: Cyclic test (1.) Internal bond strength	IS: 12406: 2025
35.	Medium Density Fiber Boards for General Purpose	Moisture content test	IS: 12406: 2025
36.	Medium Density Fiber Boards for General Purpose	Modulus rupture	IS: 12406: 2025
37.	Medium Density Fiber Boards for General Purpose	Modulus of elasticity	IS: 12406: 2025
38.	Medium Density Fiber Boards for General Purpose	Marking	Cl. 13 of IS 3087:2005

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
39.	Medium Density Fiber Boards for General Purpose	Classification	Cl.4 of IS 12406:2025
40.	Medium Density Fiber Boards for General Purpose	Type	Cl.4 of IS 12406:2025
41.	Medium Density Fiber Boards for General Purpose	Grade	Cl.4 of IS 12406:2025
42.	Particle Board	Edge Straightness	IS:3087: 2005, RA-2020 Cl.8.3 S.No.4
43.	Particle Board	Finish	IS:3087: 2005, RA-2020 Cl.7
44.	Particle Board	Screw Withdrawal Strength	IS 2380 (P-14): 1977, RA 2018
45.	Particle Board	Squareness	IS:3087: 2005, RA-2020 Cl.8.3 S.No.5
46.	Particle Board	Tensile Strength Perpendicular to Surface	IS 2380 (P-5) :1977, RA 2018
47.	Particle Board	ThicknessSweling,2h Soaking	IS 2380 (P-17):1977, RA-2018
48.	Plywood	Glue Adhesion after Mycological Test	IS 1734(P-5&7):1983, RA-2018
49.	Plywood	Workmanship And Finish	IS 303: 2024, Cl.9
50.	Prelaminated Particle Boards	Finish	C1.7 of IS 12823: 2025
51.	Prelaminated Particle Boards	Dimensions & tolerance	C1.8 & 8.1 of IS 12823: 2025
52.	Prelaminated Particle Boards	Length	C1.8 & 8.1 of IS 12823: 2025
53.	Prelaminated Particle Boards	Width	C1.8 & 8.1 of IS 12823: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
54.	Prelaminated Particle Boards	Thickness	Cl.8.2 of IS 12823: 2025)
55.	Prelaminated Particle Boards	Edge Straightness	Cl.8.3 of IS 12823: 2025
56.	Prelaminated Particle Boards	Squareness	Cl.8.3 of IS 12823: 2025
57.	Prelaminated Particle Boards	Density	Cl. 9.1 & Table 1 of IS 12823: 2025
58.	Prelaminated Particle Boards	Density variation	Cl. 9.1 & Table1 of IS 12823: 2025
59.	Prelaminated Particle Boards	Moisture Content	Cl.9.1 & Table 1 of IS 12823: 2025
60.	Prelaminated Particle Boards	General absorption	C1.9.1 & Table 6, Table 7 of IS 12823: 2025
61.	Prelaminated Particle Boards	Thickness swelling	C1.9.1 of IS 12823: 2025
62.	Prelaminated Particle Boards	Modulus rupture	C1.9.1 & Table 4, Table 5, Table 6, Table 7 of IS 12823:2025
63.	Prelaminated Particle Boards	Modulus of elasticity	C1.9.1 & Table 4, Table 5, Table 6, Table 7 of IS 12823:2025
64.	Prelaminated Particle Boards	Internal bond Strength	C1.9.1 @ Table 4, Table 5, Table 6, Table 7 of IS 12823: 2025)
65.	Prelaminated Particle Boards	Screw withdrawal strength	C1.9.1 @ Table 4, Table 5, Table 6, Table 7 of IS 12823: 2025
66.	Prelaminated Particle Boards	Abrasion resistance	Cl.9.1 & Table 8 of IS 12823:2025
67.	Prelaminated Particle Boards	Resistance to steam	Cl.9.1 & Table 8 of IS 12823:2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
68.	Prelaminated Particle Boards	Resistance to crack	Cl.9.1 & Table 8 of IS 12823:2025
69.	Prelaminated Particle Boards	Resistance to cigarette burn	Cl.9.1 & Table 8 of IS 12823:2025
70.	Prelaminated Particle Boards	Resistance to stain	Cl.9.1 & Table 8, of IS 12823:2025
71.	Prelaminated Particle Boards	Moisture Resistance: Option 2: Boil test (1.) Internal bond strength	As per Clause 9.1, Table 6, Table 7
72.	Prelaminated Particle Boards	Moisture Resistance: Option 1: Cyclic test (1.) Internal bond strength	As per Clause 9.1, Table 6, Table 7
73.	Synthetic Resin Adhesives for Plywood	Acidity and Alkalinity (pH)	IS:848 2025
74.	Synthetic Resin Adhesives for Plywood	BWP (Boiling Water Proof)	IS:848 2025
75.	Synthetic Resin Adhesives for Plywood	BWR (Boiling Water Resistant)	IS:848 2025
76.	Synthetic Resin Adhesives for Plywood	Keeping Quality (Resistance to heat polymerization)	IS:848 2025
77.	Synthetic Resin Adhesives for Plywood	MR (Moisture Resistant)	IS:848 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
78.	Synthetic Resin Adhesives for Plywood	Setting times and conditions	IS:848 2025
79.	Synthetic Resin Adhesives for Plywood	Cycle test	IS:848 2025
80.	Synthetic Resin Adhesives for Plywood	Visual Examination	IS:848 2025
81.	Block Board	Adhesion of Plies	IS 1659: 2004, (RA 2019), Cl.9.2.3 (Annex-G)
82.	Block Board	Width	IS 1659: 2004, (RA 2019), Cl.7.3
83.	Block Board	Height	IS 1659: 2004, (RA 2019), Cl.7.3
84.	Block Board	Modulus Of Elasticity	IS 1734 (Part 11): 1983, RA-2018
85.	Block Board	Modulus Of Rupture	IS 1734 (Part 11): 1983, RA-2018
86.	Block Board	Thickness	IS 1659: 2004, (RA-2019), Cl.7.3
87.	Fire Retardant Plywood	Edge Straightness	IS 5509: 2021 Cl.8.3, Table-1 S.No.4
88.	Fire Retardant Plywood	Flame Penetration	IS: 1734 (P-3): 1984, Cl.4, RA-2018
89.	Fire Retardant Plywood	Flammability	IS: 1734 (P-3): 1983, Cl.3, RA-2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
90.	Fire Retardant Plywood	Length	IS:5509: 2021 S.No.1
91.	Fire Retardant Plywood	Rate of burning	IS: 1734 (P-3): 1983, Cl.5, RA-2018
92.	Fire Retardant Plywood	Squareness	IS:5509: 2021 Cl.8.3, Table-1 S.No.4
93.	Fire Retardant Plywood	Thickness	IS:5509: 2021 Cl.8.3, Table-1 S.No.3
94.	Fire Retardant Plywood	Width	IS:5509: 2021 Cl.8.3, Table-1 S.No.2
95.	Fire Retardant Plywood	Workmanship and Finish	IS:5509: 2021 Cl.9,
96.	Flush Door	Glue Adhesion	IS 4020 (Part 15):1998, (RA 2018)
97.	Flush Door Shutter	End Immersion Test	IS 4020 (Part 13): 1998, (RA 2018)
98.	Flush Door Shutter	Height	IS 2202 (Part-1): 2023, Cl.5, Table-2
99.	Flush Door Shutter	Knife Test	IS 4020 (part 14): 1998, (RA 2018)
100.	Flush Door Shutter	Thickness	IS 2202 (Part-1): 2023, Cl.5, Table-2
101.	Flush Door Shutter	Width	IS 2202 (Part-1): 2023, Cl.5, Table-2
102.	Marine Ply Wood	Height	IS 710: 2024 Cl.6.4, Table-2, S No.1
103.	Marine Ply Wood	Thickness	IS 710: 2024 Cl.6.4, Table-2, S No.3

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
104.	Marine Ply Wood	Width	IS 710: 2024 Cl.6.4, Table-2, S No.2
105.	Marine Ply wood	Adhesion of Plies	IS 1734 (Part 5): 1983, (RA 2018)
106.	Marine Ply wood	Edge Straightness	IS 710: 2024 Cl.6.4, Table-2, S No.4
107.	Marine Ply wood	Glue Shear Strength	IS 1734 (Part 4): 1983, (RA 2018)
108.	Marine Ply wood	Moisture Content	IS 1734 (Part 1): 1983, (RA 2018)
109.	Marine Ply wood	Retention of Preservatives	IS:2753 (Part-1): 1991 RA 2020 & (Part-2): 2014 Ra 2019
110.	Marine Ply wood	Squareness	IS 710: 2024 Cl.6.4, Table-2, S No.4
111.	Marine Ply wood	Static Bending Strength (MOE)	IS 1734 (Part 11): 1983, (RA 2018)
112.	Marine Ply wood	Static Bending Strength (MOR)	IS 1734 (Part 11): 1983, (RA 2018)
113.	Marine Ply wood	Workmanship and Finish	IS 710: 2024 Cl.6.4, Table-2, S No.7
114.	Medium Density Particle Boards	Height	IS 3087: 2025
115.	Medium Density Particle Boards	Modulus Of Elasticity	IS 3087: 2025
116.	Medium Density Particle Boards	Modulus of Rupture	IS 3087: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
117.	Medium Density Particle Boards	Moisture Content	IS 3087: 2025
118.	Medium Density Particle Boards	Thickness	IS 3087: 2025
119.	Medium Density Particle Boards	Width	IS 3087: 2025
120.	Medium Density Particle Boards	Squareness	IS 3087: 2025
121.	Medium Density Particle Boards	Edge straightness	IS 3087: 2025
122.	Medium Density Particle Boards	Density variation	IS 3087: 2025
123.	Medium Density Particle Boards	Physical characteristics	IS 3087: 2025
124.	Medium Density Particle Boards	Density	IS 3087: 2025
125.	Medium Density Particle Boards	Internal bond strength	IS 3087: 2025
126.	Medium Density Particle Boards	24 h thickness swelling (due to general absorption)	IS 3087: 2025
127.	Medium Density Particle Boards	Screw withdrawal	IS 3087: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
128.	Medium Density Particle Boards	Workability	IS 3087: 2025
129.	Medium Density Particle Boards	Marking	IS 3087: 2025
130.	Medium Density Particle Boards	Moisture Resistance test	IS 3087: 2025
131.	Plywood	Height	IS: 303: 2024 Cl.8.4 Table 3, S No.1
132.	Plywood	Moisture Content	IS 1734 (Part 1): 1983, (RA 2013)
133.	Plywood	Squareness	IS:303: 2024 Cl.8.4 Table 3, S No.4
134.	Plywood	Static Bending Strength (MOE)	IS 1734 (Part 11) :1983, (RA 2018)
135.	Plywood	Static Bending Strength (MOR)	IS 1734 (Part 11) :1983, (RA 2018)
136.	Plywood	Thickness	IS:303: 2024 Cl.8.4 Table 3, S No.3
137.	Plywood	Water Resistance	IS 1734 (P-6): 1983, RA 2018
138.	Plywood	Width	IS:303: 2024 Cl.8.4 Table 3, S No.2
139.	Plywood for Concrete Shuttering Works	Edge Straightness	IS: 4990 :2024, Cl.7.4, S No.5

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
140.	Plywood for Concrete Shuttering Works	Length	IS: 4990 :2024, Cl.7.4, S No.1
141.	Plywood for Concrete Shuttering Works	Resistance to Water	IS: 4990 :2024, Cl.10.5
142.	Plywood for Concrete Shuttering Works	Squareness	IS: 4990 :2024, Cl.7.4, S No.4
143.	Plywood for Concrete Shuttering Works	Thickness	IS: 4990 :2024, Cl.7.4, S No.3
144.	Plywood for Concrete Shuttering Works	Width	IS: 4990 :2024, Cl.7.4, S No.2
145.	Plywood for Concrete Shuttering Works	Workmanship and Finish	IS: 4990 :2024, Cl.8
146.	Timber /wood	Density	IS 1708 (Part 2):1986, RA 2020
147.	Timber /wood	Determination of static bending (MOR & MOE)	IS 1708 (Part 5&6): 1986, (RA 2020)
148.	Timber /wood	Moisture Content	IS 1708 (Part 1):1986, (RA 2020)
149.	Timber /wood	Specific Gravity	IS 1708 (Part 2): 1986, RA 2020
150.	Wood / Doors and Window Frame	Moisture Content	IS 11215: 1991, (RA 2020)
151.	Decorative thermosetting synthetic resin bonded	Classification	Cl. 4 & Table 4 of IS 2046:1995

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
	laminated sheets		
152.	Decorative thermosetting synthetic resin bonded laminated sheets	Colour and pattern	Cl.5.1 of IS 2046:1995
153.	Decorative thermosetting synthetic resin bonded laminated sheets	Surface Finish	Cl.5.2 of IS 2046:1995
154.	Decorative thermosetting synthetic resin bonded laminated sheets	Reverse side/Bonding	Cl.5.2.2 of IS 2046:1995
155.	Decorative thermosetting synthetic resin bonded laminated sheets	Thickness	Cl.5.3 of IS 2046:1995
156.	Decorative thermosetting synthetic resin bonded laminated sheets	Appearance	Cl.5.4 of IS 2046:1995
157.	Decorative thermosetting synthetic resin bonded laminated sheets	Sports, dirt and similar surface defects	Cl.5.4 .1.1of IS 2046:1995
158.	Decorative thermosetting synthetic resin bonded laminated sheets	Fibres, hairs, scratches	Cl.5.4 .1.2of IS 2046:1995

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
159.	Decorative thermosetting synthetic resin bonded laminated sheets	Accumulated (Combination) of surface defects	Cl.5.4 .1.3 of IS 2046:1995
160.	Decorative thermosetting synthetic resin bonded laminated sheets	Edge Defects	Cl.5.4 .2 of IS 2046:1995
161.	Decorative thermosetting synthetic resin bonded laminated sheets	Broken Corners	Cl.5.4 .3 of IS 2046:1995
162.	Decorative thermosetting synthetic resin bonded laminated sheets	Sanding Defects	Cl.5.4 .4 of IS 2046:1995
163.	Decorative thermosetting synthetic resin bonded laminated sheets	Warping (Flatness	Cl.5.4 .5 of IS 2046:1995
164.	Decorative thermosetting synthetic resin bonded laminated sheets	Length of a full-size Laminate	Cl.5.4 .6 of IS 2046:1995
165.	Decorative thermosetting synthetic resin bonded laminated sheets	Width of a full-size Laminate	Cl.5.4 .6 of IS 2046:1995
166.	Decorative thermosetting synthetic resin bonded laminated sheets	Straightness of Edges	Cl.5.4 .7 of IS 2046:1995

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
167.	Decorative thermosetting synthetic resin bonded laminated sheets	Squareness of the Laminates	Cl.5.4 .7 of IS 2046:1995
168.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to Surface wear Resistance to Surface wear	Cl. 5.5, Tables 7, Sr No.(i) Annex C of IS 2046:1995
169.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to immersion in boiling water	Cl. 5.5, Tables 7, Sr No.(ii) Annex D of IS 2046:1995
170.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to Dry heat at 180 °C	Cl. 5.5, Tables 7, Sr No.(iii) Annex E of IS 2046:1995
171.	Decorative thermosetting synthetic resin bonded laminated sheets	Dimensional Stability at deviated Temperature	Cl. 5.5, Tables 7, Sr No. (iv & v)) Annex F of IS 2046:1995
172.	Decorative thermosetting synthetic resin bonded laminated sheets	Dimensional Stability at 20°C	Cl. 5.5, Tables 7, Sr No.(v) Annex g of IS 2046:1995
173.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to impact by small diameter ball	Cl.5.5, Tables 7, Sr No.(vi) Annex H of IS 2046:1995

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
174.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to impact by large diameter balls (self-supporting compact laminates)	Cl. 5.5, Tables 7, Sr No.(vii) Annex J of IS 2046 :1995
175.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to cracking (thin laminates)	5.5, Tables 7, Sr No.(viii) Annex K of IS `2046 :1995
176.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to scratching	Cl.5.5, Tables 7, Sr No.(ix) Annex L IS `2046 :1995
177.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to staining	Cl.5.5, Tables 7, Sr No.(x) Annex -M, IS `2046 :1995
178.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to colour change	Cl.5.5, Tables 7, Sr No.(xi) Annex -N (alternative), IS `2046 :1995
179.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to Cigarette burns	Cl.5.5, Tables 7, Sr No.(xii) Annex -P (alternative), IS `2046 :1995
180.	Decorative thermosetting synthetic resin bonded laminated sheets	Formability Method A	Cl.5.5, Tables 7, Sr No.(xiii) Annex -R, IS `2046 :1995
181.	Decorative thermosetting synthetic resin bonded	Formability Method B	Cl.5.5, Tables 7, Sr No.(xiii) Annex -R, IS `2046 :1995

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
	laminated sheets		
182.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to Blistering Method A	Cl.5.5, Tables 7, Sr No.(xiv) Annex -S, IS `2046 :1995
183.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to Blistering Method B	Cl.5.5, Tables 7, Sr No.(xiv) Annex -S, IS `2046 :1995
184.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to steam	Cl.5.5, Tables 7, Sr No.(xv) Annex -T, IS `2046 :1995
185.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to crazing (Thick laminates	Cl.5.5, Tables 7, Sr No.(xvi) Annex -w), IS `2046 :1995
186.	Decorative thermosetting synthetic resin bonded laminated sheets	Resistance to moisture (Double faced compact laminates	Cl,5.5, Tables 7, Sr No.(xvii) Annex -Y, IS `2046 :1995
187.	Decorative thermosetting synthetic resin bonded laminated sheets	Flexural Modulus	Cl.5.5, Tables 7, Sr No.(xviii) Annex -F of IS 13401

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
188.	Decorative thermosetting synthetic resin bonded laminated sheets	Flexural Strength	Cl.5.5, Tables 7, Sr No.(xix) Annex -F of IS 13401
189.	Decorative thermosetting synthetic resin bonded laminated sheets	Tensile Strength	Cl.5.5, Tables 7, Sr No.(xx) IS 8543 (Part4/Sec1
190.	Decorative thermosetting synthetic resin bonded laminated sheets	Marking	Cl.7.2 of IS 2046:1995
191.	Flush Door Shutters	Grade	Cl. 4 of IS 2202 (Part 1):2023
192.	Flush Door Shutter	Type	Cl.4 of IS 2202 (Part 1):2023
193.	Flush Door Shutter	Variation in thickness	Cl. 5, Cl.11.1 & table 2 of IS 2202: 2023
194.	Flush Door Shutter	Face Veneers	Cl. 6.4 & 6.4.1 of IS 2202 (Part 1): 2023
195.	Flush Door Shutter	Species	Cl. 6.4 & 6.4.1 of IS 2202 (Part 1): 2023
196.	Flush Door Shutter	Defects in veneers	Cl. 6.4 & 6.4.1 of IS 2202 (Part 1): 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
197.	Flush Door Shutter	Core veneer	Cl. 6.4 & 6.4.1 of IS 2202 (Part 1): 2023
198.	Flush Door Shutter	Cross bend	Cl. 6.2 of IS 2202 (Part 1
199.	Flush Door Shutter	Core strip	Cl. 7.1 of IS 2202 (Part 1
200.	Flush Door Shutter	Rail & stile	Cl. 7.3 of IS 2202 (Part 1
201.	Flush Door Shutter	Moisture content	Cl. 6.1 of IS 2202 (Part 1):2023
202.	Flush Door Shutter	Marking	Cl. 14 of IS 2202(Part 1):2023
203.	Marine Plywood	Material	Cl.4. of IS 710 :2024
204.	Marine Plywood	Timber	Cl.4.1 of IS 710: 2024
205.	Marine Plywood	Face Veneer	Cl.4.1 of IS 710: 2024
206.	Marine Plywood	Species	Cl.4.1 of IS 710: 2024
207.	Marine Plywood	Core Veneer	Cl.4.1 of IS 710: 2024
208.	Marine Plywood	Adhesive	Cl.4.2 of IS 710: 2024
209.	Marine Plywood	Veneers	Cl.5.1 of IS 710: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
210.	Marine Plywood	Moisture content	Cl.5.1 of IS 710: 2024
211.	Marine Plywood	Defects in Veneers	Cl.5.1.1 of IS 710: 2024
212.	Marine Plywood	Assembly of Glueing	Cl.5.2.1 of IS 710: 2024
213.	Marine Plywood	Thickness of Veneers	Cl.5.2.2 of IS 710: 2024
214.	Marine Plywood	Joint in Veneers	Cl.5.2.3 of IS 710: 2024
215.	Marine Plywood	Edge joints	Cl.5.2.3.2 of IS 710: 2024
216.	Marine Plywood	Scarf joints	Cl.5.2.3.4 of IS 710: 2024)
217.	Marine Plywood	Grain Direction	Cl.5.2.4 of IS 710: 2024
218.	Marine Plywood	Treatment	Cl.5.3 of IS 710: 2024
219.	Marine Plywood	Glue Adhesion in dry state	Cl.9.4 of IS 710: 2024
220.	Marine Plywood	Water Resistance Test	Cl.9.5 of IS 710: 2024
221.	Marine Plywood	Tensile Strength	Cl.9.6 of IS 710:2024
222.	Marine Plywood	Marking	Cl.11.1 of IS 710: 2024
223.	Marine Plywood	Wet Bending strength	Cl.9.9 of IS 710: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
224.	Plywood for Concrete Shuttering Works	Resistance to water test	Cl.10.6 of IS 4990 :2024
225.	Plywood for Concrete Shuttering Works	Tensile strength	Cl. 10.8 of IS 4990:2024
226.	Plywood for Concrete Shuttering Works	Wet Bending strength	Cl.10.10 & Table 4 of IS 4990: 2024
227.	Plywood for Concrete Shuttering Works	Retention Preservative	Cl. 10.11 of IS 4990:2024
228.	Plywood for Concrete Shuttering Works	Marking	Cl. 12 of IS 4990:2024
229.	Block Board	Grade	Cl. 4 & 4.1 of IS 1659: 2004
230.	Block Board	Grade and Types	Cl. 4 & 4.2 of IS 1659: 2004)
231.	Block Board	Material	Cl. 5 of IS 1659: 2004
232.	Block Board	Timber	Cl. 5.1 of IS 1659: 2004
233.	Block Board	Face veneer	Cl. 5.1.2 of IS 1659: 2004
234.	Block Board	Adhesives	Cl. 5.2 of IS 1659: 2004
235.	Block Board	Preservative Treatment	Cl. 6.1 of IS 1659: 2004
236.	Block Board	Core	Cl. 6.2 of IS 1659: 2004

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
237.	Block Board	Species	Cl. 6.2 of IS 1659: 2004
238.	Block Board	Moisture content	Cl. 6.2 of IS 1659: 2004
239.	Block Board	Width along the length	Cl. 6.2 of IS 1659: 2004
240.	Block Board	Cross band and Faces	Cl. 6.3 of IS 1659: 2004
241.	Block Board	Moisture content	Cl. 6.3 of IS 1659: 2004
242.	Block Board	Variation in thickness on a board	Cl.7 ,7.1&Cl.7.3 of IS 1659:2004
243.	Block Board	Marking	Cl.11 of IS 1659:2004
244.	Fire Retardant Plywood	Moisture content	Cl. 12.1 & Table 2 of IS 5509:2021
245.	Fire Retardant Plywood	Glue adhesion	Cl.12.2 of IS 5509:2021
246.	Fire Retardant Plywood	Water Resistance test	Cl.12.2 of IS 5509:2021
247.	Fire Retardant Plywood	Mycological test	Cl.12.2 of IS 5509:2021
248.	Fire Retardant Plywood	Static Bending Strength	Cl. 12.2 of IS 303:2024
249.	Fire Retardant Plywood	Face Veneer	Cl. 6.1 of IS 303:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
250.	Fire Retardant Plywood	Species	Cl. 6.1 of IS 303:2024
251.	Fire Retardant Plywood	Core Veneer	Cl. 6.1 of IS 303:2024
252.	Fire Retardant Plywood	Preservative	Cl. 3.2 of IS 5509: 2021
253.	Fire Retardant Plywood	Marking	C1.14 IS:5509-2021
254.	Plywood for General Purposes	Grade	Cl. 4.1 of IS 303 :2024
255.	Plywood for General Purposes	Class	Cl. 4.2 of IS 303 :2024
256.	Plywood for General Purpose	Bending Class	Cl.11.4 & Table 4 of IS 303: 2024
257.	Plywood for General Purpose	Plywood for General Purpose	Cl.5.1 of IS 303:2024
258.	Plywood for General Purpose	Quality of Surface	Cl.5.2 & Table 1 IS 303:2024
259.	Plywood for General Purpose	Blister	Cl.5.2 & Table 1 IS 303:2024
260.	Plywood for General Purpose	Checks	Cl.5.2 & Table 1 IS 303:2024
261.	Plywood for General Purpose	Discoloration	Cl.5.2 & Table 1 IS 303:2024
262.	Plywood for General Purpose	Dote	Cl.5.2 & Table 1 IS 303:2024
263.	Plywood for General Purpose	Insect hole	Cl.5.2 & Table 1 IS 303:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
264.	Plywood for General Purpose	Joints	Cl.5.2 & Table 1 IS 303:2024
265.	Plywood for General Purpose	Knots (dead)	Cl.5.2 & Table 1 IS 303:2024
266.	Plywood for General Purpose	Pin knots (dead)	Cl.5.2 & Table 1 IS 303:2024
267.	Plywood for General Purpose	Pin knots (live)	Cl.5.2 & Table 1 IS 303:2024
268.	Plywood for General Purpose	Pin knots (tight)	Cl.5.2 & Table 1 IS 303:2024
269.	Plywood for General Purpose	Patches	Cl.5.2 & Table 1 IS 303:2024
270.	Plywood for General Purpose	Splits	Cl.5.2 & Table 1 IS 303:2024
271.	Plywood for General Purpose	Swirls	Cl.5.2 & Table 1 IS 303:2024
272.	Plywood for General Purpose	Material	Cl.6 of IS 303:2024
273.	Plywood for General Purpose	Timber	Cl.6.1 of IS 303:2024
274.	Plywood for General Purpose	Face Veneer	Cl. 6.1,7.1 & 7.2.1 of IS 303:2024
275.	Plywood for General Purpose	Moisture	Cl. 6.1,7.1 & 7.2.1 of IS 303:2024
276.	Plywood for General Purpose	Species	Cl. 6.1,7.1 & 7.2.1 of IS 303:2024
277.	Plywood for General Purpose	Thickness	Cl. 6.1,7.1 & 7.2.1 of IS 303:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
278.	Plywood for General Purpose	Veneer	Cl. 6.1,7.1 & 7.2.1 of IS 303:2024
279.	Plywood for General Purpose	Core Veneer	Cl. 6.1,7.1 & 7.2.1 of IS 303:2024
280.	Plywood for General Purpose	Manufacture	Cl.7.1 of IS 303:2024)
281.	Plywood for General Purpose	Grain Direction	Cl.7.2.3 of IS303:2024
282.	Plywood for General Purpose	Scarf Joints	Cl.7.2.4 of IS303:2024
283.	Plywood for General Purpose	Permissible Defects	Cl.7.2.5&7.2.5.1 of IS303:2024
284.	Plywood for General Purpose	Splits	Cl.7.2.5.2 of IS303:2024
285.	Plywood for General Purpose	Overlap	Cl.7.2.5.2 of IS303:2024
286.	Plywood for General Purpose	Permissible Categories of defects	Cl.5.2 of IS 303:2024
287.	Plywood for General Purpose	Defects	Cl.5.2 of IS 303:2024
288.	Plywood for General Purpose	Marking	Cl.5.2 of IS 303:2024
289.	Synthetic Resin Adhesives for Plywood	Adhesive	Cl.6.2 & 4.1 of IS 303
290.	Veneered Decorative Plywood	Grades	Cl.4.1 of IS 1328:2025

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
291.	Veneered Decorative Plywood	Type	Cl.4.2 of IS 1328:2025
292.	Veneered Decorative Plywood	Surface Requirements- For Type 1	Cl.7.1 of IS 1328:2025
293.	Veneered Decorative Plywood	Surface Requirements- For Type 2	Cl.7.2 of IS 1328:2025
294.	Veneered Decorative Plywood	Surface Requirements- For Type 3	Cl.7.3 of IS 1328:2025
295.	Veneered Decorative Plywood	Surface Requirements- For Type 4	Cl.7.4 of IS 1328:2025
296.	Veneered Decorative Plywood	Veneer	Cl. 6.1 of IS 1328 :2025
297.	Veneered Decorative Plywood	Moisture	Cl. 6.1 of IS 1328 :2025
298.	Veneered Decorative Plywood	Species	Cl. 6.1 of IS 1328 :2025
299.	Veneered Decorative Plywood	Thickness	Cl. 6.1 of IS 1328 :2025
300.	Veneered Decorative Plywood	Dimension & Tolerance	Cl. 8, Cl.8.1, Cl.8.2 & Table 1 of IS 1328:2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
301.	Veneered Decorative Plywood	Length	Cl. 8, Cl.8.1, Cl.8.2 & Table 1 of IS 1328:2025
302.	Veneered Decorative Plywood	Width	Cl. 8, Cl.8.1, Cl.8.2 & Table 1 of IS 1328:2025
303.	Veneered Decorative Plywood	Thickness	Cl. 8, Cl.8.1, Cl.8.2 & Table 1 of IS 1328:2025
304.	Veneered Decorative Plywood	Squareness	Cl. 8, Cl.8.1, Cl.8.2 & Table 1 of IS 1328:2025
305.	Veneered Decorative Plywood	Edge Straightness	Cl. 8, Cl.8.1, Cl.8.2 & Table 1 of IS 1328:2025
306.	Veneered Decorative Plywood	Workmanship and finish	Cl.9 of 1328 :2025
307.	Veneered Decorative Plywood	Moisture content	Cl.11.3 of 1328 :2025)
308.	Veneered Decorative Plywood	Water Resistance Test	Cl.11.4 of 1328 :2025
309.	Prelaminated medium density fiber board	Finish	C1.7 of IS 14587: 2025
310.	Prelaminated medium density fiber board	Dimensions & tolerance	C1.8,8.1, Cl.8.2,8.3 & table 2 of IS 14587: 2025
311.	Prelaminated medium density fiber board	Density	C1.9.1& Table 3 of IS 14587: 2025
312.	Prelaminated medium density fiber board	Density variation	C1.9.1, & Table 3 of IS 14587: 2025

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
313.	Prelaminated medium density fiber board	Moisture Content	C1.9.1, & Table 3 of IS 14587: 2025
314.	Prelaminated medium density fiber board	General absorption	C1.9.1& Table 4,5,6,7 of IS 14587: 2025
315.	Prelaminated medium density fiber board	Modulus rupture	C1.9.1& Table 4,5,6,7 of IS 14587: 2025
316.	Prelaminated medium density fiber board	Modulus of elasticity	C1.9.1& Table 4,5,6,7 of IS 14587: 2025
317.	Prelaminated medium density fiber board	Internal bond strength	C1.9.1& Table 4,5,6,7 of IS 14587: 2025
318.	Prelaminated medium density fiber board	Screw withdrawal strength	C1.9.1& Table 4,5,6,7 of IS 14587: 2025
319.	Prelaminated medium density fiber board	Abrasion resistance	C1.9.1& Table 8 of IS 14587: 2025
320.	Prelaminated medium density fiber board	Resistance to steam	C1.9.1 & Table 8 of IS 14587: 2025
321.	Prelaminated medium density fiber board	Resistance to crack	C1.9.1& Table 8 of IS 14587: 2025
322.	Prelaminated medium density fiber board	Resistance to cigarette burn	C1.9.1& Table 8 of IS 14587: 2025
323.	Prelaminated medium density fiber board	Resistance to stain	C1.9.1& Table 8 of IS 14587: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
324.	Prelaminated medium density fiber board	Moisture Resistance: Option 2: Boil test (1.) Internal bond strength	As per Clause 9.1, Table 6, Table 7
325.	Prelaminated medium density fiber board	Moisture Resistance: Option 1: Cyclic test (1.) Internal bond strength	As per Clause 9.1, Table 6, Table 7



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber & Rubber Products		
1.	Rubber Gasket for Pressure Cookers	Change in hardness after ageing at 100°C for 3-days	IS 3400(P-1) 2021 & (P-4): 2012 RA 2017
2.	Rubber Gasket for Pressure Cookers	Compression Set	IS 3400 (P-10/S-2): 2022
3.	Rubber Gasket for Pressure Cookers	Dimensions	Cl.3.3 of IS 7466: 1994
4.	Rubber Gasket for Pressure Cookers	Elongation after ageing at 100°C for 3-days	IS 3400 (P-1) 2021 & (P-4): 2012 RA 2017
5.	Rubber Gasket for Pressure Cookers	Elongation at Break	IS 3400 (P-4): 2012 RA 2017
6.	Rubber Gasket for Pressure Cookers	Tensile Strength	IS 3400(P-1): 2021
7.	Rubber Gasket for Pressure Cookers	Tensile strength after ageing at 100°C for 3 days	IS 3400 (P-1) 2021 & (P-4): 2012 RA 2017
8.	Rubber Gasket for Pressure Cookers	Tensile strength and Elongation after ageing in autoclave for 8-hours steam pressure of 100 K N/m ²	IS 3400 (P-1) 2021 & (P-4): 2012 RA 2017
9.	Rubber Gasket for Pressure Cookers	Volume change after ageing in autoclave for 8-hours steam pressure of 100 K N/m ²	IS 3400 (P-2): 2014 RA 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber & Rubber Products		
10.	Rubber Gasket for Pressure Cookers	Workmanship And Finish	Cl.3.2 of IS 7466: 1994
11.	Rubber & Rubber Allied Products	Compression Test	ASTM D 395: 2018 / IS 3400 (Part 2): 2014 RA 2019
12.	Rubber & Rubber Allied Products	Density	ASTM D 297: 2015 / IS 3400 (Part 9): 2020
13.	Rubber & Rubber Allied Products	Elongation at Break	ASTM D 412: 2016 / IS 3400 (Part 1): 2021
14.	Rubber & Rubber Allied Products	Hardness Shore A	ASTM D 2240: 2015 / IS 3400 (Part 2): 2014 RA 2019
15.	Rubber & Rubber Allied Products	Specific Gravity	ASTM D 297: 2015 / IS 3400 (Part 9): 2020
16.	Rubber & Rubber Allied Products	Tensile Strength	ASTM D 412: 2016 / IS 3400 (Part 1): 2021
17.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Accelerated Ageing Test	IS: 3400 (P-4): 2012 RA 2017
18.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Accelerated Ageing Test	IS: 443: 1975

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber & Rubber Products		
19.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Adhesion	IS: 3400 (P-24): 2021
20.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Bore size	IS: 443: 1975
21.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Burning Behaviour	IS: 9573 (P-1&2): 2017
22.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Construction	IS: 444: 2017 RA 2018
23.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Electrical Continuity Test	IS: 9573 (P-1): 2017
24.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Elongation at break	IS: 443: 1975
25.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Flexibility of hose	IS: 9573 (P-1&2): 2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber & Rubber Products		
26.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Grip Strength Test	IS: 9573 (P-2): 2017
27.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Hydrostatic Pressure Test (Bursting Pressure)	IS: 443: 1975
28.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Hydrostatic Pressure Test (Change in Diameter at proof Pressure)	IS: 443: 1975
29.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Hydrostatic Pressure Test (Change in Length at proof Pressure)	IS: 443: 1975
30.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Hydrostatic Pressure Test (Proof Pressure)	IS: 443: 1975
31.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Length	IS: 447: 2017 RA 2018
32.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Length	IS: 9537 (Part-1): 2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber & Rubber Products		
33.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Length	IS: 9573 (P-2): 2017
34.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Lining and Cover Thickness	IS: 443: 1975
35.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Loss of mass on heating	IS: 12585: 2023
36.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Low Temperature Flexibility	IS: 12657: 2014 RA 2019
37.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Low temperature flexibility	IS: 9573 (P-1&2): 2017
38.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Minimum Bend Radius	IS: 12656: 2014 RA 2019
39.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Ozone Resistance	IS: 9573 (P-1&2): 2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber & Rubber Products		
40.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Resistance of Lining to n-pentane (absorbed)	IS: 9573 (P-1): 2017
41.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Resistance of Lining to n-pentane (extractable)	IS: 9573 (P-1): 2017
42.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Swelling test	IS: 3400 (P-5) 2022 & (P-6): 2018
43.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Tensile Strength of Lining and cover	IS: 443: 1975
44.	Rubber & Rubber Allied Products (Rubber hoses, gaskets, seals, sheets, tubes)	Construction	IS: 12585: 2023
45.	Thermoplastic hoses (Textile reinforced) for water	Materials and construction	IS 12585:2023
46.	Thermoplastic hoses (Textile reinforced) for water	Dimensions	ISO 4671
47.	Thermoplastic hoses (Textile reinforced) for water	Concentricity	ISO 4671

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber & Rubber Products		
48.	Thermoplastic hoses (Textile reinforced) for water	Minimum wall thickness	ISO 4671
49.	Thermoplastic hoses (Textile reinforced) for water	Tensile strength	ISO 527-2
50.	Thermoplastic hoses (Textile reinforced) for water	Elongation at break	ISO 527-2
51.	Thermoplastic hoses (Textile reinforced) for water	Resistance to Ageing (Tensile strength)	ISO 188:2011
52.	Thermoplastic hoses (Textile reinforced) for water	Resistance to Ageing (Elongation at break)	ISO 188:2011
53.	Thermoplastic hoses (Textile reinforced) for water	Loss in mass on heating	ISO 176:2005 (Method-B)
54.	Thermoplastic hoses (Textile reinforced) for water	Proof pressure	ISO 1402
55.	Thermoplastic hoses (Textile reinforced) for water	Minimum burst pressure	ISO 1402
56.	Thermoplastic hoses (Textile reinforced) for water	Change in length at maximum working pressure	ISO 1402
57.	Thermoplastic hoses (Textile reinforced) for water	Adhesion between components	ISO 8033

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber & Rubber Products		
58.	Thermoplastic hoses (Textile reinforced) for water	UV resistance (xenon-arc lamp)	ISO 30013:2011 (Method-A)
59.	Thermoplastic hoses (Textile reinforced) for water	Flexibility	ISO 10619-1 (Method-A1)
60.	Thermoplastic hoses (Textile reinforced) for water	Low temperature flexibility	ISO 10619-2 (Method-B)
61.	Thermoplastic hoses (Textile reinforced) for water	Marking	IS 12585:2023
62.	Rubber Hose for Liquefied Petroleum Gas (LPG)	General	IS 9573(Part-1):2017, IS 9573 (Part-2):2017
63.	Rubber Hose for Liquefied Petroleum Gas (LPG)	Materials	IS 9573(Part-1):2017, IS 9573 (Part-2):2017
64.	Rubber Hose for Liquefied Petroleum Gas (LPG)	Marking	IS 9573(Part-1):2017, IS 9573 (Part-2):2017
65.	Rubber Hose for Liquefied Petroleum Gas (LPG)	Adhesion between Components	IS 3400(P-5):1986
66.	Rubber hose for welding	Marking	IS 447:1988

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber & Rubber Products		
67.	Rubber Hoses, Textile-Reinforced, for General-Purpose Water applications	Classification	IS 444:2017
68.	Rubber Hoses, Textile-Reinforced, for General-Purpose Water applications	Material and Construction	IS 444:2017
69.	Rubber Hoses, Textile-Reinforced, for General-Purpose Water applications	Tensile Strength	ISO 37
70.	Rubber Hoses, Textile-Reinforced, for General-Purpose Water applications	Elongation at break	ISO 37
71.	Rubber Hoses, Textile-Reinforced, for General-Purpose Water applications	Ozone resistance	ISO 7326:1991
72.	Rubber Hoses, Textile-Reinforced, for General-Purpose Water applications	Flexibility	ISO 1746:1998
73.	Rubber Hoses, Textile-Reinforced, for General-Purpose Water applications	Low temperature flexibility	ISO 4672:1997

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber & Rubber Products		
74.	Rubber Hoses, Textile-Reinforced, for General-Purpose Water applications	Marking	IS 444:2017



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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.	Concrete	Carbonation Test (Core Method)	IS 516 (P-5/Sec-3): 2021
2.	Concrete	Ultrasonic Pulse Velocity	IS 516 (P-5/Sec-1): 2018
3.	Hardened Concrete	Crack Depth by Ultrasonic Pulse Velocity	IS:516(Part-5/Sec-1) 2018
4.	Anchor bars / Rock Bolt	Pul out test (Anchorage Capacity)	IS 11309 2023
5.	Anchor bars / Rock Bolt	Pul out test bond strength)	IS 11309 2023
6.	Reinforcement Concrete	Rebound Hammer	IS 13311 (P-2) 1992
7.	Reinforcement Concrete	Rebound Hammer	IS 516 (P-5/Sec 4): 2020
8.	Reinforcement Concrete	Half-cell potentials of Uncoated Reinforcing Steel in Concrete	ASTM C876 22b
9.	Reinforcement Concrete	Half-cell potentials of Uncoated Reinforcing Steel in Concrete	IS:516(Part-5/Sec-2)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
1.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Annealing Test (For copper Conductor)	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 1):1984 (RA 2021), IS 8130: 2013(RA 2018) (Cl. 7.1.2 & 7.1.2.1)
2.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Tensile test (for Aluminium)	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 2):1984(RA 2021), IS 8130: 2013(RA 2018) (Cl.7.2.1)
3.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Wrapping test (for Aluminium)	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 3):1984(RA 2021), IS 8130: 2013(RA 2018) (Cl.7.2.2)
4.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Persulphate test (for tinned copper conductor cable only)	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 4):1984(RA 2021), IS 8130: 2013 (RA 2018) (Cl.7.1.1)
5.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Conductor resistance test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 5):1984 (RA 2021), IS 8130: 2013 (RA 2018) (Cl.7.3)
6.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Test for overall dimensions and thickness of insulation /sheath	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 6) 1984 (RA 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
7.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Tensile strength test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 7) 1984 (RA 2021), table 1&2 of IS 5831: 1984 (RA 2021)
8.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Elongation at breaks test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 7) 1984 (RA 2021), table 1&2 of IS 5831: 1984 (RA 2021)
9.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Loss of mass test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 10) 1984 (RA 2021), table 1&2 of IS 5831: 1984 (RA 2021)
10.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Tensile strength after Ageing in air oven	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 11) 1984 (RA 2016), table 1&2 of IS 5831: 1984 (RA 2021)
11.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Elongation at break after Ageing in air oven	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 11) 1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
12.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Shrinkage test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 12) 1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
13.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Heat shock test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 14) 1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
14.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Hot deformation test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 15) 1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
15.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Thermal stability test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 60) 1988 (RA 2020), Table 1&2 of IS 5831: 1984 (RA 2021)
16.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Cold bend test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 20) 1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
17.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Cold impact test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 21) 1984 (RA 2001), Table 1&2 of IS 5831: 1984 (RA 2021)
18.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Flammability test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 53) 1984 (RA 2011), Table 1&2 of IS 5831: 1984 (RA 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
19.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Oxygen index test	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 58) 1984 (RA 2019)
20.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Test for temperature index	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 64):2003 (RA 2022)
21.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Test for halogen acid gas evaluation	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 59) 1988 (RA 2020)
22.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Test for smoke density rating	IS 13360(P-6/Sec-9) (RA 2021): 2001
23.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	High voltage test (water immersion test)	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 45) 2003
24.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Insulation resistance (Volume resistivity)	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 43) 1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
25.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	High voltage test (At room temperature)	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 45) (RA 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
26.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Additional ageing test (OU cables only)	Table 1 of IS 694: 2010 (RA 2020), IS 10810 (Part 45) (RA 2021)
27.	PVC Insulated & PVC sheathed Cables for working voltage up to and including 1100 volts	Ovality	Cl. 9.1 of IS 694:2010(RA 2020)
28.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Annealing Test (For copper Conductor)	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 1): 1984 (RA 2021), IS 8130: 2013 (RA 2018) (Cl. 7.1.2 & 7.1.2.1)
29.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Tensile test (for Aluminium)	Cl.15 & Cl.15.1 of IS 1554(Part-1): 1988 (RA 2020), IS 10810 (Part 2): 1984(RA 2021), IS 8130: 2013 (RA 2018 (Cl.7.2.1)
30.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Wrapping test (for Aluminium)	Cl.15 & Cl.15.1 of IS 1554(Part-1): 1988 (RA 2020), IS 10810 (Part 3): 1984(RA 2021), IS 8130: 2013(RA 2018 (Cl.7.2.2)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
31.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Conductor resistance test	Cl.15 & Cl.15.1 of IS 1554(Part-1): 1988 (RA 2020), IS 10810 (Part 5):1984 (RA 2021), IS 8130: 2013 (RA 2018) (Cl.7.3)
32.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Dimensions of Armoring	Cl.15 & Cl.15.1 of IS 1554(Part-1): 1988 (RA 2020), IS 10810 (Part 5):1984 (RA 2021), IS 3975: 1999 (RA 2021)
33.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Tensile strength for Armouring	Cl.15 & Cl.15.1 of IS 1554(Part-1): 1988 (RA 2020), IS 10810 (Part 37):1984 (RA 2021), IS 3975
34.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Elongation at break for Armouring	Cl.15 & Cl.15.1 of IS 1554(Part-1): 1988 (RA 2020), IS 10810 (Part 37):1984 (RA 2021), IS 3975: 1999 (RA 2015)
35.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Torsion test on galvanized steel round wire	Cl.15 & Cl.15.1 of IS 1554(Part-1): 1988 (RA 2020), IS 10810 (Part 38):1984 (RA 2021), IS 3975: 1999 (RA 2021)

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Greater Noida -201306, Uttar Pradesh, India

QAI/CIA/TL/2024/0075

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Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
36.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Winding test on galvanized steel strip	Cl.15 & Cl.15.1 of IS 1554(Part-1): 1988 (RA 2020), IS 10810 (Part 39):1984 (RA 2021), IS 3975
37.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Uniformity of Zinc coating on steel Armouring	Cl.15 & Cl.15.1 of IS 1554(Part-1): 1988 (RA 2020), IS 10810 (Part 40):1984 (RA 2021), IS 3975: 1999 (RA 2021)
38.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Mass of zinc coating on steel Armouring	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 41):1984 (RA 2021), IS 3975: 1999 (RA 2021)
39.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Resistivity test for Armouring	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 42):1984 (RA 2021), IS 3975: 1999 (RA 2021)
40.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Test for and sheath thickness of insulation	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 6):1984 (RA 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
41.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Tensile strength test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 7):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
42.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Elongation at breaks test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 7):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
43.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Loss of mass test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 10):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
44.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Tensile strength after Ageing in air oven	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 11) & (Part 7), :1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
45.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Elongation at break after Ageing in air oven	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 11):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
46.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Shrinkage test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 12):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
47.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Heat shock test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 14):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
48.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Hot deformation test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 15):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
49.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Thermal stability test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 60):1988 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
50.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Cold bend test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 20):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
51.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Cold impact test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part 20):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
52.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Flammability test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part - 53):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
53.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Oxygen index test	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part - 58):1998 (RA 2019), Table 1&2 of IS 5831: 1984 (RA 2021)
54.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Test for temperature index	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part -64): 2003 (RA 2022), Table 1&2 of IS 5831: 1984 (RA 2021)
55.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Test for halogen acid gas evaluation	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part - 59):1988 (RA 2020), Table 1&2 of IS 5831: 1984 (RA 2021)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
56.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Flame retardance test on bunched cables	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part - 62):1993 (RA 2019), Table 1&2 of IS 5831: 1984 (RA 2021)
57.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Flame retardance test on single cable	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part - 61):1988 (RA 2020), Table 1&2 of IS 5831: 1984 (RA 2021)
58.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Smoke density	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part - 63):1988 (RA 2019), Table 1&2 of IS 5831: 1984 (RA 2021)
59.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	High voltage test (water immersion test)	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part - 45):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
60.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Insulation resistance	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part - 43):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
61.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Insulation Resistance Test (Volume Resistivity)	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part - 43):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
62.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	High voltage test (At room temperature)	Cl.15 & Cl.15.1 of IS 1554 (Part-1): 1988 (RA 2020), IS 10810 (Part - 45):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
63.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Conductor: - Annealing Test (for copper)	Cl.18.1(a) 1) of IS 1554(Part-2)1988, IS 8130:2013 (RA 2018) & IS10810 (Part -1):1984 (RA 2021)
64.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Conductor: - Tensile Strength (For Aluminum Wires)	Cl.18.1(a) 2) of IS 1554(Part-2)1988 (RA 2020, IS 8130:2013 (RA 2018) & IS10810 (Part -2):1984 (RA 2021)
65.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Heat Shock Test	Cl.18.1 of IS 1554 (Part-2): 1988 (RA 2020), IS 10810 (Part 14):1984 (RA 2021), Table 1&2 of IS 5831: 1984 (RA 2021)
66.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Conductor: -Wrapping Test (For Aluminum Wires)	Cl.18.1(a) 3) of IS 1554(Part-2)1988(RA 2020) IS 8130:2013 (RA

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
			2018) & IS 10810 (Part -3):1984(RA 2021)
67.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Conductor: - Conductor Resistance Test	Cl.18.1(a) 4) of IS 1554(Part-2)1988 (RA 2020), IS 8130:2013(RA 2018 & IS 10810 (Part -5):1984(RA 2021)
68.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Armoring Wires/Formed Wire: - Dimension for Armoring Material	Cl.16.3 & Cl.18.1 (b) of 1554(Part- 2)1988, (RA 2020) & IS 10810 (Part - 36):1984, (RA 2021) IS 3975:1999 (RA 2021)
69.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Armoring Wires/Formed Wire: -Tensile Strength for armoring material	Cl.16.6.6(a) & Cl.18.1 b) of 1554 (Part- 2)1988, (RA 2020) & IS10810 (Part - 37):1984, (RA 2021) IS 3975:1999(RA 2021)
70.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Armoring Wires/Formed Wires: Armour Coverage Percentage Test	Cl.16.1.2 of 1554(Part-2)1988, (RA 2020)
71.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Armouring Wires/Formed Wires: - Resistance Test for Armour (For mining Cables	Cl.16.5 of IS1554 (Part-2):1988, ,(RA 2020)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
72.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Armouring Wires/Formed Wires: - Resistivity Test	Cl.16.6.6(g) & Cl. 18.1 b) of 1554(Part-2)1988, (RA 2020) & IS 10810 (Part -42)1984, (RA2021) IS 3975:1999 (RA 2021)
73.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Armouring Wires/Formed Wires: - Uniformity of zinc coating	Cl.16.6(e) & Cl. 18.1 b) of IS1554 (Part-2)1988 (RA 2020& IS 10810 (Part -40), (2021) IS 3975:1999 (RA 2021)
74.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Armouring Wires/Formed Wires: - Elongation at break for armoring material	Cl.16.6(b) & Cl. 18.1 b) of IS1554 (Part-2)1988 & IS10810 (Part -37)1984, (RA2021) IS 3975:1999
75.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Armouring Wires/Formed Wires: -Mass of Zinc Coating	Cl.16.6(f) & Cl. 18.1. b) of 1554(Part-2)1988, (RA 2020) & IS 10810 (Part -41)1984, (RA 2021) IS 3975:1999 (RA 2021)
76.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Armouring Wires/Formed Wires: -Torsion Test for round wires	Cl.16.6(c) of IS1554 (Part-2):1988 (RA 2020) & IS 10810 (Part-38)1984, (RA 2021) IS 3975:1999

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	Cables & Wires		
77.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test on Armoring Wires/Formed Wires: -Winding Test for formed wires	Cl.16.6(d) of IS1554 (Part-2):1988(RA 2020 & IS 10810 (Part -39):1984 (RA 2021, IS 3975:1999 (RA 2021)
78.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Test for Thickness of insulation and sheath	Cl. 11, 15, 17 of IS1554 (Part-2)1988 & IS 10810 (Part -6)1984
79.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Physical Test on Insulation and Sheath: - Elongation at break on Insulation and sheath	Cl.18.1(d)1) of 1554(Part-2)1988 (RA2020), & IS 10810 (Part -7):1984, (RA 2021)
80.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Physical Test on Insulation and Sheath: - Tensile Strength on Insulation and sheath	Cl.18.1 (d) 1) of 1554(Part-2)1988, (RA 2020) & IS 10810 (Part -7)1984, (2021) IS 5831:1984 (RA 2021
81.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Physical Test on Insulation and Sheath: - Ageing in Air Oven on insulation and sheath	Cl.18.1 (d)2) of 1554(Part-2)1988, 2020& IS 10810 (Part -11):1984, (RA 2021) IS 5831:1984
82.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Physical Test on Insulation and Sheath: - Shrinkage Test on insulation and sheath	Cl.18.1(d) 3) of IS 1554(Part-2):1988(2020) & IS10810 (Part -12):1984, (RA 2021 IS 5831:1984 (RA 2021

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	Cables & Wires		
83.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Physical Test on Insulation and Sheath: - Hot Deformation Test on insulation and sheath	Cl.18.1(d) 4) of IS 1554(Part-2):1988 (RA 2020) & IS 10810 (Part -15):1984, (RA 2021) IS 5831:1984 (RA 2021)
84.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Physical Test on Insulation and Sheath: - Loss of Mass Test	Cl.18.1(d)5) of IS 1554(Part-2):1988 (RA 2020) & IS10810 (Part -10):1984, (RA 2021 IS)5831:1984 (RA 2021)
85.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Physical Test on Insulation and Sheath: - Heat Shock Test on insulation and sheath	Cl.18.1(d) 6) of IS 1554(Part-2):1988(RA 2020) & IS10810 (Part -14):1984, (RA 2021) IS 5831:1984 (RA 2021)
86.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Physical Test on Insulation and Sheath: - Thermal Stability	Cl.18.1(d)7) of IS 1554(Part-2):1988 (RA 2020) & IS 10810 (Part -60):1988RA 2020), IS 5831:1984 (RA 2021)
87.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Physical Test on Insulation and Sheath: - Water Absorption Test for insulation (Gravimetric)	Cl.18.1(d) of IS 1554(Part-2):1988(RA 2020) & IS10810 (Part -33) (RA 2021):1984

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	Cables & Wires		
88.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Insulation Resistance Test	Cl.18.1(e) of 1554(Part-2)1988, (RA 2020 & IS 10810 (Part -43):1984, (RA 2021) IS 5831:1984 (RA 2021)
89.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	Flammability Test	Cl.18.1(n) of 1554(Part-2)1988, (RA 2020) & IS 10810 (Part - 53):1984 (RA 2021)
90.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	FR - LSH Test on Cable: - Flame Retardant Test on Bunched Cable	Cl.19.11 of 1554 (Part-2)1988, (RA 2020) & IS 10810 (Part - 62):1993 (RA 2019)
91.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	FR - LSH Test on Cable: - Flame Retardant Test on Single Cable	Cl. 19.10 of 1554(Part-2)1988, (RA 2020) & IS 10810 (Part - 61):1988 (RA 2020)
92.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	FR - LSH Test on Cable: - Oxygen Index Test	Cl. 19.9 of 1554(Part-2)1988, (RA 2020) & IS 10810 (Part - 58):1998 (RA2019)
93.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	FR - LSH Test on Cable: - Smoke density Test	Cl. 19.12 of 1554(Part-2)1988, (RA 2020) & IS 10810 (Part - 63):1993 (RA 2019)

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94.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	FR - LSH Test on Cable: -Test for Halogen Acid Gas Evolution	Cl. 19.13 of 1554(Part-2)1988, (RA 2020 & IS 10810 (Part - 59):1988 (RA 2020)
95.	PVC Insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV to 11kV	FR - LSH Test on Cable: - Temperature Index Test	Cl.19.14 of 1554(Part-2)1988, (RA 2020) & IS 10810 (Part - 64):20039 (RA 2022)
96.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Ageing in Air Oven	Cl. 11.1 & Cl No. 6.1 of IS 17293 :2020, IS 10810 (Part-11):1984(RA 2021)
97.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Compatibility Test (Tensile Variation and Elongation Variation after Ageing)	Cl. 11.1 & Cl. 6.1 of IS 17293:2020, IS 10810 (Part-11):1984(RA 2021)
98.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Halogen Acid Gas evolution (Assessment of Halogens)	Cl.No.11.1 & ANNEX J of IS 17293:2020
99.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Hot Set test - Elongation under Load	Cl. 5.1 & Cl. No. 6.1 of IS 17293 :2020, IS 10810 (Part-30):1984 (RA 2021)
100.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Insulation Resistance	Cl 11.1 of IS 17293: 2020, IS 10810 (Part-43):1984 (RA 2021)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
101.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Long term resistance of insulation to DC	Cl. 11.1 & Cl. 11.2.4 of IS 17293:2020,
102.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Maximum Diameter of Wire in Conductor	CL.No.11.1 of IS:17293: 2020, cL.No.6.4.3 and Table 3 of IS 8130:2013 (RA 2018)
103.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Overall Diameter and Ovality	Cl.No.13.3.3 of IS 17293:2020
104.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Ozone Resistance of Sheath	Cl. 11.1 & ANNEX G of IS 17293:2020
105.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Persulphate Test (Checking of continuity of Tin)	CL.NO.7.1 IS 17293 :2020, IS 8130 :(2013, RA 2018) IS 10810 (Part-4) :1984 (2018)
106.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Sheath Resistance against acid and Alkaline solution - Tensile Strength Variation and Elongation Variation after Ageing	ANNEX-I, Cl. 5.1 & Cl. 6.1 of IS 17293:2020

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
107.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Shrinkage Test	Cl 11.1 of IS 17293 :2020, IS 10810 (Part-12):1984 (RA 2021)
108.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Surface Resistance of Sheath	Cl. 11.1 & Cl. 11.2.5.2 of IS 17293:2020
109.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Tensile Strength of Insulation and Sheath	Cl 5.1 & Cl. 6.1 of IS 17293 :2020, IS 10810 (Part-7):1984 (RA 2021)
110.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Test for vertical flame propagation on complete cable / Test for Flame Retardance on bunched Cable	Cl. 11.1 of IS 17293 :2020, IS 10810 (Part-53):1984 (RA 2021)
111.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Thickness of Insulation and Outer Sheath	Cl. 11.1 of IS 17293 :2020, IS 10810 (Part-6):1984 (RA 2021)
112.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Weathering / UV Resistance of Sheath	Cl.11.1 & ANNEX E of IS 17293:2020
113.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Ph and Conductivity Test (Assessment of Halogens)	Cl.No.11.1 & ANNEX J of IS 17293:2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
114.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Conductor Resistance Test	CL.11.1 of IS 17293 :2020, IS 8130 :2013, IS 10810 (PART-5):1984 (RA 2021)
115.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Elongation at break on Insulation and Sheath	Cl. No. 5.1 & Cl. No. 6.1 of IS 17293 :2020, IS 10810 (Part-7):1984 (RA 2021)
116.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Elongation Variation	Cl. 5.1 & Cl. No. 6.1 of IS 17293:2020
117.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Flammability Test	Cl. 20.8 of IS 7098 (Part-2):2011 & IS10810 (Part -53):1984 (RA 2021)
118.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	FR- LSH Test on Cables: - Oxygen Index Test	Cl.20.10 of IS 7098(Part-2):2011 & IS 10810 (Part -58):1998 (RA 2019)
119.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	FR- LSH Test on Cables: - Flame Retardant Test on Single Cable	Cl.20.11 of IS 7098(Part-2):2011 & IS 10810 (Part -61):1988 (RA 2020)
120.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	FR- LSH Test on Cables: - Flame Retardant Test on Bunched Cable	Cl.20.12 of IS 7098(Part-2):2011 & IS 10810 (Part -62):1993(RA 2019)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
121.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	FR- LSH Test on Cables: - Test for Halogen Acid Gas evolution	Cl.20.13 of IS 7098(Part-2):2011 & IS 10810 (Part -59):1988 (RA 2020)
122.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	FR- LSH Test on Cables: - Smoke density Test	Cl.20.14 of IS 7098(Part-2):2011
123.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	FR- LSH Test on Cables: - Temperature Index Test	Cl.20.15 of IS 7098(Part-2):2011 & IS 10810(Part -64):2003 (RA 2022)
124.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Conductor: - Annealing Test	Cl.19.1 (i) a) of IS 7098 (Part-2):2011 IS 8130:2013 (RA 2018 & IS 10810 (Part 1):1984 (RA 2021)
125.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Conductor: - Tensile Test [for Aluminum Wires]	Cl.19.1(i) b) of IS 7098 (Part-2):2011 IS 8130:2013(RA2018) & IS 10810 (Part 2):1984 (RA 2021)
126.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Conductor: - Wrapping Test [for Aluminum Wires]	Cl.19.1(i) c) of IS 7098 (Part-2):2011 IS 8130:2013 (RA 2018) & IS 10810 (Part 3):1984(RA 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
127.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Conductor: - Conductor Resistance Test	Cl.19.1(i) d) of IS 7098 (Part-2):2011 IS 8130 :2013 (RA 2018) & IS 10810 (Part 5):1984 (RA 2021)
128.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Armoring Wires / Formed Wires: - Armor Coverage Percentage Test	Cl.17.2 & Annex. F of IS 7098 (Part-2):2011
129.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Armoring Wires / Formed Wires: - Dimensions	Cl.17.3 of IS 7098 (Part-2):2011 IS 3975:1999 (RA 2021) & IS 10810 (Part 36):1984 (RA 2021)
130.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Armoring Wires / Formed Wires: - Armouring Resistance Test (For Mining Cables)	Cl.17.5 of IS 7098 (Part-2):2011
131.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Armouring Wires / Formed Wires: - Tensile strength at Break Test	Cl.17.6.1 of IS 7098 (Part-2):2011 IS 3975:1999 & IS 10810 (Part 37) (RA 2021) & IS 3975:1999 (RA 2021)
132.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Armouring Wires / Formed Wires: - Elongation at Break Test	Cl.17.6.2 of IS 7098 (Part-2):2011 IS 3975:1999 (RA 2021) & IS 10810 (Part 37):1984 (RA 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
133.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Armouring Wires / Formed Wires: - Mass of Zinc Coating	Cl.17.6.6 of IS 7098 (Part-2):2011 IS 3975:1999 (RA 2021) & IS 10810 (Part 41):1984 (RA 2021)
134.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Armoring Wires / Formed Wires: - Uniformity of Zinc Coating Test	Cl.17.6.5 of IS 7098 (Part-2):2011 IS 3975:1999 (RA 2021) & IS 10810 (Part 40):1984 (RA 2021)
135.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Armoring Wires / Formed Wires: - Resistivity & Conductance Test	Cl.17.6.7 of IS 7098 (Part-2):2011 IS 3975:1999 (RA 2021) & IS 10810 (Part 42):1984 (RA 2021)
136.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Armoring Wires / Formed Wires: - Torsion Test [Round Wire only]	Cl.17.6.3 of IS 7098 (Part-2):2011 IS 3975:1999 (RA 2021) & IS 10810 (Part 38):1984 (RA 2021)
137.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Test On Armoring Wires / Formed Wires: - Winding Test [Formed Wire only]	Cl.17.6.4 of IS 7098 (Part-2):2011 IS 3975:1999 (RA 2021) & IS 10810 (Part 39):1984 (RA 2021)
138.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Optional Test: - Cold Impact Test for Outer Sheath	Cl.19.4 of IS 7098 (Part-2):2011 IS 5831:1984 (RA 2021) & IS 10810-21:1984 (RA 2021)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
139.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Physical Test on Insulation & Sheath: - Ageing in Air Oven	Cl.19.1(iii) b) & (iv) b) of IS 7098 (Part-2):2011 & IS 10810 (Part 11:1984 (RA 2021)
140.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Physical Test on Insulation & Sheath: - Elongation at Break Test on insulation and sheath (Before Ageing)	Cl.19.1(iii) a) & (iv) a) of IS 7098 (Part-2):2011 & IS 10810 (Part 7):1984 (RA 2021)
141.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Physical Test on Insulation & Sheath: - Tensile Strength Test on insulation and sheath (Before Ageing)	Cl.19.1(iii) a) & (iv) a) of IS 7098 (Part-2):2011 & IS 10810 (Part 7):1984 (RA 2021)
142.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Physical Test on Insulation: - Hot Set test	Cl.19.1(iii) d) of IS7098 (Part-2):2011 & IS 10810 (Part 30):1984 (RA 2021)
143.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Physical Test on Insulation: - Water Absorption [Gravimetric]	Cl.19.1(iii) f) of IS 7098(Part-2):2011 & IS 10810 (Part 33):1984 (RA 2021)
144.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Physical Test on Insulation & Sheath: - Test for eccentricity and Thickness of Insulation & Outer Sheath /Overall dimension	Cl.12.2, 16.3, 18.3 of IS 7098 (Part-2:2011) & IS 10810 (Part 6):1984 (RA 2021)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
145.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Physical Test on Sheath: - Heat Shock Test	Cl.19.1(vi) d) of IS7098(Part-2):2011 IS 5831:1984 (RA 2021) & IS 10810 (Part 12):1984 (RA 2021)
146.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Physical Test on Sheath: - Hot Deformation Test	Cl.19.1(vi) f) of IS 7098 (Part-2):2011 IS 5831:1984 (RA 2021) & IS 10810 (Part 15):1984 (RA 2021)
147.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Physical Test on sheath: - Loss of Mass Test in Air Oven	Cl.19.1(vi) e) of IS7098(Part-2):2011 IS 5831:1984 & IS 10810 (Part 10):1984
148.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables	Physical Test on Sheath: - Thermal Stability Test	Cl.19.1(vi) g) of IS7098(Part-2)2011 IS 5831:1984 & IS 10810 (Part 60):1988
149.	Cables for motor vehicle	Ageing in air oven	IS:2465 (RA-2021): 1984, IS:10810(Pt-11) (RA- 2021): 1984, IS:6380 (RA-2021): 1984, IS:5831 (RA-2021): 1984
150.	Cables for motor vehicle	Ageing in oxygen bomb	IS:2465 (RA-2021): 1984, IS:10810(Pt-16) (RA- 2017): 1984, IS:6380 (RA-2021): 1984,
151.	Cables for motor vehicle	Annealing test	IS:2465 (RA-2021): 1984, IS:10810(Pt-1) (RA- 2021): 1984, IS:8130 (RA-2018): 2013
152.	Cables for motor vehicle	Capacitance test	IS:2465 (RA-2021): 1984,

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
153.	Cables for motor vehicle	Conductor resistance test	IS:2465 (RA-2021): 1984, IS:10810(Pt-5) (RA- 2021): 1984, IS:8130 (RA-2018): 2013
154.	Cables for motor vehicle	Effect of heat on flexibility	IS:2465 (RA-2021): 1984
155.	Cables for motor vehicle	Effect of lubricating oil, break fluid, diesel and petrol (for general wiring cable	IS:2465 (RA-2021): 1984
156.	Cables for motor vehicle	Effect of oil	IS:2465 (RA-2021): 1984
157.	Cables for motor vehicle	Effect on cooling on flexibility	IS:2465 (RA-2021): 1984
158.	Cables for motor vehicle	Elongation at break	IS:2465 (RA-2021): 1984, IS:10810(Pt-7) (RA- 2021): 1984, IS:6380 (RA-2021): 1984, IS:5831 (RA-2021): 1984
159.	Cables for motor vehicle	Flammability test	IS:2465 (RA-2021): 1984, IS:10810(Pt-53) (RA- 2021): 1984,
160.	Cables for motor vehicle	Heat shock test	IS:2465 (RA-2021): 1984, IS:10810(Pt-14) (RA- 2021): 1984, IS:5831 (RA-2021): 1984,
161.	Cables for motor vehicle	High voltage test	IS:2465 (RA-2021): 1984, IS:10810(Pt-45) (RA- 2021): 1984
162.	Cables for motor vehicle	Hot deformation test	IS:2465 (RA-2021): 1984, IS:10810(Pt-15) (RA- 2021): 1984, IS:5831 (RA-2021): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
163.	Cables for motor vehicle	Laying up of cores	IS:2465 (RA-2021): 1984
164.	Cables for motor vehicle	Loss of mass test	IS:2465 (RA-2021): 1984, IS:10810(Pt-10) (RA- 2021): 1984, IS:5831 (RA-2021): 1984
165.	Cables for motor vehicle	Ozone resistance test	IS :2465 (RA-2021): 1984, IS:10810(Pt-13) (RA- 2021), IS:6380 (RA-2021): 1984
166.	Cables for motor vehicle	Persulphate test	IS:2465 (RA-2021): 1984, IS:10810(Pt-4) (RA- 2021): 1984, IS:8130 (RA-2018): 2013
167.	Cables for motor vehicle	Shrinkage test	IS:2465 (RA-2021): 1984, IS:10810(Pt-12) (RA- 2021): 1984, IS:5831 (RA-2021): 1984
168.	Cables for motor vehicle	Tensile strength	IS:5831 (RA-2021): 1984, IS:6380 (RA-2021): 1984, IS:10810(Pt-7) (RA-2021): 1984
169.	Cables for motor vehicle	Test for thickness of insulation and sheath and overall diameter	IS:2465 (RA-2021): 1984, IS:10810(Pt-6) (RA- 2021): 1984
170.	Elastomer insulated cables	Ageing in air bomb	IS:9968(PT-1) (RA- 2020): 1988, IS:10810(Pt-56) (RA- 2017): 1987, IS:6380 (RA-2021): 1984
171.	Elastomer insulated cables	Ageing in air oven	IS:9968(PT-1) (RA- 2020): 1988,

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	Cables & Wires		
			IS:10810(Pt-11) (RA- 2021): 1984, IS:6380 (RA-2021): 1984
172.	Elastomer insulated cables	Ageing in air oven	IS:9968(Pt-1) (RA- 2020): 1988, IS:10810(Pt-11) (RA- 2021): 1984 IS:6380 (RA-2021): 1984
173.	Elastomer insulated cables	Ageing in oxygen bomb	IS:9968(Pt-1) (RA- 2020): 1988, IS:10810(Pt-16) (RA- 2017): 1987, IS:6380 (RA-2021): 1984
174.	Elastomer insulated cables	Annealing test	IS:9968(Pt-1) (RA- 2020): 1988, IS:10810(Pt-1) (RA- 2021) : 1984, IS:8130 (RA-2018): 2013
175.	Elastomer insulated cables	Conductor resistance test	IS:9968(Pt-1) (RA- 2020): 1988IS:10810(Pt-5) (RA- 2021): 1984, IS:8130 (RA-2018): 2013
176.	Elastomer insulated cables	Elongation at break	IS:9968(Pt-1) (RA- 2020): 1988, IS:10810(Pt-7) (RA- 2021): 1984, IS:6380 (RA-2021) : 1984
177.	Elastomer insulated cables	Flammability test	IS:9968(Pt-1) (RA- 2020): 1988, IS:10810(Pt-53) (RA- 2021): 1984
178.	Elastomer insulated cables	High voltage test	IS:10810(Pt-45) (RA- 2021): 1984, IS:9968(Pt-1) (RA- 2020): 1988

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
179.	Elastomer insulated cables	Hot set test	IS:9968(PT-1) (RA- 2020): 1988, IS:10810(Pt-30) (RA- 2021): 1984, IS:6380 (RA-2021): 1984
180.	Elastomer insulated cables	Insulation resistance test	IS:9968(PT-1) (RA- 2020): 1988, IS:10810(Pt-43) (RA- 2021): 1984, IS:6380 (RA-2021): 1984
181.	Elastomer insulated cables	Laying up of cores	IS:9968(PT-1) (RA- 2020): 1988
182.	Elastomer insulated cables	Oil resistance test	IS:9968(PT-1) (RA- 2020): 1988, IS:10810(Pt-31) (RA- 2021): 1984, IS:6380 (RA-2021): 1984
183.	Elastomer insulated cables	Ozone resistance test	IS:9968(PT-1) (RA- 2020): 1988 IS:6380 (RA-2021): 1984
184.	Elastomer insulated cables	Persulphate test	IS:9968(PT-1) (RA- 2020): 1988 IS:10810(Pt-4) (RA- 2021): 1984 IS:8130 (RA-2018): 2013
185.	Elastomer insulated cables	Tear resistance test	IS:9968(PT-1) (RA- 2020): 1988 IS:10810(Pt-17) (RA- 2021): 1986 IS:6380 (RA-2021): 1984
186.	Elastomer insulated cables	Tensile strength	IS:9968(PT-1) (RA- 2020): 1988 IS:10810(Pt-7) (RA- 2021): 1984, IS:6380 (RA-2021): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
187.	Elastomer insulated cables	Tensile test (for Aluminium)	IS:9968(PT-1) (RA- 2020): 1988 IS:10810(Pt-2) (RA- 2021): 1984 IS:8130 (RA-2018): 2013
188.	Elastomer insulated cables	Test for thickness of insulation and sheath and overall diameter	IS:9968(PT-1) (RA- 2020): 1988 IS:10810(Pt-6) (RA- 2021): 1984
189.	Elastomer insulated cables	Water absorption test	IS:9968(PT-1) (RA- 2020): 1984 IS:10810(Pt-28) (RA- 2021): 1984
190.	Elastomer insulated cables	Wrapping test (for Aluminium)	IS:9968(PT-1) (RA- 2020): 1988 IS:10810(Pt-3) (RA- 2021): 1984 IS:8130 (RA-2018): 2013
191.	Arial Bunched conductor cable	Breaking Load Test	IS 10810 (P-2): 1984, RA 2016, IS 8130, Cl.6.5: 2013, RA 2018
192.	Arial Bunched conductor cable	Conductor Resistance	IS 10810 (P-5): 1984, RA 2016IS 8130, Cl.7.3: 2013, RA 2018
193.	Arial Bunched conductor cable	Elongation Test	IS 10810 (P-7): 1984, RA 2016, IS 8130, Cl.11.3: 2013, RA 2018
194.	Arial Bunched conductor cable	Tensile Strength & Elongation at Break	IS 14255: 1995, RA 2020 IS 10810 (P-7): 1984, RA 2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
195.	Arial Bunched conductor cable	Tensile Test for Conductor	IS 10810 (P-2): 1984, RA 2021, IS 8130, Cl.7.1: 2013, RA 2018
196.	Arial Bunched conductor cable	Wrapping Test	IS 8130, Cl.7.2: 2013, RA 2018, IS 10810 (P-3): 1984, RA 2021
197.	Arial Bunched conductor cable	Ageing in air oven After ageing Tensile strength & Elongation at break	IS 10810 (P-11): 1984, RA 2021, IS 14255: 1995, RA 2020
198.	Arial Bunched conductor cable	Bending Test on Complete Cable	IS 14255 Cl.11.4: 1995
199.	Arial Bunched conductor cable	Carbon Black Content	IS 10810 (P-32): 1984, RA 2021, IS 14255: 1995, RA 2020
200.	Arial Bunched conductor cable	Carbon Black Dispersion	IS 10810 (P-32): 1984, RA 2021, IS 14255: 1995, RA 2020
201.	Arial Bunched conductor cable	Environment Stress Cracking	IS 14255: 1995, RA 2020, IS 10810 (P-29): 1984, RA 2021
202.	Arial Bunched conductor cable	High Voltage Test	IS 14255: 1995, RA 2020, IS 10810 (P-45): 1984, RA 2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
203.	Arial Bunched conductor cable	Hot Set Test	IS 10810 (P-30):1984, RA 2021, IS 14255: 1984, RA 2020
204.	Arial Bunched conductor cable	Insulation Resistance Test (Volume Resistivity)	IS 14255: 1995, RA 2020, IS 10810 (P-43): 1984, RA 2021
205.	Arial Bunched conductor cable	Shrinkage Test	IS 10810 (P-12): 1984, RA 2021, IS 14255: 1995, RA2020
206.	Arial Bunched conductor cable	Test for PE Insulation Melt Flow Index	IS 14255: 1995, RA 2020
207.	Arial Bunched conductor cable	Test for Thickness of Insulation	IS 14255: 1995, RA2020, IS 10810 (P-6): 1984, RA 2021
208.	Arial Bunched conductor cable	Vicat Softening Point	IS 10810 (P-22): 1984, RA 2021, IS 14255: 1995, RA 2020
209.	Arial Bunched conductor cable	Water Absorption Test (Gravimetric)	IS 14255: 1995, RA 2020, IS 10810 (P-33): 1984, RA 2021
210.	HHFR CABLE Working voltage up to and including 1100 volts	Persulphate test	Table 2 of IS: 17048:2018, IS: 10810 (P-4), IS:8130 (RA-2018): 2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
211.	HHFR CABLE Working voltage up to and including 1100 volts	Ageing in air oven insulation and sheath	IS: 17048: 2018, IS:10810(Pt-11) (RA-2021): 1984
212.	HHFR CABLE Working voltage up to and including 1100 volts	Ageing in air oven insulation and sheath	IS: 17048:2018, IS:10810(Pt-11) (RA-2021): 1984
213.	HHFR CABLE Working voltage up to and including 1100 volts	Annealing test	IS: 17048: 2018, IS:10810(Pt-1) (RA-2021): 1984, IS:8130 (RA-2018): 2013
214.	HHFR CABLE Working voltage up to and including 1100 volts	Assessment of halogen insulation and sheath	IS: 17048:2018, IS 10810(P-59):1988 (RA 2021)
215.	HHFR CABLE Working voltage up to and including 1100 volts	Cold bend test	IS: 17048:2018, IS:10810(Pt -20) (RA-2021): 1984
216.	HHFR CABLE Working voltage up to and including 1100 volts	Cold impact test	IS: 17048:2018, IS:10810(Pt-21) (RA-2021): 1984
217.	HHFR CABLE Working voltage up to and including 1100 volts	Conductor resistance test	IS: 17048:2018, IS:10810(Pt-5) (RA-2021): 1984, IS:8130 (RA-2018): 2013
218.	HHFR CABLE Working voltage up to and including 1100 volts	Flame retardant test on single cable	IS: 17048:2018, is:10810(pt-61) (RA-2021): 1984
219.	HHFR CABLE Working voltage up to and including 1100 volts	Flammability test	IS: 17048:2018, IS:10810(Pt -53) (RA-2021): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
220.	HHFR CABLE Working voltage up to and including 1100 volts	High voltage test	IS: 17048:2018, IS:10810(Pt-45) (RA-2021): 1984
221.	HHFR CABLE Working voltage up to and including 1100 volts	Hot deformation test insulation and sheath	IS: 17048:2018, IS:10810(Pt-15) (RA-2021): 1984
222.	HHFR CABLE Working voltage up to and including 1100 volts	Hot set test insulation and sheath	IS: 17048:2018, IS:10810(Pt-30) (RA-2021): 1984
223.	HHFR CABLE Working voltage up to and including 1100 volts	Insulation resistance test	IS: 17048:2018, IS:10810(Pt-43) (RA-2021): 1984
224.	HHFR CABLE Working voltage up to and including 1100 volts	Oxygen index test insulation and sheath	IS:17048: 2018, IS:10810(Pt-58) (RA-2019): 1998
225.	HHFR CABLE Working voltage up to and including 1100 volts	Ozone resistance test	IS: 17048:2018, IS:10810(Pt-13) (RA-2021): 1984
226.	HHFR CABLE Working voltage up to and including 1100 volts	Temperature index test insulation and sheath	IS: 17048:2018, IS:10810(Pt-64) (RA-2022): 2003
227.	HHFR CABLE Working voltage up to and including 1100 volts	Tensile strength	IS: 17048:2018, IS:10810(Pt-7) (RA-2021): 1984
228.	HHFR CABLE Working voltage up to and including 1100 volts	Tensile strength after ageing	IS:10810(Pt-11) (RA- 2021): 1984, IS: 17048:2018
229.	HHFR CABLE Working voltage up to and including 1100 volts	Elongation at break	IS: 17048:2018, IS:10810(Pt-7) (RA-2021): 1984
230.	HHFR CABLE Working voltage up to and including 1100 volts	Elongation at break after ageing	IS:10810(Pt-11) (RA- 2021): 1984, IS: 17048:2018

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
231.	HHFR CABLE Working voltage up to and including 1100 volts	Tensile test (for Aluminium)	IS: 17048:2018, IS:10810(Pt-2) (RA-2021): 1984, IS:8130 (RA-2018): 2013
232.	HHFR CABLE Working voltage up to and including 1100 volts	Test for overall dimension and thickness of insulation and sheath	IS: 17048:2018, IS:10810(Pt-6) (RA-2021): 1984
233.	HHFR CABLE Working voltage up to and including 1100 volts	Water immersion test	IS: 17048:2018,
234.	HHFR CABLE Working voltage up to and including 1100 volts	Water immersion test	IS: 17048:2018
235.	HHFR CABLE Working voltage up to and including 1100 volts	Wrapping test (for Aluminium)	IS: 17048:2018, IS:8130 (RA-2018): 2013
236.	HHFR CABLE Working voltage up to and including 1100 volts	Smoke Density test	IS: 17048:2018, IS 10810(P-63): 1993 (RA 2019)
237.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Persulphate test	IS:17505(P1):2021, IS: 10810 (P-4):1984 IS:8130 (RA-2018): 2013
238.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Annealing test for copper	IS:17505(P1):2021, IS:8130 (RA-2018): 2013, IS 10810(P-1): 1984
239.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Conductor Resistance	IS:17505(P1):2021, IS:8130 (RA-2021): 2013, IS 10810(P-5): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
240.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Dimension Test for Armour	IS:17505(P1):2021 IS:10810(Part-36): 1984 (RA 2021), IS 3975:1999
241.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Elongation test for Armour	IS:17505(P1):2021 IS:10810(Part-37): 1984 (RA 2021), IS 3975:1999 (RA 2021)
242.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Tensile strength for Armour	IS:17505(P1):2021 IS:10810(Part-37): 1984 (RA 2021), IS 3975:1999 (RA 2021)
243.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Torsion test for Armour	IS:17505(P1):2021 IS:10810(Part-38): 1984 (RA 2021), IS 3975:1999 (RA 2021)
244.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Uniformity of zinc coating test	IS:17505(P1):2021 IS:10810(Part-40): 1984 (RA 2021), IS 3975:1999 (RA 2021)
245.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Mass of Zinc coating	IS:17505(P1):2021 IS:10810(Part-41): 1984 (RA 2021), IS 3975:1999 (RA 2021)
246.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Winding test for Armouring	IS:17505(P1):2021 IS:10810(Part-39): 1984 (RA 2021), IS 3975:1999 (RA 2021)
247.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Abrasion resistance test	IS:17505(Part-1): 2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
248.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Ageing in air oven on insulation and sheath	IS:17505(PART-1): 2021, IS:10810(PART-11):1984 RA:2021: 1984,
249.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Assessment of halogen insulation and sheath	IS:17505(Part-1): 2021, IS 10810(59):1988 (RA 2020)
250.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Cold bend test	IS:17505(Part-1): 2021, IS:10810(Pt-20) (RA- 2021): 1984
251.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Cold impact test	IS:17505(Part-1): 2021, IS:10810(Pt-21) (RA- 2021): 1984
252.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Effect of water on sheath	IS:17505(Part-1): 2021
253.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Elongation at break before ageing insulation and sheath	IS:17505(Part-1): 2021, IS:10810(PART-7):1984 RA:2021: 1984
254.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Flame retardance tests for bunched cables	IS:17505(Part-1): 2021, IS:10810(Pt-62) (RA- 2019): 1993
255.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Flame retardant test on single cable	IS:17505(Part-1): 2021, IS:10810(Pt-61) (RA- 2021): 1993

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
256.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Flammability test	IS:17505(Part-1): 2021, IS:10810(Pt-53) (RA- 2019): 1993
257.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Heat shock test on insulation and sheath	IS:17505(Part-1): 2021, IS:10810(Pt-14) (RA- 2021): 1984
258.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	High voltage test	IS:17505(Part-1): 2021, IS:10810(Pt-45) (RA- 2021): 1984
259.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Hot set test on insulation and sheath	IS:17505(Part-1): 2021, IS:10810(Pt-30) (RA- 2021): 1984
260.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Insulation resistance test (volume resistivity test)	IS:17505(Part-1): 2021, IS:10810(Pt-43) (RA- 2021): 1984
261.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Oxygen index test on insulation and sheath	IS:17505(Part-1): 2021, IS:10810(Pt-58) (RA- 2019): 1998,
262.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Ozone resistance test	IS:17505(Part-1): 2021, IS:10810(Pt-13) (RA- 2021): 1984
263.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Resistivity of steel wire	IS:17505(Part-1): 2021, IS:10810(Pt-42) (RA- 2021): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
264.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Shrinkage test on insulation and sheath	IS:17505(Part-1): 2021, IS:10810(Pt-12) (RA- 2021): 1984
265.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Smoke density test	IS:13360 (Part-6/Sec- 9): 2001, IS:17505(Part-1): 2021, IS 10810(P-63):1993
266.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Temperature index test insulation and sheath	IS:17505(Part-1): 2021, IS:10810(Pt-64) (RA- 2018): 2003
267.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Tensile strength test before ageing insulation and sheath	IS:17505(PART-1): 2021, IS:10810(PART-7) RA:2021: 1984
268.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Tests for the thickness of insulation and sheath	IS:17505(PART-1): 2021, IS:10810(PART-6) RA:2021: 1984
269.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Water absorption test (gravimetric)	IS:17505(Part-1): 2021, IS:10810(Pt-33) (RA- 2021): 1984
270.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Circuit integrity test under fire	ANNEXE E of IS:17505(Part-1): 2021,
271.	Welding Cables	Ageing in air bomb	IS:9857 (RA-2020): 1990 IS:6380 (RA-2021): 1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
272.	Welding Cables	Ageing in air oven	IS: 9857(RA-2020): 1990, IS:10810(Pt-11) (RA- 2021): 1984, IS:6380 (RA-2021): 1984
273.	Welding Cables	Ageing in air oven	IS:9857 (RA-2020): 1990, IS:10810(Pt-11) (RA- 2021): 1984, IS:6380 (RA-2021): 1984
274.	Welding Cables	Annealing test for copper	IS 9857: 1990 (RA 2020), IS 10810 (P-1), RA 2021: 1984, IS 8130, RA 2018: 2013
275.	Welding Cables	Conductor Resistance Test	IS 9857, RA 2020: 1990, IS 10810 (P-5), RA 2021: 1984, IS:8130 (RA-2018): 2013
276.	Welding Cables	Elongation at break	IS:9857 (RA-2020): 1990, IS:10810(Pt-7) (RA- 2021): 1984, IS:6380 (RA-2021): 1984
277.	Welding Cables	Flammability test	IS:9857 (RA-2020): 1990, IS:10810(Pt-54) (RA- 2021): 1984,
278.	Welding Cables	High voltage test (water immersion test)	IS:9857 (RA-2020): 1990, IS:10810(Pt-45) (RA- 2021): 1984
279.	Welding Cables	Hot set test	IS:9857 (RA-2020): 1990, IS:10810(Pt-30) (RA- 2021): 1984, IS:6380 (RA-

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
			2021): 1984
280.	Welding Cables	Oil resistance test	IS:9857 (RA-2020): 1990, IS:10810(Pt-31) (RA- 2021): 1984, IS:6380 (RA-2021): 1984
281.	Welding Cables	Static flexibility test	IS:9857 (RA-2020): 1990, IS:10810(Pt-54) (RA- 2021): 1984
282.	Welding Cables	Tensile strength	IS:9857 (RA-2020: 1990, IS:10810(Pt-7) (RA- 2021): 1984, IS:6380 (RA-2021: 1984
283.	Welding Cables	Thickness of covering	IS:9857 (RA-2020): 1990, IS:10810(Pt-6) (RA- 2021): 1984
284.	Elastomer insulated flexible cables for use in mines	Ageing in air bomb	IS: 14494:2019 (RA 2024), IS:10810(Pt-56) (RA- 2017): 1987, IS:6380 (RA-2021): 1984
285.	Elastomer insulated flexible cables for use in mines	Ageing in air oven	IS: 14494:2019 (RA 2024), IS:10810(Pt-11) (RA- 2021): 1984, IS:6380 (RA-2021): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
286.	Elastomer insulated flexible cables for use in mines	Annealing test	IS: 14494:2019 (RA 2024), IS:10810(Pt-1) (RA- 2021): 1984, IS:8130 (RA-2018): 2013
287.	Elastomer insulated flexible cables for use in mines	Bending test	IS:14494: 2019 (RA 2024)
288.	Elastomer insulated flexible cables for use in mines	Conductor resistance test	IS: 14494:2019 IS:10810(Pt-5) (RA- 2021): 1984, IS:8130 (RA-2018): 2013
289.	Elastomer insulated flexible cables for use in mines	Diameter of armour wire	IS: 14494:2019 (RA 2024) IS:10810(Pt-36) (RA- 2021): 1984, IS 3975:1999
290.	Elastomer insulated flexible cables for use in mines	Elongation at break	IS: 14494:2019 (RA 2024) IS:10810(Pt-37) (RA- 2021): 1984, IS 3975:1999 (RA 2021)
291.	Elastomer insulated flexible cables for use in mines	Flammability test	IS: 14494:2019 (RA 2024), IS:10810(Pt - 54) (RA-2021): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
292.	Elastomer insulated flexible cables for use in mines	High voltage test	IS: 14494:2019 (RA 2024), IS:10810(Pt - 45) (RA-2021): 1984
293.	Elastomer insulated flexible cables for use in mines	Hot set test	IS: 14494:2019 (RA 2024) IS:10810(Pt-30) (RA- 2021): 1984IS:6380 (RA-2021): 1984
294.	Elastomer insulated flexible cables for use in mines	Insulation resistance test	IS: 14494:2019 (RA 2024), IS:10810(Pt - 43) (RA-2021): 1984, IS:6380 (RA 2021):1984
295.	Elastomer insulated flexible cables for use in mines	Mass of zinc coating	IS: 14494:2019 (RA 2024), IS:10810(Pt- 41) (RA- 2021): 1984
296.	Elastomer insulated flexible cables for use in mines	Oil resistance test	IS: 14494:2019 IS:10810(Pt-31) (RA- 2021): 1984IS:6380 (RA-2021): 1984
297.	Elastomer insulated flexible cables for use in mines	Ozone resistance test	IS: 14494:2019 (RA 2024) IS:6380 (RA-2021): 1984,IS:10810(Pt- 13) (RA- 2021): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
298.	Elastomer insulated flexible cables for use in mines	Resistivity of steel wire	IS: 14494:2019 (RA 2024) IS:10810(Pt-42) (RA- 2021): 1984
299.	Elastomer insulated flexible cables for use in mines	Tear resistance test	IS: 14494:2019(RA 2024) IS:10810(Pt-17) (RA- 2021): 1984, IS:6380 (RA-2021): 1984
300.	Elastomer insulated flexible cables for use in mines	Tensile strength	IS: 14494:2019, IS:10810(Pt-7) (RA-2021): 1984 IS:6380 (RA-2021): 1984
301.	Elastomer insulated flexible cables for use in mines	Tensile strength	IS: 14494:2019 (RA 2024),IS:10810(Pt-37) (RA- 2021): 1984
302.	Elastomer insulated flexible cables for use in mines	Thickness of inner sheath	IS: 14494:2019 (RA 2024)
303.	Elastomer insulated flexible cables for use in mines	Thickness of inner sheath	IS:10810(Pt-6) (RA- 2021): 1984, IS:14494:2019 (RA 2024)
304.	Elastomer insulated flexible cables for use in mines	Thickness of insulation	IS: 14494:2019 (RA 2024), :10810(Pt-6) (RA- 2021): 1984,
305.	Elastomer insulated flexible cables for use in mines	Thickness of outer sheath	IS: 14494:2019 (RA 2024), IS:10810(Pt-6) (RA- 2021): 1984
306.	Elastomer insulated flexible cables for use in mines	Torsion test	IS: 14494:2019 (RA 2024), IS:10810(Pt-38) (RA- 2021): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
307.	Elastomer insulated flexible cables for use in mines	Uniformity of zinc coating	IS: 14494:2019 (RA 2024) IS:10810(Pt-40) (RA- 2021): 1984
308.	Elastomer insulated flexible cables for use in mines	Water absorption test	IS: 14494:2019 (RA 2024), IS:10810(Pt -28) (RA-2021): 1984
309.	Electric and optical fiber cables	Flame Retardance test on Bunched Cables	IEC 60332-3-25:2018
310.	Electric and optical fiber cables	Flame Retardance test on Bunched Cables	IEC 60332-3-21:2018
311.	Electric and optical fiber cables	Flame Retardance test on Bunched Cables	IEC 60332-3-22:2018
312.	Electric and optical fiber cables	Flame Retardance test on Bunched Cables	IEC 60332-3-23:2018
313.	Electric and optical fiber cables	Flame Retardance test on Bunched Cables	IEC 60332-3-24:2018
314.	Electric and optical fiber cables	Flame Spread Test on Single Cable	IEC 60332-1-2:2004
315.	Electric and optical fiber cables	Conductivity	IEC 60754-2:2011
316.	Electric and optical fiber cables	pH	IEC 60754-2:2011
317.	Electric and optical fiber cables	Hot Set Test	IEC/BS EN 60811-507:2012
318.	Electric and optical fiber cables	Impact test at low temperature for insulations and sheaths	IEC/BS EN 60811-506:2012

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
319.	Electric and optical fiber cables	Measurement of overall dimensions	IEC/BS EN 60811-203:2012
320.	Electric and optical fiber cables	Oil Immersion Test	IEC/BS EN 60811-404:2012
321.	Electric and optical fiber cables	Ozone Resistance Test	IEC/BS EN 60811-403:2012
322.	Electric and optical fiber cables	Pressure Test at High Temperature	IEC/BS EN 60811-508:2012
323.	Electric and optical fiber cables	Resistance of insulations and sheaths to cracking (heat shock test)	IEC/BS EN 60811-509:2012
324.	Electric and optical fiber cables	Shrinkage test for insulation	IEC/BS EN 60811-502:2012
325.	Electric and optical fiber cables	Shrinkage Test for Sheath	IEC/BS EN 60811-503:2012
326.	Electric and optical fiber cables	Tensile Strength of Insulation and Sheath	IEC/BS EN 60811-501:2012
327.	Electric and optical fiber cables	Water Absorption Test (Electrical)	IEC/BS EN 60811-402:2012
328.	Electric and optical fiber cables	Water Absorption Test (Gravimetric)	IEC/BS EN 60811-402:2012
329.	Electric and optical fiber cables	Test on Single Vertical flame test	BS EN 60332-1-2:2004

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
330.	Non-metallic materials	Measurements of Thickness of Sheath	IEC/BS EN 60811-202:2012
331.	Non-metallic materials	Tensile Strength and Elongation at break after conditioning at elevated temperature	BSEN/IEC 60811-512:2012
332.	Non-metallic materials	Wrapping after thermal ageing in air	BSEN/IEC 60811-510:2012
333.	Performance Requirements for cables requirements to maintain circuit integrity under for conditions / Fire Survival Cables	Resistance to fire alone (Protocol C)	BS 6387:2013
334.	Performance Requirements for cables requirements to maintain circuit integrity under for conditions / Fire Survival Cables	Resistance to fire to with water (Protocol W)	BS 6387:2013
335.	Performance Requirements for cables requirements to maintain circuit integrity under for conditions / Fire Survival Cables	Resistance to fire with mechanical shock (Protocol Z)	BS 6387:2013
336.	Electric and optical fiber cables	Test for electric cables under fire conditions- Circuit Integrity	IEC 60331-25:1999

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
337.	Electric and optical fiber cables	Resistance to fire with mechanical shock	IEC 60331-1:2018
338.	Electric and optical fiber cables	Test for electric cables under fire conditions- Circuit Integrity	IEC 60331-21:1999
339.	Electric and optical fiber cables	Circuit integrity test under fire condition	IEC 60331-21:2018
340.	Electric and optical fiber cables	Resistance to fire with mechanical shock	IEC 60331-2:2018
341.	Electric and optical fiber cables	Resistance to fire with mechanical shock	IEC 60331-3:2018
342.	Electric and optical fiber cables	Fire with shock at a temperature of at least 830 °C	IEC 60331-12:2002
343.	Electric and optical fiber cables	Fire alone at a flame temperature of at least 750 degree C	IEC 60331-11:1999
344.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Compatibility Test	IEC 60227-1:2007
345.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Impact test	IEC 60227-1:2007
346.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Mean value of diameter	IEC 60227-1:2007

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
347.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Ovality test	IEC 60227-1:2007
348.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Compatibility Test	IEC 60227-2:1997
349.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Impact test	IEC 60227-2:1997
350.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Mean value of diameter	IEC 60227-2:1997
351.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Ovality test	IEC 60227-2:1997
352.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Impact test	IEC 60227-3:2024
353.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Mean value of diameter	IEC 60227-3:2024
354.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Compatibility Test	IEC 60227-4:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
355.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Impact test	IEC 60227-4:20241
356.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Mean value of diameter	IEC 60227-4:2024
357.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Ovality test	IEC 60227-4:2024
358.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Compatibility Test	IEC 60227-5:2011
359.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Impact test	IEC 60227-5:2011
360.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Mean value of diameter	IEC 60227-5:2011
361.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Ovality test	IEC 60227-5:2011
362.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Compatibility Test	IEC 60227-6:2001

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
363.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Impact test	IEC 60227-6:2001
364.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Mean value of diameter	IEC 60227-6:2001
365.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Ovality test	IEC 60227-6:2001
366.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	"Heat shock test (Insulation / Sheath)"	IEC 60227-7:2024
367.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	"Loss of Mass (Insulation and sheath)"	IEC 60227-7:2024
368.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	"Pressure test at high temperature (Insulation / Sheath)"	IEC 60227-7:2024
369.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Compatibility Test	IEC 60227-7:2024
370.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Impact test	IEC 60227-7:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
371.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Insulation Resistance	IEC 60227-7:2024
372.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Measurement of overall diameter	IEC 60227-7:2024
373.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Mineral Oil Resistance of sheath	IEC 60227-7:2024
374.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Resistance of conductors	IEC 60227-7:2024
375.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Tensile test after ageing (insulation / inner sheath / overs heath)	IEC 60227-7:2024
376.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Tensile test before ageing (insulation / inner sheath / over sheath)	IEC 60227-7:2024
377.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Test of flame retardance	IEC 60227-7:2024
378.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Thickness of insulation / inner sheath / over sheath	IEC 60227-7:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
379.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Voltage test	IEC 60227-7:2024
380.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Ageing in air oven Elongation at Break Variation (Insulation & Sheath)	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
381.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Ageing in air oven Tensile Strength Variation (Insulation & Sheath)	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
382.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Conductor Resistance	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
383.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Durability & Legibility of Marking	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
384.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Elongation at break (Insulation and Sheath)	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
385.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Flammability Test	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
386.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Heat Shock Test	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-4:2024 IEC 60227-5:2011
387.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	High Voltage test (Water immersion)	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
388.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	High Voltage test at room temperature	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
389.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Hot deformation test / Pressure Test at High Temperature	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
390.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	High Voltage test at room temperature	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
391.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Insulation Resistance	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
392.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Loss of Mass	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
393.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Tensile strength (Insulation and Sheath)	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
394.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Test for eccentricity and Thickness of insulation and sheath / Overall Dimensions	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
395.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Thermal Stability	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:2024 IEC 60227-:2024 IEC 60227-5:2011
396.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Ageing in Air Oven	IEC 60227-6:2001
397.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Durability & Legibility of Marking	IEC 60227-6:2001
398.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Heat Shock Test	IEC 60227-6:2001
399.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	High Voltage test (Water immersion)	IEC 60227-6:2001
400.	Polyvinyl chloride insulated cables of rated voltages up to	High Voltage test at room temperature	IEC 60227-6:2001

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
	and including 450/750 V		
401.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Hot deformation test / Pressure Test at High Temperature	IEC 60227-6:2001
402.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Insulation Resistance	IEC 60227-6:2001
403.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Loss of Mass	IEC 60227-6:2001
404.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Tensile strength and elongation at break on Insulation and Sheath	IEC 60227-6:2001
405.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Test for eccentricity and Thickness of insulation and sheath / Overall Dimensions	IEC 60227-6:2001
406.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Test under Fire Conditions / Flammability Test	IEC 60227-6:2001
407.	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	Thermal Stability	IEC 60227-6:2001

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	Cables & Wires		
408.	UV Exposure of Non-metallic materials	UV Test	ASTM G 151 -10:2010 & ASTM G 151 – 19:
409.	UV Exposure of Non-metallic materials	UV Test	ASTM G 154 -16
410.	UV Exposure of Non-metallic materials	UV Test	ASTM G 152
411.	Fire Resistance, Low Smoke Zero Halogen Insulated electric Cable, electric cable	Oxygen Index	ASTM D 2863
412.	FR / FR-LSH wire and cables	Flammability test	IEC:60332-3-23: 2010
413.	FR / FR-LSH wire and cables	Flame retardance test for bunched cables	IS:10810(PART-62) RA:2019: 1993
414.	FR / FR-LSH wire and cables	Flame retardance tests for bunched cables	IEC:60332-3-21: 2010
415.	FR / FR-LSH wire and cables	Flame retardant test on single cable	SS 424-1475: 2019
416.	FR / FR-LSH wire and cables	Flame retardant test on single cable.	IS:10810(PART-61) RA:2020: 1988
417.	FR / FR-LSH wire and cables	Flammability test	IEC60332-2-2: 2010
418.	FR / FR-LSH wire and cables	Oxygen index test	IS:10810(PART-58) RA:2019: 1998
419.	FR / FR-LSH wire and cables	Oxygen index test	ASTM D:2863: 2019
420.	FR / FR-LSH wire and cables	Temperature index test	ASTM D:2863: 2019

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
421.	FR / FR-LSH Wires and Cables	Temperature index test	IS:10810(PART-64) RA:2018: 2003
422.	FR-LSH Wires and Cables	Halogen acid gas generation test	IS:10810(PART-59) RA:2020: 1988
423.	FR-LSH Wires and Cables	Halogen acid gas generation test	IEC:60754-1: 2011
424.	FR-LSH Wires and Cables	Smoke density test	ASTM D:2843: 2010
425.	FR-LSH Wires and Cables and Other Polymeric Materials	Smoke density test	IS:13360(Part-6/Sec- 9): 2001
426.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Annealing Test (For Copper)	CI 3.2 & 17.1 of IS 16246 :2015 (RA 2020), Table 2, IS 8130:2013 (RA 2018) IS 10810 (Part-1):1984 (RA 2021)
427.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Flame Retardance test on Single cable	CI 3.2 & CI 17.1 of IS 16246 :2015 (RA 2020), CI 18.4.1, IS 10810 (Part 61):1988 (RA 2020)
428.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	High Voltage test on Insulation	CI 3.2 & CI 17.1 of IS 16246 :2015 (RA 2024), CI.18.2, IS 10810 (Part 45):1984 (RA 2021)
429.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Insulation Resistance Test	CI 3.2 & CI 17.1 of IS 16246 :2015, IS 6380:2024 IS 10810 (Part 43):1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
430.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Oxygen Index Test on Sheath	CI 3.2 & CI 17.1 of IS 16246 :2015 (RA 2024), IS 10810 (Part 58):1998 (RA 2019)
431.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Tensile Strength for Armoring Material	CI 3.2 & CI 17.1 of IS 16246 :2015 (RA 2020), IS 3975:1999 (RA 2021 IS 10810 (Part 37):1984 (RA 2021)
432.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Test of acid gas generation on sheath	CI 3.2 & CI. 17.1 of IS 16246 :2015 (RA 2024), IS 10810 (Part 59):1988 (RA 2020)
433.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Dimension of Armoring Material	CI 3.2 & CI 17.1 of IS 16246 :2015, IS 3975:1999 IS 10810 (Part 36):1984
434.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Elongation at Break for Armoring Material.	CL 3.2 & 17.1 of IS 16246 :2015 (RA 2020), IS 3957:1999 (RA 2021) IS 10810 (Part 37):1984 (RA 2021)
435.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Elongation at break of insulation and sheath before and after ageing	CI. 3.2 & 17.1 of IS 16246 :2015 (RA 2020), IS 6380:2024 IS 5831:1984 IS 10810 (Part 7):1984 (RA 2021)
436.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Test of overall dimensions and thickness of insulation and sheath.	CI 3.2 & CI. 17.1 of IS 16246 :2015 (RA 2020), CI 11, 14, 16, IS 10810 (Part 6):1984 (RA 2021)
437.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Torsion test on galvanized steel wire for armoring	CI 3.2 & CI 17.1 IS 16246 :2015 (RA 2021), IS 3975 :1999 (RA 2021) IS 10810 (Part 38):1984 (RA 2021)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
438.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Circuit Integrity under Fire Condition	CI 3.2, CI. 18.3 and 17.1 of IS 16246:2015
439.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Conductor Resistance Test	CI 3.2 and 17.1, IS 16246:2015 (RA 2020), IS 8130:2013(2018) IS 10810 (Part-5):1984 (RA 2021)
440.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Hot set Test on Insulation and Sheath	CI 3.2 & CI 17.1 of IS 16246 :2015 (RA 2020), IS 6380:2024 IS 10180 (part 30):1984 (RA 2021)
441.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Mass of Zinc Coating	CI 3.2 & CI 17.1 of IS 16246 :2015 (RA 2020), IS 3975:1999 (RA 2021) IS 10810 (Part 41):1984 (RA 2021)
442.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Persulphate test for tinned copper	CI 3.2 & cl 17.1 of IS 16246 :2015 (RA 2020), IS 8130:2013, IS 10810 (RA 2018) (Part 4):1984
443.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Temperature Index test on Sheath	CI 3.2 & CI 17.1 of IS 16246 :2015 (RA 2024), IS 6380:2024, IS 10810 (Part 64):2003 (RA 2022)
444.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Tensile strength of insulation and sheath, before ageing and after ageing	CI 3.2 & CI. 17.1 of IS 16246 :2015 (RA 2020), IS 6380:2024, IS 5831:1984 (RA 2021), IS 10810 (Part 7):1984 (RA 2021)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
445.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Water Absorption (on Insulation)	CI 3.2 & CI. 17.1 of IS 16246 :2015 (RA 2020), IS 6380:2024, IS 10810 (Part 28):1984 (RA 2021)
446.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Ageing in air bomb	CI.3.2 and 17.1 of IS 16246 :2015 (RA 2020), Table 2, IS 10810 (Part 11):1984 (RA 2021)
447.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Winding test for formed wires	CI 3.2 & CI 17.1 of IS 16246 :2015 (RA 2020), IS 3975:1999 (RA 2021), IS 10810 (Part 39):1984 (RA 2021)
448.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Uniformity of zinc coating	CI 3.2 & CI 17.1 of IS 16246 :2015 (RA 2020), IS 3975:1999, IS 10810 (Part 40):1984 (RA 2021)
449.	Elastomer Insulated Cables with Limited Circuit Integrity when affected by Fire	Flame retardant test on bunched cable	CI 3.2 & CI 17.1 of IS 16246 :2015 (RA 2020), IS 3975:1999 (RA 2021), IS 10810 (Part 62):1993 (RA 2019)
450.	Electrical Cables for photovoltaic systems	Ageing in Air Oven	IEC 62930:2017 /BS EN 50618:2014
451.	Electrical Cables for photovoltaic systems	Assessment of Halogens for all nonmetallic materials	IEC 62930:2017/BS EN 50618:2014
452.	Electrical Cables for photovoltaic systems	Hot Set Test	IEC 62930:2017/BS EN 50618
453.	Electrical Cables for photovoltaic systems	Insulation Thickness	IEC 62930:2017/BS EN 50618:2014

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
454.	Electrical Cables for photovoltaic systems	Long term resistance of insulation to dc	IEC 62930:2017/BS EN 50618:2014
455.	Electrical Cables for photovoltaic systems	Marking	IEC 62930:2017/BS EN 50618:2014
456.	Electrical Cables for photovoltaic systems	Measurement of insulation resistance	IEC 62930:2017/BS EN 50618:2014
457.	Electrical Cables for photovoltaic systems	Measurement of the resistance of conductor	IEC 62930:2017/BS EN 50618:2014
458.	Electrical Cables for photovoltaic systems	Ovality	IEC 62930:2017/BS EN 50618:2014
459.	Electrical Cables for photovoltaic systems	Sheath resistance against acid and alkaline solution	IEC 62930:2017/BS EN 50618:2014
460.	Electrical Cables for photovoltaic systems	Sheath Thickness	IEC 62930:2017/BS EN 50618:2014
461.	Electrical Cables for photovoltaic systems	Shrinkage Test on Sheath	IEC 62930:2017/BS EN 50618:2014
462.	Electrical Cables for photovoltaic systems	Surface Resistance of Sheath	IEC 62930:2017/BS EN 50618:2014
463.	Electrical Cables for photovoltaic systems	Tensile Strength before ageing	IEC 62930:2017/BS EN 50618:2014
464.	Electrical Cables for photovoltaic systems	Vertical Flame propagation test	IEC 62930:2017/BS EN 50618:2014
465.	Electrical Cables for	Voltage test on complete cable	IEC 62930:2017/BS EN 50618:2014

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
	photovoltaic systems		
466.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Conductor	Cl.4, 4.1, 4.2 of IS 7098(Part 1):2025
467.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Class of conductor/Aluminium	Cl.9.1 of IS 7098 (Part 1): 2025
468.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Protective barrier	Cl.9.2 of IS 7098 (Part 1): 2025
469.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Insulation Material	(Cl. 5 of IS 7098 (Part 1):2025
470.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Filler and Inner Sheath	(Cl. 6 & Cl.6.1, 6.2, 6.3 of IS 7098 (Part 1):2025

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Electrical Testing			
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	Cables & Wires		
471.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Inner sheath application	(Cl. 13,13.1 & 13.2 of IS:7098 (Part 1):2025
472.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Armouring material	Cl. 7 & Cl.7.1, 7.2 of IS:7098 (Part 1):2025
473.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Outer sheath material	(Cl. 8 & Cl.8.1& Cl.8.3,8.4 of IS 7098 (Part 1):2025
474.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Application of Insulation	(Cl. 10.1 & Cl.10.4 IS 7098 (Part 1):2025
475.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Core identification	(Cl.11.1, 11.2 & 11.3,11.4 of IS 7098 (Part 1): 2025)
476.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Laying up of cores	(Cl.12,12.1&12.2 of IS 7098 (Part 1):2025

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
477.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Armouring Application	(Cl. 14, Cl.14.1.1, Cl.14.1.2, Cl.14. 1.3, Cl.14.1.4 of IS 7098 (Part 1):2025
478.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Type of Armour	(Cl.14.2 of IS 7098 (Part 1):2025
479.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Armour dimensions	Cl.14.3 of IS 7098 (Part 1):2025
480.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Joints	Cl.14.4 of IS 7098 (Part 1):2025
481.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Resistance	Cl.14.5, (Cl.14.5.1&Cl.14.5.2 of IS 7098 (Part 1):2025
482.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Outer Sheath application	Cl.15, 15.1 of IS 7098 (Part 1):2025

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
483.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Colour of outer Sheath	(Cl.15.2 of IS 7098 (Part 1):2025
484.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Armour Coverage	IS 7098(Part 1):2025
485.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Armour Resistance Test	IS 7098 (Part 1):2025
486.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Form of conductor	Cl.4.3 of IS: 8130:2013
487.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Joint of conductor	Cl.4.4 of IS: 8130:2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
488.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Neutral conductor	Cl.9.3 of IS 7098: 2025
489.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Cable identification	(Cl.18.2 & Cl. 18.2.1. of IS 7098 (Part 1):2025
490.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Manufacturer's identification	(Cl.18.1 of IS 7098 (Part 1):2025
491.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Cable Code	Cl.18.3 of IS 7098 (Part 1): 2025
492.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Annealing Test on copper conductor	Cl.16 & Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part - 1):1984, IS 8130: 2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
493.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Tensile test (for aluminium)	Cl.16 & Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part - 2):1984, Cl. 7.1.2 & IS 8130: 2013
494.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Wrapping test (for aluminium)	Cl.16 & Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part -3):1984, Cl. 7.1.2 & Cl.7.1.2.1 of IS 8130: 2013
495.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Resistance test on conductor	Cl.16 & Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part - 5):1984, IS 8130: 2013
496.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test on Armour: Dimensions	Cl.16, Cl.16.1 & Cl.14.3 of IS 7098 (Part-1): 2025, IS 10810 (Part - 36):1984, IS 3975: 1999
497.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test on Armour: Tensile strength	Cl.16, Cl.16.1 & Cl.14.6(a) of IS 7098 (Part-1): 2025, IS 10810 (Part - 37):1984, IS 3975: 1999

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
498.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test on Armour: Elongation at break	Cl.16, Cl.16.1 & Cl.14.6(b) of IS 7098 (Part-1): 2025, IS 10810 (Part - 37):1984, IS 3975: 1999
499.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test on Armour: Torsion test for round wires	Cl.16, Cl.16.1 & Cl.14.6(c) of IS 7098 (Part-1): 2025, IS 10810 (Part - 38):1984, IS 3975: 1999
500.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test on Armour: Winding test for formed wires	Cl.16, Cl.16.1 & Cl.14.6(d) of IS 7098 (Part-1): 2025, IS 10810 (Part - 39):1984, IS 3975: 1999
501.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test on Armour: Uniformity of zinc coating	Cl.16, Cl.16.1 & Cl.14.6(e) of IS 7098 (Part-1): 2025, IS 10810 (Part - 40):1984, IS 3975: 1999
502.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test on Armour: Mass of zinc coating	Cl.16, Cl.16.1 & Cl.14.6(f) of IS 7098 (Part-1): 2025, IS 10810 (Part - 41):1984, IS 3975:1999
503.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test on Armour: Resistivity	Cl.16, Cl.16.1 & Cl.14.6(g) of IS 7098 (Part-1): 2025, IS 10810 (Part - 42):1984, IS 3975:1999

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
504.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for thickness of insulation and sheath	Cl.16, Cl.16.1 & Cl.10, Cl.13, Cl.15 of IS 7098 (Part-1): 2025, IS 10810 (Part - 6):1984
505.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for Insulation: Tensile strength and elongation at break;	Cl.16, Cl.16.1 & Table 1 of IS 7098 (Part-1): 2025, IS 10810 (Part - 7):1984
506.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for Insulation: Ageing in air oven	Cl.16, Cl.16.1 & Table 1 of IS 7098 (Part-1): 2025, IS 10810 (Part - 11):1984
507.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for Insulation: Hot set test	Cl.16, Cl.16.1 & Table 1 of IS 7098 (Part-1): 2025, IS 10810 (Part - 30):1984
508.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for Insulation: Shrinkage test	Cl.16, Cl.16.1 & Table 1 of IS 7098 (Part-1): 2025, IS 10810 (Part - 12):1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
509.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for Insulation: Water absorption	Cl.16, Cl.16.1 & Table 1 of IS 7098 (Part-1): 2025, IS 10810 (Part - 33):1984
510.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for PVC Sheath: Tensile strength and elongation at break	Cl.16, Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part -7):1984, IS 5831:1984
511.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for PVC Sheath: Ageing in air oven	Cl.16, Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part -11):1984, IS 5831:1984
512.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for PVC Sheath: Loss of mass in air oven	Cl.16, Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part -10):1984, IS 5831:1984
513.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for PVC Sheath: Shrinkage test	Cl.16, Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part -12):1984, IS 5831:1984
514.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage	Test for PVC Sheath: Hot deformation test	Cl.16, Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part -15):1984, IS 5831:1984

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	Cables & Wires		
	including 1100 volts		
515.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for PVC Sheath: Heat shock test	Cl.16, Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part -14):1984, IS 5831:1984
516.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Thermal stability	Cl.16, Cl.16.1 of IS 7098 (Part-1): 2025, IS 10810 (Part -14):1984, IS 5831:1988
517.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for PE Sheath: Carbon black content	Cl.16, Cl.16.1 & Table 1A of IS 7098 (Part-1): 2025, IS 10810 (Part -32):1984
518.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for PE Sheath: Tensile strength and elongation at break before and after ageing;	Cl.16, Cl.16.1 & Table 1A of IS 7098 (Part-1): 2025, IS 10810 (Part -7):1984
519.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for PE Sheath: Hot deformation	Cl.16, Cl.16.1 & Table 1A of IS 7098 (Part-1): 2025, IS 10810 (Part -15):1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
520.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for PE Sheath: Shrinkage test	Cl.16, Cl.16.1 & Table 1A of IS 7098 (Part-1): 2025, IS 10810 (Part - 12): 1984
521.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for LSHF Sheath: Tensile strength and elongation at break before and after ageing	Cl.16, Cl.16.1 & Table 1B of IS 7098 (Part-1): 2025, IS 10810 (Part - 7): 1984
522.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for LSHF Sheath: Hot deformation	Cl.16, Cl.16.1 & Table 1B of IS 7098 (Part-1): 2025, IS 10810 (Part - 15): 1984
523.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Water absorption test (for Type ST 8)	Cl.16, Cl.16.1 & Table 1B of IS 7098 (Part-1): 2025, IS 10810 (Part - 33): 1984
524.	Cross Linked Polyethylene Insulated PVC Sheathed	Shrinkage test (for Type ST 12)	Cl.16, Cl.16.1 & Table 1B of IS 7098 (Part-1): 2025, IS 10810 (Part - 12): 1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
	Cables for Working voltage including 1100 volts		
525.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Insulation resistance (volume resistivity test)	Cl.16, Cl.16.1 & Table 1B of IS 7098 (Part-1): 2025, IS 10810 (Part - 43):1984
526.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	High voltage test	Cl.16, Cl.16.1 & Cl.17.2 of IS 7098 (Part-1): 2025, IS 10810 (Part - 45):1984
527.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Flammability test	Cl.16, Cl.16.1 & Cl.17.3 of IS 7098 (Part-1): 2025, IS 10810 (Part - 53):1984
528.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Oxygen index test	Cl.16, Cl.16.1 & Cl.17.4 of IS 7098 (Part-1): 2025, IS 10810 (Part - 58):1998
529.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Flame retardance test on single cable	Cl.16, Cl.16.1 & Cl.17.5 of IS 7098 (Part-1): 2025, IS 10810 (Part - 61):1988

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
530.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Flame retardance test on bunched cables	Cl.16, Cl.16.1 & Cl.17.6 of IS 7098 (Part-1): 2025, IS 10810 (Part - 62):1993
531.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for halogen acid evolution	Cl.16, Cl.16.1 & Cl.17.7 of IS 7098 (Part-1): 2025, IS 10810 (Part - 59):1988
532.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Smoke density test.	Cl.16, Cl.16.1 & Cl.17.8 of IS 7098 (Part-1): 2025, IS 13360 (Part 6/Sec 9)
533.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Temperature index test	Cl.16, Cl.16.1 & Cl.17.9 of IS 7098 (Part-1): 2025, IS 10810 (Part - 58):1984
534.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for pH and conductivity	Cl.16, Cl.16.1 & Cl.17.10 of IS 7098 (Part-1): 2025
535.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Test for light transmission	Cl.16, Cl.16.1 & Cl.17.11 of IS 7098 (Part-1): 2025, IS 10810 (Part - 63):1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
536.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Cold bend test for outer sheath (OD > 12.5 mm)	Cl.16.4& Table 1B of IS 7098 (Part-1): 2025, IS 10810 (Part -20):1984, IS 5831: 1984
537.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Cold impact test for outer sheath	Cl.16.4& Table 1B of IS 7098 (Part-1): 2025, IS 10810 (Part -21):1984, IS 5831: 1984
538.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Cold elongation test for LSHF sheath	Cl.16.4& Table 1B of IS 7098 (Part-1): 2025, IS 10810 (Part -7):1984, IS 5831: 1984
539.	Cross Linked Polyethylene Insulated PVC Sheathed Cables for Working voltage including 1100 volts	Resistance test for armour (other than mining cable)	Cl.16.4&Cl.14.5.1 of IS 7098 (Part-1): 2025, IS 10810 (Part -42):1984, IS 5831: 1984
540.	Aerial bunched cables for working voltages up to and including 1100 volts	Phase / Street lighting conductor Material	4.1 of IS 14255:1995

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
541.	Aerial bunched cables for working voltages up to and including 1 100 volts	Form of Conductor	4.3 of IS 8130:2013
542.	Aerial bunched cables for working voltages up to and including 1 100 volts	Joints in Conductor	Cl. 4.4 of IS 8130:2013
543.	Aerial bunched cables for working voltages up to and including 1 100 volts	No of Wire in the Conductor	Cl. 6.3.3 of IS 8130:2013
544.	Aerial bunched cables for working voltages up to and including 1 100 volts	Messenger (Neutral conductor or otherwise)	Cl. 4.2 of IS 14255:1995
545.	Aerial bunched cables for working voltages up to and including 1 100 volts	Insulation Material	Cl. 5.1 of IS 14255:1995
546.	Aerial bunched cables for working voltages up to and including 1 100 volts	Application of insulation	Cl.7.1, 7.4 & 7.5 of IS:14255-1995
547.	Aerial bunched cables for working voltages up to and including 1 100 volts	Core Identification	Cl.8.2, 8.1 of IS 14255:1995

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
548.	Aerial bunched cables for working voltages up to and including 1 100 volts	Assembly (Laying up)	Cl.9.1 & 9.2 of IS 14255:1995
549.	Aerial bunched cables for working voltages up to and including 1 100 volts	Conductor construction	Cl.6.1, 6.2, 6.3, 6.4, 6.5& 6.6 of IS 14255:1995
550.	Aerial bunched cables for working voltages up to and including 1 100 volts	Manufacture Identification	Cl. 12.1 of IS 14255:1995
551.	Aerial bunched cables for working voltages up to and including 1 100 volts	Cable Identification	Cl. 12.2 of IS 14255:1995
552.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Conductor Material	Cl.4 of IS 17505 (Part 1): 2021
553.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Conductor Constructions	Cl. 10.1 of IS 17505 (Part 1): 2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
554.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Glass mica Tape	Cl. 10.2 of IS 17505 (Part 1): 2021
555.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Reduce neutral conductor	Cl. 10.3 of IS 17505 (Part 1): 2021
556.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Form of Conductor	Cl 4.3 of IS 8130: 2013
557.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Joints in stranded Conductor	Cl. (4.4.1 of IS 8130:2013
558.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Tape	Cl.5 of IS 17505 (Part 1): 202
559.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Material of Insulation	Cl. 6 of IS 17505 (P-1): 2021)
560.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	The taped Construction	Cl. 11.1 of IS 17505 (Part1):2021
561.	Fire survival cable up to and	Application of Insulation	Cl. 11.4 of IS 17505 (Part 1): 2021)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
	including 1100-volt AC and 1500-volt DC		
562.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Core identification	Cl.12 of IS 17505 (Part 1) :2021
563.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Core identification for Neutral Conductor	Cl. 12.4 of IS 17505 (Part 1): 2021
564.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	For cables having more than 5 cores	Cl.12.3, Cl.12.4 of IS 17505(Part 1):2021
565.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Filler and inner sheath material	Cl.7 of IS:17505 (Part 1): 2021
566.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Laying up of cores	Cl.13 of IS 17505(Part 1): 2021
567.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Construction of Inner sheath	Cl.14.1 of IS 17505(Part 1):2021
568.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Fiber glass	Cl. 14.3of IS 17505 (Part 1) :2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
569.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Armouring Material	Cl. 8 of IS 17505 (Part 1): 2021
570.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Armouring Application	Cl.15.1, 15.1.1,15.1.2 & 15.1.3 of IS 17505(Part 1):202
571.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Binder tape	Cl. 15.1.4 of IS17505(Part1):2021
572.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Type of Armour	Cl. 15.2 of IS 17505(Part 1):2021
573.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Joints	Cl. 15.2 of IS 17505 (Part 1): 2021
574.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Resistance	Cl. 15.6.2 of IS 17505(Part 1): 2021
575.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Outer sheath Material	Cl.9 of IS: 17505 (Part 1): 2021
576.	Fire survival cable up to and including 1100-volt AC and	Construction of outer sheath	Cl. 16.1 of IS 17505(P-1): 2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
	1500-volt DC		
577.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Manufacturer's Identification	Cl. 19.1 of IS 17505 (Part1): 2021
578.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Cable Identification	Cl. 19.2 of IS 17505 (Part 1): 2021
579.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Sequential Length Marking	Cl. 19.3 of IS 17505 (Part 1): 2021
580.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Cable Code	Cl. 19.4 of IS 17505 (Part 1): 2021
581.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Category F (Resistance to Fire Alone)	E-7.3 of Annex E) IS 17505(Part 1): 2021
582.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Category W (Resistance to Fire and Water)	E-7.4 of Annex E) IS 17505(Part 1): 2021
583.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	Category S (Flame and Shock applications)	E-7.5 of Annex E) IS 17505(Part 1): 2021

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
584.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	FWS Category F30	E-7.6 of Annex E of IS 17505 (Part 1): 2021
585.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	FWS Category F60 (E-7.7 of Annex E of	E-7.7 of Annex E of IS 17505 (Part 1): 2021
586.	Fire survival cable up to and including 1100-volt AC and 1500-volt DC	FWS Category F120	E-7.8 of Annex E of IS 17505 (Part 1): 2021
587.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Conductor material	Cl.4 of 17293:2020 & IS:8130
588.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Class of conductor	Cl.5.1 of IS 8130: 2013
589.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Insulation material	Cl.5 of IS 17293:2020
590.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Application to the conductor	Cl.5.2 of IS: 17293: 2020
591.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Sheath material	Cl.6.1 of IS 17293:2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
592.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Sheath Application	Cl.6.2 of IS 17293:2020
593.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Colour	Cl. 6.4 of IS 17293:2020
594.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Over all dimensions	Cl.7 & 11.3.3 of IS 17293:2020
595.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Sheath marking	Cl.11.3.2 of IS 17293:2020
596.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Conductor resistance test	Cl.7.3 of IS:8130
597.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Voltage test on completed cable with AC or DC	Cl.11.2.1 of IS 17293: 2020
598.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Thermal endurance test	Sl.1.4 of IS: 17293 in Table 11
599.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Bending test at low temp	Sl.1.5 of Table 11

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
600.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Elongation at low temp.	Sl.1.6 of IS: 17293 in Table 11
601.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Cold impact test	Sl. 6 of IS :17293 in Table 3 & Annex C
602.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Dynamic penetration test	Sl.9 & Table 3 & Annex D of IS 17293:2020
603.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Damp heat test on sheath	Sl.12 & Table 3 & Annex H: 17293:2020
604.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Smoke emission of complete	cable (Sl.15 & Table 3 of IS 17293:2020
605.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Cable identification	Cl.8 of IS 17293: 2020
606.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Continuity of marking	Cl.8.1 of IS 17293: 2020
607.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Durability	Cl.8.2 of IS 17293: 2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
608.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Legibility	Cl.8.3 of IS 17293: 2020
609.	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V DC	Core identification	Cl.9 of IS 17293: 2020
610.	Elastomer Insulated Cables	Copper Conductor Material	Cl.3 of IS: 9968 (Part 1):1988
611.	Elastomer Insulated Cables	Aluminium conductor Material	Cl. 3.2 of IS 9968 (Part 1) :1988
612.	Elastomer Insulated Cables	Separator tape material	Cl.3.3 of IS 9968:1988
613.	Elastomer Insulated Cables	Insulation for General Service	Cl. 4.1 of IS 9968 (Part 1) :1988
614.	Elastomer Insulated Cables	Heat Resisting insulation	Cl. 4.2 of IS:9968 (Part1):1988
615.	Elastomer Insulated Cables	Silicone Rubber Insulation	Cl. 4.3 of IS: 9968 (Part1):1988
616.	Elastomer Insulated Cables	Proofed Tape	Cl. 5.1 of IS: 9968(Part 1):1988

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
617.	Elastomer Insulated Cables	Polyethylene_ Terephthalate (PETP) Tape or Plastic: Tape or Any Other Suitable Tape	Cl. 5.1 of IS 9968:1988
618.	Elastomer Insulated Cables	Glass Tape Material	Cl.5.1 of IS: 9968 (Part 1):1988
619.	Elastomer Insulated Cables	Fillers Material	Cl. 6.1 of IS: 9968(Part 1) :1988
620.	Elastomer Insulated Cables	Textile Braid Material	Cl. 7.1 of I: 99688 (Part 1):1988
621.	Elastomer Insulated Cables	Glass Braid Material	Cl. 7.1 of IS 9968(Part 1):1988
622.	Elastomer Insulated Cables	General Service Insulated Cables and Flexible Cords	Cl. 8.1 of IS 9968(Part 1):1988
623.	Elastomer Insulated Cables	Flexible Cables	Cl. 8.1.2 of IS: 9968(Part 1):1988
624.	Elastomer Insulated Cables	Heat Resisting Insulated Cables	Cl. 8.2 & 8.2.1 of IS: 9968 (Part 1) :1988
625.	Elastomer Insulated Cables	Flexible Cables	Cl. 8.2.2of IS: 9968 (Part 1):1988
626.	Elastomer Insulated Cables	Preventive Compound	Cl. 9.1.2of IS 9968 (Part 1):1988
627.	Elastomer Insulated Cables	Varnish	Cl. 9.2of IS 9968 (Part 1):1988

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
628.	Elastomer Insulated Cables	For Cables for fixed wiring	Cl.10.1 of IS 9968 (Part 1):1988
629.	Elastomer Insulated Cables	For flexible cable	Cl.10.2 of IS 9968(Part 1)1988
630.	Elastomer Insulated Cables	Separator tape	Cl.11&11.1 of IS: 9968(Part 1) :1988
631.	Elastomer Insulated Cables	Insulation	Cl.12.1 of IS 9968 (Part 1) 1988
632.	Elastomer Insulated Cables	Application of Insulation	Cl.12.4 of IS 9968:1988
633.	Elastomer Insulated Cables	Core Identification	Cl.13.1 & 13.2 of IS: 9968 (Part 1):1988
634.	Elastomer Insulated Cables	TAPE	Cl.14 of IS: 9968 (Part 1): 1988
635.	Elastomer Insulated Cables	Braiding	Cl.15.1 of IS 9968 (Part 1):1988)
636.	Elastomer Insulated Cables	Compounding and varnishing	Cl.16 of IS: 9968 (Part 1):1988
637.	Elastomer Insulated Cables	Binder tape	Cl.18 of IS: 9968 (Part 1):1988
638.	Elastomer Insulated Cables	Sheath application	Cl.19.1 of IS: 9968 (Part 1):1988
639.	Elastomer Insulated Cables	Colour of sheath	Cl.19.1 of IS: 9968 (Part 1):1988
640.	Elastomer Insulated Cables	Manufacturer's identification	Cl. 23.1 of IS 9968 (Part 1):1988

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
641.	Elastomer Insulated Cables	Cable identification	Cl. 23.2 of IS 9968 (Part 1):1988
642.	Elastomer Insulated Cables	Cable code	Cl.23.3 of IS 9968 (Part 1):1988
643.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Scope	Cl. 1.1 of IS 694: 2010
644.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Material	Cl. 4.1 of IS 694:2010 & Cl.4.2 of IS 8130:2013
645.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Class of conductor/Aluminium	Cl. 4.1 of IS 694:2010
646.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Classification of conductor	Cl. 5 & 5.1 of IS 8130:2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
647.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Construction	Cl.6 of IS 8130:2013
648.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Separator tape	Cl. 4.1 of IS 694:2010
649.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Application to the Conductor	Cl.5.2 of IS 8130:2013
650.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Form of Conductor	Cl.4.3 of IS 8130:2013
651.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and	Joint Conductor	Cl.4.4 of IS: 8130:2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
	including 1100 v		
652.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Material for Insulation	Cl. 5.1 of IS 694:2010
653.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Application to the Insulation	Cl. 5.2 of IS 694:2010
654.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Material of Filler	Cl. 6.1 of IS 694:2010
655.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Application to the Filler	Cl. 6.2 of IS 694:2010
656.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor	Binder tape	Cl.7 of IS 694:2010

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
	for rated voltages up to and including 1100 v		
657.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Material of Sheath	Cl.8, 8.1 of IS 694:2010
658.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Application to the Sheath	Cl.8, 8.1 of IS 694:2010
659.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Durability	Cl.11.1 of IS 694:2010
660.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Legibility	Cl.11.2 of IS 694:2010
661.	PVC Insulated and PVC sheathed cables/cords with	Core identification	Cl.12 of IS 694:2010

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
	rigid and flexible conductor for rated voltages up to and including 1100 v		
662.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Identification	Cl.11 of IS 694:2010
663.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Cable code	Cl.13 of IS 694:2010
664.	PVC Insulated and PVC sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 v	Assembly of Cores	Cl. 20.1.3, 21.1.3, 22.1.3 IS 694:2010
665.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Conductor Material	Cl.3, 3.1 & Cl.3.1.1 of IS 1554 (Part 1):1988

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	Cables & Wires		
666.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Class of conductor/Aluminum	(Cl.8,8.1& Cl.8.2 of IS 1554(Part 1):1988)
667.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Insulation Material	(Cl. 4.1.1 & 4.1.2 of IS 1554 (Part 1):1988)
668.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Application of Insulation -	(Cl.9.1 & Cl.9.4 of IS 1554 (Part 1):1988)
669.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Core Identification	(Cl.10,10.1& Cl.10.2 of IS 1554 (Part1):1988)
670.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Laying up of Cores	(Cl. 11, 11.1 & Cl.11.2 of IS1554(Part1):1988)
671.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Inner Sheath	(Cl.12.1 & Cl.12.2 of IS 1554 (Part1):1988)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
672.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Application of Armouring	(Cl. 13.1, Cl. 13.1.1, Cl.13.1.2 & Cl.13.1.3, Cl.13.1.4 of IS 1554(Part1):1988)
673.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Type of Armour	(Cl.13.2 of IS 1554 (Part1):1988)
674.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Armour Dimensions	Cl.13.3 of IS1554 (Part1):1988
675.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Joints	Cl.13.4 of IS 1554 (Part1):1988
676.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Resistance	(Cl.13.5, 13.5.1 & Cl.13.5.2 of IS 1554 (Part1):1988
677.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Armouring material	(Cl. 6 & 6.1 of IS 1554(Part1):1988)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
678.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Armour Coverage	Appendix C, Cl.13.1.2 of IS:1554 (Part1):1988
679.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Filler and Inner Sheath Material	(Cl. 5, 5.1& Cl.5.2 of IS 1554 (Part 1):1988)
680.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Application of Inner Sheath	Cl.12.1 & Cl.12.2 of IS 1554 (Part1):1988)
681.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Outer Sheath Material	Cl.7.1.1, Cl.7.1.2 & Cl.7.1.3 of IS 1554 (Part 1):1988
682.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Outer Sheath Application	(Cl.14, 14.1 & Cl.14.2 of IS 1554 (Part1):1988
683.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Colour of Outer Sheath	Cl.7.1.1, Cl.7.1.2 & Cl.7.1.3 of IS 1554(Part 1):1988

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
684.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Classification of tests	(Cl.15 of IS 1554:1988)
685.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Identification	Cl.17 of IS:1554(Part1):1988
686.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Manufacturer's Identification	Cl.17, 17.1, Cl.17.2 & Cl.17.2.1Cl.17.2.2 of IS 1554 (Part 1):1988)
687.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Cable Code	Cl.17.3 of IS 1554 (Part 1):1988
688.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Form of conductor	Cl.4.3 of IS: 8130:2013
689.	PVC Insulated (Heavy Duty) Electric cables Part-1 for working voltage up to and including 1100 volts	Joint of conductor	Cl.4.4 of IS 8130:2013

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Transmission Line Equipment & Accessories		
1.	Aluminum Conductor for Overhead Transmission Purpose	Resistance Test	IS 398 (P-4): 1994, (RA 2021)
2.	Aluminum conductor Galvanized Steel Reinforced	Breaking Load	IS 398 (P-2): 2025
3.	Aluminum conductor Galvanized Steel Reinforced	Elongation Test	IS 398 (Part 2): 2025
4.	Aluminum conductor Galvanized Steel Reinforced	Galvanizing Test on Steel Wire	IS 398 (P-2): 2025
5.	Aluminum conductor Galvanized Steel Reinforced	Lay Ratio Test	IS 398 (Part 2): 2025
6.	Aluminum conductor Galvanized Steel Reinforced	Torsion Test	IS 398 (P-2): 2025
7.	Aluminum conductor Galvanized Steel Reinforced	Wrapping Test	IS 398 (P-2): 2025
8.	Aluminum conductor Galvanized Steel Reinforced	Diameter of Aluminum and Steel Wire	IS 398 (P-2): 2025
9.	Aluminum conductor Galvanized Steel Reinforced	Resistance Test of Aluminum Wire	IS 398 (P-2): 2025

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Transmission Line Equipment & Accessories		
10.	Aluminum Conductor for Overhead Transmission Purpose	Breaking Load Test	IS 398 (P-4): 1994, (RA 2021)
11.	Aluminium Conductor for Overhead Transmission Purpose	Elongation Test	IS 398 (P-4): 1994, (RA 2021)
12.	Aluminium Conductor for Overhead Transmission Purpose	Freedom From Defects	IS 398 (P-2): 1996, (RA 2018)
13.	Aluminium Conductor for Overhead Transmission Purpose	Lay Ratio Test	IS 398 (Part 4): 1994, (RA 2021)
14.	Aluminium Conductor for Overhead Transmission Purpose	Diameter of Aluminium Wire and Stranded Conductor	IS 398 (P-4): 1994, (RA 2021)
15.	Aluminium conductor Galvanized Steel Reinforced	Freedom From Defects	IS 398 (P-4): 1994, (RA 2021)
16.	Covered conductors for overhead lines Cable	Compatibility Test	EN 50397-1: 2006
17.	Covered conductors for overhead lines Cable	Conductor Resistance Test / Resistance of Conductors	EN 50397-1: 2006

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Transmission Line Equipment & Accessories		
18.	Covered conductors for overhead lines Cable	Durability & Legibility	EN 50397-1: 2006
19.	Covered conductors for overhead lines Cable	High Voltage Test	EN 50397-1: 2006
20.	Covered conductors for overhead lines Cable	Hot Set Test	EN 50397-1: 2006
21.	Covered conductors for overhead lines Cable	Tensile Strength	EN 50397-1: 2006
22.	Covered conductors for overhead lines Cable	Shrinkage Test	EN 50397-1: 2006
23.	Covered conductors for overhead lines Cable	Tensile Strength after ageing	EN 50397-1: 2006
24.	Covered conductors for overhead lines Cable	Elongation before ageing	EN 50397-1: 2006
25.	Covered conductors for overhead lines Cable	Water Absorption (Gravimetric)	EN 50397-1: 2006
26.	Aluminium conductor for overhead transmission Purposes	Freedom from defects test	Cl. 6 of IS 398 1996 (Part – 1) (RA 2018)
27.	Aluminium conductor for overhead transmission Purposes	Breaking Load Test	IS 398(P-1) 1996 Cl. 12.3 (RA 2018)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Transmission Line Equipment & Accessories		
28.	Aluminium conductor for overhead transmission Purposes	Measurement of Diameter of Individual Aluminum Wires	IS 398(P-1) 1996 Cl. 12.2 (RA 2018)
29.	Aluminium conductor for overhead transmission Purposes	Resistance Test	IS 398(P-1) 1996 Cl. 12.5 (RA 2018)
30.	Aluminium conductor for overhead transmission Purposes	Lay Ratio	IS 398(P-3) 1976 Cl. 2.4 (RA 2019)
31.	Aluminium conductor for overhead transmission Purposes	Breaking Load Test	IS 398(P-3) 1976 Cl. 12.2 (RA 2019)
32.	Aluminium conductor for overhead transmission Purposes	Ductility Test	IS 398(P-3) 1976(RA 2019) Cl. 12.3
33.	Aluminium conductor for overhead transmission Purposes	Torsion Test	IS 398(P-3) 1976 (RA 2019) Cl. 12.3.1

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Transmission Line Equipment & Accessories		
34.	Aluminium conductor for overhead transmission Purposes	Elongation Test	IS 398(P-3) 1976 (RA 2019) Cl. 12.3.2
35.	Aluminium conductor for overhead transmission Purposes	Wrapping Test	IS 398(P-3) 1976(RA 2019) Cl. 12.4
36.	Aluminium conductor for overhead transmission Purposes	Visual Examination	IS 398 (P-3) 1976(RA 2019)
37.	Aluminium conductor for overhead transmission Purposes	Aluminizing test	IS 398 (P-3) 1976 (RA 2019)
38.	Aluminium conductor for overhead transmission Purposes	Visual Examination	IS 398 (Part-5) 1992 (RA 2018) Cl.13.2
39.	Aluminium conductor for overhead transmission Purposes	Measurement of diameters of individual Aluminum and steel wires	IS 398 (Part-5) 1992 (RA 2018) Cl.13.3
40.	Aluminium conductor for overhead transmission Purposes	Measurement of lay ratio of each layer	IS 398 (Part-5) 1992 (RA 2018) Cl.13.4

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Transmission Line Equipment & Accessories		
41.	Aluminium conductor for overhead transmission Purposes	Breaking load test	IS 398 (Part-5) 1992 (RA 2018) Cl.13.5
42.	Aluminium conductor for overhead transmission Purposes	Ductility test	IS 398 (Part-5) 1992 (RA 2018) Cl.13.6
43.	Aluminium conductor for overhead transmission Purposes	Wrapping test	IS 398 (Part-5) 1992 (RA 2018) Cl.13.7
44.	Aluminium conductor for overhead transmission Purposes	Resistance test	IS 398 (Part-5) 1992 (RA 2018) Cl.13.8
45.	Aluminium conductor for overhead transmission Purposes	Galvanizing test	IS 398 (Part-5) 1992 (RA 2018) Cl.13.9
46.	Aluminium conductor for overhead transmission Purposes	Breaking Load test	IS 398 (Part 6) 2021 Cl.16.5
47.	Aluminium conductor for overhead transmission Purposes	Elongation Test	IS 398 (Part 6) 2021 Cl.16.6

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Transmission Line Equipment & Accessories		
48.	Aluminium conductor for overhead transmission Purposes	Visual Examination	IS 398 (Part 6) 2021 Cl.16.2
49.	Aluminium conductor for overhead transmission Purposes	Measurement of Lay Ratio/Direction of Lay	IS 398 (Part 6) 2021 Cl.16.3
50.	Aluminium conductor for overhead transmission Purposes	Measurement of Diameter of Individual Aluminum Alloy wire	IS 398 (Part 6) 2021 Cl.16.4
51.	Aluminium conductor for overhead transmission Purposes	Wrapping Test	IS 398 (Part 6) 2021 Cl.16.8
52.	Aluminium conductor for overhead transmission Purposes	Wrapping Test	IS 398 (Part 6) 2021 Cl.16.8
53.	Aluminium conductor for overhead transmission Purposes	Resistivity Test	IS 398 (Part 6) 2021 Cl.16.7
54.	Copper Wire Rods for Electrical Applications	Dimension & tolerances	Cl.6.of IS 12444:2020
55.	Copper Wire Rods for Electrical Applications	Ovality of the Wire Rod	Cl.6.2.2. of IS 12444

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Transmission Line Equipment & Accessories		
56.	Copper Wire Rods for Electrical Applications	Freedom from surface defects	Cl.7 of IS 12444: 2020
57.	Copper Wire Rods for Electrical Applications	Surface Oxide	Cl.7.2 of IS 12444: 2020
58.	Copper Wire Rods for Electrical Applications	Mechanical properties	Cl.8 of IS 12444: 2020
59.	Copper Wire Rods for Electrical Applications	Tensile Test	Cl.8.1& Table 3 of IS 12444: 2020
60.	Copper Wire Rods for Electrical Applications	Elongation test	Cl.8.1 & Table 3 of IS 12444: 2020
61.	Copper Wire Rods for Electrical Applications	Electrical properties	Cl.9 of IS 12444: 2020
62.	Copper Wire Rods for Electrical Applications	Resistivity Test	Cl.9.2 & Table 1 of IS 12444: 2020
63.	Copper Wire Rods for Electrical Applications	Electrical Conductivity	Cl.9.2.1.3 of IS 12444: 2020
64.	Copper Wire Rods for Electrical Applications	Mass resistivity	Cl.9.2.1.2 of IS 12444: 2020
65.	Aluminum conductor Galvanized Steel Reinforced	Uniformity of Zinc Coating	Cl.13.10.2 of 398 (2) :2025, IS 4826:1979

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
1.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Adhesion to backing	IS 7809 (P-3/S-1): 1986 (RA 2016, IS 7809 (P-2): 1977, RA 2021
2.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Adhesion to Steel	IS 7809 (P-3/S-1): 1986 (RA 2016, IS 7809 (P-2): 1977, RA 2021
3.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Electric Strength at Room Temperature/ After Humid Conditioning	IS 7809 (P-3/S-1): 1986 (RA 2016), IS 7809 (P- 2): 1977, RA 2021
4.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Electrolytic Corrosion Test	IS 7809 (P-3/S-1): 1986 (RA 2016), IS 7809 (P- 2): 1977, RA 2021
5.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Flammability Test	IS 7809 (P-3/S-1): 1986 (RA 2016), IS 7809 (P- 2): 1977, RA 2021
6.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Appearance	IS 7809 (P-1): 1975, RA 2022
7.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Freedom From Defects	Cl.5 of IS 7809 (P-1): 1975, RA 2023
8.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Length	IS 7809 (P-3/S-1): 1986 (RA 2016), IS 7809 (P-1): 1975, RA 2023

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
9.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Tensile Strength	IS 7809 -3-1: 1986 (RA 2016, IS 7809(P2): 1977, RA 2021
10.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Thickness	IS 7809 -3-1: 1986 (RA 2016, IS 7809(P2): 1977, RA 2021
11.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Width	IS 7809 (P-3/S-1): 1986 (RA 2016), IS 7809 (P-1): 1975, RA 2023
12.	Enclosures for accessories for household and similar fixed installation	Marking	IS 14772: 2020
13.	Enclosures for accessories for household and similar fixed installation	Compression Test	IS 14772: 2020
14.	Enclosures for accessories for household and similar fixed installation	Constructions	IS: 14772:2020
15.	Enclosures for accessories for household and similar fixed installation	Cree page Distances, Clearance and Distance through Sealing Compound	IS 14772: 2020
16.	Enclosures for accessories for household and similar fixed installation	Dimension	IS: 14772:2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
17.	Enclosures for accessories for household and similar fixed installation	Impact Test at Low Temperature	IS 14772: 2020
18.	Enclosures for accessories for household and similar fixed installation	Insulation Resistance and Electric Strength	IS 14772: 2020
19.	Enclosures for accessories for household and similar fixed installation	Mechanical Strength	IS 14772: 2020
20.	Enclosures for accessories for household and similar fixed installation	Protection against electric shock	IS 14772: 2020
21.	Enclosures for accessories for household and similar fixed installation	Provision for Earthing	IS: 14772:2020
22.	Enclosures for accessories for household and similar fixed installation	Resistance of Insulating material to Abnormal Heat and Fire	IS 14772: 2020
23.	Enclosures for accessories for household and similar fixed installation	Resistance to Corrosion	IS 14772: 2020
24.	Enclosures for accessories for household and similar fixed installation	Resistance to Heat	IS 14772: 2020

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
25.	Enclosures for accessories for household and similar fixed installation	Resistance to Tracking	IS 14772: 2020
26.	M.S. Conduit Pipe	Bending Test	IS 9537 (P-2), Cl.9: 1981, RA-2017
27.	M.S. Conduit Pipe	Compression test	IS 9537 (P-1), Cl.9.3: 1980, RA-2020
28.	M.S. Conduit Pipe	Dimension Test	IS 9537 (P-2), Cl.6: 1981, RA-2017
29.	Rigid Plain Conduits of Insulating Material	Bending Test	IS 9537 (P-3), Cl.9.2: 1983, RA 2017
30.	Rigid Plain Conduits of Insulating Material	Collapse Test	IS 9537 (P-1 and 3), Cl.9.5: 1983, RA 2017
31.	Rigid Plain Conduits of Insulating Material	Compression Test	IS 9537 (P-1 and 3), Cl.9.3: 1983, RA 2017
32.	Rigid Plain Conduits of Insulating Material	Electrical Characteristics- Electrical Strength	IS 9537 (P-1 and 3), Cl.12.1.1: 1983, RA 2017
33.	Rigid Plain Conduits of Insulating Material	Electrical Characteristics- Insulation Resistance	IS 9537 (P-1 and 3), Cl.12.1.2: 1983, RA 2017
34.	Rigid Plain Conduits of Insulating Material	Impact Test	IS 9537 (P-1 and 3), Cl.9.4: 1983, RA 2017
35.	Rigid Plain Conduits of Insulating Material	Marking	IS 9537 (P-1 and 3), Cl.6: 1983, RA 2017
36.	Rigid Plain Conduits of Insulating Material	Resistance to Burning	IS 9537 (P-1 and 3), Cl.11: 1983, RA 2017

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
37.	Rigid Plain Conduits of Insulating Material	Resistance to Heat	IS 9537 (P-3), Cl.10: 1983, RA 2017
38.	Rigid Plain Conduits of Insulating Material	Construction	IS 9537 (P-1 and 3) Cl.8: 1983, RA 2017
39.	Rigid Plain Conduits of Insulating Material	Dimension Test	IS 9537 (P-3), Cl.7: 1983, RA 2017
40.	Rigid Plain Conduits of Insulating Material	Construction of Fixed Socket Outlets	Cl.13 of IS 1293: 2019
41.	Rigid Plain Conduits of Insulating Material	Terminal	Cl.12 of IS 1293: 2019
42.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Construction of Plugs and Portable Socket Outlets	Cl.14 of IS 1293: 2019
43.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Creepage Distances and Clearances Distances	Cl.27 of IS 1293: 2019
44.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current	Flexible Cable and their Connection	Cl.23 of IS 1293: 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
	up to And Including 16 Amperes		
45.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Force Necessary to Withdraw the Plug	Cl.22 of IS 1293: 2019
46.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Insulation Resistance and Electric Strength Test	Cl.17 of IS 1293: 2019
47.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Interlocked Socket Outlets	IS 1293 Cl.15: 2019
48.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Mechanical Strength	IS 1293 Cl.24: 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
49.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Operation of Earthing Contacts	IS 1293 Cl.18: 2019
50.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Resistance of Insulation Material Abnormal Heat, to Fire and Tracking test	IS 1293 Cl.28: 2019
51.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Resistance To Ageing Test	IS 1293 Cl.16.1: 2019
52.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Resistance to Heat	IS 1293 Cl.25: 2019
53.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current	Resistance to Humidity Test	IS 1293 Cl.16.3: 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
	up to And Including 16 Amperes		
54.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Ampere	Temperature Rise	IS 1293 Cl.19: 2019
55.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Impact Test at Low Temperature for insulating sleeves	IS:1293, Cl: 30.4: 2019
56.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Pressure Test at High Temperature for insulating sleeves	IS:1293, Cl:30.1:2019
57.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Static damp heat test for insulating sleeves	IS:1293, Cl:30.2 :2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
58.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Tests at Low Temperature for insulating sleeves	IS:1293, Cl: 30.3: 2019
59.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Classification	IS 1293 Cl.7: 2019
60.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Constructions of Fixed socket outlets	IS:1293, Cl .13.1 to 13.23, Table 4, 14,15: 2019
61.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Dimensions	IS 1293 Cl.9: 2019
62.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current	Making and Breaking Capacity	IS 1293 Cl.20: 2019

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
	up to And Including 16 Amperes		
63.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Ampere	Protection Against Electric Shock	IS 1293 Cl.10: 2019
64.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Provision For Earthing	IS 1293 Cl.11: 2019
65.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Resistance to Rusting	Cl.29 of IS 1293: 2019
66.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Screw current carrying parts and connection	Cl .26.1 to 26.7 IS:1293: 2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
67.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Terminals	IS:1293, Cl .12.1 to 12.3.12, Table 6 to 12:2019
68.	Switches for domestic & Similar purpose	Provision for earthing	Cl. 11 of IS 3854, 2023
69.	Switches for domestic & Similar purpose	Constructional Requirements	Cl.13 of IS 3854, 2023
70.	Switches for domestic & Similar purpose	Creepage Distance and Clearances Distance	Cl.23 of IS 3854, 2023
71.	Switches for domestic & Similar purpose	Insulation Resistance and Electric Strength Test	Cl.16: of IS 3854, 2023
72.	Switches for domestic & Similar purpose	Resistance to Abnormal Heat, Fire Test & Tracking	Cl.24.1, 24.2 of IS 3854,2023
73.	Switches for domestic & Similar purpose	Resistance to Ageing Test	Cl.15.1: of IS 3854, 2023
74.	Switches for domestic & Similar purpose	Resistance to Heat	Cl.21: of IS 3854, 2023
75.	Switches for domestic & Similar purpose	Resistance to Humidity	Cl.15.3: of IS 3854, 2023
76.	Switches for domestic & Similar purpose	Resistance to Rusting	Cl.25: of IS 3854, 2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
77.	Switches for domestic & Similar purpose	Screws, Current Carrying Parts and Connections	Cl.22: of IS 3854, 2023
78.	Switches for domestic & Similar purpose	Temperature Rise	Cl.17: of IS 3854, 2023
79.	Switches for domestic & Similar purpose	Checking of Dimensions	Cl.9: of IS 3854, 2023
80.	Switches for domestic & Similar purpose	Classification	Cl.7: of IS 3854, 2023
81.	Switches for domestic & Similar purpose	Marking	Cl.8: of IS 3854, 2023
82.	Switches for domestic & Similar purpose	Making and breaking Capacity	Cl.18: of IS 3854, 2023
83.	Switches for domestic & Similar purpose	Mechanical Strength	Cl.20 of IS 3854, 2023
84.	Switches for domestic & Similar purpose	Mechanism	Cl.14 of IS 3854, 2023
85.	Switches for domestic & Similar purpose	Normal Operation	Cl.19 of IS 3854, 2023
86.	Switches for domestic & Similar purpose	Protection Against Electric Shock	Cl.10 of IS 3854, 2023
87.	Switches for domestic & Similar purpose	Ratings	Cl.6 of IS 3854, 2023
88.	Switches for domestic & Similar purpose	Resistance to rusting	Cl.25 of IS 3854, 2023

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
89.	Switches for domestic & Similar purpose	Resistance to Tracking	Cl.24.2 of IS 3854, 2023
90.	Switches for domestic & Similar purpose	Terminals	Cl.12 of IS 3854, 2023
91.	Fittings for Rigid Non-metallic Conduits	Dimensions	IS: 9537 (P-3):1983 RA 2017
92.	Fittings for Rigid Non-metallic Conduits	Visual Examination	IS: 3419:1988 (RA 2017)
93.	Fittings for Rigid Non-metallic Conduits	Checking of Dimensions	IS: 3419:1988 (RA 2017)
94.	Fittings for Rigid Non-metallic Conduits	Resistance to Heat	IS: 3419:1988 (RA 2017)
95.	Fittings for Rigid Non-metallic Conduits	Resistance to Burning	IS: 3419:1988 (RA 2017)
96.	Fittings for Rigid Non-metallic Conduits	Moisture Absorption test	IS: 3419:1988 (RA 2017)
97.	Fittings for Rigid Non-metallic Conduits	Resistance to chemical action	IS: 3419:1988 (RA 2017)
98.	Fittings for Rigid Non-metallic Conduits	Copper test	IS: 3419:1988 (RA 2017)
99.	Fittings for Rigid Non-metallic Conduits	Resistance to Oil	IS: 3419:1988 (RA 2017)
100.	Fittings for Rigid Non-metallic Conduits	Resistance to Impact	IS: 3419:1988 (RA 2017)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
101.	Fittings for Rigid Non-metallic Conduits	Electrical characteristic (Electric strength)	IS: 3419:1988 (RA 2017)
102.	Fittings for Rigid Non-metallic Conduits	Insulation resistance	IS: 3419:1988 (RA 2017)
103.	Cable trunking and ducting system	General requirements	IS14927(Part-1) 2023
104.	Cable trunking and ducting system	Classifications	IS14927(Part-1) 2023
105.	Cable trunking and ducting system	Marking	IS14927(Part-1) 2023
106.	Cable trunking and ducting system	Dimensions	IS14927(Part-1) 2023
107.	Cable trunking and ducting system	Constructions	IS14927(Part-1) 2023
108.	Cable trunking and ducting system	Impact test	IS14927(Part-1) 2023
109.	Cable trunking and ducting system	Linear deflection test	IS14927(Part-1) 2023
110.	Cable trunking and ducting system	External load test (Cover retention test)	IS14927(Part-1) 2023
111.	Cable trunking and ducting system	Resistance to flame propagation	IS 14927 (Part-1) 2023

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
112.	Cable trunking and ducting system	Flame test	IS14927(Part-1) 2023
113.	Cable trunking and ducting system	Glow wire test	IS14927(Part-1) 2023
114.	Cable trunking and ducting system	Electrical characteristics	IS14927(Part-1) 2023
115.	Cable trunking and ducting system	Resistance of the sample per unit length	IS14927(Part-1) 2023
116.	Cable trunking and ducting system	Earthing resistance	IS14927(Part-1) 2023
117.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Designation	Cl.2. of IS 7809(Part 3/Sec.1):1986
118.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Stability to accelerated ageing	Cl.4.8 of IS 7809 (Part 3/Sec.1):1986
119.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Insulation resistance	Cl. 4.9 of IS 7809(P-3/Sec-1):1986
120.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Core Diameter	Cl.6.1 of IS 7809 (Part 1) :1975

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
121.	Pressure Sensitive Adhesive Insulating Tape for Electric Purpose	Minimum Storage Life	Cl.7 of IS 7809 (Part 1) :1975
122.	Plug & Socket Outlet of Rated Voltage Up to And Including 250 Volts and Rated Current up to And Including 16 Amperes	Ratings	CL. 6 OF IS 1293:2019
123.	Cable trunking and ducting system	Compression test for CDS	Cl.10.101 of IS 14927 (Par 2) :2023
124.	Cable trunking and ducting system	Cable support test	Cl.10.2 of IS 14927 (Part 1): 2023
125.	Cable trunking and ducting system	Mechanical strength	Cl.10.1 of IS 14927 (Part 1): 2023
126.	Cable trunking and ducting system	External influences	Cl.14 of IS 14927(Part 2): 2023
127.	Cable trunking and ducting system	Electromagnetic compatibility	Cl.15 of IS 14927(Part 2): 2023

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
1.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	General Requirement	Cl.4 of IS 302-2-201: 2008 (RA 2018)
2.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	General Notes on Tests	Cl.5 of IS 302-2-201: 2008 (RA 2018)
3.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Classification	Cl.6 of IS 302-2-201: 2008 (RA 2018)
4.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Marking	Cl.7 of IS 302-2-201 2008: (RA 2018)
5.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Protection against access to Live Parts	Cl.8 of IS 302-2-201: 2008 (RA 2018)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
6.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Power Input and Current	Cl.10 of IS 302-2-201: 2008 (RA 2018)
7.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Heating	Cl. 11 of IS 302-2-201: 2008 (RA 2018)
8.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Leakage Current and Electric Strength at Operating Temperature	Cl.13 of IS 302-2-201: 2008 (RA 2018)
9.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Moisture Resistance	Cl.15 of IS 302-2-201: 2008 (RA 2018)
10.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Leakage Current and Electric Strength	Cl.16 of IS 302-2-201: 2008 (RA 2018)
11.	Electric Immersion Water Heater Safety of Household	Endurance	Cl.18 of IS 368: 2014 (RA 2019)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
	and Similar Electrical Appliances		
12.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Abnormal Operation	Cl.19 1 to 19.10 of IS 302-2-201: 2008 (RA 2018)
13.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Stability and Mechanical Hazard	Cl.20 of IS 302-2-201: 2008 (RA 2018)
14.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Mechanical Strength	Cl.21 of IS 302-2-201: 2008 (RA 2018)
15.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Construction	Cl.22 IS 302-2-201: 2008 (RA 2018)
16.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Internal Wiring	Cl.23 of IS 302-2-201: 2008 (RA 2018)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
17.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Component	Cl.24 of IS 302-2-201: 2008 (RA 2018)
18.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Supply Connection and External Flexible Cords	Cl.25 of IS 302-2-201: 2008 (RA 2018)
19.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Terminal for External Conductors	Cl 26 of IS 302-2-201, 302-1: 2008 (RA 2018)
20.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Provision for Earthing	Cl.27 of IS 302-2-201, 302-1: 2008 (RA 2018)
21.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Screw and Connections	Cl.28 of IS 302-2-201, 302-1: 2008 (RA 2018)
22.	Electric Immersion Water Heater Safety of Household	Clearances Cree page, Distances and Solid Insulation	Cl.29 of IS 302-2-201: 2008 (RA 2018)

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
	and Similar Electrical Appliances		
23.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Resistance to Heat and Fire	Cl.30 of IS 302-2-201, 302-1: 2008 (RA 2018)
24.	Electric Immersion Water Heater Safety of Household and Similar Electrical Appliances	Resistance to Rusting	Cl.31 of IS 302-2-201, 302-1: 2008 (RA 2018)
25.	Electric Instantaneous Water Heaters	Rating	Cl.6 of IS:8978:(RA 2014) (RA 2014)
26.	Electric Instantaneous Water Heaters	Classification	Cl.7, 7.1 of IS:8978:1992 (RA 2014)
27.	Electric Instantaneous Water Heaters	Marking	Cl.8, 8.1, 8.1.1 of IS:8978: 1992 (RA 2014)
28.	Electric Instantaneous Water Heaters	Finish	Cl.10, 10.1 of IS:8978: 1992 (RA 2014)
29.	Electric Instantaneous Water Heaters	Endurance test	Cl.12, 12.1 of IS:8978: 1992 (RA 2014)
30.	Stationary storage type electric water heater	General Requirement	Cl.4 of IS 2082: 2018

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
31.	Stationary storage type electric water heater	General conditions for tests	Cl.5 of IS 2082: 2018
32.	Stationary storage type electric water heater	General conditions for tests	Cl.5 of IS 302-2 21:2024
33.	Stationary storage type electric water heater	Classification	Cl.6 of IS 302-2 21:2024
34.	Stationary storage type electric water heater	Marking and Instruction	Cl.7 of IS 302-2 21:2024
35.	Stationary storage type electric water heater	Marking and Instruction	Cl.7 of IS 2082: 2018
36.	Stationary Storage Type Electric Water Heater	Protection against access to life parts	Cl.8 of IS 302-2 21 & IS 302-1: 2024
37.	Stationary Storage Type Electric Water heater	Safety Requirement	Cl.8, 8.1 of IS 2082:2018
38.	Stationary storage type electric water heater	General conditions For measurement	Cl.9, 9.1, 9.2 of IS 2082: 2018
39.	Stationary storage type electric water heater	Mounting of the water heater	Cl.10, 10.1 of IS 2082: 2018
40.	Stationary storage type electric water heater	Power Input & Current	Cl.10 of IS 302-2 21 & IS 302-1 2024
41.	Stationary storage type electric water heater	Measurements of stored water temperature	Cl.11, 11.1, 11.2 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		
42.	Stationary storage type electric water heater	Heating	Cl.11.1-11.8 of IS 302-2 21: 2024
43.	Stationary Storage Type Electric Water Heater	Thermostat setting	Cl.12, 12.1 of IS 2082: 2018
44.	Stationary storage type electric water heater	Measurement of energy consumption	Cl.13, 13.1 of IS 2082: 2018
45.	Stationary storage type electric water heater	Leakage Current and Electric strength at operating Temp.	Cl.13, 13.1-13.3 of IS 302-2 21: 2018
46.	Stationary Storage Type Electric Water Heater	Verification of the rated capacity	Cl.14, 14.1 of IS 2082: 2018
47.	Stationary Storage Type Electric Water Heater	Standing loss per 24 hours	Cl.15, 15.1, 15.2,15.2.1, 15.2.2 of IS 2082: 2018
48.	Stationary storage type electric water heater	Moisture Resistant	Cl.15, 15.2, 15.3,15.2.1, 15.2.2 of IS 302-2 21: 2018
49.	Stationary storage type electric water heater	Hot water output	Cl.16, 16.1 of IS 2082: 2018
50.	Stationary storage type electric water heater	Leakage Current & Electric Strength	Cl.16, 16.1,16.2,16.3of IS 302-2 21, & 302-1 :2024
51.	Stationary Storage Type Electric Water Heater	Reheating Time	Cl.17, 17.1, 17.2 of IS 2082: 2018
52.	Stationary storage type electric water heater	Mixing Factor	Cl.18, 18.1, 18.2 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		
53.	Stationary storage type electric water heater	Deviation from dial calibration	Cl.19, 19.1, 19.2 of IS 2082: 2018
54.	Stationary storage type electric water heater	Abnormal Operation	Cl.19.1 to 9.10 of IS 302-2- 21:2024 & 302-1: 2024
55.	Stationary storage type electric water heater	Cyclic temperature variation (Differential)	Cl.20, 20.1, 20.2 of IS 2082: 2018
56.	Stationary Storage Type Electric Water Heater	Stability and Mechanical Hazards	Cl.20, 20.1 of IS 302-2 21 & 302-1 2024
57.	Stationary storage type electric water heater	Mechanical strength	Cl.21 of IS 302-2 21 & 302-1: 2024
58.	Stationary storage type electric water heater	Finish	Cl.21, 21.1 of IS 2082: 2018
59.	Stationary storage type electric water heater	Construction	Cl.22.1-22.111 of IS of 3022-2 21: 2024 & 302-1: 2024
60.	Stationary storage type electric water heater	Internal Wiring	Cl.23.1-23.8 of IS 302-2 21 & 302-1 2024
61.	Stationary storage type electric water heater	Components	Cl.24 of 302-2 21: 2024 & 302-1: 2024
62.	Stationary Storage Type Electric Water Heater	Supply Connection and External Flexible Cords	Cl.25.1-25.20 of IS 302-2 21 & 302-1: 2024
63.	Stationary Storage Type Electric Water Heater	Terminals for External Conductors	Cl.26.1,26.8,26.9,26.10 of IS 302-2 21 & 302-1: 2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
64.	Stationary Storage Type Electric Water Heater	Provision for Earthing	Cl.27.1-27.5 of IS 302-2 21 & 302-1 2008: 2018
65.	Stationary Storage Type Electric Water Heater	Screw and Connections	Cl.28 of IS 302-2 21 & 302-1 2024
66.	Stationary storage type electric water heater	Clearances, Creepage Distances and Solid Insulation	Cl.29 of 3022-2 21: 2024 & 302-1: 2024
67.	Stationary Storage Type Electric Water Heater	Resistant to Heat and Fire	Cl.30 of 3022-2 21 & 302-1 2024
68.	Stationary Storage Type Electric Water Heater	Resistance to Rusting	Cl.31 of 302-2 21 & 302-1 2024
69.	Electric Toaster- Specification	Ratings	Cl.6.1 of IS 1287: 1993
70.	Electric Toaster- Specification	Classification	Cl.7.1 of IS 1287: 1993
71.	Electric Toaster- Specification	Marking	Cl.7.1 of IS 1287: 1993
72.	Electric Toaster- Specification	Overall dimension	Cl.11.1 of IS 1287: 1993
73.	Electric Toaster- Specification	Length of the flexible cord	Cl.12. of IS 1287: 1993
74.	Electric Toaster- Specification	Mass of the appliances	Cl.13. of IS 1287: 1993
75.	Electric Toaster- Specification	Number and dimension of the toasting chamber toasting surface and heating element	Cl.14. of IS 1287: 1993
76.	Electric Toaster- Specification	Finish	Cl.23. of IS 1287: 1993

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
77.	Electric Toaster- Specification	Protection against success to live part	Cl. 25.1 & Table 1 of IS 1287:1993, IS 302-2-9: 2009 & 302-1: 2024
78.	Electric Toaster- Specification	Power input and current	Cl.25.1& Table 1 of IS 1287:1993, IS 302-2-9: 2009 & 302-1: 2024
79.	Electric Toaster- Specification	Heating	Cl.25.1& Table 1 of IS 1287:1993, IS 302-2-9: 2009 & 302-1: 2024
80.	Electric Toaster- Specification	Leakage current and electric strength	Cl.25.1& Table 1 of IS 1287:1993, IS 302-2-9: 2009 & 302-1: 2024
81.	Electric Toaster- Specification	Moisture resistance	Cl.25.1& Table 1 of IS 1287:1993, IS 302-2-9: 2009 & 302-1: 2024
82.	Electric Toaster- Specification	Abnormal operation	Cl.25.1& Table 1 of IS 1287:1993, IS 302-2-9: 2009 & 302-1: 2024
83.	Electric Toaster- Specification	Provision for earthing	Cl.25.1& Table 1 of IS 1287:1993, IS 302-2-9: 2009 & 302-1: 2024
84.	Electric Toaster- Specification	Screw & connections	Cl.25.1& Table 1 of IS 1287:1993, IS 302-2-9: 2009 & 302-1: 2024
85.	Electric Toaster- Specification	Resistance to heat and fire	Cl.25.1& Table 1 of IS 1287:1993, IS 302-2-9: 2009 & 302-1: 2024
86.	Electric Toaster- Specification	Resistance to rusting	Cl 25.1 & Table 1 of IS 1287:1993, IS 302-2-9: 2009 & 302-1: 2024
87.	Mains operated Electric Hair Dryers	Rating	Cl. 6.0 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
88.	Mains operated Electric Hair Dryers	Rating duty period	Cl. 6.1 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
89.	Mains operated Electric Hair Dryers	Rated Frequency	Cl. 6.2 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
90.	Mains operated Electric Hair Dryers	Classification	Cl. 7.0 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
91.	Mains operated Electric Hair Dryers	Marking	Cl. 8.0 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
92.	Mains operated Electric Hair Dryers	Marking of the control switch	Cl. 8.0 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
93.	Mains operated Electric Hair Dryers	Performance Test	Cl. 10 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
94.	Mains operated Electric Hair Dryers	Endurance test	Cl. 11 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
95.	Mains operated Electric Hair Dryers	Finish Test	Cl. 11 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
96.	Mains operated Electric Hair Dryers	Protection against access to live part	Cl. 13.1 & Table 1 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
97.	Mains operated Electric Hair Dryers	Power input and current	Cl. 13.1 & Table 1 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
98.	Mains operated Electric Hair Dryers	Heating Test	Cl. 13.1 & Table 1 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
99.	Mains operated Electric Hair Dryers	Leakage current and electric strength at operating temperature	Cl. 13.1 & Table 1 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
100.	Mains operated Electric Hair Dryers	Moisture Resistance	Cl. 13.1 & Table 1 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
101.	Mains operated Electric Hair Dryers	Provision for earthing	Cl. 13.1 & Table 1 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
102.	Mains operated Electric Hair Dryers	Clearance, Creepage distance and solid Insulation	Cl. 13.1 & Table 1 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
103.	Mains operated Electric Hair Dryers	Resistance to heat and fire	Cl. 13.1 & Table 1 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
104.	Mains operated Electric Hair Dryers	Resistance to rusting	Cl. 13.1 & Table 1 of IS 7154: 1994, IS 302-2-23: 2009, 302-1:2024
105.	Safety of household and similar Electrical appliance (Appliances for skin or hair care)	Protection against access to live part	Cl.101.1 (i) & Table 101, of IS 302-2-23: 2009
106.	Safety of household and similar Electrical appliance (Appliances for skin or hair care)	Power input and current	Cl.101.1 (ii) & Table 101, of IS 302-2-23: 2009
107.	Safety of household and similar Electrical appliance	Heating Test	Cl.101.1 (iii) & Table 101, of IS 302-2-23: 2009

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	Domestic Electrical Appliances		
	(Appliances for skin or hair care)		
108.	Safety of household and similar Electrical appliance (Appliances for skin or hair care)	Leakage current and electric strength at operating temperature	Cl.101.1 (iv) & Table 101, of IS 302-2-23: 2009
109.	Safety of household and similar Electrical appliance (Appliances for skin or hair care)	Moisture Resistance	Cl.101.1 (vi) & Table 101, of IS 302-2-23: 2009
110.	Safety of household and similar Electrical appliance (Appliances for skin or hair care)	Provision for earthing	Cl.101.1 (xvii) & Table 101, of IS 302-2-23: 2009
111.	Safety of household and similar Electrical appliance (Appliances for skin or hair care)	Screw and connections	Cl.101.1 (xviii) & Table 101, of IS 302-2-23: 2009
112.	Safety of household and similar Electrical appliance (Appliances for skin or hair care)	Clearance, Creepage distance and solid Insulation	Cl.101.1 (xix) & Table 101, of IS 302-2-23: 2009

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Scope of Accreditation

Indian Testing Laboratory Private Limited

Plot No. 248, Udyog Kendra-II, Ecotech-III, Gautam Budha Nagar
Greater Noida -201306, Uttar Pradesh, India

QAI/CIA/TL/2024/0075

Date of First Accreditation : 11 September 2024

Valid from: 11 September 2026

Valid until: 10 September 2028

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
113.	Safety of household and similar Electrical appliance (Appliances for skin or hair care)	Resistance to heat and fire	Cl.101.1 (xx) & Table 101, of IS 302-2-23: 2009
114.	Safety of household and similar Electrical appliances (Appliances for skin or hair care)	Resistance to rusting	Cl.101.1 (xxi) & Table 101, of IS 302-2-23: 2009
115.	Portable handheld mains-operated electric massagers	Visual Examination and inspections	Cl.12.3.1 & Table 1, of IS 7137:1973
116.	Portable handheld mains-operated electric massagers	Coard grip	Cl.12.3.2 & Table 1, of IS 7137:1973
117.	Portable handheld mains-operated electric massagers	Withdrawal pulls	Cl.12.3.3 & Table 1, of IS 7137: 1973
118.	Portable handheld mains-operated electric massagers	High voltage test	Cl.12.3.4 & Table 1, of IS 7137:1973, IS 302-1
119.	Portable handheld mains-operated electric massagers	Insulation resistance	Cl.44.3 & Table 1, of IS 7137:1973, IS 302-1
120.	Portable handheld mains-operated electric massagers	Protection against electric shock	Cl.12.3.5 & Table 1, of IS 7137:1973, IS 302-1
121.	Portable handheld mains-operated electric massagers	Leakage current	Cl.12.3.6 & Table 1, of IS 7137:1973, IS 302-1

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
122.	Portable handheld mains-operated electric massagers	Rating voltage	Cl.3.1 of IS 7137:1973, IS 302-1
123.	Portable handheld mains-operated electric massagers	Rated Input	Cl.3.2 of IS 7137:1973, IS 302-1
124.	Ceiling roses - specification	Ratings	Cl.7,7.1,7.2 of IS 371:1999
125.	Ceiling roses - specification	Classification	Cl.8 of IS 371:1999
126.	Ceiling roses - specification	Marking	Cl.9 of IS 371:1999
127.	Ceiling roses - specification	Accessibility of live parts	Cl.11 of IS 371:1999
128.	Ceiling roses - specification	Provision of earthing	Cl.12 of IS 371:1999
129.	Ceiling roses - specification	Dimensions	Cl.10 of IS 371:1999
130.	Ceiling roses - specification	Terminal	Cl.13 of IS 371:1999
131.	Electronic Type Fan Regulators — Specification	Rated voltages	Cl.4 of IS 11037:2019
132.	Electronic Type Fan Regulators — Specification	Rated frequency	Cl.5 of IS 11037:2019
133.	Electronic Type Fan Regulators — Specification	Leakage current	Cl.9.5.2 of IS 11037:2019
134.	Electronic Type Fan Regulators — Specification	High voltage	Cl.9.5.3 of IS 11037:2019
135.	Electronic Type Fan Regulators — Specification	Insulation resistance	Cl.9.5.4 of IS 11037:2019

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
136.	Electronic Type Fan Regulators — Specification	Earthing connection	Cl.9.5.5 of IS 11037:2019
137.	Electric Food-Mixers Juicers	Rated Capacity	Cl.3.9 of IS 4250: 2025
138.	Electric Food-Mixers Juicers	Rated Input	Cl.3.10 of IS 4250: 2025
139.	Electric Food-Mixers Juicers	Nominal Capacity	Cl.3.12 of IS 4250: 2025
140.	Electric Food-Mixers Juicers	Classification	Cl.6 of IS 4250: 2025
141.	Electric Food-Mixers Juicers	Marking	Cl.7 of IS 4250: 2025
142.	Electric Food-Mixers Juicers	Marking of Control Switch	Cl.7.4 of IS 4250: 2025
143.	Electric Food-Mixers Juicers	Protection against access to live parts	Cl.8 of IS 302 (Part 2/Sec 14)
144.	Electric Food-Mixers Juicers	Power input and current	Cl.10 of IS 302 (Part 2/Sec 14)
145.	Electric Food-Mixers Juicers	Leakage current and electric strength at operating temperature	Cl.13 of IS 302 (Part 2/Sec 14)
146.	Electric Food-Mixers Juicers	Moisture resistance	Cl.15 of IS 302 (Part 2/Sec 14)
147.	Electric Food-Mixers Juicers	Leakage current and electric strength	Cl.16 of IS 302 (Part 2/Sec 14)
148.	Electric Food-Mixers Juicers	Provision for earthing	Cl.27 of IS 302 (Part 2/Sec 14)

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