National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	QUALITY MARKING & TESTING LABORATORY, M.P. LAGHU UDYOG NIGAM LIMITED, POLOGROUND INDUSTRIAL AREA, INDORE, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5894	**Page No**	1 of 21
Validity	12/07/2022 to 11/07/2024	**Last Amended on**	11/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink Beverages (Rectified spirit)	Residue on Evaporation	IS 323
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages (whisky,rum,gin, beer, brandy)	Ethyl Alcohol	IS 3752
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages Rectified spirit,neutral spirit	Volatile acid (as acetic acid)	IS 323
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(Rectified spirit)	Esters (as ethyl acetate)	IS 323
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(Rectified spirit,neutral spirit	Aldehydes (as acetaidehyde)	IS 6613
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(Rectified spirit,neutral spirit	Alkalinity	IS 323
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(Rectified spirit,neutral spirit)	Relative density of alcohol	IS 3506
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(Rectified spirit,neutral spirit,whisky,rum,gin,beer,brandy)	Methyl alcohol	IS 3752
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(whisky,rum,gin,beer,brandy)	Higher alcohol (as amyl alcohol)	IS 3752
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(whisky,rum,gin,beer,brandy)	Residue on Evaporation	IS 3752
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(whisky,rum,gin,brandy)	Aldehydes (as acetaldehyde)	IS 3752
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(whisky,rum,gin,brandy)	Esters (as ethyl acetate)	IS 3752
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(whisky,rum,gin,brandy)	Total acids (as Tartaric acid)	IS 3752

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14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic drink, Beverages(whisky,rum,gin,brandy)	Volatile Acid (as Acetic acid)	IS 3752
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & condiments chilly whole,chilly powder,coriander powder,turmeric whole,turmeric powder,curry powder,	Acid insoluble ash	IS 1797
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & condiments chilly whole,chilly powder,coriander powder,turmeric whole,turmeric powder,curry powder,	Moisture	IS 1797
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & condiments chilly whole,chilly powder,coriander powder,turmeric whole,turmeric powder,curry powder,	Total ash	IS 1797
18	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Almino Ferric(Alum)	Soluble iron Compound	IS 299
19	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Alumino Ferric (Alum)	Arsenic	IS 2088
20	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Alumino Ferric (Alum)	Basicity/Acidity	IS 299
21	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Alumino Ferric (Alum)	pH Value	IS 299
22	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Alumino Ferric (Alum)	Water insoluble matter	IS 229
23	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Alumino Ferric (Alum)	Water Soluble Aluminium compounds	IS 229
24	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Bleaching Powder	Available Chorine	IS 1065-Part 1
25	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Bleaching Powder	Moisture	IS 1065-Part 1
26	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Bleaching Powder	Stability(Loss of chlorine)	IS 1065-Part 1
27	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chlorine Tablets	Available Chlorine	IS 9825
28	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chlorine Tablets	Moisture	IS 9825
29	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Hypo chlorite	Available Chlorine	IS 11673
30	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Hypo Chlorite	Free Alkali	IS 11673

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31	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Hypo Chlorite	Free Sodium Carbonate	IS 11673
32	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Aluminium & its alloys	Anodic coating Thickness (Stripping method)	IS 5523
33	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Iron and steel articles	Mass of Zinc coating	IS 6745
34	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Iron and steel articles	Uniformity of Zinc coating	IS 2633
35	CHEMICAL- METALS & ALLOYS	Aluminium alloys	Manganese	IS 504(part-5)
36	CHEMICAL- METALS & ALLOYS	Aluminium alloys	Silicon	IS 504(part-1)
37	CHEMICAL- METALS & ALLOYS	Copper alloys	Lead	IS 4027(Part-1)
38	CHEMICAL- METALS & ALLOYS	Copper alloys	Copper	IS 3685
39	CHEMICAL- METALS & ALLOYS	Copper alloys	Copper	IS 4027(part-1)
40	CHEMICAL- METALS & ALLOYS	Copper alloys	Iron	IS 3685
41	CHEMICAL- METALS & ALLOYS	Copper alloys	Iron	IS 4027(part-8)
42	CHEMICAL- METALS & ALLOYS	Copper alloys	lead	IS 3685
43	CHEMICAL- METALS & ALLOYS	Copper alloys	Nickel	IS 4027(part-4)
44	CHEMICAL- METALS & ALLOYS	Copper alloys	Tin	IS 3685
45	CHEMICAL- METALS & ALLOYS	Copper alloys	Tin	IS 4027(part-5)
46	CHEMICAL- METALS & ALLOYS	Copper alloys	Zinc	IS 3685
47	CHEMICAL- METALS & ALLOYS	Copper alloys	Zinc	IS 4027(part-6)
48	CHEMICAL- METALS & ALLOYS	low Alloy Steel	Carbon	IS 228(part-1)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
49	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 228(part-2)
50	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	IS 228(part-3)
51	CHEMICAL- METALS & ALLOYS	Low alloy Steel	Sulphur	IS 228(part-9)
52	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228(part-1)
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228(part-6)
54	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 228(part-2)
55	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228(part-5)
56	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 228(part-8)
57	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 228(part-9)
58	CHEMICAL- PAPER AND PULP	Paper board	GSM / Substance	IS 1060(part-1)
59	CHEMICAL- PAPER AND PULP	Paper board	pH	IS 1060(part-1)
60	CHEMICAL- WATER	Construction water	Chlorides	IS 3025(part-32)
61	CHEMICAL- WATER	water for construction	Acidity (volume of 0.02 N NaOH to neutralize 100 ml sample of water using phenolphthalein as indicator)	IS 3025(part-22)
62	CHEMICAL- WATER	Water for Construction	Alkalinity (Volume of 0.02N H2SO4 required to neutralize 100 ml sample of water using mixed indicator)	IS 3025(part-23)
63	CHEMICAL- WATER	water for Construction	Inorganic Solids	IS 3025(part-18)
64	CHEMICAL- WATER	water for Construction	Organic Solids	IS 3025(part-18)
65	CHEMICAL- WATER	Water for Construction	pH Value	IS 3025(part-11)
66	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Ageing in Air Oven Tensile Strength of Insulation & Sheath	IS:14255

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
67	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Application & Construction of conductors/Tape Insulation/Inner & Outer Sheath/Braid/Screen/Separator/ Armoring wires/cores, Covering, Color marking, Core Identification, Freedom from defect	IS:14255
68	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Breaking load test (Messenger Wire)	IS 14255
69	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Conductor Resistance Test	IS:14255
70	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Elongation Test of Aluminium Wire	IS:14255
71	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Elongation test (Messenger Wire)	IS 14255
72	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Hot Set Test	IS:14255
73	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Insulation Resistance Constant	IS:14255
74	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Insulation/Sheath Dimension	IS:14255
75	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Overall dimension, Length, Width, Thickness	IS:14255
76	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Resistance test (Messenger Wire)	IS 14255
77	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Shrinkage Test	IS:14255
78	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Tensile Strength	IS:14255
79	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Tensile Strength of Insulation & Sheath	IS:14255
80	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 Volts	Wrapping test of Aluminum conductor	IS:14255
81	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltagess upto and including 1100 Volts	Bending test on the completed cable	IS 14255
82	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltagess upto and including 1100 Volts	Cable Identification (Cl. 12.2)	14255
83	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltagess upto and including 1100 Volts	Elongation at Messenger Conductor	14255

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
84	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltagess upto and including 1100 Volts	High Voltage	14255
85	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltagess upto and including 1100 Volts	Identification	14255
86	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltagess upto and including 1100 Volts	Type of Conductor	14255
87	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltagess upto and including 1100 Volts	Type of Insulation	14255
88	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltagess upto and including 1100 Volts	Volume Resistivity	IS:14255
89	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltagess upto and including 1100 Volts	Water Absorption Test (Gravimetric)	IS:14255
90	ELECTRICAL- CABLES & WIRES	Annealing test for wires used in conductors	Annealing Test	10810 (Part 1)
91	ELECTRICAL- CABLES & WIRES	Arial Bunched Cables for Working Voltages up to 1100 V	A C High Voltage Test (Water Immersion)	IS:14255
92	ELECTRICAL- CABLES & WIRES	Arial Bunched Cables for Working Voltages up to 1100 V	A C High Voltage Test (Room Temperature)	IS:14255
93	ELECTRICAL- CABLES & WIRES	Conductors for Insulated Electric Cables and Flexible Cords	Construction of conductor (Solid/Stranded circular non compacted/stranded compacted/Flexible)	IS 8130
94	ELECTRICAL- CABLES & WIRES	Conductors for Insulated Electric Cables and Flexible Cords	Joint in Conductor	IS 8130
95	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated PVC Sheathed Cables 1100 V	Thermal Stability Test 200 Degree	IS 7098 (Part 1)
96	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated PVC Sheathed Cables 1100 V	Torsion Test	IS 7098 (Part 1)
97	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated PVC Sheathed Cables 1100 V	Volume Resistivity	IS 7098 (Part 1)
98	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated PVC Sheathed Cables 1100 V	Water Absorption Test (Gravimetric)	IS 7098(Part 1)
99	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated PVC Sheathed Cables 1100 V	Wrapping test of Aluminum conductor	IS 7098 (Part 1)
100	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Ageing in Air Oven Tensile Strength of Insulation & Sheath	IS 7098 (Part 2)
101	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Annealing	IS 7098 (Part 2)

SCOPE OF ACCREDITATION

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102	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Application & Construction of conductors/Tape Insulation/Inner & Outer Sheath/Braid/Screen/Separator/ Armoring wires/cores, Covering, Color marking, Core Identification, Freedom from defect	IS 7098 (Part 2)
103	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Conductor Resistance Test	IS 7098 (Part 2)
104	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Elongation Test	IS 7098 (Part 2)
105	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Flammability Test	IS 7098 (Part 2)
106	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Flammability Test	IS 7098 (Part 2)
107	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Heat Shock Test	IS 7098 (Part 2)
108	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Hot Deformation Test	IS 7098 (Part 2)
109	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Hot Set Test	IS 7098 (Part 2)
110	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Insulation Resistance Constant	IS 7098 (Part 2)
111	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Insulation/Sheath Dimension	IS 7098 (Part 2)
112	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Loss of mass	IS 7098 (Part 2)
113	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Resistivity Test	IS 7098 (Part 2)
114	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Shrinkage Test	IS 7098 (Part 2)
115	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Tensile Strength	IS 7098 (Part 2)
116	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Tensile Strength of Insulation & Sheath	IS 7098 (Part 2)
117	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Thermal Stability Test	IS 7098 (Part 2)
118	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Thickness	IS 7098 (Part 2)

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119	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Torsion Test	IS 7098 (Part 2)
120	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Volume Resistivity	IS 7098 (Part 2)
121	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Water Absorption Test (Gravimetric)	IS 7098 (Part 2)
122	ELECTRICAL- CABLES & WIRES	Cross linked Polythene Insulated Thermoplastic Sheathed Cables 33 kV	Wrapping test of Aluminum conductor	IS 7098 (Part 2)
123	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	A C High Voltage Test (Room Temperature)	IS 7098 (Part 1)
124	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	A C High Voltage Test (Water Immersion)	IS 7098 (Part 1)
125	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Ageing in Air Oven Tensile Strength of Insulation & Sheath	IS 7098 (Part 1)
126	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Annealing	IS 7098 (Part 1)
127	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Application & Construction of conductors/Tape Insulation/Inner & Outer Sheath/Braid/Screen/Separator/ Armoring wires/cores, Covering, Color marking, Core Identification, Freedom from defect	IS 7098 (Part 1)
128	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Conductor Resistance Test	IS 7098 (Part 1)
129	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	D C High voltage	IS 7098 (Part 1)
130	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Elongation Test	IS 7098 (Part 1)
131	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Flammability Test	IS 7098 (Part 1)
132	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Flammability Test	IS 7098 (Part 1)
133	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Heat Shock Test	IS 7098 (Part 1)
134	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Hot Deformation Test	IS 7098 (Part 1)
135	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Hot Set Test	IS 7098 (Part 1)

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136	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Insulation (Cl. 9)	IS 7098 (Part 1)
137	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Insulation Resistance Constant	IS 7098 (Part 1)
138	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Insulation/Sheath Dimension	IS 7098 (Part 1)
139	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Loss of mass	IS 7098 (Part 1)
140	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Overall Dimension, Length, Width, Thickness	IS 7098 (Part 1)
141	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Resistivity Test	IS 7098 (Part 1)
142	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Shrinkage Test	IS 7098 (Part 1)
143	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Tensile Strength	IS 7098 (Part 1)
144	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables: Part 1 For working voltage upto and including 1 100 V	Tensile Strength of Insulation & Sheath	IS 7098 (Part 1)
145	ELECTRICAL- CABLES & WIRES	Insulating Paper	Ash Content Test	10810 (Part 27)
146	ELECTRICAL- CABLES & WIRES	Insulating Paper	pH Value	10810 (Part 21)
147	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires Formed Wires & Tapes for Amrouring of Cables	Application & Construction of conductors/Tape Insulation/Inner & Outer Sheath/Braid/Screen/Separator/ Armoring wires/cores, Covering, Color marking, Core Identification, Freedom from defect	IS 3975
148	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires Formed Wires & Tapes for Amrouring of Cables	Dimensions Test	IS 3975
149	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires Formed Wires & Tapes for Amrouring of Cables	Elongation Test	IS 3975
150	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires Formed Wires & Tapes for Amrouring of Cables	Resistivity Test	IS 3975
151	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires Formed Wires & Tapes for Amrouring of Cables	Tensile Strength	IS 3975
152	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires Formed Wires & Tapes for Amrouring of Cables	Torsion Test	IS 3975

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153	ELECTRICAL- CABLES & WIRES	Metallic Sheath	Measurement of Thickness of Metallic Sheath	10810 (Part 34)
154	ELECTRICAL- CABLES & WIRES	Methods of Test for Cables - Part 12 : Shrinkage Test	Shrinkage	IS 10810 (Part 12)
155	ELECTRICAL- CABLES & WIRES	Methods of Test for Cables - Part 15 : Hot Deformation Test	Hot Deformation	IS 10810 (Part 15)
156	ELECTRICAL- CABLES & WIRES	Methods of Test for Cables - Part 43 : Insulation Resistance	Insulation Resistance	IS 10810 (Pt. 43)
157	ELECTRICAL- CABLES & WIRES	Methods of Test for Cables - Part 45 : High Voltage Test	A.C High Voltage	IS 10810 (Part 45)
158	ELECTRICAL- CABLES & WIRES	Methods of Test for Cables - Part 53 : Flammability Test	Flammability Test	IS 10810 (Part 53)
159	ELECTRICAL- CABLES & WIRES	Methods of Test for Cables - Part 53 : Flammability Test	Static Flexibility Test	IS 10810 (Part 54)
160	ELECTRICAL- CABLES & WIRES	Methods of test for cables: Part 4 Persulphate test of conductor	Persulphate Test	IS 10810 (Part 4)
161	ELECTRICAL- CABLES & WIRES	Methods of test for cables: Part 60 Thermal stability of PVC insulation and sheath	Thermal Stability test	IS 10810 (Part 60)
162	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 10 Loss of mass test	Loss of mass	IS 10810 (Part 10)
163	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 11 Thermal ageing in air	Thermal Ageing in Air	IS 10810 (Part 11)
164	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 14 Heat shock test	Heat Shock Test	IS 10810 (Part 14)
165	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 19 Bleeding and blooming test	Bleeding and Blooming Test	IS 10810 (Part 19)
166	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 20 Cold bend test	Cold Bend Test	IS 10810 (Part 20)
167	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 21 Cold impact test	Cold Impact Test	IS 10810 (Part 21)
168	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 30 Hot set test	Hot Set Test	IS 10810 (Part 30)
169	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 33 Water absorption test (Gravimetric)	Water absorption	IS 10810 (Part 33)
170	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 36 Dimensions of armouring material	Dimension of Armouring Material	IS 10810 (Part 36)
171	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 39 Winding test on galvanized steel strips for armouring	Wingding Test	IS 10810 (Pt. 39)

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172	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 42 Resistivity test of armour wires and strips and conductance test of armour (wires/strips)	Resistivity Test of Armour Wires and Strips	IS 10810 (Pt. 42)
173	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 44 Spark test	Spark Test	IS 10810 (Part 44)
174	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 50 Bending test	Bending Test	IS 10810 (Pt. 50)
175	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 51 Dripping test	Dripping Test	IS 10810 (Part 51)
176	ELECTRICAL- CABLES & WIRES	Methods of test for cables:Part 52 Drainage test	Drainage Test	IS 10810 (Part 52)
177	ELECTRICAL- CABLES & WIRES	Other	Tensile Test for Aluminium	10810 (Part 2)
178	ELECTRICAL- CABLES & WIRES	Other	Wrapping Test of Aluminium	10810 (Part 3)
179	ELECTRICAL- CABLES & WIRES	Paper Insulation	Breaking and Elongation at break	10810 (Part 8)
180	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Sheath Thickness (Cl. 8.3)	IS 694
181	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	A.C. High Voltage (Room Temperature)	IS 694
182	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	A.C. High Voltage (Water Immersion)	IS 694
183	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Additional Ageing Test	IS 694
184	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Additional Ageing test of Complete Cable/Wire	IS 694
185	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Ageing in Air Oven of Insulation and Sheath	IS 694
186	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Annealing Test	IS 694

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187	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Cold Bend of Insulation and Sheath	IS 694
188	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Cold Impact of Insulation and Sheath	IS 694
189	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Conductor Resistance	IS 694
190	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	D.C. High Voltage	IS 694
191	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Durability	IS 694
192	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Electrical Resistance (Cl. 4.2)	IS 694
193	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Elongation of Insulation and Sheath	IS 694
194	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Flammability of Insulation and Complete Cable	IS 694
195	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Flammability Test of Insulation and Sheath	IS 694
196	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Heat Shock of Insulation and Sheath	IS 694
197	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Insulation Resistance	IS 694
198	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Loss of Mass of Insulation and Sheath	IS 694
199	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Ovality (Cl. 9.1)	IS 694
200	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Overall Dimension Thickness of Insulation and Sheath	IS 694

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201	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Shrinkage of Insulation and Sheath	IS 694
202	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Shrinkage of Insulation and Sheath	IS 694
203	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Spark	IS 694
204	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Tensile Strength of Insulation and Sheath	IS 694
205	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Tensile Test	IS 694
206	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Thermal Stability of Insulation and Sheath	IS 694
207	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V	Wrapping	IS 694
208	ELECTRICAL- CABLES & WIRES	PVC	Thickness of Insulation and Sheath	10810 (Part 6)
209	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Ageing in Air Oven Tensile Strength of Insulation & Sheath	IS 1554 (Part 2)
210	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Application & Construction of conductors/Tape Insulation/Inner & Outer Sheath/Braid/Screen/Separator/ Armoring wires/cores, Covering, Color marking, Core Identification, Freedom from defect	IS 1554 (Part 2)
211	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Elongation Test	IS 1554 (Part 2)
212	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Flammability Test	IS 1554 (Part 2)
213	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Flammability Test	IS 1554 (Part 2)
214	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Heat Shock Test	IS 1554 (Part 2)

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215	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Hot Deformation Test	IS 1554 (Part 2)
216	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Insulation Resistance Constant	IS 1554 (Part 2)
217	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Insulation/Sheath Dimension	IS 1554 (Part 2)
218	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Loss of mass	IS 1554 (Part 2)
219	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Shrinkage Test	IS 1554 (Part 2)
220	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Tensile Strength of Insulation & Sheath	IS 1554 (Part 2)
221	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Thermal Stability Test	IS 1554 (Part 2)
222	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Torsion Test	IS 1554 (Part 2)
223	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Volume Resistivity	IS 1554 (Part 2)
224	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cable up to 11 kV	Water Absorption Test (Gravimetric)	IS 1554 (Part 2)
225	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables - Part 2 : for Working Voltages from 3"3 kV up to and Including 11 kV	Thickness	IS 1554 (Part 2)
226	ELECTRICAL- CABLES & WIRES	PVC insulated (heavy duty) electric cables: Part 1 For working voltages upto and including 1 100 V	Thickness (Cl. 9.2)	IS 1554 (Part 1)
227	ELECTRICAL- CABLES & WIRES	PVC Insulated and Sheathed Cable	Armoring	1554 (Part 1)
228	ELECTRICAL- CABLES & WIRES	PVC Insulated and Sheathed Cable	Filler and Inner Sheath	1554(Pat 1)
229	ELECTRICAL- CABLES & WIRES	PVC Insulated and Sheathed Cable	Laying up of cores	1554 (Part 1)
230	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	AAAC conductor	Breaking load Test	IS 398(Part-1)
231	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	AAAC conductor	Breaking load Test	IS 398(Part-4)
232	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	AAAC conductor	Breaking load Test	IS 398(Part-5)

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233	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC Conductor	Diameter	IS 398 (Part 1)
234	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC Conductor	Diameter	IS 398 (Part 4)
235	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC Conductor	Diameter	IS 398 (Part 5)
236	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC Conductor	Direction of lay	IS 398(Part-4)
237	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC Conductor	Elongation Test	IS 398(Part-4)
238	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC Conductor	Elongation Test	IS 398(Part-5)
239	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC Conductor	Freedom from defects	IS 398(Part-1)
240	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC Conductor	Freedom from defects	IS 398(Part-4)
241	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC Conductor	Freedom from defects	IS 398(Part-5)
242	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC conductor	Joints in wires	IS 398(Part-1)
243	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC conductor	Joints in wires	IS 398(Part-4)
244	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC conductor	Joints in wires	IS 398(Part-5)
245	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC conductor	Lay ratio	IS 398(Part-2)
246	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC conductor	Resistance Test	IS 398(Part-1)

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247	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC conductor	Resistance Test	IS 398(Part-4)
248	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC conductor	Resistance Test	IS 398(Part-5)
249	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAAC Conductor	Stranding	IS 398(Part-2)
250	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	ACSR conductor	Breaking load Test	IS 398(Part-2)
251	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	ACSR Conductor	Diameter	IS 398 (Part 2)
252	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	ACSR Conductor	Direction of lay	IS 398(Part-2)
253	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	ACSR Conductor	Elongation Test	IS 398(Part-2)
254	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	ACSR Conductor	Freedom from defects	IS 398(Part-2)
255	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	ACSR Conductor	Freedom from defects	IS 398(Part-4)
256	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	ACSR conductor	Lay ratio	IS 398(Part-2)
257	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	ACSR conductor	Resistance Test	IS 398(Part-2)
258	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	ACSR Conductor & Wire	Torsion Test	IS 398(Part-2)
259	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	ACSR conductorr	Joints in wires	IS 398(Part-2)
260	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Carriers and bases used in rewirable type electric fuses for voltages upto 650V	High Voltage test	2086

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261	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Carriers and bases used in rewirable type electric fuses for voltages upto 650V	Insulation resistance	2086
262	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Carriers and bases used in rewirable type electric fuses for voltages upto 650V	Mechanical endurance	2086
263	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Carriers and bases used in rewirable type electric fuses for voltages upto 650V	Mechanical strength	2086
264	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Carriers and bases used in rewirable type electric fuses for voltages upto 650V	Test of dimension	2086
265	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Carriers and bases used in rewirable type electric fuses for voltages upto 650V	Water absorption test	2086
266	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Carriers and bases used in rewirable type electric fuses for voltages upto 650V	Withdrawal force	2086
267	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Copper Conductors & Wires	Resistance Test	IS 6162 (Part 2)
268	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Direction of lay	Direction of lay	IS 398(Part-1)
269	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Direction of lay	Direction of lay	IS 398(Part-5)
270	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Application of paper, Grade of paper	IS 6162(Part-1)
271	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Application of paper, Grade of paper	IS 6162(Part-2)
272	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Application of paper, Grade of paper	IS 7404(Part-1)
273	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Arrangements of layers of paper	IS 6162(Part-1)
274	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Arrangements of layers of paper	IS 6162(Part-2)

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275	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Arrangements of layers of paper	IS 7404(Part-1)
276	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Dimension	IS 6162 (Part 1)
277	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Dimension	IS 6162(part-1&2)
278	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Dimension	IS 7404(Part-1)
279	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Direction of lay	IS 6162(Part-2)
280	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Elongation Test	IS 7404(Part-1)
281	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Freedom from defects	IS 6162(Part-1)
282	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Freedom from defects	IS 6162(Part-2)
283	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Resistance Test	IS 6162(Part 1)
284	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Resistance Test	IS 6162(Part-1)
285	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Resistance Test	IS 6162(Part-2)
286	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Resistance Test	IS 7404(Part-1)
287	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Tensile Strength	IS 6162(Part-2)
288	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Double/Triple Paper coated	Tensile Strength Test	IS 6162(Part-1)

SCOPE OF ACCREDITATION

Laboratory Name :	QUALITY MARKING & TESTING LABORATORY, M.P. LAGHU UDYOG NIGAM LIMITED, POLOGROUND INDUSTRIAL AREA, INDORE, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5894	**Page No**	19 of 21
Validity	12/07/2022 to 11/07/2024	**Last Amended on**	11/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
289	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	DPC Wire	Dimension	IS 6162(Part-2)
290	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Steel & Aluminium Wire	Wrapping Test	IS 398(Part-2)
291	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Compressive Strength	IS 3495(Part-1)
292	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516, part-1, sec-1
293	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium metals bar/sheet/strip	Elongation	IS 1608 (Part 1)
294	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium Alloy bar/sheet/strip	Bend Test	IS 1599
295	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper metals,bar,sheet/strip	Elongation	IS 1608 (Part 1)
296	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper metals,bar,sheet/strip	Tensile Strength	IS 1608 (Part 1)
297	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, bolt nut, sheet/strip	Rockwell hardness test	IS 1586(Part-1)
298	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, steel wire	Wrapping test	IS 1755
299	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, structural steel, high strength deformed bar, sheet/strip, hard drawn wire	Elongation	IS 1608 part 1
300	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, structural steel, high strength deformed bar, sheet/strip, hard drawn wire	Tensile Strength	IS 1608 (Part 1)
301	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, structural steel, sheet/strip, hard drawn wire	Proof stress	IS 1608 (Part 1)
302	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, structural steel, sheet/strip, hard drawn wire	Tensile strength	IS 1608 (Part 1)

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5894	**Page No**	20 of 21
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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals,bolt/nut	Rockwell Hardness test	IS 1586(Part-1)
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals,sheet/strip	Modified Erichsen Cupping Test	IS 10175
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals,structural steel, bolt/nut, sheet/strip	Vickers Hardness (HV 30)	IS 1501(Part-1)
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals,structural steel,high strength deformed bar,sheet/strip	Bend Test	IS 1599
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals,structural steel,high strength deformed bar,sheet/strip	Yield strength	IS 1608 (Part 1)
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals,structural steel,sheet/strip	Charpy Impact Pendulum Test V Notch	IS 1757
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals,structural steel,sheet/strip	Charpy Impact Test U Notch	IS 1499
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals,structural steel,sheet/strip	Izod Impact Test	IS 1598
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals,structural steel,sheet/strip, grey iron casting	Brinell Hardness test	IS 1500(Part-1)
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	GI wire	Torsion Test	IS 1717
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hard Drawn Wire	Reverse Bend Test	IS 1716
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bar	Mass per meter run	IS 1786
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed bar	Rebend Test	IS 1786
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot-Dipped Galvanized Coatings on Round Steel Wires	Adhesion of coating	IS 4826

SCOPE OF ACCREDITATION

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Wire	Torsion test	IS 1717
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials — Tube	Flattening Test	IS 2328
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic tubes	Bend Test	IS 2329
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Wires	Wrapping	IS 1755
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Method of Drift Expanding Test on Metallic Tubes	Drift expansion test	IS 2335
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MS Bolt	Shear Strength	IS 5242
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rivets	Shear Test	IS 10102
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel tubes for mechanical and general engineering purposes	Crushing test	IS 3601