National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORIES, TECHNICAL SERVICES DIVISION, BHEL, TECHNICAL SERVICES DEPARTMENT, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
Permanent Facility				
1	CHEMICAL- LUBRICANTS	Gases	Dew Point	ASTM D2029
2	CHEMICAL- LUBRICANTS	Insulating oil	Acidity / Neutralization value after oxidation	IEC 61125
3	CHEMICAL- LUBRICANTS	Insulating oil	Acidity / Neutralization value after oxidation	IS : 12422
4	CHEMICAL- LUBRICANTS	Insulating oil	Acidity/ Neutralization Value	IEC 62021
5	CHEMICAL- LUBRICANTS	Insulating oil	Corrosive Sulphur	IS 1448 (Part 15)
6	CHEMICAL- LUBRICANTS	Insulating oil	Density	IS 1448 (Part 16)
7	CHEMICAL- LUBRICANTS	Insulating oil	Density	ISO 3675
8	CHEMICAL- LUBRICANTS	Insulating oil	Flash Point	IS 1448 (Part 21)
9	CHEMICAL- LUBRICANTS	Insulating oil	Flash Point	ISO 2719
10	CHEMICAL- LUBRICANTS	Insulating oil	IFT at 27°C	ASTM D971
11	CHEMICAL- LUBRICANTS	Insulating oil	IFT at 27°C	IS 6104
12	CHEMICAL- LUBRICANTS	Insulating oil	Inhibitor	IEC 60666
13	CHEMICAL- LUBRICANTS	Insulating oil	K.viscosity at 40° C	IS 1448 (Part 25)
14	CHEMICAL- LUBRICANTS	Insulating oil	Moisture content	IEC 60814
15	CHEMICAL- LUBRICANTS	Insulating oil	Moisture content	IS 13567
16	CHEMICAL- LUBRICANTS	Insulating oil	Sludge content after oxidation	IEC 61125
17	CHEMICAL- LUBRICANTS	Insulating oil	Sludge content after oxidation	IS : 12422
18	CHEMICAL- LUBRICANTS	Insulating oil	Sludge content after oxidation	IS 12177
19	CHEMICAL- LUBRICANTS	Transformer oil	Acetylene	ASTM D3612
20	CHEMICAL- LUBRICANTS	Transformer oil	Acetylene	IEC 60567
21	CHEMICAL- LUBRICANTS	Transformer oil	Acetylene	IS : 9434
22	CHEMICAL- LUBRICANTS	Transformer oil	Carbon Dioxide	ASTM D3612
23	CHEMICAL- LUBRICANTS	Transformer oil	Carbon Dioxide	IEC 60567
24	CHEMICAL- LUBRICANTS	Transformer oil	Carbon Dioxide	IS : 9434
25	CHEMICAL- LUBRICANTS	Transformer oil	Carbon Monoxide	ASTM D3612
26	CHEMICAL- LUBRICANTS	Transformer oil	Carbon Monoxide	IEC 60567
27	CHEMICAL- LUBRICANTS	Transformer oil	Carbon Monoxide	IS : 9434
28	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved gas analysis (total has content)	IEC 60567

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29	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved gas analysis (Total gas content)	IS : 9434
30	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved gas analysis(total gas content)	ASTM D3612
31	CHEMICAL- LUBRICANTS	Transformer oil	Ethane	ASTM D3612
32	CHEMICAL- LUBRICANTS	Transformer oil	Ethane	IEC 60567
33	CHEMICAL- LUBRICANTS	Transformer oil	Ethane	IS : 9434
34	CHEMICAL- LUBRICANTS	Transformer oil	Ethylene	ASTM D3612
35	CHEMICAL- LUBRICANTS	Transformer oil	Ethylene	IEC 60567
36	CHEMICAL- LUBRICANTS	Transformer oil	Ethylene	IS : 9434
37	CHEMICAL- LUBRICANTS	Transformer oil	Hydrogen	ASTM D3612
38	CHEMICAL- LUBRICANTS	Transformer oil	Hydrogen	IEC 60567
39	CHEMICAL- LUBRICANTS	Transformer oil	Hydrogen	IS : 9434
40	CHEMICAL- LUBRICANTS	Transformer oil	Methane	ASTM D3612
41	CHEMICAL- LUBRICANTS	Transformer oil	Methane	IEC 60567
42	CHEMICAL- LUBRICANTS	Transformer oil	Methane	IS : 9434
43	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Plating Thickness (Ag)	Thickness	ASTM B568
44	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Plating Thickness (Au)	Thickness	ASTM B568
45	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Plating Thickness (Cu)	Thickness	ASTM B568
46	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Plating Thickness (Ni)	Thickness	ASTM B568
47	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Plating Thickness (Sn)	Thickness	ASTM B568
48	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Plating Thickness (Zn)	Thickness	ASTM B568
49	CHEMICAL- METALS & ALLOYS	Brass	Copper	IS 3685

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50	CHEMICAL- METALS & ALLOYS	BRASS	Lead	IS 3685
51	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Carbon	ISO 14707
52	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Chromium	ISO 14707
53	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Copper	ISO 14707
54	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Manganese	ISO 14707
55	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Nickel	ISO 14707
56	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Niobium	ISO 14707
57	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Phosphorus	ISO 14707
58	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Silicon	ISO 14707
59	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Sulfur	ISO 14707
60	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Titanium	ISO 14707
61	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Vanadium	ISO 14707
62	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Oxygen Content	ASTM E2575
63	CHEMICAL- METALS & ALLOYS	Copper Phosphorus Brazing alloys	Silver	IS 4646 (Part 1)
64	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ISO 14707
65	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ISO 14707
66	CHEMICAL- METALS & ALLOYS	Stainless steel	Cobalt	ISO 14707
67	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ISO 14707
68	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ISO 14707

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69	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ISO 14707
70	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ISO 14707
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	ISO 14707
72	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ISO 14707
73	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ISO 14707
74	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	ISO 14707
75	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	ISO 14707
76	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	ISO 14707
77	CHEMICAL- PAINTS & SURFACE COATING	Enamelled round copper wire	Resistance to insulating oil	IS 13730 (Part 0) Sec 1
78	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Acid/Alkali Resistance	IS 14209
79	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Color	IS 5
80	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Compatibility	ASTM D3359
81	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Consistency	IS 101 (Part 1) Section 5
82	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Drying Time, Hard	IS 101 (Part 3) Section 1
83	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Drying TIme, Surface	IS 101 (Part 3) Section 1
84	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Drying Time, Tack	IS 101 (Part 3) Section 1
85	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Finish	IS : 101 (Part 3) Section 4
86	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Nonvolatile matter %	IS 101 (Part 8) Section 2
87	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Pigment content	IS 101 (Part 8) Section 2

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88	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Pot life	IS 14209
89	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Resistance to acid	IS 2932 (Part 1)
90	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Resistance to alkali	IS 2932 (Part 1)
91	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Resistance to heat	IS 101 (Part 7) Section 3
92	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Resistance to Humidity	IS 101 (Part 6) Section 1
93	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Scratch hardness	IS 101 (Part 5) Section 2
94	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Volatile matter %	IS 101 (Part 2) Section 2
95	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Volume solid %	IS 101 (Part 8) Section 6
96	CHEMICAL- PAINTS & SURFACE COATING	Paints, Enamel & Varnishes	Wt. in Kg/ 10 ltrs.	IS 101 (Part 1) Section 7
97	CHEMICAL- PAINTS & SURFACE COATING	Varnish-bonded glass fibre-braided conductors	Cure test	IS 6181
98	CHEMICAL- PAINTS & SURFACE COATING	Winding Wires	Resistance to insulating oil	IEC: 60851 (Part-4)
99	CHEMICAL- PAINTS & SURFACE COATING	Winding Wires	Resistance to solvent	IEC: 60851 (Part-4)
100	CHEMICAL- PAPER AND PULP	Kraft paper, crepe and tissue paper	Ash content	IEC 60554 (Part 2)
101	CHEMICAL- PAPER AND PULP	Kraft paper, crepe and tissue paper	Ash content	IS 9335 (Part 2)
102	CHEMICAL- PAPER AND PULP	Kraft paper, crepe and tissue paper	Conductivity of aqueous extract.	IEC 60554 (Part 2)
103	CHEMICAL- PAPER AND PULP	Kraft paper, crepe and tissue paper	Conductivity of aqueous extract.	IS 9335 (Part 2)
104	CHEMICAL- PAPER AND PULP	Kraft paper, crepe and tissue paper	pH of aqueous extract	IEC 60554 (Part 2)
105	CHEMICAL- PAPER AND PULP	Kraft paper, crepe and tissue paper	pH of aqueous extract	IS 9335 (Part 2)
106	CHEMICAL- PAPER AND PULP	Press board and paper	Moisture content	TR10269P

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107	CHEMICAL- PAPER AND PULP	Press board and press paper	Ash content	ISO 2144
108	CHEMICAL- PAPER AND PULP	Press board and press paper	Conductivity of aqueous extract.	IEC 60641 (Part 2)
109	CHEMICAL- PAPER AND PULP	Press board and press paper	Effect on insulating oil	BS EN 60763 (Part 2)
110	CHEMICAL- PAPER AND PULP	Press board and press paper	Increase in acidity	IEC 60296
111	CHEMICAL- PAPER AND PULP	Press board and press paper	Increase in acidity	IEC 62021 (Part 1)
112	CHEMICAL- PAPER AND PULP	Press board and press paper	Increase in sludge content	IEC 61125
113	CHEMICAL- PAPER AND PULP	Press board and press paper	pH of aqueous extract	IEC 60641 (Part 2)
114	CHEMICAL- PAPER AND PULP	Timber	Moisture Content	IS 11215
115	CHEMICAL- PLASTIC & RESINS	B stage resin impregnates insulating tapes & folium.	Binder content	IEC 60371 (Part 2)
116	CHEMICAL- PLASTIC & RESINS	B stage resin impregnates insulating tapes & folium.	Breaking load	IEC 60371 (Part 2)
117	CHEMICAL- PLASTIC & RESINS	B stage resin impregnates insulating tapes & folium.	Breaking load	IEC 60626 (Part 2)
118	CHEMICAL- PLASTIC & RESINS	B stage resin impregnates insulating tapes & folium.	Glass	IEC 60371 (Part 2)
119	CHEMICAL- PLASTIC & RESINS	B stage resin impregnates insulating tapes & folium.	Mica	IEC 60371 (Part 2)
120	CHEMICAL- PLASTIC & RESINS	B stage resin impregnates insulating tapes & folium.	Polyester	IEC 60371 (Part 2)
121	CHEMICAL- PLASTIC & RESINS	B stage resin impregnates insulating tapes & folium.	Resin flow	IEC 60371 (Part 2)
122	CHEMICAL- PLASTIC & RESINS	B stage resin impregnates insulating tapes & folium.	Substance	IEC 60371 (Part 2)
123	CHEMICAL- PLASTIC & RESINS	B stage resin impregnates insulating tapes & folium.	Thickness	IEC 60371 (Part 2)
124	CHEMICAL- PLASTIC & RESINS	B stage resin impregnates insulating tapes & folium.	Volatile matter	IEC 60371 (Part 2)
125	CHEMICAL- PLASTIC & RESINS	Moulding micanite sheet	Binder content	IEC 60371 (Part 2)

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126	CHEMICAL- PLASTIC & RESINS	Moulding micanite sheet	Mica	IEC 60371 (Part 2)
127	CHEMICAL- PLASTIC & RESINS	Moulding micanite sheet	Mold ability	IS 2464
128	CHEMICAL- PLASTIC & RESINS	Moulding micanite sheet	Substance	IEC 60371 (Part 2)
129	CHEMICAL- PLASTIC & RESINS	Moulding micanite sheet	Volatile matter	IEC 60371 (Part 2)
130	CHEMICAL- PLASTIC & RESINS	Resin	Epoxide Equivalent	ISO 3001
131	CHEMICAL- PLASTIC & RESINS	Resin & Hardeners	Viscosity	ASTM D2196
132	CHEMICAL- PLASTIC & RESINS	Resin & Hardeners	Viscosity	ASTM D2196
133	ELECTRICAL- CABLES & WIRES	Cables - Paper, Rubber, Silicone, PVC, PTFE, XLPE insulated	Conductor resistance	IS 10810 (Part 5)
134	ELECTRICAL- CABLES & WIRES	Cables - Paper, Rubber, Silicone, PVC, PTFE, XLPE insulated	Electrical strength/ BDV	IS 10810 (Part 45)
135	ELECTRICAL- CABLES & WIRES	Cables - Paper, Rubber, Silicone, PVC, PTFE, XLPE insulated	Insulation Resistance (Volume & Surface resistivity)	IS 10810 (Part 43)
136	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Bare conductors, Silver, Copper, Brass, Aluminum and alloys	Conductivity (%IACS)	ASTM E 1004
137	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Electrical Conductors (Bare conductors, Silver, Copper, Brass, Aluminum and alloys etc.)	Resistivity (ohm.mm2 /m) Conductivity (MS/m))	ASTM B 193
138	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Electrical Conductors (Bare conductors, Silver, Copper, Brass, Aluminum and alloys etc.)	Resistivity (ohm.mm2 /m) Conductivity (mS/m))	IS 3635
139	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Enameled and varnished glass covered round and rectangular copper conductor	Heat Shock	IEC 60851 (Part 6)
140	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Enameled and varnished glass covered round and rectangular copper conductor	Adherence	IEC 60851 (Part 3)
141	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Enameled and varnished glass covered round and rectangular copper conductor	Break down voltage	IEC 60851 (Part 5)

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142	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled and varnished glass covered round and rectangular copper conductor	Resistivity (ohm.mm2 /m)	IS 3635
143	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Paper covered conductor, flexible, round, rectangular	Resistivity (ohm.mm2 /m)	IS 3635
144	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Polyester film mica, Kapton taped conductor	Heat shock	IEC 60851 (Part 6)
145	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Polyester film mica, Kapton taped conductor	Adherence	IEC 60851 (Part 3)
146	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Polyester film mica, Kapton taped conductor	Break down voltage	IEC 60851 (Part 5)
147	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Polyester film mica, Kapton taped conductor	Resistivity (ohm.mm2 /m)	IS 3635
148	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Carbon Brush	Milli Volt drop test	IS 13466
149	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Cotton, Glass, Woven Polyester, Rayon, Nylon, Nomex, Polyimide (Treated/ Untreated) Tape/ Sheet	Electrical strength	IS 2584
150	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Cotton, Glass, Woven Polyester, Rayon, Nylon, Nomex, Polyimide (Treated/ Untreated) Tape/ Sheet	Tensile/Breaking Strength	IS 1969 (Part 1)
151	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Cotton, Glass, Woven Polyester, Rayon, Nylon, Nomex, Polyimide (Treated/ Untreated) Tape/ Sheet	Tensile/Breaking Strength	IS 7809 (Part 2)
152	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Cotton, Glass, Woven Polyester, Rayon, Nylon, Nomex, Polyimide (Treated/ Untreated) Tape/ Sheet	Volume resistivity	IS 3396
153	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Cotton, Glass, Woven Polyester, Rayon, Nylon, Nomex, Polyimide (Treated/ Untreated) Tape/ Sheet	Water absorption	ASTM D 570
154	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical Insulators	Electric strength	IS 2584
155	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical Insulators	Electric strength	IS 9431

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156	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Epoxide glass fabric tube, glass filament wound epoxy bonded tube, FBR rods	Comparative tracking index	IS 2824
157	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Epoxide glass fabric tube, glass filament wound epoxy bonded tube, FBR rods	Electrical strength	IS 2584
158	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Epoxide glass fabric tube, glass filament wound epoxy bonded tube, FBR rods	Water absorption	ASTM D 570
159	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Epoxide glass fabric tube, glass filament wound epoxy bonded tube, FBR rods	Comparative tracking index	IEC 60112
160	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Glass and Polyimide Fibre Sheet /Tape	Volume resistivity	ASTM D 257
161	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil, PXE	Electrical strength	IS 6792
162	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil, PXE	Resistivity	IS 6103
163	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil, PXE	Tan delta (Dissipation factor)	IS 6262
164	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Kraft Paper/ Tissue Paper/ Creepe, Nomex	Electrical strength	IS 9335 (Part 2)
165	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Kraft Paper/ Tissue Paper/ Creepe, Nomex	Density	IS 9335 (Part 2)
166	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Kraft Paper/ Tissue Paper/ Creepe, Nomex	Hill count	IS 9335 (Part 3) Sec. 3
167	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Kraft Paper/ Tissue Paper/ Creepe, Nomex	Moisture contents	IS 9335 (Part 2)
168	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Kraft Paper/ Tissue Paper/ Creepe, Nomex	Substance	IS 9335 (Part 2)
169	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Kraft Paper/ Tissue Paper/ Creepe, Nomex	Tensile strength (Tensile Index)	IS 9335 (Part 2)

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170	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Kraft Paper/ Tissue Paper/ Creepe, Nomex	Thickness	IS 9335 (Part 2)
171	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Kraft Paper/ Tissue Paper/ Creepe, Nomex	Water absorption	IS 9335 (Part 2)
172	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Kraft Paper/ Tissue Paper/Crepe, Nomax	Elongation	IS 9335 (Part 2)
173	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Laminated Sheets and Mouldings (Phenolic, epoxy, Polyester, FRP, Polycarbonate, PTFE, Nylon)	Comparative-tracking index	IEC 60112
174	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Laminated Sheets and Mouldings (Phenolic, epoxy, Polyester, FRP, Polycarbonate, PTFE, Nylon)	Dissipation factor	ASTM D 150
175	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Laminated Sheets and Mouldings (Phenolic, epoxy, Polyester, FRP, Polycarbonate, PTFE, Nylon)	Comparative-tracking index	IS 2824
176	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Laminated Sheets and Mouldings (Phenolic, epoxy, Polyester, FRP, Polycarbonate, PTFE, Nylon)	Dissipation factor	IS 4486
177	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Laminated Sheets and Mouldings (Phenolic, epoxy, Polyester, FRP, Polycarbonate, PTFE, Nylon)	Electrical Strength	IS 1998
178	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Laminated Sheets and Mouldings (Phenolic, epoxy, Polyester, FRP, Polycarbonate, PTFE, Nylon)	Insulation Resistance	IS 1998
179	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Laminated Sheets and Mouldings (Phenolic, epoxy, Polyester, FRP, Polycarbonate, PTFE, Nylon)	Surface resistivity	IS 3396
180	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Laminated Sheets and Mouldings (Phenolic, epoxy, Polyester, FRP, Polycarbonate, PTFE, Nylon)	Tensile strength & Cross breaking	IS 1998
181	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Laminated Sheets and Mouldings (Phenolic, epoxy, Polyester, FRP, Polycarbonate, PTFE, Nylon)	Volume resistivity	IS 3396
182	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Laminated Sheets and Mouldings (Phenolic, epoxy, Polyester, FRP, Polycarbonate, PTFE, Nylon)	Water absorption	IS 1998
183	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Mica Paper Tape and Sheet	Electrical strength	IS 2584

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184	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Moulding, Micanite	Electrical strength	IS 2584
185	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Natrium treated PTFE Tape	Elongation at Break	IS 7809 (Part 2)
186	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Natrium treated PTFE Tape	Electrical strength	IS 2584
187	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Natrium treated PTFE Tape	Surface resistivity	IS 2259
188	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Natrium treated PTFE Tape	Tensile strength	IS 7809 (Part 2)
189	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Camber	IS 11298 (Part 2)
190	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Dissipation factor	IEC 60674 (Part 2)
191	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Electrical strength	IS 2584
192	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Shrinkage	IS 11298 (Part 2)
193	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Space factor	IEC 60674 (Part 2)
194	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Thickness	IS 11298 (Part 2)
195	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Volume resistivity	IEC 60674 (Part 2)
196	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Water absorption	ASTM D 570
197	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Tensile strength	IEC 60674 (Part 2)

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198	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Camber	IEC 60674 (Part 2)
199	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Dissipation factor	ASTM D 150
200	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Shrinkage	IEC 60674 (Part 2)
201	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Volume resistivity	ASTM D 257
202	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester film, PP film, Polyvinyl, Polyimide, adhesive / non adhesive	Elongation at Break	IEC 60674 (Part 2)
203	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester Glass Mat Sheet	Comparative tracking index	IEC 60112
204	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester Glass Mat Sheet	Dissipation factor	ASTM D 150
205	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester Glass Mat Sheet	Comparative tracking index	IS 2824
206	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester Glass Mat Sheet	Dissipation factor	IS 4486
207	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester Glass Mat Sheet	Electrical strength	IS 2584
208	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester Glass Mat Sheet	Insulation resistance	IS 1998
209	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polyester Glass Mat Sheet	Water absorption	IS 1998
210	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Compressibility	IEC 60763 (Part 2)
211	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Density	IEC 60763 (Part 2)

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212	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Density	IS 8570
213	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Electrical strength	IS 8570
214	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Moisture contents	IEC 60763 (Part 2)
215	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Moisture contents	IS 8570
216	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Oil Absorption	IEC 60763 (Part 2)
217	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Oil Absorption	IS 8570
218	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Shrinkage	IEC 60763 (Part 2)
219	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Shrinkage	IS 8570
220	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Tensile strength	IS 8570
221	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Compressibility	IEC 60641 (Part 2)
222	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Density	IEC 60641 (Part 2)
223	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Electrical strength	IEC 60641 (Part 2)
224	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Electrical strength	IEC 60763 (Part 2)
225	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Flexibility	IS 1576

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226	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Moisture contents	IEC 60641 (Part 2)
227	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Oil Absorption	IEC 60641 (Part 2)
228	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Shrinkage	IEC 60641 (Part 2)
229	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Press Board & Press Paper	Tensile strength	IEC 60641 (Part 2)
230	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PTFE Tape	Electrical strength	IS 2584
231	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PTFE Tape	Elongation at Break	IS 7809 (Part 2)
232	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PTFE Tape	Surface resistance	IS 2259
233	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PTFE Tape	Tensile strength	IS 7809 (Part 2)
234	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PVC Adhesive/ Non Adhesive Tape	Adhesion strength	IS 7809 (Part 2)
235	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PVC Adhesive/ Non Adhesive Tape	Electrical strength	IS 2584
236	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PVC Sheet Flexible	Tensile strength	IS 3400 (Part 1)
237	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PVC Sheet Flexible	Electrical strength	IS 2584
238	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PVC Sheet Flexible	Tensile strength	IS 6307
239	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PVC Sheet Flexible	Volume resistivity	IS 3396

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240	ELECTRICAL- INSULATING MATERIALS & INSULATORS	RTD, BTD	Insulation Resistance	IS 2848
241	ELECTRICAL- INSULATING MATERIALS & INSULATORS	RTD, BTD	HV Test	IS 2584
242	ELECTRICAL- INSULATING MATERIALS & INSULATORS	RTD, BTD	Lead pull test	TSD01083
243	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber mat sheet	Insulation resistance	IS 15652
244	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Ageing characteristics	IS 3400 (Part 6)
245	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Change in volume	IS 4253 (Part 2)
246	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Compressibility	IS 4253 (Part 2)
247	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Compression set	IS 3400 (Part 10) Sec. 1
248	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Elongation at Break	IS 3400 (Part 1)
249	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Flexibility	IS 4253 (Part 2)
250	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Hardness	IS 3400 (Part 2)
251	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Recovery	IS 4253 (Part 2)
252	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Side flow	BHEL SPEC AA 59802
253	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Surface resistivity	IS 3396

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254	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Tensile strength	IS 3400 (Part 1)
255	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork Sheet	Volume resistivity	IS 3396
256	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork, Rubber mat sheet	Electrical strength	IS 15652
257	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Rubber, Cork, Rubber mat sheet	Electrical strength	IS 2584
258	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Seasoned Hardwood/ UDEL Wood	Electrical strength	IEC 61061 (Part 2)
259	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Seasoned Hardwood/ UDEL Wood	Electrical strength	IS 1708 (Part 1)
260	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Sleeves	Electrical strength	IS 11654 (Part 2)
261	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Sleeves	Tensile strength	IS 11654 (Part 2)
262	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Sleeves	Water Absorption	ASTM D 570
263	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Space Heaters	HV Test	IS 302 (Part 2) Sec. 30
264	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Space Heaters	Insulation Resistance	IS 302 (Part 2) Sec. 30
265	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Space Heaters	Leakage current	IS 302 (Part 2) Sec. 30
266	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Space Heaters	Wattage	IS 302 (Part 2) Sec. 30
267	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Varnish , Paint & Enamel	Comparative tracking index	IEC 60112

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268	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Varnish , Paint & Enamel	Surface Resistivity	ASTM D 257
269	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Varnish , Paint & Enamel	Volume Resistivity	ASTM D 257
270	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Varnish , Paint & Enamel	Comparative tracking index	IS 2824
271	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Varnish , Paint & Enamel	Electric strength	IS 2584
272	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Varnish , Paint & Enamel	Surface Resistivity	IS 3396
273	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Varnish , Paint & Enamel	Volume Resistivity	IS 3396
274	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Total specific Iron losses (w/kg)	IEC 60404 (Part 3)
275	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Adherence Test	IS 649
276	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Ageing Test	IS 649
277	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Anisotropy of losses	IS 649
278	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Bend Test	IS 649
279	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Magnetic Polarization	IEC 60404 (Part 3)
280	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Magnetic Polarization	IS 649
281	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Stacking factor	IS 649
282	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Surface coating thickness	IS 649
283	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Surface Insulation resistivity	IS 649
284	ELECTRICAL- MAGNETIC MATERIALS	Magnetic sheet steel CRNGO, CRGO	Total specific Iron losses (w/kg)	IS 649

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285	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electrical machines(Transformers & Hydrogenerators)	Harmonic analysis of Electrical machines	IEC 60034 (Part 1)
286	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electrical machines(Transformers & Hydro generators)	Harmonic analysis of Electrical machines(Cl.12.2)	IS 7132
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	aluminium	% Elongation (A)	IS 1608 (Part 1)
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	aluminium	0.2% Proof stress, (Rp)	IS 1608 (Part 1)
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	aluminium	Tensile Strength (Rm)	IS 1608 (Part 1)
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper material alloys & products	% Elongation (A)	IS 1608 (Part 1)
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper material alloys & products	0.2% Proof stress, (Rp)	IS 1608 (Part 1)
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper material alloys & products	Bend test	IS 1599
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper material alloys & products	Brinell hardness test	IS1500 (Part 1)
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper material alloys & products	Tensile test (Rm)	IS 1608 (Part 1)
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper material alloys & products	Vickers Hardness Test (HV5)	IS 1501 (Part 1)
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	% Reduction in area	ASTM E8/E8M
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	% Elongation	ASTM E8/E8M
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	% Elongation (A)	IS 1608 (Part 1)

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299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	% Reduction in area,(Z)	IS 1608 (Part 1)
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	0.2% Proof stress, (Rp)	IS 1608 (Part 1)
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Bend test	IS 1599
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Rockwell (HRB scale)	IS 1586 (Part1)
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Rockwell (HRC scale)	IS 1586 (Part1)
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Tensile test	ASTM E8/E8M
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Tensile test (Rm)	IS 1608 (Part 1)
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Yield strength	ASTM E8/E8M
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Brinell hardness test	IS 1500 (Part1)
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Brinell hardness test	IS 1500 (Part1)
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Charpy Impact Test, V & U Notch	IS 1757 (Part 1)
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Impact Test Izod (Room temperature)	IS 1598
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Vickers Hardness Test (HV10)	IS 1501 (Part 1)
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials alloys & products	Vickers Hardness Test (HV30)	IS 1501 (Part 1)

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313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	silver	Vickers Hardness Test (HV5)	IS 1501 (Part 1)
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welds & welded test specimens	Bend test	ASME Section IX (QW-160)
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welds & welded test specimens	Tensile Strength (Rm)	ASME Section IX (QW-150)
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welds & welded test specimens	Charpy Impact Test (RT to -60 deg C)	ASME Section IX (QW-170)
317	MECHANICAL-METALLOGRAPHY TEST	Aluminium and aluminium alloy material and components	Micro structural analysis	ASM Handbook vol-9-
318	MECHANICAL-METALLOGRAPHY TEST	Case hardened components	Case depth -Microscopic method	IS-6416
319	MECHANICAL-METALLOGRAPHY TEST	Case hardened components	Case depth-Hardness survey method	IS-6416
320	MECHANICAL-METALLOGRAPHY TEST	Copper and copper alloy material and components	Micro structural analysis	ASM Handbook vol-9-
321	MECHANICAL-METALLOGRAPHY TEST	Copper and Copper Alloys	Mercurous nitrate	IS-2305
322	MECHANICAL-METALLOGRAPHY TEST	Ferrous	Macro Etch	ASTM E340
323	MECHANICAL-METALLOGRAPHY TEST	Ferrous material and components	Micro structural analysis	ASM Handbook vol-9
324	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	Inclusion content	ASTM E – 45-18A Method - A
325	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	Macro Etch	IS-11371
326	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and components	Grain size	ASTM E-112
327	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and components	Micro hardness Test (HV0.1)	IS:1501 Part-1
328	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous metal Alloys and components	Micro hardness Test (HV0.3)	IS:1501 Part-1
329	MECHANICAL-METALLOGRAPHY TEST	Other non ferrous material and components	Micro structural analysis	ASM Handbook vol-9-

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330	MECHANICAL- NOISE & VIBRATION	Rotating Machines	Vibration measurement on rotating electrical machines	IEC 60034-14
331	MECHANICAL- NOISE & VIBRATION	Rotating Machines	Vibration measurement on rotating electrical machines	IEC 60034-14
332	MECHANICAL- NOISE & VIBRATION	Rotating Machines	Vibration measurement on rotating electrical machines	IEC 60034-14
333	MECHANICAL- NOISE & VIBRATION	Rotating Machines	Vibration measurement on rotating electrical machines	IS 12075
334	MECHANICAL- NOISE & VIBRATION	Rotating Machines	Vibration measurement on rotating electrical machines	IS 12075
335	MECHANICAL- NOISE & VIBRATION	Transformers/Shunt reactors	Transformers/Shunt reactors Noise level measurement on transformers and reactors	IEC 60076-10
336	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Laminated pressboard	Flexural strength	IEC 60763 (Part 2)
337	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermosetting synthetic resin bonded laminated sheets	Compression Strength	IS 1998
338	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermosetting synthetic resin bonded laminated sheets	Cross breaking Strength	IS 1998
339	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermosetting synthetic resin bonded laminated sheets	Shear strength	IS 1998
340	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermosetting synthetic resin bonded laminated sheets	Tensile strength	IS 1998

SCOPE OF ACCREDITATION

Laboratory Name :	TESTING LABORATORIES, TECHNICAL SERVICES DIVISION, BHEL, TECHNICAL SERVICES DEPARTMENT, BHOPAL, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5480	**Page No**	22 of 22
Validity	13/10/2022 to 12/10/2024	**Last Amended on**	10/11/2022

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
Site Facility				
1	MECHANICAL- NOISE & VIBRATION	Rotating Machines	Vibration measurement on rotating electrical machines	IS 12075
2	MECHANICAL- NOISE & VIBRATION	Transformers/Shunt reactors	Transformers/Shunt reactors Noise level measurement on transformers and reactors	IEC 60076-10