National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RAICON LABS PVT. LTD., PLOT NO. 140, HSIIDC, RAI INDUSTRIAL AREA, SONIPAT, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 07/08/2022 to 06/08/2024 **Last Amended on** 02/09/2022

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
Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS -6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH value	IS-9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative density	IS-9103
6	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse)	Chloride	DIN EN-1744(P-1)
7	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse)	Dissolved Silica	IS-2386(P-7)
8	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse)	Reduction in Alkalinity	IS -2386(P-7)
9	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse)	Sulphate(as SO3)	DIN EN-1744(P-1)
10	CHEMICAL- BUILDING MATERIAL	aggregate (fine)	Chloride	DIN EN-1744(P-1)
11	CHEMICAL- BUILDING MATERIAL	Aggregate (fine)	Dissolved Silica	Is-2386(P-7)
12	CHEMICAL- BUILDING MATERIAL	Aggregate (fine)	Reduction in alkalinity	IS-2386(P-7)
13	CHEMICAL- BUILDING MATERIAL	aggregate (fine)	Sulphate	DIN EN-1744(P-1)
14	CHEMICAL- BUILDING MATERIAL	Bentonite	pH value	IS-6186
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)	Alumina(As Al2O3)	IS-4032
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)	Available Alkali as equivalent to(Na2O)	IS -4032
17	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)	Calcium oxide(as CaO)	IS-4032
18	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)	Chloride (as Cl)	IS -4032

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19	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)	Insoluble residue	IS-4032
20	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)	Iron oxide (as Fe2O3)	IS - 4032
21	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)	Loss Of Ignition	IS-4032
22	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)	Magnesia(As MgO)	IS-4032
23	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)	Silica(as SiO2)	IS-4032
24	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/PSC)	Sulphuric anhydride(as SO3)	IS-4032
25	CHEMICAL- BUILDING MATERIAL	Cement Concrete and mortar	Chloride as Cl	IS-14959(P-1)
26	CHEMICAL- BUILDING MATERIAL	Cement Concrete And Mortar	Sulphate as SO3	BS 1881 (P-124)
27	CHEMICAL- BUILDING MATERIAL	Ceramic Tiles	Resistance to Acid & Alkali	IS-13630(P-7 for glazed &P-8 for unglazed tiles)
28	CHEMICAL- BUILDING MATERIAL	Ceramic Tiles	Resistance to household chemicals and swimming pool water cleaners	IS-13630(P-8 for glazed and P-7 for unglazed tiles)
29	CHEMICAL- BUILDING MATERIAL	Ceramic Tiles	Resistance To Staining of glazed tiles	IS-13630(P-8)
30	CHEMICAL- BUILDING MATERIAL	Concrete	Rapid Chloride Ion Permeability Test	ASTM C-1202
31	CHEMICAL- BUILDING MATERIAL	Fly ash	Alumina(Al2O3)	IS-1727
32	CHEMICAL- BUILDING MATERIAL	Fly ash	Available alkali as equivalent to (Na2O)	IS 3812(P-1)
33	CHEMICAL- BUILDING MATERIAL	Fly ash	Chloride as Cl	IS 4032
34	CHEMICAL- BUILDING MATERIAL	Fly ash	Iron Oxide(Fe2O3)	IS-1727
35	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on ignition	IS 1727
36	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesia (as MgO)	IS -1727

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37	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica (as SiO2)	IS-1727
38	CHEMICAL- BUILDING MATERIAL	Fly ash	Total Sulphur (as SO3)	IS 1727
39	CHEMICAL- BUILDING MATERIAL	Silica Fume	Available alkalis (as Na2O)	IS-4032
40	CHEMICAL- BUILDING MATERIAL	Silica Fume	Loss Of Ignition	IS -1727
41	CHEMICAL- BUILDING MATERIAL	Silica Fume	Moisture	IS -15388
42	CHEMICAL- BUILDING MATERIAL	Silica Fume	Silica (as SiO2)	IS-1727
43	CHEMICAL- BUILDING MATERIAL	Soil	pH Value	IS -2720(P-26)
44	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	G.I. Metal	Zinc Coating	IS-6745
45	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Plain Carbon Steel	Carbon (as C)	IS-228 (P-1)
46	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Plain Carbon Steel	Chromium (as Cr)	IS 228 (P-6)
47	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Plain Carbon Steel	Manganese (as Mn)	IS 228 (P-2)
48	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Plain Carbon Steel	Nickel (as Ni)	IS 228 (P-5)
49	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Plain Carbon Steel	Phosphorous (as P)	IS 228 (P-3)
50	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Plain Carbon Steel	Silicon (as Si)	IS 228 (P-8)
51	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Plain Carbon Steel	Sulphur (as S)	IS 228 (P-9)
52	CHEMICAL- METALS & ALLOYS	Low alloy, mild steel and carbon	Carbon	ASTM E-415
53	CHEMICAL- METALS & ALLOYS	Low alloy, mild steel and carbon	Chromium	ASTM E-415
54	CHEMICAL- METALS & ALLOYS	Low alloy, mild steel and carbon	Copper	ASTM E-415

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55	CHEMICAL- METALS & ALLOYS	Low alloy, mild steel and carbon	Manganese	ASTM E-415
56	CHEMICAL- METALS & ALLOYS	Low alloy, mild steel and carbon	Nickel	ASTM E-415
57	CHEMICAL- METALS & ALLOYS	Low alloy, mild steel and carbon	Phosphorous	ASTM E-415
58	CHEMICAL- METALS & ALLOYS	Low alloy, mild steel and carbon	Silicon	ASTM E-415
59	CHEMICAL- METALS & ALLOYS	Low alloy, mild steel and carbon	Sulphur	ASTM E-415
60	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E-1086
61	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon (as C)	IS 228 (P-1)
62	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E-1086
63	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium (as Cr)	IS 228 (P-6)
64	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E-1086
65	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E-1086
66	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese (as Mn)	IS 228 (P-2)
67	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E-1086
68	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E-1086
69	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel (as Ni)	IS 228 (P-5)
70	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	ASTM E-1086
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (as P)	IS 228 (P-3)
72	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E-1086
73	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon (as Si)	IS 228 (P-8)

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74	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E-1086
75	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur (as S)	IS 228 (P-9)
76	CHEMICAL- POLLUTION & ENVIRONMENT	ETP/STP Water	Bio Chemical Demand (B.O.D)	IS-3025 (P-44)
77	CHEMICAL- POLLUTION & ENVIRONMENT	ETP/STP Water	Chemical Oxygen Demand (C.O.D)	IS-3025 (P-58)
78	CHEMICAL- POLLUTION & ENVIRONMENT	ETP/STP Water	Dissolved Oxygen	IS 3025 (P-38)
79	CHEMICAL- POLLUTION & ENVIRONMENT	ETP/STP Water	Oil & Grease	IS 3025 (P-39)
80	CHEMICAL- POLLUTION & ENVIRONMENT	ETP/STP Water	Total Suspended Solids	IS-3025 (P-17)
81	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	IS 3025 (P-34)
82	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	IS 3025 (P-40)
83	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (P-32)
84	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (P-4)
85	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 23th edition
86	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	IS 3025 (P-26)
87	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	IS 3025 (P-34)
88	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (P-5)
89	CHEMICAL- WATER	Drinking Water	pH value	IS 3025 (P-11)
90	CHEMICAL- WATER	Drinking Water	Sulphate (as SO4)	IS 3025 (P-24)
91	CHEMICAL- WATER	Drinking Water	Total Alkalinity (as CaCO3)	IS 3025 (P-23)
92	CHEMICAL- WATER	Drinking Water	Total Chromium (Cr)	IS 3025 (P-52)
93	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (P-16)
94	CHEMICAL- WATER	Drinking Water	Total Hardness (As CaCO3)	IS 3025 (P-21)
95	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (P-10)
96	CHEMICAL- WATER	Industrial Water	Ammonical Nitrogen	IS 3025 (P-34)
97	CHEMICAL- WATER	Industrial Water	Colour	IS 3025 (P-4)
98	CHEMICAL- WATER	Industrial Water	Odour	IS 3025 (P-5)
99	CHEMICAL- WATER	Industrial Water	pH Value	IS 3025 (P-11)

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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
100	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	IS 3025 (P-17)
101	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS-3025(P-32)
102	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	IS-3025(P-18)
103	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS-3025(P-18)
104	CHEMICAL- WATER	Water for construction purpose	pH	IS-3025(P-2)
105	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO3	IS-3025 (P-24)
106	CHEMICAL- WATER	Water for construction purpose	Total Suspended solids	IS-3025(P-17)
107	CHEMICAL- WATER	Water for construction purpose	Volume of 0.02 N-H2SO4 required to neutralize 100 ml of water using mixed indicator (Alkalinity)	IS-3025(P-22)
108	CHEMICAL- WATER	Water for construction purpose	Volume Of 0.02 N-NaOH required to neutralize 100 ml of water using Phenolphthaline indicator(Acidity)	IS-3025(P-22)
109	ELECTRICAL- CABLES & WIRES	PVC Insulaed Heavy Duty Cables	Halogen Acid Test	IS-10810 (P-59) & IS 694
110	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Ageing in air oven	IS 10810 (P-11) & IS 694
111	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Annealing Test of copper conductor	IS 10810 (P-1) & IS 694
112	ELECTRICAL- CABLES & WIRES	Pvc insulated cables	Cold Bend Test (Mandrel Dia - 3mm, 4.5mm, 6mm, 8mm, 9mm, 10mm, 12.5mm, 14mm, 15mm, 17mm, 18mm)	IS 10810 (P-20) & IS 694
113	ELECTRICAL- CABLES & WIRES	Pvc insulated Cables	Cold impact test	IS 10810 (P-21) & IS 694
114	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Conductor Resistance test	IS 10810 (P-5) & IS 694
115	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Flammability Test	IS 10810 (P-53) & IS 694
116	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Halogen Acid Test	IS 10810 (P-59) & IS-1554 (P-1)
117	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Heat Shock Test	IS 10810 (P-14) & IS 694
118	ELECTRICAL- CABLES & WIRES	pvc insulated cables	High voltage test(at room temp.)	IS 10810 (P-45) & IS 694

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119	ELECTRICAL- CABLES & WIRES	pvc insulated cables	High voltage test(water immersion AC)	IS 10810 (P-45) & IS 694
120	ELECTRICAL- CABLES & WIRES	pvc insulated cables	High voltage test(water immersion DC)	IS 10810 (P-45) & IS 694
121	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Hot Deformation Test	IS 10810 (P-15) & IS 694
122	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Insulation Resistance Test	IS 10810 (P-43) & IS 694
123	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Loss of mass in Air oven	IS 10810 (P-10) & IS 694
124	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Oxygen Index Test	IS 10810 (P-58) & IS 694
125	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Shrinkage Test	IS 10810 (P-12) & IS 694
126	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Tensile Strength and elongation at break	IS 10810 (P-7) & IS 694
127	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Tensile strength test for aluminium conductor	IS 10810 (P-2) & IS 694
128	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Test for overall Dimensions,Thickness of Insulation & sheath	IS 10810 (P-6) & IS 694
129	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Thermal Stability Test	IS 10810 (P-60) & IS 694
130	ELECTRICAL- CABLES & WIRES	pvc insulated cables	Volume Resistivity Test	IS 10810 (P-43) & IS 694
131	ELECTRICAL- CABLES & WIRES	pvc insulated cables	wrapping test for aluminium conductor	IS 10810 (P-3) & IS 694
132	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Ageing in AIr Oven	IS 10810 (P-11) & IS-1554 (P-1)
133	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Annealing test of copper conductor	IS 10810 (P-1) & IS-1554 (P-1)
134	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Conductor Resistance Test	IS 10810 (P-5) & IS-1554 (P-1)
135	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Flammability Test	IS 10810 (P-53) & IS-1554 (P-1)
136	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Heat shock Test	IS 10810 (P-14)

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137	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	High Voltage Test (at room temp.)	IS 10810 (P-45) & IS-1554 (P-1)
138	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	High Voltage Test (water immersion DC)	IS 10810(P-45)
139	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	High Voltage Test(water immersion AC)	IS 10810 (P-45) & IS-1554 (P-1)
140	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Hot Deformation Test	IS 10810 (P-15) & IS-1554 (P-1)
141	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Insulation Resistance Test	IS 10810 (P-43) & IS-1554 (P-1)
142	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Loss of mass in Air Oven	IS 10810 (P-10) & IS-1554 (P-1)
143	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Mass of Zinc coating	IS 10810 (P-41) & IS-1554 (P-1)
144	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Oxygen Index Test	IS 10810 (P-58) & IS-1554 (P-1)
145	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Resistivity Test	IS 10810 (P-42) & IS-1554 (P-1)
146	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Shrinkage Test	IS 10810 (P-12) & IS-1554 (P-1)
147	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Tensile Strength and elongation at break	IS 10810 (P-37) & IS-1554 (P-1)
148	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Tensile Strength And elongation at break	IS 10810 (P-7) & IS-1554 (P-1)
149	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Tensile Strength test for aluminium conductor	IS 10810 (P-2) & IS-1554 (P-1)
150	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Test for Overall Dimensions thickness of insulation and sheath	IS 10810 (P-6) & IS-1554 (P-1)
151	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Thermal Stability	IS 10810 (P-60) & IS-1554 (P-1)
152	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Torsion Test	IS 10810 (P-38) & IS-1554 (P-1)
153	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Volume Resistivity Test	IS 10810 (P-43) & IS-1554 (P-1)
154	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Winding Test	IS 10810 (P-39) & IS-1554 (P-1)

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155	ELECTRICAL- CABLES & WIRES	pvc insulated heavy duty cables	Wrapping Test for Aluminium conductor	IS 10810 (P-3) & IS-1554 (P-1)
156	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Aging in air oven	IS 10810 (P-11) & IS 7098 (P-1)
157	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Annealing Test of copper conductor	IS 10810 (P-1) & IS 7098 (P-1)
158	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Cold Bend Test (Mandrel Dia - 3mm, 4.5mm, 6mm, 8mm, 9mm, 10mm, 12.5mm, 14mm, 15mm, 17mm, 18mm)	IS 10810 (P-20)
159	ELECTRICAL- CABLES & WIRES	XlPE insulated pvc sheathed cables	Cold Impact Tset	IS 10810 (P-21) & IS 7098 (P-1)
160	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Conductor Resistance Test	IS 10810 (P-5) & IS 7098 (P-1)
161	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Flame Retardant Test	IS 10810 (P-61) & IS 7098 (P-1)
162	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Halogen Acid Test	IS 10810 (P-59) & IS 7098 (P-1)
163	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Heat Shock Test	IS 10810 (P-14) & IS 7098 (P-1)
164	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	High Voltage Test AC (at room temperature)	IS 10810 (P-45) & IS 7098 (P-1)
165	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Loss Of Mass in Air Oven	IS 10810 (P-10) & IS 7098 (P-1)
166	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Mass of zinc Coating	IS 10810 (P-41) & IS 7098 (P-1)
167	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Oxygen Index Test	IS 10810 (P-58) & IS 7098 (P-1)
168	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Resistivity Test	IS 10810 (P-42) & IS 7098 (P-1)
169	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Shrinkage Test	IS 10810 (P-12) & IS 7098 (P-1)
170	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Tensile Strength and Elongation at break	IS 10810 (P-37) & IS 7098 (P-1)
171	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Tensile Strength and Elongation at Break	IS 10810 (P-7) & IS 7098 (P-1)
172	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Tensile Strength Test For Aluminium Conductor	IS 10810 (P-2) & IS 7098 (P-1)

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173	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Test For overall Dimensions, Thickness of Insulation & sheath	IS 10810 (P-6) & IS 7098 (P-1)
174	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Thermal Stability Test	IS 10810 (P-60) & IS 7098 (P-1)
175	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Torsion Test	IS 10810 (P-38) & IS 7098 (P-1)
176	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Volume Resistivity Test	IS 10810 (P-43) & IS 7098 (P-1)
177	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Winding Test	IS 10810 (P-39) & IS 7098 (P-1)
178	ELECTRICAL- CABLES & WIRES	XLPE insulated pvc sheathed cables	Wrapping Test For Aluminium Conductor	IS 10810 (P-3) & IS 7098 (P-1)
179	ELECTRICAL- WIRING ACCESSORIES	Pvc Conduit Pipe	Bending Test at room Temperature	IS 9537 (P-3)
180	ELECTRICAL- WIRING ACCESSORIES	Pvc Conduit Pipe	Checking of Dimensions	IS 9537 (P-3)
181	ELECTRICAL- WIRING ACCESSORIES	Pvc Conduit Pipe	Collapse Test	IS 9537 (P-3)
182	ELECTRICAL- WIRING ACCESSORIES	Pvc Conduit Pipe	Compression Test	IS 9537 (P-3)
183	ELECTRICAL- WIRING ACCESSORIES	Pvc Conduit Pipe	Electrical Strength	IS 9537 (P-1 & P-3)
184	ELECTRICAL- WIRING ACCESSORIES	Pvc Conduit Pipe	Marking	IS 9537 (P-3)
185	ELECTRICAL- WIRING ACCESSORIES	Pvc Conduit Pipe	Resistance To Burning	IS 9537 (P-3)
186	ELECTRICAL- WIRING ACCESSORIES	Pvc Conduit Pipe	Resistance To Heat	IS 9537 (P-3)
187	ELECTRICAL- WIRING ACCESSORIES	Pvc Conduit Pipes	Impact Test	IS 9537 (P-3)
188	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441(P-5)
189	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Density	IS 6441 (P-1)
190	MECHANICAL- BUILDINGS MATERIALS	AAC BLOCK	Dimension - Length	IS 2185(P-3)

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191	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension - Width	IS 2185 (P-3)
192	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dry Shrinkage	IS 6441 (P-2)
193	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Dimension - Height	IS 2185 (P-3)
194	MECHANICAL- BUILDINGS MATERIALS	Admixture	Bleeding	IS 9103
195	MECHANICAL- BUILDINGS MATERIALS	Admixture	Compressive Strength	IS 516 (P-1/sec-1)
196	MECHANICAL- BUILDINGS MATERIALS	Admixture	Final Setting Time	IS 1199 (P-7)
197	MECHANICAL- BUILDINGS MATERIALS	Admixture	Flexural Strength	IS 516 (P-1/sec1)
198	MECHANICAL- BUILDINGS MATERIALS	Admixture	Flow	IS 9103
199	MECHANICAL- BUILDINGS MATERIALS	Admixture	Initial Setting Time	IS 1199 (P-7)
200	MECHANICAL- BUILDINGS MATERIALS	Admixture	Loss of Workability	IS 1199 (P-2)
201	MECHANICAL- BUILDINGS MATERIALS	Admixture	Slump	IS 1199 (P-2)
202	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water Content	IS 9103
203	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity at 60 °C	IS 1206 (P-2)
204	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
205	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point/Fire Point	IS 1448 (P-69)
206	MECHANICAL- BUILDINGS MATERIALS	Bitumen	kinematic Viscosity at 135 °C	IS 1206 (P-3)
207	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Matter Soluble in trichlorethylene	IS 1216
208	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at at 25 °C , 100g, 5s , 0.1mm	IS 1203
209	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205

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210	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
211	MECHANICAL- BUILDINGS MATERIALS	Bituminious Materials	Sieve Analysis	IS 2386 (P-1)
212	MECHANICAL- BUILDINGS MATERIALS	Bituminous Materials	Binder Content	IS 1195
213	MECHANICAL- BUILDINGS MATERIALS	Bituminous materials	Density	ASPHALT MS 2
214	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (P-1)
215	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Height	IS 13757
216	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Height	IS 1077
217	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Height	IS 12894
218	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Length	IS 1077
219	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Length	IS 13757
220	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Width	IS 1077
221	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Width	IS 12894
222	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Width	IS 13757
223	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension- Length	IS 12894
224	MECHANICAL- BUILDINGS MATERIALS	Bricks	Drying Shrinkage	IS 4139
225	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (P-3)
226	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (P-2)
227	MECHANICAL- BUILDINGS MATERIALS	Ceramic / Vitrified Tiles	Bulk Density	IS 13630 (P-2)
228	MECHANICAL- BUILDINGS MATERIALS	Ceramic / Vitrified Tiles	Hardness (Moh's Scale)	IS 13630 (P 13)

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229	MECHANICAL- BUILDINGS MATERIALS	Ceramic / Vitrified Tiles	Water Absorption	IS 13630 (P-2)
230	MECHANICAL- BUILDINGS MATERIALS	Ceramic /Vitrified Tiles	Breaking Strength	IS 13630 (P-6)
231	MECHANICAL- BUILDINGS MATERIALS	Ceramic /Vitrified Tiles	Crazing Resistance	IS 13630 (P-9)
232	MECHANICAL- BUILDINGS MATERIALS	Ceramic /Vitrified Tiles	Dimension - Length	IS 13630 (P-1)
233	MECHANICAL- BUILDINGS MATERIALS	Ceramic /Vitrified Tiles	Dimension - Thickness	IS 13630 (P-1)
234	MECHANICAL- BUILDINGS MATERIALS	Ceramic /Vitrified Tiles	Surface Quality	IS 13630 (P-1)
235	MECHANICAL- BUILDINGS MATERIALS	Ceramic Vitrified Tiles	Resistance to Thermal Shock	IS 13630 (P-5)
236	MECHANICAL- BUILDINGS MATERIALS	Ceramic/ Vitrified Tile	Modulus of Rupture	IS 13630 (P-6)
237	MECHANICAL- BUILDINGS MATERIALS	Ceramic/Vitrified Tiles	Dimension - Width	IS 13630 (P-1)
238	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% fine value	IS 2386 (P-4)
239	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (P-4)
240	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (P-3)
241	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (P-4)
242	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (P-1)
243	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (P-1)
244	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (P-4)
245	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis:- IS Sieve for 63mm Agg (80, 63, 40, 20, 10)mm 40mm Agg (63, 40, 20, 10)mm 20mm Agg (40, 20,10, 4.75)mm 16mm Agg (20,16,10, 4.75)mm 12.5mm Agg (16, 12.5, 10, 4.75)mm 10mm Agg (12.5, 10, 4.75, 2.36)mm	IS-2386 (P-1)

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246	MECHANICAL- BUILDINGS MATERIALS	coarse aggregate	Soundness by MgSo4	IS 2386 (p-5)
247	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2So4	IS 2386 (P-5)
248	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (P-3)
249	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material a)	IS 2386 (P-2)
250	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (P-3)
251	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516 (P-1/sec-1)
252	MECHANICAL- BUILDINGS MATERIALS	Concrete	Drying Shrinkage	IS 516 (P-6)
253	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516 (P-1/Sec-1)
254	MECHANICAL- BUILDINGS MATERIALS	Concrete	Moisture Movement	IS 516 (P-6)
255	MECHANICAL- BUILDINGS MATERIALS	Concrete	Permeability to water	IS 516 (P-2/Sec-1)
256	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump	IS 1199 (P-2)
257	MECHANICAL- BUILDINGS MATERIALS	Concrete	Split Tensile	IS 516 (P-1/Sec-1)
258	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	% Finer than 75 miron	IS 2386 (P-2)
259	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (by Roded and loose)	IS 2386 (P-3)
260	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (P-3)
261	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (P-2)
262	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10, 4.75, 2.36, 1.18, 0.600, 0.300, 0.150)mm	IS 2386 (P-1)
263	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness Na2So4	IS 2386 (P-5)
264	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (P-3)

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265	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Surface Moisture	IS 2386 (P-3)
266	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Material	IS 2386 (P-1&2)
267	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (P-3)
268	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness MgSO4	IS-2386 P-5
269	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength 28 days	IS 1727
270	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness (by dry Sieving Method)	IS 1727
271	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blaine Air Permeability method	IS 1727
272	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity - Avg Comp Strength	IS 1727
273	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle Retained on 45 micron IS Sieve (wet sieving)	IS 1727
274	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Autoclave Test Method	IS 4031 (P-3)
275	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
276	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC / PSC	Compressive Strength	IS 4031 (P-6)
277	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC / PSC	Consistency	IS 4031 (P-4)
278	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC / PSC	Final Setting Time	IS 4031 (P-5)
279	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC / PSC	Fineness by Blaine air permeability method	IS 4031 (P-2)
280	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC / PSC	Initial Setting Time	IS 4031 (P-5)
281	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC / PSC	Soundness by Le-Chatlier Method	IS 4031 (P-3)
282	MECHANICAL- BUILDINGS MATERIALS	OPC /PPC /PSC	Soundness by Autoclave Test Method	IS 4031 (P-3)
283	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Compressive strength (using Prism)	IS 4031 (P-8)

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284	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Density	IS 4031 (P-11)
285	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Drying Shrinkage	IS 4031 (P-10)
286	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Transverse Strength	IS 4031 (P-8)
287	MECHANICAL- BUILDINGS MATERIALS	Silica Fumes	Compressive Strength at 7 days as % of control sample	IS 1727
288	MECHANICAL- BUILDINGS MATERIALS	Silica Fumes	Particle retained on 45 micron IS Sieve	IS 1727
289	MECHANICAL- BUILDINGS MATERIALS	Silica Fumes	Specific Gravity	IS 1727
290	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Compressive Strength	IS 2185 (P-1)
291	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Density	IS 2185 (P-1)
292	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Dimension - Height	IS 2185 (P-1)
293	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Dimension - Length	IS 2185 (P-1)
294	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Dimension - Width	IS 2185 (P-1)
295	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Drying Shrinkage	IS 2185 (P-1)
296	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Moisture Movement	IS 2185 (P-1)
297	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Water Absorption	IS 2185 (P-1)
298	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Compressive Strength	IS 4031 (P-6)
299	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Final Setting Time	IS 4031 (P-5)
300	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Initial Setting Time	IS 4031(P-5)
301	MECHANICAL- BUILDINGS MATERIALS	Water stopper	Change in hardness at 7 days (Shore A)	IS 15058
302	MECHANICAL- BUILDINGS MATERIALS	Water Stopper	Cold Bend Temperature	IS 9766

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303	MECHANICAL- BUILDINGS MATERIALS	Water stopper	Dimension - Thickness	IS 15058
304	MECHANICAL- BUILDINGS MATERIALS	Water Stopper	Dimension change at 7 days	IS 15058
305	MECHANICAL- BUILDINGS MATERIALS	Water stopper	Elongation	IS 13360 (P-5/Sec 1)
306	MECHANICAL- BUILDINGS MATERIALS	Water stopper	Elongation (Accelerated)	IS 15058
307	MECHANICAL- BUILDINGS MATERIALS	Water stopper	Hardness Shore A	IS 13360 (P-5/ Sec -11)
308	MECHANICAL- BUILDINGS MATERIALS	Water stopper	Tensile Strength	IS 13360 (P-5/Sec-1)
309	MECHANICAL- BUILDINGS MATERIALS	Water stopper	Tensile strength (Accelerated)	IS 15058
310	MECHANICAL- BUILDINGS MATERIALS	Water stopper	Water Absorption	IS 15058
311	MECHANICAL- BUILDINGS MATERIALS	Water stopper	Weight increase /decrease at 28 days	IS 15058
312	MECHANICAL- BUILDINGS MATERIALS	Water stopper	Weight increase/ decrease at 7 days	IS 15058
313	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Bend Test	IS 280
314	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel / Structural Steel	Bend Test (Mandrel Dia - 20,32, 40, 50, 60,72, 100,112,128,140,150,175)	IS 1599
315	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Dimension - Depth	IS 4923
316	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Dimension - Outside diameter	IS 1161
317	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced steel / structural steel	Dimension - Thickness	IS 1730
318	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced steel / structural steel	Dimension - Thickness	IS 4923

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319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / structural steel	Dimension - Thickness	IS 808
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Dimension - Wall thickness	IS 1161
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Dimension - Width	IS 4923
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural Steel	Dimension - Width	IS 808
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Dimension (Dia or wire)	IS 280
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Dimension Diameter	IS 1732
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Mass of completed barbed wire, g/m	IS 278
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / structural steel	Mass per meter	IS 1730
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / structural steel	Mass per meter	IS 1732
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Mass per meter	IS 808
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel / Structural Steel	Rebend Test (Mandrel Dia - 56,84,96,140,176,200,256,288)	IS 1786
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel / Structural Steel	Total Elongation at maximum force	IS 1608 (P-1)
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel / Structural Steel	TS/YS ratio	IS 1608 (P-1)
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Weight	IS 1161

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333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel / Structural steel	Wrapping Test	IS 1755
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel / Structural Steel	Yield Load/ 0.2 % Proof Load	IS 1608 (P-1)
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel /Structural Steel	Thickness	IS 1732
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel /Structural Steel	Yield Stress/0.2 % Proof Stress	IS 1608 (P-1)
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	REINFORCED STEEL/ STRUCTURAL STEEL	Dimension (Dia of Strand)	IS 14268
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel/ Structural steel	Dimension (Dia of wire)	IS 278
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel/ Structural Steel	Elongation	IS 1608 (P-1)
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel/ structural steel	Length of Lay	IS 14268
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	REINFORCED STEEL/ STRUCTURAL STEEL	Location of Failure	IS 16172
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	REINFORCED STEEL/ STRUCTURAL STEEL	Mass of Strand	IS 14268
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	REINFORCED STEEL/ STRUCTURAL STEEL	Rockwell Hardness B	IS 1586 (P-1)
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	REINFORCED STEEL/ STRUCTURAL STEEL	Rockwell Hardness C	IS 1586 (P-1)
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	REINFORCED STEEL/ STRUCTURAL STEEL	Static Tensile strength	IS 1608 (P-1)
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel/ Structural Steel	Tensile strength	IS 1608 (P-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
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel/Structural Steel	Length of Coupler	IS 16172
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel/Structural Steel	Mass per meter	IS-1786
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structural Steel	Breaking strength of strand	IS 1608 (P-1)
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structural Steel	Dimension - Outside diameter	IS 1239 (P-1)
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structural steel	Mass of Tube	IS 1239 (P-1)
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel /Structural Steel	Dimension - Thickness	IS 1239 (P-1)
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel /Structural steel	Weight	IS 4923
354	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE PIPE	Melt Flow Rate (MFR)	IS 2530
355	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE PIPE	Visual Appearance	IS 14333
356	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE PIPE	Visual Apperance	IS 4984
357	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC / CPVC /HDPE PIPE	Density	IS 12235 (P-14)
358	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC / CPVC /HDPE PIPE	Elongation	IS-12235
359	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC / CPVC /HDPE PIPE	Flattening Test	IS 12235 (P-19)
360	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC / CPVC /HDPE PIPE	Opacity	IS 12235 (P-3)
361	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC / CPVC /HDPE PIPE	Outer Diameter	IS 12235 (P-1)
362	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC / CPVC /HDPE PIPE	Reversion Test	IS 12235(P-5/ Sec 1)

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363	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC / CPVC /HDPE PIPE	Tensile Strength	IS 12235 (P-13)
364	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC / CPVC /HDPE PIPE	Wall Thickness	IS 12235 (P-1)
365	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC PIPE	Visual Appearance	IS 4985
366	MECHANICAL- SOIL AND ROCK	Bentonite	Gel Formation index	IS 6186
367	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
368	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
369	MECHANICAL- SOIL AND ROCK	Drilling Mud (Bentonite)	Density of Bentonite solution	ASTM D 4380
370	MECHANICAL- SOIL AND ROCK	Drilling Mud (Bentonite)	Liquid Limit	IS 2720 (P-5)
371	MECHANICAL- SOIL AND ROCK	Drilling Mud (Bentonite)	Sand Content	IS 6186
372	MECHANICAL- SOIL AND ROCK	Drilling Mud (Bentonite)	Swelling Index	IS 2720 (P-40)
373	MECHANICAL- SOIL AND ROCK	Granite Stone	Compressive Strength	IS 1121(P-1)
374	MECHANICAL- SOIL AND ROCK	Granite Stone	Dry Density	IS 13030
375	MECHANICAL- SOIL AND ROCK	Granite Stone	Hardness (Moh's)	IS 13630 (P-13)
376	MECHANICAL- SOIL AND ROCK	Granite Stone	Moisture Content	IS 13030
377	MECHANICAL- SOIL AND ROCK	Granite Stone	Porosity	IS 1124
378	MECHANICAL- SOIL AND ROCK	Granite Stone	Resistance to wear	IS 1706
379	MECHANICAL- SOIL AND ROCK	Granite Stone	Specific Gravity	IS 1122 & 1124
380	MECHANICAL- SOIL AND ROCK	Granite Stone	Tensile Strength	IS 1121 (P-3)
381	MECHANICAL- SOIL AND ROCK	Granite Stone	Water Absorption	IS 1124

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382	MECHANICAL- SOIL AND ROCK	Sand Stone (Slabs and Tiles)	Transverse Strength	IS 1121 (P-2)
383	MECHANICAL- SOIL AND ROCK	Sand stone (slab and Tiles)	Width	IS 3622
384	MECHANICAL- SOIL AND ROCK	Sand Stone (Slabs and Tiles)	Dimension - Length	IS 3622
385	MECHANICAL- SOIL AND ROCK	Sand Stone (Slabs and Tiles)	Resistance to wear	IS 1706
386	MECHANICAL- SOIL AND ROCK	Sand Stone (Slabs and Tiles)	Thickness	IS 3622
387	MECHANICAL- SOIL AND ROCK	Sand Stone (Slabs and Tiles)	Water Absorption	IS 1124
388	MECHANICAL- SOIL AND ROCK	Soil	Angle of internal Friction	2720(P-11)
389	MECHANICAL- SOIL AND ROCK	Soil	Cohesion, C	2720 (P-12)
390	MECHANICAL- SOIL AND ROCK	Soil & Clay	Consolidation Test (Cv)	IS-2720 P-15
391	MECHANICAL- SOIL AND ROCK	Soil & Clay	Permeability	IS-2720 P-17
392	MECHANICAL- SOIL AND ROCK	Soil and Granular material	C.B.R (Soaked)	IS 2720 (P-16)
393	MECHANICAL- SOIL AND ROCK	Soil and Granular material	C.B.R (Un-soaked)	IS 2720 (P-16)
394	MECHANICAL- SOIL AND ROCK	Soil and Granular Material	Free Swell Index	IS 2720 (P-40)
395	MECHANICAL- SOIL AND ROCK	Soil and Granular Material	Grain Size Analysis	IS 2720 (P-4)
396	MECHANICAL- SOIL AND ROCK	Soil and Granular material	Liquid Limit	IS 2720 (P-5)
397	MECHANICAL- SOIL AND ROCK	Soil and Granular Material	Maximum Dry Density	IS 2720 (P-7)
398	MECHANICAL- SOIL AND ROCK	Soil and Granular Material	Maximum Dry Density	IS 2720 (P-8)
399	MECHANICAL- SOIL AND ROCK	Soil and Granular material	Moisture Content	IS 2720 (P-2)
400	MECHANICAL- SOIL AND ROCK	Soil and Granular Material	Optimum Moisture Content	IS 2720 (P-7)

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401	MECHANICAL- SOIL AND ROCK	Soil and Granular Material	Optimum Moisture Content	IS 2720 (P-8)
402	MECHANICAL- SOIL AND ROCK	Soil and Granular material	Plastic Limit	IS 2720 (P-5)
403	MECHANICAL- SOIL AND ROCK	Soil and Granular material	Specific Gravity	is 2720 (P-3/Sec-1&2)
404	MECHANICAL- SOIL AND ROCK	Soil and Granular Materials	Direct Shear Test - Angle of Internal Friction	IS 2720 (P-13)
405	MECHANICAL- SOIL AND ROCK	Soil and Granular Materials	Direct Shear Test - Cohesion (C)	IS 2720 (P-13)
406	MECHANICAL- SOIL AND ROCK	Stone Marble (Blocks, Slabs and tiles)	Width	IS 1130
407	MECHANICAL- SOIL AND ROCK	Stone Marble (Blocks, Slabs and tiles)	Dimension - Length	IS 1130
408	MECHANICAL- SOIL AND ROCK	Stone marble (Blocks, Slabs and Tiles)	Hardness (Moh's Scale)	IS 13630 (P-13)
409	MECHANICAL- SOIL AND ROCK	Stone marble (Blocks, Slabs and Tiles)	Moisture absorption after 24 hrs immersion in Cold Water	IS 1124
410	MECHANICAL- SOIL AND ROCK	Stone marble (Blocks, Slabs and Tiles)	Specific Gravity	IS 1122
411	MECHANICAL- SOIL AND ROCK	Stone Marble (Blocks, Slabs and Tiles)	Thickness	IS 1130

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (NH3)	SOP-RLPL/QSL/5.4.6/07
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Alr	Oxidants (O3)	IS-5182(P-9)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Alr	Oxides of Nitrogen (NO2)	IS-5182(P-6)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particular Matter(PM10)	IS-5182(P-23)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particular Matter(PM2.5)	SOP-RLPL/QSL/5.4.6/04
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS-5182(P-2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Suspended Particulate Matter	IS-5182(P-4)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Level	Ambient Noise	IS-9989
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Air	Ammonia (NH3)	IS-11255(P-6)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Alr	Carbon disulphide	IS-11225(P-4)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Air	Flue Velocity	IS-11255(P-3)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Air	Hydrogen Sulphide	IS-11225(P-4)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Air	Oxides of Nitrogen(NO2)	IS-11255(P-7)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Air	Particular Matter	IS-11255(P-1)
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Air	Sulphur Dioxide (SO2)	IS-11255(P-2)
16	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS-1888
17	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS-2131
18	MECHANICAL- SOIL AND ROCK	Soil & Clay	Permeability	IS-2720 P-17

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19	MECHANICAL- SOIL AND ROCK	Soil Compaction Test	Degree of Compaction Test	IS -2720 P 29
20	MECHANICAL- SOIL AND ROCK	Soil Compaction Test	Degree of compaction Test	IS-2720 P-28