National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : M.E. TESTING LAB PVT LTD., PLOT NO.78, UDYOG KENDRA, EXTN.1, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

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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- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Aggregates	Alkali Reactivity	IS 2386 (Part 7)
7	CHEMICAL- BUILDING MATERIAL	Aggregates	Chloride	IS:4032
8	CHEMICAL- BUILDING MATERIAL	Aggregates	Organic Impurities	IS:2386 (Part-2)
9	CHEMICAL- BUILDING MATERIAL	Aggregates	Sulphate as SO3	IS:4032
10	CHEMICAL- BUILDING MATERIAL	Bentonite	Loss on Ignition	IS: 6186
11	CHEMICAL- BUILDING MATERIAL	Bentonite	Matter Soluble in Water	IS: 6186
12	CHEMICAL- BUILDING MATERIAL	Bentonite	pH	IS:6186
13	CHEMICAL- BUILDING MATERIAL	Cement OPC	Alumina	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement OPC	Calcium Oxide	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement OPC	Iron Oxide	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement OPC	Silica (as SiO2)	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement OPC/PPC	Chloride	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement OPC/PPC	Insoluble Residue	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	Cement OPC/PPC	Loss on Ignition	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Cement OPC/PPC	Magnesia	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Cement OPC/PPC	Potasium Oxide	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Cement OPC/PPC	Sodium Oxide	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Cement OPC/PPC	Sulphuric Anhydride	IS 4032
24	CHEMICAL- BUILDING MATERIAL	Ceramic Tiles	Resistance to household chemicals and swimming Pool water cleaners	IS: 13630 (Part 8)
25	CHEMICAL- BUILDING MATERIAL	Ceramic Tiles	Resistance to staining of glazed tiles	IS: 13630 (Part-8)
26	CHEMICAL- BUILDING MATERIAL	Ceramics tiles	Resistance to acids and alkalis	IS: 13630 (Part-8)
27	CHEMICAL- BUILDING MATERIAL	Concrete/ Cement Mortar	Chloride as Cl	IS 14959
28	CHEMICAL- BUILDING MATERIAL	Concrete/ Cement Mortar	Sulpate as SO3	BS 1881-Pt-124
29	CHEMICAL- BUILDING MATERIAL	Fly ash	Alumina + Iron Oxide	IS 1727
30	CHEMICAL- BUILDING MATERIAL	Fly ash	Available Alkalies as Sodium	IS 3812
31	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on ignition	IS 1727
32	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesia Oxide	IS 1727
33	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica	IS 1727
34	CHEMICAL- BUILDING MATERIAL	Fly ash	Sulphuric Anhydride	IS 1727
35	CHEMICAL- BUILDING MATERIAL	Fly ash	Total Chloride	IS 4032
36	CHEMICAL- BUILDING MATERIAL	Silica Fume	Available Alkalies as Sodium Oxide	IS 1727

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37	CHEMICAL- BUILDING MATERIAL	Silica Fume	Loss on Ignition	IS 1727
38	CHEMICAL- BUILDING MATERIAL	Silica Fume	Moisture Content	IS 1727
39	CHEMICAL- BUILDING MATERIAL	Silica Fume	Silicon Dioxide	IS 1727
40	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Galvanized Steel	Zinc Coating	IS 6745
41	CHEMICAL- METALS & ALLOYS	High Strength Deformed Steel Bars	Carbon	IS 228 (Part 1)
42	CHEMICAL- METALS & ALLOYS	High Strength Deformed Steel Bars	Manganese	IS 228 (Part 2)
43	CHEMICAL- METALS & ALLOYS	High Strength Deformed Steel Bars	Phosphorus	IS 228 (Part 3)
44	CHEMICAL- METALS & ALLOYS	High Strength Deformed Steel Bars	Silicon	IS 228 (Part 8)
45	CHEMICAL- METALS & ALLOYS	High Strength Deformed Steel Bars	Sulphur	IS 228 (Part 9)
46	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon as C	IS:228 (Part-1)
47	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS:228 (Part 2)
48	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS:228 (Part-5)
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous as P	IS: 228 (Part 3)
50	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS: 228 (Part-8)
51	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS: 228 (Part-9)
52	CHEMICAL- SOIL AND ROCK	Soil	E Conductivity	IS 14767
53	CHEMICAL- SOIL AND ROCK	Soil	Soluble Solids	IS: 2720 (Part 21)
54	CHEMICAL- SOIL AND ROCK	Soils	Calcium Carbonates	IS: 2720 (Part 23)

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55	CHEMICAL- SOIL AND ROCK	Soils	Organic Matter	IS: 2720 (Part 22)
56	CHEMICAL- SOIL AND ROCK	Soils	pH	IS:2720 (Part 26)
57	CHEMICAL- SOIL AND ROCK	Soils	Soluble Chloride	BS 1377 Pt -3
58	CHEMICAL- SOIL AND ROCK	Soils	Soluble Sulphate	IS: 2720 (Part 27)
59	CHEMICAL- WATER	Construction Water	Acidity (Quantity of 0.02N NaOH required to neutralize 100 ml of water using phelolphthalene indicator)	IS 3025 (Part - 22)
60	CHEMICAL- WATER	Construction Water	Chloride as Cl	IS 3025 (Part 32)
61	CHEMICAL- WATER	Construction water	Limit of Alkalinity (Quantity of 0.02N H_2SO_4 required to Neutralize 100ml of water using mixed indicator)	IS 3025 (Part 23)
62	CHEMICAL- WATER	Construction Water	Non Volatile (Inorganic)	IS 3025 (Part 18)
63	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
64	CHEMICAL- WATER	Construction Water	Sulphate as SO_3	IS 3025 (Part 24/Sec 1)
65	CHEMICAL- WATER	Construction Water	Total Suspended Solid	IS 3025 (Part 17)
66	CHEMICAL- WATER	Construction Water	Volatile (Organic)	IS 3025 (Part 18)
67	CHEMICAL- WATER	Drinking Water	Acidity	IS:3025 (Part 22)
68	CHEMICAL- WATER	Drinking Water	Alkanity	IS:3025 (Part 23)
69	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part-40)
70	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 32)
71	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
72	CHEMICAL- WATER	Drinking Water	Fluoride	IS 3025 (Part-60)
73	CHEMICAL- WATER	Drinking Water	Iron	IS:3025 (Part 53)
74	CHEMICAL- WATER	Drinking Water	Magnesium	IS:3025 (Part 46)
75	CHEMICAL- WATER	Drinking Water	Non Volatile (Inorganic)	IS:3025 (Part 18)
76	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
77	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
78	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24/sec1)

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79	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
80	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part 21
81	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS: 3025 (Part 17)
82	CHEMICAL- WATER	Drinking Water	Volatile (Organic)	IS:3025(Part 18)
83	CHEMICAL- WATER	Waste Water/Surface & Ground water/ STP water	Biochemical oxygen demand	IS:3025 Part -44
84	CHEMICAL- WATER	Waste Water/Surface & Ground water/ STP water	Chemical Oxygen Demand	IS:3025 Part - 58
85	CHEMICAL- WATER	Waste Water/Surface & Ground water/ STP water	Dissolved Oxygen	IS: 3025 Part 38
86	CHEMICAL- WATER	Waste Water/Surface & Ground water/ STP water	Oil & Grease	IS 3025 Part -39
87	CHEMICAL- WATER	Waste Water/Surface & Ground water/ STP water	pH	IS: 3025 Part -11
88	CHEMICAL- WATER	Waste Water/Surface & Ground water/ STP water	Total Suspended Solids	IS: 3025 Part 17
89	MECHANICAL- BUILDINGS MATERIALS	AAC	Thermal Conductivity	IS 3346
90	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Moisture Content	IS 6441 Part 1
91	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441 Part 5
92	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Density	IS: 6441 Part 2
93	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Drying Shrinkage	IS 6441 part 2
94	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Height	IS:2185 Part 3
95	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Length	IS:2185 Part 3
96	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Thickness	IS: 2185 Part 3
97	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Fineness (Dry Sieving & wet Sieving)	IS: 6186
98	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Moisture	IS 6186
99	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Sand content	IS 6186
100	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS : 1206 Part 2
101	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility Test	IS: 1208

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102	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Elastic Recovery	IS: 1209
103	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS1448 Part 69
104	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS: 1206 Part 3
105	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss in weight	IS : 9382
106	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS : 212
107	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Miscibility with water	IS: 8887, Annex H
108	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25°C	IS 1203
109	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS:1205
110	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS: 1202
111	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Storage stability after 24 hour	IS 8887
112	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Water Content	IS:1211
113	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	% Air Voids	MS 2
114	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	% Voids Filled with Bitumen (VFB)	MS-2
115	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	% Voids in minral Aggregate (VMA)	MS-2
116	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bitumen Content	IRC SP 11
117	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bulk Specific gravity	ASTM D2726
118	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D2726
119	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D6927/MS-2
120	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927/MS-2

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121	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Sieve Analysis (Sieve Sizes: 45mm, 37.5mm, 26.5mm, 19.0mm, 13.2mm, 9.5mm, 4.75mm, 2.36mm, 1.18mm, 0.600mm, 0.300mm, 0.150mm, 0.075mm)	IS: 2386 Part 1
122	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Theoretical Maximum Specific gravity (Gmm)	ASTM -D 2041
123	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Compressive Strength	IS 1121 (Part-1)
124	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Scratch Hardness	IS: 13630 Part 13
125	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Specific Gravity	IS 1122 (Part 1)
126	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Transverse Strength	IS : 1121 Part 2
127	MECHANICAL- BUILDINGS MATERIALS	Building Stone	True porosity	IS: 1124
128	MECHANICAL- BUILDINGS MATERIALS	Building Stone	Water Absorption	IS 1124 (Part1)
129	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Fly ash Brick	Dimensions (Height)	IS 1077
130	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/Fly ash Brick	Compressive Strength	IS 3495 (Part -1)
131	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/Fly ash Brick	Dimension (Length)	IS 1077
132	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/Fly ash Brick	Dimension (Width)	IS:1077
133	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/Fly ash Brick	Efflorescence	IS 3495
134	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/Fly ash Brick	Water Absorption	IS:3495 (Part-2)
135	MECHANICAL- BUILDINGS MATERIALS	Cement OPC /PPC	Density	IS 4031 (Part 11)
136	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/ PPC	Fineness By Dry Sieving Method	IS: 4031 (Part 1)
137	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Compressive Strength	IS 4031(Part-6)

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138	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Consistency	IS 4031 (part-4)
139	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Final Setting Time	IS 4031 (Part-5)
140	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Fineness By Blaine's Air Permeability Method	IS 4031 (Part 2)
141	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Initial Setting Time	IS 4031 (Part -5)
142	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Soundness (Autoclave Expansion)	IS 4031 (Part-3)
143	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Soundness (Le-Chatelier Expansion)	IS 4031(Part-3)
144	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile/ Verified Tiles	Abrasion Resistance	IS 13630 Part 11& Part 12
145	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile/ Verified Tiles	breadth	IS 13630 : Part 1
146	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile/ Verified Tiles	Breaking Strength	IS: 13630 (Part 6)
147	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile/ Verified Tiles	Length	IS: 13630 (Part 11 & Part 12)
148	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile/ Verified Tiles	Modulus of Rapture	IS 13630 (Part-6)
149	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile/ Verified Tiles	Thickness	IS 13630 : Part 1
150	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile/ Verified Tiles	Water Absorption	IS 13630(part 2)
151	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fine value	IS 2386 (Part -4)
152	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part -4)
153	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part-3)
154	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (part 4)
155	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
156	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)

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157	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part -4)
158	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Moisture Content	IS 2386 (Part-3)
159	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Petrography	IS:2386 Part -8
160	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis(sieve size 1.75 mm - 80 mm)	IS2386(Part 1)
161	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (by MgSO4 & Na2SO4)	IS 2386(Part-5)
162	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part-3)
163	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stone Polishing Value	IS: 2386 Part 4
164	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material	IS 2386 (Part-1&2)
165	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part-3)
166	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Colour Appearance	ASTM C 309
167	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Density	ASTM C 309
168	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Surface Drying Time	ASTM C 309
169	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
170	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part 3)
171	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material	IS 2386 (Part 3)
172	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10 mm - 75 micron)	IS 2386 (Part 1)
173	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (by MgSO4 & Na2SO4)	IS 2386 (Part-5)
174	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
175	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)

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176	MECHANICAL- BUILDINGS MATERIALS	Flush Door	End Emersion	IS 4020 (Part 13)
177	MECHANICAL- BUILDINGS MATERIALS	Flush Door	Glue Adhesion	IS 4020 (Part 15)
178	MECHANICAL- BUILDINGS MATERIALS	Flush Door	Knife Test	IS 4020 (Part 14)
179	MECHANICAL- BUILDINGS MATERIALS	Flush Doors	Dimension(Thickness/ Width/ Height)	IS:4020 Part 2
180	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Compressive Strength	IS 1727
181	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Density	IS 1727
182	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by 45 Micron Sieve	IS 1727
183	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by air permeability	IS 1727
184	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS: 1727
185	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Final Setting	IS 8142
186	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	initial Setting Time	IS 8142
187	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS: 1199
188	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	ACT Compressive strength (Cube)	IS: 9013
189	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Density	IS: 516 Part 2
190	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	IS 516
191	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Water Permeability Test	IS: 516 Part 2
192	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube/Core	Compressive Strength	IS 516
193	MECHANICAL- BUILDINGS MATERIALS	Precast Paving Block/ Interlocking Tiles	Compressive Strength	IS 15658
194	MECHANICAL- BUILDINGS MATERIALS	Precast Paving Block/ Interlocking Tiles	Water Absorption	IS 15658

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195	MECHANICAL- BUILDINGS MATERIALS	TMT Bar / Structural Steel/SS Steel	Tensile Strength	IS 1608 (Part 1)& (Part 3)
196	MECHANICAL- BUILDINGS MATERIALS	TMT Bar/ Structure Steel/SS Steel	Mass Per Meter	IS 1786
197	MECHANICAL- BUILDINGS MATERIALS	TMT Steel / Structural Steel/ SS Steel	Re Bend Test	IS 1786
198	MECHANICAL- BUILDINGS MATERIALS	TMT Steel / Structural Steel/SS Steel	Bend Test	IS: 1599
199	MECHANICAL- BUILDINGS MATERIALS	TMT Steel / Structural Steel/SS Steel	Elongation	IS 1608 (part 1)
200	MECHANICAL- BUILDINGS MATERIALS	TMT Steel / Structural Steel/SS Steel	Yield Stress	IS 1608(part 1)
201	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE	Dimension (Outside Diameter)	IS 4984 With Ammendment No. 2
202	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipe	Density	IS 7328, Table No. 1
203	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipe	Elongation	IS 4984, Annex H With Ammendment No. 2
204	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipe	Melt Flow Rate	IS 2530
205	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipe	Pressure Test	IS 4984, Annex E
206	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipe	Reversion Test	IS 4984
207	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipe	Tensile Strength	IS 4984, Annex H With Ammendment No. 2
208	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipe	Thickness	IS 4984 With Ammendment No. 2, Table No. 4
209	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipe	Visual appearance	IS 4984
210	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE/UPVC/CPVC Pipe	Opacity	IS 12235 (Part 3)
211	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe / CPVC Pipe	Pressure Test	IS 12235 (Part 8)
212	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe / CPVC Pipe	Reversion Test	IS 12235 (Part 5)
213	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe / CPVC Pipe	Visual Appearance	IS 4985 & IS 15778

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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
214	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe/CPVC Pipe	Dimension (Outside Diameter)	IS 12235 Part 1
215	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe/CPVC Pipe	Tensile Strength	IS 12235 (Part 13)
216	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe/CPVC Pipe	Density	IS 12235 (Part 14)
217	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe/CPVC Pipe	Flattening Test	IS 12235 (Part 19)
218	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe/CPVC Pipe	Thickness	IS 12235 (Part 1)
219	MECHANICAL- SOIL AND ROCK	Clays & Soils	CBR-Soaked	IS 2720(Part 16)
220	MECHANICAL- SOIL AND ROCK	Clays & Soils	Consolidation Test	IS: 2720 Part 15
221	MECHANICAL- SOIL AND ROCK	Clays & Soils	Consolidation Test (mV)	IS: 2720 Part 15
222	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear Test Angle of Internal Friction	IS: 2720 (Part 13)
223	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear Test Cohesion (C)	IS : 2720 (Part 13)
224	MECHANICAL- SOIL AND ROCK	Clays & Soils	Dry Density - Sand Replacement Method	IS: 2720 (Part 28)
225	MECHANICAL- SOIL AND ROCK	Clays & Soils	Free Swell Index Test	IS: 2720 (Part 40)
226	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain Size Analysis	IS 2720 (Part 4)
227	MECHANICAL- SOIL AND ROCK	Clays & Soils	Heavy Compaction (MDD)	IS 2720 (Part 8)
228	MECHANICAL- SOIL AND ROCK	Clays & Soils	Heavy Compaction (OMC)	IS 2720 (Part 8)
229	MECHANICAL- SOIL AND ROCK	Clays & Soils	Liquid Limit	IS 2720 (Part 5)
230	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plastic Limit	IS 2720 (Part 5)
231	MECHANICAL- SOIL AND ROCK	Clays & Soils	Tri- axial Test Cohesion (C)	IS: 2720 Part 12
232	MECHANICAL- SOIL AND ROCK	Clays & Soils	Tri-axial Test Angle of Internal Friction (F)	IS :2720 Part 12

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233	MECHANICAL- SOIL AND ROCK	Soil EV2/Ev1	EV2 Test	DIN 18134
234	MECHANICAL- TEXTILE MATERIALS	Geo Grid	Aperature Size & Number of Ribs /Meter	ASTM D 5261
235	MECHANICAL- TEXTILE MATERIALS	Geo Grid	Elongation	ASTM D 6637
236	MECHANICAL- TEXTILE MATERIALS	Geo grid	Mass Per Square Meter	ASTM D 5261
237	MECHANICAL- TEXTILE MATERIALS	Geo grid	Tensile Strength	ASTM D 6637
238	MECHANICAL- TEXTILE MATERIALS	Geo textile (Woven/Non Woven)	Elongation	ASTM D 5035
239	MECHANICAL- TEXTILE MATERIALS	Geo textile (Woven/Non Woven)	Tensile Strength	ASTM D 5035
240	MECHANICAL- TEXTILE MATERIALS	Geo textile (Woven/Non Woven)	Thickness	ASTM D 5199, Procedure-A
241	MECHANICAL- TEXTILE MATERIALS	Geotextile (Woven/ Non Woven)	Mass Per Square Meter	ASTM D 5261
242	MECHANICAL- TEXTILE MATERIALS	Geotextile (Woven/Non Woven)	Apparent opening Size	ASTM D 4751
243	MECHANICAL- WOOD AND WOOD PRODUCTS	Wood/Timber/Plywood	Density	IS 1708 (Part 2)
244	MECHANICAL- WOOD AND WOOD PRODUCTS	Wood/Timber/Plywood	Moisture Content	IS 1708 (Part-1)
245	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure	Carbonation Test	IS : 516 Part 5: Sec 3

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Retro Reflectivity	Coefficient of Retro Reflectivity of Thermoplastic Paint/Road Marking	IRC 35
2	MECHANICAL- BUILDINGS MATERIALS	Bituminous & Concrete Road section	Benkelmna Beam Deflection Test	IRC : 81
3	MECHANICAL- BUILDINGS MATERIALS	Bituminous & Concrete Road section	Cross Section Test	Morth 5th Revision
4	MECHANICAL- BUILDINGS MATERIALS	Bituminous & Concrete Road section	Falling Wieght Deflkectometer Test	IRC 115
5	MECHANICAL- BUILDINGS MATERIALS	Bituminous & Concrete Road section	Surface Evenness of Highway Pavements (Bituminous & Concrete Section) BY NSV & Bump Integrator	IRC SP:16
6	MECHANICAL- BUILDINGS MATERIALS	Bituminous & Concrete Section	Bridge Load Test (Bituminous & Concrete Section)	IRC SP: 51
7	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Pile Load Test (Vertical by Kentledge method and Anchor Method/High Strain Dynamic Testing/ Lateral Load Test/Pull out)	IS :2911 , ASTM D 4945,
8	MECHANICAL- BUILDINGS MATERIALS	Retro Reflectivity	Coefficient of Retro Reflectivity of Sign Board	IRC 67
9	MECHANICAL- SOIL AND ROCK	Clays & Soils	Dry Density - Core Cutting Method	IS: 2720 (Part 29)
10	MECHANICAL- SOIL AND ROCK	Clays & Soils	K value Test	IS 9214
11	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plate Load Test	IS : 1888
12	MECHANICAL- SOIL AND ROCK	Clays & Soils	Soil Penetration Test	IS:2131
13	MECHANICAL- SOIL AND ROCK	Electrical Resistivity	Electrical Resistivity test	IS 15736
14	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Pile Integrity Test	Pile Integrity Test	ASTM D5882-16 & IS : 14893

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15	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure	Carbonation Test	IS : 516 Part 5: Sec 3
16	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure Cover Depth	Cover Depth Test	BS 1881 Part 204
17	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Half Cell potential Test	Half Cell potential Test	ASTM C 876
18	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC structure	Rebound hammer Test	IS 516 : Part 5 : Sec 4
19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC structure	Ultrasonic Pulse Velocity Test (UPV)	IS: 516 Part 5/Section I/Amend 1