National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AMBILE TESTING AND RESEARCH LABS, PLOT NO. 15, KHASRA NO. 262, MUTAKKIPUR, IIM ROAD, LUCKNOW, 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 Value	IS 3025 (Part 11)
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Aggregates	Organic Impurities	IS 2386 (Part 02)
7	CHEMICAL- BUILDING MATERIAL	Aggregates	Sulphate	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Aggregates	Alkali Reactivity	IS 2386(PART 7)
9	CHEMICAL- BUILDING MATERIAL	Aggregates	Chloride	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Bentonite	Loss of Ignition	IS 6186
11	CHEMICAL- BUILDING MATERIAL	Bentonite	pH Value	IS 6186
12	CHEMICAL- BUILDING MATERIAL	Cement Concrete/ Cement Mortar	Calcium Oxide	ASTM C 1084
13	CHEMICAL- BUILDING MATERIAL	Cement Concrete/ Cement Mortar	Chloride	IS 14959 (Part 01 & 02)
14	CHEMICAL- BUILDING MATERIAL	Ceramic Tiles	Resistance to acids and alkalis	IS 13630 (Part 08)
15	CHEMICAL- BUILDING MATERIAL	Ceramic Tiles	Resistance to household chemicals	IS 13630 (Part 08)
16	CHEMICAL- BUILDING MATERIAL	Ceramic Tiles	Resistance to staining	IS 13630 (Part 08)
17	CHEMICAL- BUILDING MATERIAL	FLY ASH	Alumina	IS 1727
18	CHEMICAL- BUILDING MATERIAL	FLY ASH	Calcium Oxide	IS 1727

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19	CHEMICAL- BUILDING MATERIAL	FLY ASH	Chloride	IS 4032
20	CHEMICAL- BUILDING MATERIAL	FLY ASH	Iron Oxide	IS 1727
21	CHEMICAL- BUILDING MATERIAL	FLY ASH	Loss of Ignition	IS 1727
22	CHEMICAL- BUILDING MATERIAL	FLY ASH	Magnesia	IS 1727
23	CHEMICAL- BUILDING MATERIAL	FLY ASH	Reactive Silica	IS 3812(PART 1)Annex-B
24	CHEMICAL- BUILDING MATERIAL	FLY ASH	Silica	IS 1727
25	CHEMICAL- BUILDING MATERIAL	FLY ASH	Sulphur	IS 1727
26	CHEMICAL- BUILDING MATERIAL	OPC	Alumina	IS 4032
27	CHEMICAL- BUILDING MATERIAL	OPC	Calcium Oxide	IS 4032
28	CHEMICAL- BUILDING MATERIAL	OPC	Chloride	IS 4032
29	CHEMICAL- BUILDING MATERIAL	OPC	Insoluble residue	IS 4032
30	CHEMICAL- BUILDING MATERIAL	OPC	Iron Oxide	IS 4032
31	CHEMICAL- BUILDING MATERIAL	OPC	Loss of Ignition	IS 4032
32	CHEMICAL- BUILDING MATERIAL	OPC	Magnesia	IS 4032
33	CHEMICAL- BUILDING MATERIAL	OPC	Silica	IS 4032
34	CHEMICAL- BUILDING MATERIAL	OPC	Total Sulphur (SO3)	IS 4032
35	CHEMICAL- BUILDING MATERIAL	PPC	Insoluble residue	IS 4032
36	CHEMICAL- BUILDING MATERIAL	PPC	Loss of Ignition	IS 4032
37	CHEMICAL- BUILDING MATERIAL	PPC	Total Sulphur	IS 4032

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38	CHEMICAL- BUILDING MATERIAL	Tar and Bituminous Materials	Solubility in Trichoroethylene	IS 1216
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228 (Part 01)
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228 (Part 06)
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 228 (Part 02)
42	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228 (Part 05)
43	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 228 (Part 03)
44	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 228 (Part 08)
45	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 228 (Part 09)
46	CHEMICAL- METALS & ALLOYS	TMT STEEL	Carbon	IS 228 (Part 01)
47	CHEMICAL- METALS & ALLOYS	TMT STEEL	Manganese	IS 228 (Part 02)
48	CHEMICAL- METALS & ALLOYS	TMT STEEL	Phosphorous	IS 228 (Part 03)
49	CHEMICAL- METALS & ALLOYS	TMT STEEL	Silicon	IS 228 (Part 08)
50	CHEMICAL- METALS & ALLOYS	TMT STEEL	Sulphur	IS 228 (Part 09)
51	CHEMICAL- SOIL AND ROCK	Pond Ash	Total Sulphur as Sulphur trioxide (SO_3)	BS 1377 (Part 3)
52	CHEMICAL- SOIL AND ROCK	SOIL	Calcium Carbonate	IS 2720(PART 23)
53	CHEMICAL- SOIL AND ROCK	SOIL	Organic Matter	IS 2720(PART 22)
54	CHEMICAL- SOIL AND ROCK	SOIL	pH Value	IS 2720(PART 26)
55	CHEMICAL- SOIL AND ROCK	SOIL	Total Soluble Sulphate	IS 2720(PART 27)
56	CHEMICAL- WATER	Construction Water	Acidity, NaOH(0.02N)	IS 3025 (Part 22)
57	CHEMICAL- WATER	Construction Water	Alkalinity, H_2SO_4(0.02N)	IS 3025 (Part 23)

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58	CHEMICAL- WATER	Construction Water	Chloride	IS 3025 (Part 32)
59	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (Part 18)
60	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18)
61	CHEMICAL- WATER	Construction Water	pH Value	IS 3025 (Part 11)
62	CHEMICAL- WATER	Construction Water	Sulphate	IS 3025 (Part 24)
63	CHEMICAL- WATER	Construction Water	Total Suspended Solids	IS 3025 (Part 17)
64	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS 3025 (Part 23)
65	CHEMICAL- WATER	Drinking Water	Boron	IS 3025(PART 57)
66	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part 40)
67	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 32)
68	CHEMICAL- WATER	Drinking Water	Chromium	IS 3025(PART 52)
69	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 04)
70	CHEMICAL- WATER	Drinking Water	Conductivity	IS 3025(Part 14)
71	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 23rd Ed. 4500-F-D
72	CHEMICAL- WATER	Drinking Water	Iron	IS 3025 (Part 53)
73	CHEMICAL- WATER	Drinking water	Magnesium	IS 3025(PART 46)
74	CHEMICAL- WATER	Drinking Water	Nitrate	IS 3025(PART 34)
75	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 05)
76	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025 (Part 11)
77	CHEMICAL- WATER	Drinking Water	Silica (as SiO2)	IS 3025(Part 35)
78	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24)
79	CHEMICAL- WATER	Drinking Water	Taste	IS 3025(Part 7)
80	CHEMICAL- WATER	Drinking Water	Total Dissolved Solid	IS 3025 (Part 16)
81	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part 21)
82	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
83	CHEMICAL- WATER	Industrial Water	BOD	IS 3025(PART 44)
84	CHEMICAL- WATER	Industrial Water	COD	IS 3025(PART 58)
85	CHEMICAL- WATER	Industrial Water	Colour	IS 3025 (Part 04)
86	CHEMICAL- WATER	Industrial Water	Dissolve Oxygen	IS 3025(PART 38)
87	CHEMICAL- WATER	Industrial Water	Odour	IS 3025 (Part 05)

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88	CHEMICAL- WATER	Industrial Water	Oil and Grease	IS 3025(PART 39)
89	CHEMICAL- WATER	Industrial Water	pH Value	IS 3025(PART 11)
90	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	IS 3025 (Part 17)
91	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441 (Part 05)
92	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Density in oven dry condition	IS 6441 (Part 01)
93	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension	IS 2185 (Part 03)
94	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Drying Shrinkage	IS 6441(PART 2)
95	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Moisture Content	IS 6441(PART 1)
96	MECHANICAL- BUILDINGS MATERIALS	Accelerated Curing	Compressive Strength	IS 9013
97	MECHANICAL- BUILDINGS MATERIALS	Acid Proof Tile	Diemension	IS 4457 ANNEX - B
98	MECHANICAL- BUILDINGS MATERIALS	Acid Proof Tile	Modulus of rupture	IS 4457
99	MECHANICAL- BUILDINGS MATERIALS	Acid Proof Tile	Water Absorption	IS 4457
100	MECHANICAL- BUILDINGS MATERIALS	Acid Proof Tiles	Abrasion Resistance	IS 4457
101	MECHANICAL- BUILDINGS MATERIALS	Acid Proof Tiles	Breaking Strength	IS 4457
102	MECHANICAL- BUILDINGS MATERIALS	Admixture	Loss of Workability	IS 9103
103	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water Content	IS 9103
104	MECHANICAL- BUILDINGS MATERIALS	Admixture - Fresh Concrete	Final Setting Time	IS 1199(Part 07)
105	MECHANICAL- BUILDINGS MATERIALS	Admixture - Fresh Concrete	Slump	IS 1199 (Part 02)
106	MECHANICAL- BUILDINGS MATERIALS	Admixture- Fresh Concrete	Initial Setting Time	IS 1199 (Part 07)
107	MECHANICAL- BUILDINGS MATERIALS	Admixture-Fresh Concrete	Compressive Strength	IS 516

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108	MECHANICAL- BUILDINGS MATERIALS	Bituminous Material	Marshall Flow	ASTM D 6927
109	MECHANICAL- BUILDINGS MATERIALS	Bituminous Material	Marshall Stability	ASTM D 6927
110	MECHANICAL- BUILDINGS MATERIALS	Bituminous Material & Asphalt Mix	Bitumen Content	IRC SP 11
111	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Fly Ash Bricks	Compressive Strength	IS 3495 (Part 01)
112	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Fly Ash Bricks	Dimension - Height	IS 1077
113	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Fly Ash Bricks	Dimension - Length	IS 1077
114	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Fly Ash Bricks	Dimension - Width	IS 1077
115	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Fly Ash Bricks	Efflorescence	IS 3495 (Part 03)
116	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Fly Ash Bricks	Water Absorption	IS 3495 (Part 02)
117	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Resistance to Wear	IS 1237
118	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete flooring Tiles	Water Absorption	IS 1237
119	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete flooring Tiles	Wet Transverse Strength	IS 1237
120	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Crazing Test	IS 13630(PART 9)
121	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Strength	IS 13630 (Part 06)
122	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Bulk Density	IS:13630 (Part-2)
123	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension	IS 13630 (Part 1)
124	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Impact Resistance Test	IS 13630(PART 14)
125	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of rupture	IS 13630 (Part 06)
126	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Scatch Hardness of Surface	IS 13630(PART 13)

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127	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
128	MECHANICAL- BUILDINGS MATERIALS	Chequered cement concrete tiles	Dimension	IS 13801
129	MECHANICAL- BUILDINGS MATERIALS	Chequered cement concrete tiles	Resistance to wear	IS 13801 ANNEX-G
130	MECHANICAL- BUILDINGS MATERIALS	Chequered cement concrete tiles	Water Absorption	IS 13801 Annex-E
131	MECHANICAL- BUILDINGS MATERIALS	Chequered cement concrete tiles	Wet Transverse Strength	IS 13801 ANNEX-F
132	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% fines value	IS 2386 (Part 04)
133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 04)
134	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 03)
135	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 04)
136	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Deleterious Material - Coal and Lignite	IS 2386 (Part 2)
137	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material - Soft particle	IS 2386 (Part 02)
138	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material- Clay Lumps	IS 2386 (Part 02)
139	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 01)
140	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 01)
141	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 04)
142	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Material Finer than 75 micron IS Sieve	IS 2386 (Part-1)
143	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis(2.36 mm to 80 mm)	IS 2386 (Part 01)
144	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS 2386 (Part 05)
145	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 03)

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146	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241
147	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Surface Moisture	IS 2386 (Part 03)
148	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 03)
149	MECHANICAL- BUILDINGS MATERIALS	Concrete	Concrete Mix Proportioning	IS 10262
150	MECHANICAL- BUILDINGS MATERIALS	Concrete	Concrete Permeability	MORTH 1717.7.5 5th revision
151	MECHANICAL- BUILDINGS MATERIALS	Concrete Block	Block Density	IS 2185(PART 1&2)
152	MECHANICAL- BUILDINGS MATERIALS	Concrete Block	Compressive Strength	IS 2185 (Part 1&2)
153	MECHANICAL- BUILDINGS MATERIALS	Concrete Block	Dimension	IS 2185(PART 1&2)
154	MECHANICAL- BUILDINGS MATERIALS	Concrete Block	Drying Shrinkage	IS 2185(PART 1&2)
155	MECHANICAL- BUILDINGS MATERIALS	Concrete Block	Moisture movement	IS 2185(PART 1&2)
156	MECHANICAL- BUILDINGS MATERIALS	Concrete Block	Water Absorption	IS 2185(PART 1&2)
157	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Abrasion Resistance	IS 15658 Annexture-E
158	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS 15658 Annexure - D
159	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Determination of Various Dimensions	IS 15658 Annexure - B
160	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Flexural Strength	IS 15658 Annexure - G
161	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS 15658 Annexure - C
162	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 03)
163	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part 03)
164	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Coal & Lignite	IS 2386 (Part 02)

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165	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material - Clay lumps	IS 2386 (Part 02)
166	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material - Soft particle	IS 2386 (Part 02)
167	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Fineness Modulus	IS 6461 (Part 01)
168	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer Than 75 micron IS Sieve	IS 2386 (Part - 1)
169	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part 02)
170	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 01)
171	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS 2386 (Part 02)
172	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS 2386 (Part 05)
173	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 01)
174	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Surface Moisture	IS 2386 (Part 03)
175	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 03)
176	MECHANICAL- BUILDINGS MATERIALS	Flush Door shutter	Dimension(Thickness)	IS 4020 (Part 02)
177	MECHANICAL- BUILDINGS MATERIALS	Flush Door shutter	End Immersion Test	IS 4020 (Part 13)
178	MECHANICAL- BUILDINGS MATERIALS	Flush Door shutter	Glue Adhesion Test	IS 4020 (Part 15)
179	MECHANICAL- BUILDINGS MATERIALS	Flush Door shutter	Knife Test	IS 4020 (Part 14)
180	MECHANICAL- BUILDINGS MATERIALS	Flush Door Shutter	Moisture Content	IS 1708 (Part 01)
181	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
182	MECHANICAL- BUILDINGS MATERIALS	fly ash	Density	IS 1727
183	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Air Permeability	IS 1727

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184	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
185	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle Retained on 45 micron IS Sieve	IS 1727
186	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave method	IS 1727
187	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Concrete Flow Value	IS 9103
188	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Density of Fresh Concrete	IS 1199 (Part 3)
189	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete -Sampling, Preparing and Testing of Concrete Cores	Core - Compressive Strength	IS 516 (Part 04)
190	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Compressive Strength	IS 4031 (Part 06)
191	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Consistency	IS 4031 (Part 04)
192	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Density	IS 4031 (Part 11)
193	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Final Setting Time	IS 4031 (Part 05)
194	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Fineness by blain air permeability	IS 4031 (Part 02)
195	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Initial Setting Time	IS 4031 (Part 05)
196	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Soundness (Le-Chatelier Method)	IS 4031 (Part 03)
197	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Soundness by Autoclave Method	IS 4031 (Part-3)
198	MECHANICAL- BUILDINGS MATERIALS	MDF Board	Density	IS 2380(PART 3)
199	MECHANICAL- BUILDINGS MATERIALS	MDF Board	Dimension	IS 2380(PART 2)
200	MECHANICAL- BUILDINGS MATERIALS	MDF Board	Moisture Content	IS 2380(PART 3)
201	MECHANICAL- BUILDINGS MATERIALS	MDF Board	Swelling due Surface absorption	IS 2380(PART 17)
202	MECHANICAL- BUILDINGS MATERIALS	MDF Board	Water Absorption	IS 2380(PART 16)

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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
203	MECHANICAL- BUILDINGS MATERIALS	PLY WOOD	Density	IS 1734(PART 1)
204	MECHANICAL- BUILDINGS MATERIALS	PLY WOOD	Dimension	12409
205	MECHANICAL- BUILDINGS MATERIALS	Ply Wood	Moisture Content	IS 1734(PART 1)
206	MECHANICAL- BUILDINGS MATERIALS	PLY WOOD	Water resistance test	IS 1734(PART 6)
207	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Elastic recovery of half thread in ductilometer at 15°C	IS 15462 (Annex - A)
208	MECHANICAL- BUILDINGS MATERIALS	Rubber Modified Bitumen	Elastic recovery of half thread in ductilometer at 15°C	IS 17079 (Annex - A)
209	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Absolute Viscosity	IS 1206 (Part -2)
210	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Ductility	IS 1208
211	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Fire and Flash Point	IS 1448-Part 69
212	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Kinematic Viscosity	IS 1206 (Part - 3)
213	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Penetration	IS 1203
214	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Softening Point	IS 1205
215	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Specific Gravity	IS 1202
216	MECHANICAL- BUILDINGS MATERIALS	Tests for Strength of Concrete	Cube - Compressive Strength	IS 516
217	MECHANICAL- BUILDINGS MATERIALS	Tests for Strength of Concrete	Flexural Strength	IS 516
218	MECHANICAL- BUILDINGS MATERIALS	Tests for Strength of Concrete	Slump	IS 516
219	MECHANICAL- BUILDINGS MATERIALS	Timber	Moisture Content	IS 1708 part 1

SCOPE OF ACCREDITATION

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed steel bars and wires for use as reinforcement in concrete	Rebend Test (M32, M40 ,M48 ,M50,M56, M60, M70 ,M72 ,M84, M96, M112 , M120, M128, M140, M150, M160, M168, M175, M192, M196, M200, M224, M256)	IS 1786
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed steel bars and wires for use as reinforcement in concrete	Ribs Area	IS 1786
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Dye Penetration Test	Dye Penetration Test	IS 3658
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	IS 1599
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation	IS 1608 (Part 01)
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile stress	IS 1608 (Part 01)
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	IS 1608 (Part 01)
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc Coating	Mass of Zinc Coating	IS 6745
228	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness	IS 6186
229	MECHANICAL- SOIL AND ROCK	Bentonite	Free Swell Index	IS 2720 (Part 40)
230	MECHANICAL- SOIL AND ROCK	Bentonite	Gel Formation Index	IS 6186
231	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (Part 05)
232	MECHANICAL- SOIL AND ROCK	Bentonite	Marsh Funnel Viscosity	ASTM D 6910
233	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
234	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186

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235	MECHANICAL- SOIL AND ROCK	Bentonite	Specific Gravity	IS 2720 part 3
236	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	C.B.R	IS 2720 (Part 16)
237	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Grain Size Analysis	IS 2720 (Part 04)
238	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Heavy Compaction - MDD	IS 2720 (Part 08)
239	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Heavy Compaction - OMC	IS 2720 (Part 08)
240	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Light Compaction - MDD	IS 2720 (Part 07)
241	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Light Compaction - OMC	IS 2720 (Part 07)
242	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Liquid Limit	IS 2720 (Part 05)
243	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Moisture Content	IS 2720 (Part 02)
244	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Plastic Limit	IS 2720 (Part 05)
245	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Specific Gravity	IS 2720 (Part 03)
246	MECHANICAL- SOIL AND ROCK	Soil and Rock	Direct Shear Test(Angle of internal fraction)	IS 2720(PART 13)
247	MECHANICAL- SOIL AND ROCK	Soil and Rock	Direct Shear Test(Cohesion)	IS 2720(PART 13)
248	MECHANICAL- SOIL AND ROCK	Soil and Rock	Free Swell Index	IS 2720(PART 40)
249	MECHANICAL- SOIL AND ROCK	Soil and Rock	Shrinkage limit	IS 2720(PART 6)
250	MECHANICAL- SOIL AND ROCK	SOILS	CLASSIFICATION AND IDENTIFICATION OF SOILS	IS 1498
251	MECHANICAL- SOIL AND ROCK	Stones	Apparent Specific Gravity	IS 1124
252	MECHANICAL- SOIL AND ROCK	Stones	Breaking Strength	IS 13630 (Part - 6)
253	MECHANICAL- SOIL AND ROCK	Stones	Compressive Strength	IS 1121 (Part 1)

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254	MECHANICAL- SOIL AND ROCK	Stones	Dry Density	IS 13030
255	MECHANICAL- SOIL AND ROCK	Stones	Durability	IS 1126
256	MECHANICAL- SOIL AND ROCK	Stones	Moisture Content	IS 13030
257	MECHANICAL- SOIL AND ROCK	Stones	Porosity	IS 1124
258	MECHANICAL- SOIL AND ROCK	Stones	Resistance of wear	IS 1706
259	MECHANICAL- SOIL AND ROCK	Stones	Specific Gravity	IS 1122
260	MECHANICAL- SOIL AND ROCK	Stones	Tensile Strength	IS 1121 (Part - 3)
261	MECHANICAL- SOIL AND ROCK	Stones	Transvers Strength	IS 1121 (Part 02)
262	MECHANICAL- SOIL AND ROCK	Stones	Water Absorption	IS 1124

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Load Test on Piles	Pull-out test	IS 2911 (Part 04)
2	MECHANICAL- SOIL AND ROCK	Load test on Piles	Lateral load test	IS 2911 (Part 04)
3	MECHANICAL- SOIL AND ROCK	Load Test on Piles	Vertical load test (compression)	IS 2911 (Part 04)
4	MECHANICAL- SOIL AND ROCK	Load Test on Soils	Plate Load Test	IS 1888
5	MECHANICAL- SOIL AND ROCK	Soil and Rock	Standard Penetration Test	IS 2131
6	MECHANICAL- SOIL AND ROCK	SOILS	Dry Density of Soils by the Core Cutter Method	IS 2720(PART 29)
7	MECHANICAL- SOIL AND ROCK	SOILS	Dry Density of Soils by the Sand Replacement Method	IS 2720(PART 28)
8	MECHANICAL- SOIL AND ROCK	SOILS	Modulus of Sub grade Reaction (K-Value) of soil in field	IS 9214
9	MECHANICAL- SOIL AND ROCK	Soils and Granular Material	Field CBR	IS 2720 (Part 31)
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Material - Reinforced Concrete Structure	Pile Integrity Test	ASTM D5882
11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	BUILDINGS MATERIALS- REINFORCED CONCRETE STRUCTURES	Half Cell Potential Test	ASTM C 876
12	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	BUILDINGS MATERIALS- REINFORCED CONCRETE STRUCTURES	Ultrasonic Pulse Velocity	IS 516 (Part 5 / Sec 1)
13	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Rebound Hammer	IS 516 (Part 05)/ Sec-04