National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AMBILE TESTING AND RESEARCH LABS, 89 A, MAHABALI NAGAR, KOLAR ROAD, 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- BUILDING MATERIAL	Aggregates	Alkali Reactivity	2386(P-7)
2	CHEMICAL- BUILDING MATERIAL	Aggregates	Chloride(Cl)	4032
3	CHEMICAL- BUILDING MATERIAL	Aggregates	Organic Impurities	2386(P-2)
4	CHEMICAL- BUILDING MATERIAL	Aggregates	Sulphate (as SO4)	4032
5	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	9103
6	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	6925
7	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	9103
8	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	9103
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Aluminium Oxide (Al2O3)	4032
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Ferric Oxide (Fe2O3)	4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Loss of ignition	4032
12	CHEMICAL- BUILDING MATERIAL	Cement Concrete/Cement mortar	Calcium Oxide(CaO)	ASTM C 1084
13	CHEMICAL- BUILDING MATERIAL	Cement Concrete/Cement mortar	Chloride(Cl)	14959(p-1&2)
14	CHEMICAL- BUILDING MATERIAL	Cement Concrete/Cement mortar	Sulphate(SO4)	4032
15	CHEMICAL- BUILDING MATERIAL	Cement(OPC)	Calcium Oxide(CaO)	4032
16	CHEMICAL- BUILDING MATERIAL	Cement(OPC)	Chloride(Cl)	4032
17	CHEMICAL- BUILDING MATERIAL	Cement(OPC)	Insoluble Residue	4032
18	CHEMICAL- BUILDING MATERIAL	Cement(OPC)	Magnesia(MgO)	4032

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19	CHEMICAL- BUILDING MATERIAL	Cement(OPC)	Silica(SiO2)	4032
20	CHEMICAL- BUILDING MATERIAL	Cement(OPC)	Sulphuric anhydride(SO3)	4032
21	CHEMICAL- BUILDING MATERIAL	Cement(PPC)	Insoluble residue	4032
22	CHEMICAL- BUILDING MATERIAL	Cement(PPC)	Loss of Ignition	4032
23	CHEMICAL- BUILDING MATERIAL	Cement(PPC)	Magnesia(MgO)	4032
24	CHEMICAL- BUILDING MATERIAL	Cement(PPC)	Sulphuric Anhydride (SO3)	4032
25	CHEMICAL- BUILDING MATERIAL	Ceramic Tiles	Resistance to household chemicals	13630(P-8)
26	CHEMICAL- BUILDING MATERIAL	Ceramics Tile	Resistance to acids & alkalis	13630(P-8)
27	CHEMICAL- BUILDING MATERIAL	Ceramics Tiles	Resistance to staining	13630(P-8)
28	CHEMICAL- BUILDING MATERIAL	Tar & Bituminous material	Solubility in trichloroethylene	1216
29	CHEMICAL- METALS & ALLOYS	Chemical Analysis of Steels	Carbon	228(P-01)
30	CHEMICAL- METALS & ALLOYS	Chemical Analysis of Steels	Chromium (Cr)	228(P-06)
31	CHEMICAL- METALS & ALLOYS	Chemical Analysis of Steels	Manganese(Mn)	228(P-02)
32	CHEMICAL- METALS & ALLOYS	Chemical Analysis of Steels	Phosphorous(P)	228(P-03)
33	CHEMICAL- METALS & ALLOYS	Chemical Analysis of Steels	Silicon(Si)	228(P-08)
34	CHEMICAL- METALS & ALLOYS	Chemical Analysis of Steels	Sulphur(S)	228(P-09)
35	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	228(P-01)
36	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium (Cr)	228(P-06)
37	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese(Mn)	228(P-02)

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38	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel(Ni)	228(P-05)
39	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous(P)	228(P-03)
40	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon(Si)	228(P-08)
41	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur(S)	228(P-09)
42	CHEMICAL- WATER	Drinking Water	Calcium(Ca)	3025(P-40)
43	CHEMICAL- WATER	Drinking Water	Chloride(Cl)	3025(P-32)
44	CHEMICAL- WATER	Drinking Water	Colour	3025(P-04)
45	CHEMICAL- WATER	Drinking Water	Conductivity	3025(P-14)
46	CHEMICAL- WATER	Drinking Water	Fluoride(Fl)	3025(P-60)
47	CHEMICAL- WATER	Drinking Water	Iron(Fe)	3025(P-53)
48	CHEMICAL- WATER	Drinking Water	Magnesium(Mg)	3025(P-46)
49	CHEMICAL- WATER	Drinking Water	Nitrate(NO3)	3025(P-34)
50	CHEMICAL- WATER	Drinking Water	Odour	3025(P-05)
51	CHEMICAL- WATER	Drinking Water	pH value	3025(P-11)
52	CHEMICAL- WATER	Drinking Water	Sulphate (SO4)	3025(P-24)
53	CHEMICAL- WATER	Drinking Water	Taste	3025(P-07)
54	CHEMICAL- WATER	Drinking Water	Total Alkalinity	3025(P-23)
55	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	3025(P-16)
56	CHEMICAL- WATER	Drinking Water	Total Hardness	3025(P-21)
57	CHEMICAL- WATER	Drinking Water	Turbidity	3025(P-10)
58	CHEMICAL- WATER	Water for construction purpose	Chloride(Cl)	3025(P-32)
59	CHEMICAL- WATER	Water for construction purpose	Inorganic solids	3025(P-18)
60	CHEMICAL- WATER	Water for construction purpose	Neutralization Value (H2SO4), ml of 0.02 N /100 ml	3025(P-23)
61	CHEMICAL- WATER	Water for construction purpose	Neutralization Value (NaOH), ml of 0.02 N/100 ml	3025(P-22)
62	CHEMICAL- WATER	Water for construction purpose	organic solids	3025(P-18)
63	CHEMICAL- WATER	Water for construction purpose	pH Value	IS 3025 (Part 11)
64	CHEMICAL- WATER	Water for construction purpose	Sulphate(SO4)	3025(P-24)

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65	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	3025(P-17)
66	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441 (Part 5)
67	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Density in Oven Dry Condition	IS 6441 (Part 1)
68	MECHANICAL- BUILDINGS MATERIALS	AAc Block	Dimension	IS 2185 (Part 3)
69	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Drying Shrinkage	IS 6441(PART 2)
70	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Moisture Content	IS 6441 (Part 1)
71	MECHANICAL- BUILDINGS MATERIALS	Bituminous material	Density	ASTM D 2726/D2726 M
72	MECHANICAL- BUILDINGS MATERIALS	Bituminous material	Marshal Flow	ASTM D6927
73	MECHANICAL- BUILDINGS MATERIALS	Bituminous material	Marshal stability	ASTM D 6927
74	MECHANICAL- BUILDINGS MATERIALS	Bituminous material & Asphalt Mix	Bitumen content	ASTM D 2172 IRC SP 11
75	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension-Height	IS 1077
76	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension-Length	IS 1077
77	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension-Width	IS 1077
78	MECHANICAL- BUILDINGS MATERIALS	Brick	Efflorescence	IS 3495 (PART 3)
79	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (PART 2)
80	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS:3495(P-1)
81	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Wet transverse Strength	IS:1237(Annex - F)
82	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete FlooringTiles	Water Absorption	IS:1237(Annex - E)
83	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Bulk Density	IS 13630 (Part 2)

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84	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Scratch Hardness of Surface	IS:13630(PART 13)
85	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Load	IS 13630 (Part 6)
86	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension	IS 13630 (Part 1)
87	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus Of Rupture	IS 13630 (Part 6)
88	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
89	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension	IS:13801
90	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement concrete Tiles	Water Absorption	IS:13801(Annex - E)
91	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Wet transverse strength	IS:13801(Annex - F)
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386(PART 04)
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion value	IS:2386(P-4)
94	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386(PART 03)
95	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386(PART 04)
96	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material- Clay Lumps	IS 2386 (PART 02)
97	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material -Coal & Lignite	IS 2386 (Part 2)
98	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material- Soft Particle	IS 2386 (PART 02)
99	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material-Material Finer than 75 micron IS sieve	IS 2386 (PART 01)
100	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386(PART 01)
101	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (PART 01)
102	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (PART 04)

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103	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Percentage of Voids	IS 2386 (PART 03)
104	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis(80mm to 2.36mm sieve)	IS 2386 (PART 1)
105	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS 2386 (PART 05)
106	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (PART 03)
107	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241
108	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Surface Moisture	IS 2386 (Part 03)
109	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (PART 03)
110	MECHANICAL- BUILDINGS MATERIALS	Core	Compressive Strength	IS 516(Part 4)
111	MECHANICAL- BUILDINGS MATERIALS	Cube	Compressive Strength	IS 516
112	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (PART 03)
113	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (PART 03)
114	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Deleterious material - Clay Lumps	IS 2386 (PART 02)
115	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Deleterious material - Material finer than 75 micron IS sieve	IS 2386 (PART - 1)
116	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material -Coal & Lignite	IS 2386 (Part 02)
117	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Fineness Modulus	IS 6461 (PART 01)
118	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Percentage of Voids	IS 2386 (PART 03)
119	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Sieve Analysis (10 mm to 0.15 mm sieve)	IS 2386 (PART 01)
120	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Silt Content	CPWD Specification
121	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Soundness	IS 2386 (PART 05)

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122	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Specific Gravity	IS 2386 (PART 03)
123	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Surface Moisture	IS 2386 (PART 03)
124	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Water Absorption	IS 2386 (PART 03)
125	MECHANICAL- BUILDINGS MATERIALS	Flush door shutter	End Immersion test	IS 4020(P-13)
126	MECHANICAL- BUILDINGS MATERIALS	Flush door shutter	Glue Adhesion test	IS 4020(P-15)
127	MECHANICAL- BUILDINGS MATERIALS	Flushdoor Shutter	knife test	4020(P-14)
128	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Concrete Flow value	IS 9103
129	MECHANICAL- BUILDINGS MATERIALS	Fresh concrete	Density	IS 1199(P-3)
130	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199
131	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Compressive Strength	IS 4031 (PART 6)
132	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Consistency	IS 4031 (Part 04)
133	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Density	IS 4031 (PART 11)
134	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Final Setting Time	IS 4031 (Part 5)
135	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Fineness by blain air permeability	IS 4031(P-2)
136	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Initial Setting Time	IS 4031 (PART 5)
137	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Soundness(Le Chatelier Method)	IS 4031(Part 3)
138	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658 (Annexure D)
139	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension	IS 15658 (Annexure B)
140	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS 15658 Annexure - G:

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141	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658 (Annexure C)
142	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Absolute Viscosity	IS 1206 (Part - 2)
143	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Fire & Flash point	IS:1209
144	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Kinematic Viscosity (135 °C temperature)	IS:1206(P-3)
145	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Penetration at 25°C 100g 5 sec 0.1mm	IS:1203
146	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Softening Point	IS:1205
147	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous Materials	Specific gravity	IS:1202
148	MECHANICAL- BUILDINGS MATERIALS	Wood	Density	IS 1708 (Part - 2)
149	MECHANICAL- BUILDINGS MATERIALS	wood	Moisture Content	IS1708(P-01)-1986, IS 11215-1991, IS 1734 (P-1)
150	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Channel Section	Mass/Meter	IS 3954
151	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Deformed steel bars and wires for use as reinforcement in concrete	Rebend Test	IS:1786
152	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Deformed steel bars and wires for use as reinforcement in concrete	Ribs area	IS:1786
153	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Total Elongation at Maximum Force	IS 1608 (Part 01)
154	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	IS 1608 (Part 01)
155	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend test	IS:1599
156	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Dimension	IS 1786

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157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Mass/Meter	IS 1786
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	IS :1608(Part 1)
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	IS:1608 (Part 1)
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Stripes and Flats	Dimension	IS 1730
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Stripes and Flats	Mass/Meter	IS 1730
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rainforcement Coupler for Mechanical Splices in Concrete	Coupler Length	IS 16172
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rainforcement Coupler for Mechanical Splices in Concrete	Mechanical Splice	IS 16172
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rainforcement Coupler for Mechanical Splices in Concrete	Percentage Elongation	IS 1608 (Part 01)
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rainforcement Coupler for Mechanical Splices in Concrete	Slip Test	IS 16172 (Annex C)
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rainforcement Coupler for Mechanical Splices in Concrete	Static Tensile Strength	IS 1608 (Part 1)
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bars, Rounds and Square	Dimensions	IS 1732
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bars, Rounds and Square	Mass/Meter	IS 1732
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Beam, Column, Channel and Angle section	Dimension	IS 808
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Beam, Column, Channel and Angle section	Mass/Meter	IS 808

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171	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tubes, Tubulars	Mass/ Meter	IS 1161
172	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tubes, Tubulars and Other Wrought Steel Fittings	Dimension(Thickness)	IS 1239 (Part 01)
173	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tubes, Tubulars and Other Wrought Steel Fittings	Dimensions(Outside Diameter)	IS 1239 (Part 01)
174	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tubes, Tubulars and Other Wrought Steel Fittings	Nominal Mass	IS 1239 (Part 01)
175	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural Steel	Bend Test	IS 2329
176	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness	IS 6186
177	MECHANICAL- SOIL AND ROCK	Bentonite	Free Swell Index	IS 2720 (Part 40)
178	MECHANICAL- SOIL AND ROCK	Bentonite	Gel Formation Index	IS 6186
179	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (Part 5)
180	MECHANICAL- SOIL AND ROCK	Bentonite	Marsh Funnel Viscosity	ASTM D 6910
181	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
182	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
183	MECHANICAL- SOIL AND ROCK	Bentonite	Specific Gravity	IS 2720 (Part 3) Sec-1
184	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	C.B.R	IS 2720 (Part 16)
185	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	Direct Shear Test(Angle of internal fraction)	IS 2720(PART 13)
186	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	Direct Shear Test(Cohesion)	IS 2720(PART 13)
187	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	Free Swell Index	IS 2720 (Part 40)

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188	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	Grain Size Analysis range - 100 mm to 0.075mm	IS 2720 (Part 4)
189	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	Liquid Limit	IS 2720 (Part 5)
190	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	MDD (By Light Compaction)	IS 2720 (Part 7)
191	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	MDD (Heavy Compaction)	IS 2720 (Part 8)
192	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	Moisture Content	IS 2720 (Part 2)
193	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	OMC (By Light Compaction)	IS 2720 (Part 7)
194	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	OMC (Heavy Compaction)	IS 2720 (Part 8)
195	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	Plastic Limit	IS 2720 (Part 5)
196	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	Plasticity Index	IS 2720 (Part 5)
197	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	Shrinkage limit	IS 2720 (Part 06)
198	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	Sieve Analysis by Hydrometer Method	IS 2720 (Part 04)
199	MECHANICAL- SOIL AND ROCK	Stone/Marble/Granite	Apparent Specific Gravity	IS 1124
200	MECHANICAL- SOIL AND ROCK	Stone/Marble/Granite	Compressive Strength	IS 1121 (Part 1)
201	MECHANICAL- SOIL AND ROCK	Stone/Marble/Granite	Dry Density	IS 13030
202	MECHANICAL- SOIL AND ROCK	Stone/Marble/Granite	Moisture Content	IS 13030
203	MECHANICAL- SOIL AND ROCK	Stone/Marble/Granite	Specific Gravity	IS 1122

SCOPE OF ACCREDITATION

Laboratory Name : AMBILE TESTING AND RESEARCH LABS, 89 A, MAHABALI NAGAR, KOLAR ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4066 **Page No** 12 of 12

Validity 12/04/2023 to 11/04/2025 **Last Amended on** -

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- SOIL AND ROCK	Dry Density Of Soils, In-Place, By The Core cutter Method	Compaction Test (By Core cutter Method)	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Dry Density Of Soils, In-Place, By The Sand Replacement Method	Compaction Test (By Sand Replacement Method)	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Soils and Granular Materials	California Bearing Ratio	IS 2720 (Part 31)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete —Non-Destructive Testing of Concrete	Rebound Hammer Test	IS 516 (Part 05)/ Sec-04
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete-Non-Destructive Testing (Half-Cell Potentials of Uncoated Reinforcing Steel in Concrete)	Half Cell Potential Test	IS 516 (Part 5/ Sec 2)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete-Non-Destructive Testing of Concrete	Ultrasonic Pulse Velocity Testing	IS 516 (Part 05/sec 1)
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Non-destructive testing of concrete piles	Pile Integrity Test	IS 14893