National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ARC TESTING LABORATORY, KH.NO.-42/9/4, VILLAGE BADLI, NEW DELHI, DELHI, 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	Aggregate	Total Sulphate Content	BS 812(P-118)
2	CHEMICAL- BUILDING MATERIAL	Aggregate	Water Soluble Chloride Content	BS 812(P-117)
3	CHEMICAL- BUILDING MATERIAL	Bitumen	Soluble in Trichloroethylene	IS 1216
4	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Ash content	IS: 9103
5	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Chloride	IS: 9103
6	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Dry material content	IS: 9103
7	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	pH value	IS: 9103
8	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Relative density	IS: 9103
9	CHEMICAL- BUILDING MATERIAL	Fly Ash	Aluminum Oxide (Al2O3)	IS 1727
10	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium oxide (CaO)	IS 1727
11	CHEMICAL- BUILDING MATERIAL	Fly Ash	Ferric Oxide (Fe2O3)	IS 1727
12	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS: 1727
13	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesium oxide (MgO)	IS 1727
14	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silicon dioxide (SiO2)	IS 1727
15	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulfite (SO3)	IS 1727
16	CHEMICAL- BUILDING MATERIAL	Fly Ash	Total Chloride	IS:4032
17	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Chloride	BS 1881 (Part 124)
18	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Ratio of Ingredient	ASTM C-1084

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19	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Sulphate	BS 1881 (Part 124)
20	CHEMICAL- BUILDING MATERIAL	Mortar	Ratio of Ingredient	ASTM C 1084
21	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Aluminum Oxide (Al2O3)	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Calcium oxide (CaO)	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Chloride	IS: 4032
24	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Ferric Oxide (Fe2O3)	IS 4032
25	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Insoluble Residue	IS: 4032
26	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Loss on Ignition	IS: 4032
27	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Magnesium oxide (MgO)	IS: 4032
28	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Silicon dioxide (SiO2)	IS 4032
29	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Sulfite (SO3)	IS 4032
30	CHEMICAL- METALS & ALLOYS	TMT Steel & Structure Steel	Carbon	IS: 228 (P-1)
31	CHEMICAL- METALS & ALLOYS	TMT Steel & Structure Steel	Manganese	IS: 228 (P-2)
32	CHEMICAL- METALS & ALLOYS	TMT Steel & Structure Steel	Phosphorous	IS: 228 (P-3)
33	CHEMICAL- METALS & ALLOYS	TMT Steel & Structure Steel	Silicon	IS: 228 (P-8)
34	CHEMICAL- METALS & ALLOYS	TMT Steel & Structure Steel	Sulphur	IS: 228 (P-9)
35	CHEMICAL- WATER	Construction Water	Sulphate	IS: 3025(P-24)
36	CHEMICAL- WATER	Construction Water	Chloride	IS: 3025(P-32)
37	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS: 3025(P-18)
38	CHEMICAL- WATER	Construction Water	Limits of Acidity	IS: 3025(P-22)
39	CHEMICAL- WATER	Construction Water	pH Value	IS: 3025(P-11)

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40	CHEMICAL- WATER	Construction Water	Total Suspended Matter	IS: 3025(P-17)
41	CHEMICAL- WATER	Construction Water	Limits of Alkalinity	IS: 3025(P-23)
42	CHEMICAL- WATER	Construction Water	Organic Solids	IS: 3025(P-18)
43	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Block Density	IS 6441(Pt-1)
44	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Compressive Strength	IS 6441(Pt-5)
45	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Dimension(Length)	IS 2185 (Pt-3)
46	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Dimension(thickness)	IS 2185 (Pt-3)
47	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Dimension(Width)	IS 2185 (Pt-3)
48	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Drying Shrinkage	IS 6441(Pt-2)
49	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS: 1208
50	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Elastic Recovery	IS 15462
51	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS: 1209
52	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS: 1209
53	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS: 1203
54	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS: 1205
55	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/DBM/BC)	Density	ASTM D2726
56	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/DBM/BC)	Flow Value	ASTM D6927
57	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/DBM/BC)	Marshall Stability	ASTM D6927:
58	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/DBM/BC)	Binder Content	IRC SP-11
59	MECHANICAL- BUILDINGS MATERIALS	Bricks(clay/fly ash)	Compressive Strength	IS: 3495(P-1)

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60	MECHANICAL- BUILDINGS MATERIALS	Bricks(clay/fly ash)	Dimensions (width)	IS 1077, IS 12894
61	MECHANICAL- BUILDINGS MATERIALS	Bricks(clay/fly ash)	Dimensions (Length)	IS 1077, IS 12894
62	MECHANICAL- BUILDINGS MATERIALS	Bricks(clay/fly ash)	Dimensions(height)	IS 1077, IS 12894
63	MECHANICAL- BUILDINGS MATERIALS	Bricks(clay/fly ash)	Efflorescence	IS: 3495(P-3)
64	MECHANICAL- BUILDINGS MATERIALS	Bricks(clay/fly ash)	Water Absorption	IS: 3495 (P-2)
65	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Dimension (Length)	IS 1237, IS 13801
66	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Dimension (Thickness)	IS 1237, IS 13801
67	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Dimension (Width)	IS 1237, IS 13801
68	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Finish	IS 1237, IS 13801
69	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Flatness	IS 1237, IS 13801
70	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Perpendicularity	IS 1237, IS 13801
71	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Resistance to Wear	IS 1237, IS 13801
72	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Straightness	IS 1237, IS 13801
73	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Thickness of wearing layer	IS 1237, IS 13801
74	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Water Absorption	IS 1237, IS 13801
75	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles/Block	Wet Transverse Strength	IS 1237, IS 13801
76	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	Surface Quality	IS 13630 (P-1)
77	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	Breaking Strength	IS 13630 (P-6)
78	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	Crazing Resistance	IS 13630 (P-9)

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79	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	Dimension (Length)	IS 13630 (P-1)
80	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	Dimension (Thickness)	IS 13630 (P-1)
81	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	Dimension (Width)	IS 13630 (P-1)
82	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	Hardness (Mohs)	IS 13630 (P-13)
83	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	MODULUS OF RUPTURE	IS 13630 (P-6)
84	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	Resistance to Staining	IS 13630 (P-8)
85	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	Thermal Shock Resistance	IS 13630 (P-5)
86	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile (Glazed / Unglazed / Vitrified)	Water Absorption	IS 13630 (P-2)
87	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fine Value	IS: 2386(P-4)
88	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS: 2386(P-3)
89	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing value	IS: 2386(P-4)
90	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS: 2386(P-1)
91	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS: 2386(P-1)
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS: 2386(P-4)
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loss Angeles Abrasion Value	IS : 2386 (P-4)
94	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size: 80 mm, 63 mm, 40 mm, 20 mm, 16 mm, 12.5 mm, 10 mm, 4.75 mm, 2.36 mm)	IS 2386 (P-1)
95	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Magnesium sulfate (MgSO4)	IS: 2386 (P-5)
96	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium sulfate (Na2SO4)	IS: 2386 (P-5)

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97	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific gravity	IS: 2386(P-3)
98	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Materials - Stripping Value	IS 6241
99	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Materials - Clay Lumps	IS 2386 (Part 2)
100	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Materials - Coal & Lignite	IS 2386 (Part 2)
101	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Materials - Finer than 75 Micron	IS 2386 (Part 1)
102	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS: 2386(P-3)
103	MECHANICAL- BUILDINGS MATERIALS	Concrete (Cube, Core, Beam)	Flexural Strength	IS: 516 (P-1/sec-1)
104	MECHANICAL- BUILDINGS MATERIALS	Concrete (Cube, Core, Beam)	Split Tensile Strength	IS: 516(p-1/sec-1)
105	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (P-4)
106	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS: 2386 (P-3)
107	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Magnesium sulfate (MgSO4)	IS: 2386 (P-5)
108	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium sulfate (Na2SO4)	IS: 2386 (P-5)
109	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Materials - Finer than 75 micron	IS 2386 (P-1)
110	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS: 2386 (P-3)
111	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size: 10 mm, 4.75 mm, 2.36 mm, 1.18 mm, 0.600 mm, 0.300 mm, 0.150 mm)	IS 2386 (P-1)
112	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS: 2386 (P-3)
113	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Materials - Clay Lumps	IS 2386 (Part 2)
114	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Materials - Coal & Lignite	IS 2386 (Part 2)

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115	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Compressive Strength at 28 days	IS 1727
116	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blaine Method	IS 1727
117	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Lime Reactivity	IS 1727
118	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Residue 45 micron Wet Sieving	IS 1727
119	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Autoclave	IS: 4031 (P-3)
120	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727
121	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Gradation	IS 2386 (Part 1)
122	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Impact Value	IS 2386 (Part 4)
123	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Los Angeles Abrasion Value	IS 2386 (Part 4)
124	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516 (P-1)
125	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Soundness by Le-chatelier	IS 4031 (Part-3)
126	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Specific Surface Area (By Blaine's Method)	IS: 4031 (P-2)
127	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Compressive Strength	IS: 4031 (P-6)
128	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Consistency	IS 4031 (P-4)
129	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Final Setting Time	IS: 4031 (P-5)
130	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Initial Setting Time	IS: 4031 (P-5)
131	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Soundness by Autoclave	IS: 4031 (P-3)
132	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement and Blended Cement (OPC & PPC)	Specific Gravity	IS: 4031 (P-11)
133	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Freeze – Thaw Durability	IS: 15658

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134	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Visual Inspection	IS: 15658
135	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Abrasion Resistance (Dry condition)	IS: 15658
136	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Abrasion Resistance (Wet condition)	IS: 15658
137	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Compressive Strength	IS: 15658
138	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Dimension Length	IS: 15658
139	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Dimension Thickness	IS: 15658
140	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Dimension Width	IS: 15658
141	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Flexural Strength	IS: 15658
142	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Tensile Splitting Strength	IS: 15658
143	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Thickness of wearing layer	IS: 15658
144	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Water Absorption	IS: 15658
145	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tube/G.I. Pipe /M.S. Pipe	Dimension	IS: 1239(P-1)
146	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tube/G.I. Pipe /M.S. Pipe	Elongation	IS 1608(Pt-1)
147	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tube/G.I. Pipe /M.S. Pipe	Flattening Test	IS: 2328
148	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tube/G.I. Pipe /M.S. Pipe	Mass	IS: 1239(P-1)
149	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tube/G.I. Pipe /M.S. Pipe	Tensile Strength	IS 1608(Pt-1)

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150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Bend Test (Mandrel: 18mm, 24mm, 30mm, 32mm, 36mm, 40mm, 42mm, 48mm, 50mm, 56mm, 60mm, 64mm, 70mm, 72mm, 80mm, 84mm, 96mm, 100mm, 112mm, 120mm, 125mm, 128mm, 140mm, 150mm, 160mm, 175mm, 192mm, 200mm, 224mm, 256mm)	IS 1599
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Elongation	IS 1608(Pt-1)
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Mass	IS: 808
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	IS 1608(Pt-1)
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Stress	IS 1608(Pt-1)
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Yield Stress	IS 1608(Pt-1)
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Bend Test (Mandrel: 18mm, 24mm, 30mm, 32mm, 36mm, 40mm, 42mm, 48mm, 50mm, 56mm, 60mm, 64mm, 70mm, 72mm, 80mm, 84mm, 96mm, 100mm, 112mm, 120mm, 125mm, 128mm, 140mm, 150mm, 160mm, 175mm, 192mm, 200mm, 224mm, 256mm)	IS 1599
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Elongation	IS 1608(Pt-1)
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Mass	IS 1786

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159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Rebend Test (Mandrel: 18mm, 24mm, 30mm, 32mm, 36mm, 40mm, 42mm, 48mm, 50mm, 56mm, 60mm, 64mm, 70mm, 72mm, 80mm, 84mm, 96mm, 100mm, 112mm, 120mm, 125mm, 128mm, 140mm, 150mm, 160mm, 175mm, 192mm, 200mm, 224mm, 256mm)	IS 1786
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar/ TOR Steel	Tensile Strength	IS 1608(Pt-1)
161	MECHANICAL- SOIL AND ROCK	Bentonite	Density	ASTM D4380
162	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Dry Sieve (75 micron)	IS:6186-
163	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Dry Sieve (150micron)	IS:6186
164	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Wet Sieve(45 micron)	IS:6186
165	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Wet Sieve(150micron)	IS:6186
166	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS: 2720(P-5)
167	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186:
168	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS:6186
169	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling Index	IS: 2720(P-40)
170	MECHANICAL- SOIL AND ROCK	GSB / WMM	(Optimum Moisture Content - OMC)	IS 2720 (Part-8)
171	MECHANICAL- SOIL AND ROCK	GSB / WMM	CBR Value	IS 2720 (Pt-16)
172	MECHANICAL- SOIL AND ROCK	GSB / WMM	Liquid Limit	IS 2720 (Pt-5)
173	MECHANICAL- SOIL AND ROCK	GSB / WMM	Maximum Dry Density - MDD	IS 2720 (Pt-8)

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
174	MECHANICAL- SOIL AND ROCK	GSB / WMM	Plastic Limit	IS 2720 (Pt-5)
175	MECHANICAL- SOIL AND ROCK	Rock	Compressive Strength	IS 9143
176	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
177	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
178	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS: 2720 (P-16)
179	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Angle of Internal Friction (Phi Value)	IS 2720 (Part-13)
180	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Cohesion Intercept (C Value)	IS 2720 (Part-13)
181	MECHANICAL- SOIL AND ROCK	Soil	Free Swelling Index	IS 2720 (Pt-40)
182	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS: 2720 (P-5)
183	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density - MDD,Heavy Compaction	IS: 2720 (P-8)
184	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part-2)
185	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content - OMC ,Heavy Compaction	IS: 2720 (P-8)
186	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS: 2720 (P-5)
187	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis (Sieve Size: 4.75 mm, 2.0 mm, 0.425 mm, 0.075 mm)	IS 2720 (P-4)
188	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS: 2720 (P-3, Sec. I)
189	MECHANICAL- SOIL AND ROCK	Stone Granite/Marble	Compressive Strength	IS: 1121(P-1)
190	MECHANICAL- SOIL AND ROCK	Stone Granite/Marble	Dimension (Length)	IS: 1130
191	MECHANICAL- SOIL AND ROCK	Stone Granite/Marble	Dimension (Thickness)	IS: 1130

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192	MECHANICAL- SOIL AND ROCK	Stone Granite/Marble	Dimension (Width)	IS: 1130
193	MECHANICAL- SOIL AND ROCK	Stone Granite/Marble	Durability	IS 1126
194	MECHANICAL- SOIL AND ROCK	Stone Granite/Marble	Hardness (Mohs)	IS: 13630(P-13)
195	MECHANICAL- SOIL AND ROCK	Stone Granite/Marble	Specific Gravity	IS: 1124
196	MECHANICAL- SOIL AND ROCK	Stone Granite/Marble	Water Absorption	IS:1124