National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CIVIL TECHNOGLOBAL ADVANCED TESTING CENTRE, POLA GROUND, CHHINDWARA, MADHYA 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	Admixtures	Chloride as Cl	IS 6925
2	CHEMICAL- BUILDING MATERIAL	Admixtures	PH value	IS 9103
3	CHEMICAL- BUILDING MATERIAL	Cement (OPC 43, 43S, 53, 53S, PPC)	Ferric oxide as Fe2O3	IS 4032
4	CHEMICAL- BUILDING MATERIAL	Cement (OPC 43, 43S, 53, 53S, PPC)	Calcium oxide as CaO	IS 4032
5	CHEMICAL- BUILDING MATERIAL	Cement (OPC 43, 43S, 53, 53S, PPC)	Chloride content	IS 4032, Amend 2
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC 43, 43S, 53, 53S, PPC)	Insoluble residue	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC 43, 43S, 53, 53S, PPC)	Loss on ignition	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC 43, 43S, 53, 53S, PPC)	Magnesia as MgO	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC 43, 43S, 53, 53S, PPC)	Sulphuric anhydride as SO3	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC 43, 43S, 53, 53S, PPC)	Silica as SiO2	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC 43, 43S, 53, 53S, PPC)	Alumina as Al2O3	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Coarse/Fine aggregate	Alkali aggregate reactivity	IS 2386 (Part 7)
13	CHEMICAL- BUILDING MATERIAL	Curing Compound	PH value	IS 9103
14	CHEMICAL- BUILDING MATERIAL	Microsilica	Loss on Ignition	IS 1727
15	CHEMICAL- BUILDING MATERIAL	Microsilica	Silica as Si02	IS 1727
16	CHEMICAL- BUILDING MATERIAL	Pozzolana	Alumina as Al2O3	IS 1727
17	CHEMICAL- BUILDING MATERIAL	Pozzolana	Chloride content	IS 4032, Amend 2
18	CHEMICAL- BUILDING MATERIAL	Pozzolana	Ferric oxide as Fe2O3	IS 1727

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19	CHEMICAL- BUILDING MATERIAL	Pozzolana	Loss on Ignition	IS 1727
20	CHEMICAL- BUILDING MATERIAL	Pozzolana	Magnesia as MgO	IS 1727
21	CHEMICAL- BUILDING MATERIAL	Pozzolana	Reactive silica	IS 3812 (Part 1), Annex B
22	CHEMICAL- BUILDING MATERIAL	Pozzolana	Silica as SiO2	IS 1727
23	CHEMICAL- BUILDING MATERIAL	Pozzolana	Sulphuric anhydride as SO3	IS 1727
24	CHEMICAL- WATER	Drinking/Potable water	Alkalinity	IS 3025 (Part 23)
25	CHEMICAL- WATER	Drinking/Potable Water	Chloride as Cl	IS 3025 (Part 32)
26	CHEMICAL- WATER	Drinking/Potable Water	Colour	IS 3025 (Part 4)
27	CHEMICAL- WATER	Drinking/Potable Water	Flouride as F	IS 3025 (Part 60)
28	CHEMICAL- WATER	Drinking/Potable Water	Odour	IS 3025 (Part 5)
29	CHEMICAL- WATER	Drinking/Potable water	PH Value	IS 3025 (Part 11)
30	CHEMICAL- WATER	Drinking/Potable Water	Sulphate as SO4	IS 3025 (Part 24/Sec1)
31	CHEMICAL- WATER	Drinking/Potable water	Taste	IS 3025 (Part 8)
32	CHEMICAL- WATER	Drinking/Potable Water	Total dissolved solids	IS 3025 (Part 16)
33	CHEMICAL- WATER	Drinking/Potable Water	Total hardness as CaCO3	IS 3025 (Part 21)
34	CHEMICAL- WATER	Drinking/Potable Water	Turbidity	IS 3025 (Part 10)
35	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 3025 (Part 22)
36	CHEMICAL- WATER	Water for construction purpose	Alkalinity	IS 3025 (Part 23)
37	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS 3025 (Part 32)
38	CHEMICAL- WATER	Water for construction purpose	Inorganic Impurities	IS 3025 (Part18)
39	CHEMICAL- WATER	Water for construction purpose	Organic Impurities	IS 3025 (Part 18)
40	CHEMICAL- WATER	Water for construction purpose	PH Value	IS 3025 (Part 11)
41	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO4	IS 3025 (Part24/Sec1)
42	CHEMICAL- WATER	Water for construction purpose	Suspended Matter	IS 3025 (Part 17)
43	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Bulk density	IS 6441 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compressive Strength	IS 6441 (Part 5)

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45	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimension: Height	IS 2185 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimension: Length	IS 2185 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimension: Width/Thickness	IS 2185 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Drying shrinkage	IS 6441 (Part 2)
49	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Moisture Content	IS 6441 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Ash Content	IS 9103
51	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Dry Material content	IS 9103
52	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Relative Density	IS 9103
53	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Density (Suspension)	IS 6186
54	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Gel Formation Index	IS 6186
55	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Moisture content	IS 6186
56	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Particle passing by dry sieving, 150 microns IS Sieve	IS 6186
57	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Particle passing by dry sieving, 75 microns IS Sieve	IS 6186
58	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Particle passing by wet sieving, 45 microns IS Sieve	IS 6186
59	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Particle retained by wet sieving, 150 microns IS Sieve	IS 6186
60	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Sand content	IS 6186
61	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Swelling power	IS 6186
62	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Viscosity (Suspension)	ASTM D6190
63	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous material	Ductility	IS 1208

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64	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous material	Fire Point by Cleveland (Open) Cup	IS 1448 (Part 69)
65	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous material	Flash point (Cleveland open cup)	IS 1448 (Part 69)
66	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous material	Kinematic viscosity @ 135 degree celsius	IS 1206 (Part 3)
67	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous material	Penetration	IS 1203
68	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous material	Softening Point	IS 1205
69	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous material	Specific Gravity	IS 1202
70	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous material	Tests on residue: Ductility	IS 1208
71	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous materials	Absolute viscosity at 60 degree celsius	IS 1206 (Part 2)
72	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous materials	Solubility in trichloroethylene	IS 1216
73	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous materials	Tests on residue: Viscosity ratio at 60 degree celsius	IS 1206 (Part 2)
74	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Coagulation	IS 8887
75	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Miscibility with water	IS 8887
76	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Residue by evaporation	IS 8887
77	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Residue on 600 micron IS Sieve	IS 8887
78	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Storage stability after 24 hours	IS 8887
79	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Tests on residue: Ductility	IS 1208
80	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Tests on residue: Penetration	IS 1203
81	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Tests on residue: Solubility in trichloroethylene	IS 1216
82	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Viscosity by salbolt viscometer at 25 degree celsius	IS 3117

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83	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Viscosity by saybolt viscometer at 50 degree celsius	IS 3117
84	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder content	IRC SP 11 1984 Appendix 5 Clause C
85	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bulk specific gravity of compacted bituminous Mix	AASHTO T166
86	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	AASHTO T245
87	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	AASHTO T245
88	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Striping Value	IS 6241
89	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Theoretical Maximum specific gravity of bituminous Mix	AASHTO T209
90	MECHANICAL- BUILDINGS MATERIALS	Bricks (Pulverised fuel ash lime)	Bricks (Set of 20 bricks): Length	IS 12894
91	MECHANICAL- BUILDINGS MATERIALS	Bricks (Pulverised fuel ash lime)	Compressive strength	IS 3495 (Part 1)
92	MECHANICAL- BUILDINGS MATERIALS	Bricks (Pulverised fuel ash lime)	Dimensions (Set of 20 bricks): Width	IS 12894
93	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Compresive Strength	IS 3495 (Part 1)
94	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Dimension: Length	IS 1077
95	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Dimensions (Set of 20 bricks): Height	IS 1077
96	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Dimensions (Set of 20 bricks): Width	IS 1077
97	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Efflorescence	IS 3495 (Part 3)
98	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Water Absorption	IS 3495 (Part 2)
99	MECHANICAL- BUILDINGS MATERIALS	Bricks (Pulverised fuel ash lime)	Dimensions (Set of 20 bricks): Height	IS 12894
100	MECHANICAL- BUILDINGS MATERIALS	Bricks (Pulverised fuel ash lime)	Efflorescence	IS 3495 (Part 3)
101	MECHANICAL- BUILDINGS MATERIALS	Bricks (Pulverised fuel ash lime)	Water absorption	IS 3495 (Part 2)

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102	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Specific gravity	IS 4031 (Part 11)
103	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Compressive strength	IS 4031 (Part 6)
104	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Final Setting Time	IS 4031 (Part 5)
105	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Fineness by Blaine air permeability method	IS 4031 (Part 2)
106	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Fineness by dry sieving on 90 micron IS Sieve	IS 4031 (Part 1)
107	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Initial Setting time	IS 4031 (Part 5)
108	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Soundness by Auto Clave Method	IS 4031 (Part 3)
109	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Soundness by Le Chatelier Method	IS 4031 (Part 3)
110	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Consistency	IS 4031 (Part 4)
111	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC)	Drying Shrinkage	IS 4031 (Part 10)
112	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	10% Fines Value	IS 2386 (Part 4)
113	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Alkali Aggregate Reactivity (Mortar Bar Method)	IS 2386 (Part 7)
114	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS 2386 (Part 2)
115	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Crushing value	IS 2386 (Part 4)
116	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Dry Loose Bulk Density	IS 2386 (Part 3)
117	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Dry Rodded Bulk Density	IS 2386 (Part 3)
118	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Elongation Index	IS 2386 (Part 1)
119	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
120	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Impact Value	IS 2386 (Part 4)

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121	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Light weight particles	IS 2386 (Part 2)
122	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los angeles Abrasion Value	IS 2386 (Part 4)
123	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Material Finer than 75 micron IS Sieve	IS 2386 (Part 1)
124	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (80 to 2.36 mm)	IS 2386 (Part 1)
125	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Magnesium sulphate solution	IS 2386 (Part 5)
126	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate Solution	IS 2386 (Part 5)
127	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Specific Gravity	IS 2386 (Part 3)
128	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Water Absorption	IS 2386 (Part 3)
129	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Chequered)	Dimension: Length	IS 13801
130	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Chequered)	Dimension: Thickness	IS 13801
131	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Chequered)	Dimension: Width	IS 13801
132	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Chequered)	Resistance to wear	IS 13801
133	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Chequered)	Surface irregularity: Flatness	IS 13801
134	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Chequered)	Surface irregularity: Perpendicularity	IS 13801
135	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Chequered)	Surface irregularity: Straightness	IS 13801
136	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Chequered)	Water absorption	IS 13801
137	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Chequered)	Wet transverse strength	IS 13801
138	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Plain)	Dimension: Length	IS 1237
139	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Plain)	Dimension: Thickness	IS 1237

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140	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Plain)	Dimension: Width	IS 1237
141	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Plain)	Resistance to Wear	IS 1237
142	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Plain)	Surface irregularity: Flatness	IS 1237
143	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Plain)	Surface irregularity: Perpendicularity	IS 1237
144	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Plain)	Surface irregularity: Straightness	IS 1237
145	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Plain)	Water Absorption	IS 1237
146	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles (Plain)	Wet Transverse Strength	IS 1237
147	MECHANICAL- BUILDINGS MATERIALS	Concrete paver block	Abrasion Resistance	IS 15658
148	MECHANICAL- BUILDINGS MATERIALS	Concrete paver block	Compressive Strength	IS 15658
149	MECHANICAL- BUILDINGS MATERIALS	Concrete paver block	Water Absorption	IS 15658
150	MECHANICAL- BUILDINGS MATERIALS	Concrete paver blocks	Dimension: Thickness	IS 15658
151	MECHANICAL- BUILDINGS MATERIALS	Concrete paver blocks	Dimension: Width	IS 15658
152	MECHANICAL- BUILDINGS MATERIALS	Concrete paver blocks	Dimensions: Length	IS 15658
153	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Drying Time	ASTM C 309
154	MECHANICAL- BUILDINGS MATERIALS	Curing compound	Relative Density	IS 9103
155	MECHANICAL- BUILDINGS MATERIALS	Curing compound	Water retention efficiency index	BS 7542
156	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Alkali Aggregate Reactivity (Mortar Bar Method)	IS 2386 (Part 7)
157	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS 2386 (Part 3)
158	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Clay Lumps	IS 2386 (Part 2)

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159	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Deleterious material: Silt & clay	IS 2386 (Part 1)
160	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Deleterious Material: Silt & clay	IS 2386 (Part 1)
161	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Dry loose bulk density	IS 2386 (Part 3)
162	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Dry Rodded Bulk Density	IS 2386 (Part 3)
163	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part 2)
164	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sand Equivalent Value	IS 2720 (Part 37)
165	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Sieve Analysis (10 to 0.150mm)	IS 2386 (Part 1)
166	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Magnesium Sulphate solution	IS 2386 (Part 5)
167	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Soundness test (by Sodium sulphate solution)	IS 2386 (Part 5)
168	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
169	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Water Absorption	IS 2386 (Part 3)
170	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Light weight particles	IS 2386 (Part 2)
171	MECHANICAL- BUILDINGS MATERIALS	Fresh concrete	Final setting time by penetration resistance	IS 1199 (Part 7)
172	MECHANICAL- BUILDINGS MATERIALS	Fresh concrete	Initial setting time by penetration resistance	IS 1199 (Part 7)
173	MECHANICAL- BUILDINGS MATERIALS	Hardened concrete	Compressive Strength of Core	IS 516
174	MECHANICAL- BUILDINGS MATERIALS	Hardened concrete	Compressive Strength of Cube	IS 516
175	MECHANICAL- BUILDINGS MATERIALS	Hydrated Lime	Material finer 75 microns	ASTM-C-110-2000
176	MECHANICAL- BUILDINGS MATERIALS	Microfine cementitious Material (Alccofine)	Bulk density	ASTM C110
177	MECHANICAL- BUILDINGS MATERIALS	Microfine cementitious Material (Alccofine)	Particle Size (D10, D50 & D90)	IS 2720 (Part 4)

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178	MECHANICAL- BUILDINGS MATERIALS	Microfine cementitious Material (Alccofine)	Specific Gravity	IS 1727
179	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Bulk density	ASTM C110
180	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Compressive strength of Microsilica Cement Mortar	IS 1727
181	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Moisture content	IS 15388
182	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Oversize (%) retained on 45micon IS sieve	IS 1727
183	MECHANICAL- BUILDINGS MATERIALS	Microsilica	Specific gravity	IS 1727
184	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Compressive Strength of Fly Ash Cement Mortar	IS 1727
185	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Fineness (+45µSieve)	IS 1727
186	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Fineness by Blaine Air permeability	IS 1727
187	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Lime Reactivity	IS 1727
188	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Soundness by Auto Clave Method	IS 1727
189	MECHANICAL- BUILDINGS MATERIALS	Pozzolana	Specific gravity	IS 1727
190	MECHANICAL- BUILDINGS MATERIALS	Rebar coupler	Tensile strength	IS 1608 (Part 1)
191	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	0.2% Proof stress	IS 1608 (Part 1)
192	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Bend test	IS 1599
193	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Elongation	IS 1608 (Part 1)
194	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Mass per metre	IS 1786
195	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Rebend test	IS 1786:
196	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Tensile Strength	IS 1608 (Part 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
197	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic road marking material & glass beads	Binder content	ASTM D4797
198	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic road marking material & glass beads	Cracking resistance	AASHTO T250
199	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic road marking material & glass beads	Drying time	Mosrrth 5th revision Cl: 802.4.1.2
200	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic road marking material & glass beads	Free flow test	Mosrth 5th revision Cl: 803.4.2.4
201	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic road marking material & glass beads	Glass bead content	ASTM D4797
202	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic road marking material & glass beads	Grading of glass beads (1.18mm to 150 microns)	ASTM-D1214-2010
203	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic road marking material & glass beads	Skid resistance	BS EN 1436
204	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic road marking material & glass beads	Softening point	ASTM D36
205	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic/Vitrified)	Dimension: Thickness	IS 13630 (Part 1)
206	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic/Vitrified)	Breaking strength	IS 13630 (Part 6)
207	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic/Vitrified)	Dimension: Length	IS 13630 (Part 1)
208	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic/Vitrified)	Dimension: Width	IS 13630 (Part 1)
209	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic/Vitrified)	Modulus of rupture	IS 13630 (Part 6)
210	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic/Vitrified)	Mohr's Hardness	IS 13630 (Part 13)
211	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic/Vitrified)	Water Absorption	IS 13630 (Part 2)
212	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strand (Seven Ply for Prestressed concrete)	0.2% Proof load	Is 1608 (Part 1)
213	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strand (Seven Ply for Prestressed concrete)	Area of strand	IS 14268
214	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HT Strand (Seven Ply for Prestressed concrete)	Diameter of strand	IS 14268

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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
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HT Strand (Seven Ply for Prestressed concrete)	Load at 1% extension	IS 1608 (Part 1)
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HT Strands (Seven Ply for prestressed concrete)	Breaking Load	IS 1608 (Part 1)
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HT Strands (Seven Ply for prestressed concrete)	Lay length	IS 14268
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HT Strands (Seven Ply for prestressed concrete)	Mass of strand	IS 14268
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HT Strands (Seven Ply for prestressed concrete)	Modulus of elasticity	IS 14268
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild and medium tensile steel	Bend test	IS 1599
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild and medium tensile steel	Elongation	IS 1608 (Part 1)
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild and medium tensile steel	Mass per metre	IS 1732
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild and medium tensile steel	Tensile strength	IS 1608 (Part 1)
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild and medium tensile steel	Yield Stress	IS 1608 (Part 1)
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strutcural steel (Angle/Plate/ISMB/ISMC/BAR SECTION/MS PIPE)	Bend test	IS 1599
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strutcural steel (Angle/Plate/ISMB/ISMC/BAR SECTION/MS PIPE)	Elongation	IS 1608 (Part 1)
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strutcural steel (Angle/Plate/ISMB/ISMC/BAR SECTION/MS PIPE)	Outer diameter	IS 1161
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strutcural steel (Angle/Plate/ISMB/ISMC/BAR SECTION/MS PIPE)	Straightness	IS 1161

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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
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strutcural steel (Angle/Plate/ISMB/ISMC/BAR SECTION/MS PIPE)	Tensile strength	IS 1608 (Part 1)
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strutcural steel (Angle/Plate/ISMB/ISMC/BAR SECTION/MS PIPE)	Unit weight	IS 1161, IS 808 , IS 1732
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strutcural steel (Angle/Plate/ISMB/ISMC/BAR SECTION/MS PIPE)	Wall thickness	IS 1161
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strutcural steel (Angle/Plate/ISMB/ISMC/BAR SECTION/MS PIPE)	Yield stress	IS 1608 (Part 1)
233	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (Part 5)
234	MECHANICAL- SOIL AND ROCK	Bentonite	Plastic limit	IS 2720 (Part 5)
235	MECHANICAL- SOIL AND ROCK	Natural building stone	Apparent Porosity	IS 1124
236	MECHANICAL- SOIL AND ROCK	Natural building stone	Apparent Specific Gravity	IS 1124
237	MECHANICAL- SOIL AND ROCK	Natural building stone	Compressive strength	IS: 1121 (Part 1)
238	MECHANICAL- SOIL AND ROCK	Natural building stone	Modulus of rupture	ASTM C99
239	MECHANICAL- SOIL AND ROCK	Natural building stone	Mohr's Hardness	IS 13630 (Part 13)
240	MECHANICAL- SOIL AND ROCK	Natural building stone	True Porosity	IS 1124
241	MECHANICAL- SOIL AND ROCK	Natural building stone	True specific gravity	IS 1122
242	MECHANICAL- SOIL AND ROCK	Natural building stone	Water Absorption	IS 1124
243	MECHANICAL- SOIL AND ROCK	Rock	Dry Density using Saturation & Buoyancy Techniques	IS 13030
244	MECHANICAL- SOIL AND ROCK	Rock	Porosity using Saturation & Buoyancy Techniques	IS 13030
245	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143

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246	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
247	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Direct Shear Test Angle of Shearing Resistance	IS: 2720 (Part 13)
248	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Direct Shear Test Cohesion	IS: 2720 (Part 13)
249	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Free Swelling Index	IS 2720 (Part 40)
250	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Grain Size Analysis (Hydrometer Analysis): Particle Size Distribution	IS 2720 (Part 4)
251	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Hydrometer analysis: Particle size	IS 2720 (Part 4)
252	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Light Compaction: Maximum dry density	IS 2720 (Part 7)
253	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Light Compaction: Optimum moisture content	IS 2720 (Part 7)
254	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Permeability Test	IS 2720 (Part 17)
255	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Shrinkage Limit	IS 2720 (Part 6)
256	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Specific Gravity	IS 2720 (Part 3)
257	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Standard penetration test	IS 2131
258	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Swell Pressure (Constant Volume Method)	IS 2720 (Part 41)
259	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Triaxial Compression: Cohesion	IS 2720 (Part 12)
260	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Triaxial Shear Test: Angle of shearing resistance	IS 2720 (Part 12)
261	MECHANICAL- SOIL AND ROCK	Soil/Morrum	Water Content	IS 2720 (Part 2)
262	MECHANICAL- SOIL AND ROCK	Soil/Morrum/GSB	California Bearing Ratio (CBR)	IS 2720 (Part 16)
263	MECHANICAL- SOIL AND ROCK	Soil/Morrum/GSB	Field density test by core cutter method	IS 2720 (Part 29)

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264	MECHANICAL- SOIL AND ROCK	Soil/Morrum/GSB	Field density test by sand replacement method	IS 2720 (Part 28)
265	MECHANICAL- SOIL AND ROCK	Soil/Morrum/GSB/WMM/WBM/CRM	Grain Size Analysis (75mm to 75 microns)	IS 2720 (Part 4)
266	MECHANICAL- SOIL AND ROCK	Soil/Morrum/GSB/WMM/WBM/CRM	Heavy Compaction: Maximum dry density	IS 2720 (Part 8)
267	MECHANICAL- SOIL AND ROCK	Soil/Morrum/GSB/WMM/WBM/CRM	Heavy Compaction: Optimum Moisture content	IS 2720 (Part 8)
268	MECHANICAL- SOIL AND ROCK	Soil/Morrum/GSB/WMM/WBM/CRM	Liquid Limit	IS 2720 (Part 5)
269	MECHANICAL- SOIL AND ROCK	Soil/Morrum/GSB/WMM/WBM/CRM	Plastic Limit	IS 2720 (Part 5)
270	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Piles	Pile integrity test	ASM D5882
271	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete strcuture	Ultrasonic pulse wave velocity test	IS 516 (Part 5/Sec 1)
272	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete structures	Rebound hammer test	IS 516 (Part 5/Sec 4)