National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HITECH CIVIL TEST LABS PRIVATE LIMITED, AGRAWAL NURSERY, GENHUKHEDA 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	Cement (OPC/PPC)	Insoluble Residue (IR)	IS 4032
2	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse and Fine Aggregate)	chloride	BS EN 1744 (PART-1)
3	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse and Fine Aggregate)	Organic impurity	IS 2386 (PART-2)
4	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse and Fine Aggregate)	Potential Alkali Reactivity(i) Dissolve silica	IS 2386 (Part-7)
5	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse and Fine Aggregate)	Potential Alkali Reactivity(ii) Reduction in Alkalinity	IS 2386 (part 7)
6	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse and Fine Aggregate)	Soundness by MgSO4	IS 2386 (Part 5)
7	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse and Fine Aggregate)	Soundness by Na2SO4	IS 2386 (Part 5)
8	CHEMICAL- BUILDING MATERIAL	Aggregate (Coarse and Fine Aggregate)	Sulphate	BS EN 1744 (PART-1)
9	CHEMICAL- BUILDING MATERIAL	BITUMEN	Matter insoluble in toluene	IS 1215
10	CHEMICAL- BUILDING MATERIAL	BITUMEN	Mineral matter (Ash content)	IS 1217
11	CHEMICAL- BUILDING MATERIAL	Bitumen	Solubility in trichloroethylene	IS 1216
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Alumina (Al2O3)	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Calcium Oxide (CaO)	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Ferric Oxide (Fe2O3)	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Loss on Ignition (LOI)	IS 4032
16	CHEMICAL- BUILDING MATERIAL	CEMENT (OPC/PPC)	Magnesia (MgO)	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Potassium Oxide (K2O)	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Silica (SiO2)	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Sodium Oxide (Na2O)	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Sulphuric Anhydride (SO3)	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Total Chloride	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Construction Chemicals-Admixture	Ash Content	IS 9103
23	CHEMICAL- BUILDING MATERIAL	Construction Chemicals-Admixture	Chloride Content	IS 6925
24	CHEMICAL- BUILDING MATERIAL	Construction Chemicals-Admixture	Dry Material Content	IS 9103
25	CHEMICAL- BUILDING MATERIAL	Construction Chemicals-Admixture	pH value	IS 9103
26	CHEMICAL- BUILDING MATERIAL	Construction Chemicals-Admixture	Relative Density	IS 9103
27	CHEMICAL- BUILDING MATERIAL	Fly ash	Alumina (Al2O3)	IS 1727
28	CHEMICAL- BUILDING MATERIAL	Fly ash	Calcium oxide (CaO)	IS 1727
29	CHEMICAL- BUILDING MATERIAL	Fly ash	Iron Oxide (Fe2O3)	IS 1727
30	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on Ignition (LOI)	IS 1727
31	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesia (MgO)	IS 1727
32	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica (SiO2)	IS 1727
33	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sodium Oxide (Na2O)	IS 3812 (Part-1)
34	CHEMICAL- BUILDING MATERIAL	Fly ash	Sulphuric Anhydride (SO3)	IS 1727
35	CHEMICAL- BUILDING MATERIAL	Fly ash	Total Chloride	IS 1727
36	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Aluminium (Al)	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Carbon	IS 228 (Part 1)

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38	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Carbon (C)	ASTM E-415
39	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chromium (Cr)	ASTM E 415
40	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Cobalt (Co)	ASTM E 415
41	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Copper (Cu)	ASTM E 415
42	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Manganese	IS 228 (Part 2)
43	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Manganese (Mn)	ASTM E 415
44	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Molybdenum (Mo)	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Nickel (Ni)	ASTM E 415
46	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Niobium (Nb)	ASTM E 415
47	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Phosphorous	IS 228 (Part 3)
48	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Phosphorus (P)	ASTM E 415
49	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Silicon	IS 228 (Part 8)
50	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Silicon (Si)	ASTM E 415
51	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Sulphur (S)	ASTM E 415
52	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Vanadium (V)	ASTM E 415
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	ASTM E1086
54	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	ASTM E1086
55	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	ASTM E1086
56	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	ASTM E1086

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57	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	ASTM E1086
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	ASTM E1086
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	ASTM E1086
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	ASTM E1086
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur (S)	ASTM E1086
62	CHEMICAL- METALS & ALLOYS	Steel (TMT Bar)	Sulphur	IS 228 (Part 9)
63	CHEMICAL- SOIL AND ROCK	Soil and Rock (Clays and Soils)	Calcium Carbonate as CaCO3	IS 2720 (Part 23)
64	CHEMICAL- SOIL AND ROCK	Soil and Rock (Clays and Soils)	pH	IS 2720 (Part 26)
65	CHEMICAL- SOIL AND ROCK	Soil and Rock (Clays and Soils)	Total Soluble Solids	IS 2720 (Part 21)
66	CHEMICAL- SOIL AND ROCK	Soil and Rock (Clays and Soils)	Total Soluble Sulphates	IS 2720 (Part 27)
67	CHEMICAL- WATER	Construction Water	Acidity as NaOH	IS 3025 (PART 22)
68	CHEMICAL- WATER	Construction Water	Alkalinity as H2SO4	IS 3025 (PART 23)
69	CHEMICAL- WATER	Construction Water	Chloride	IS 3025 (Part 32)
70	CHEMICAL- WATER	Construction Water	Inorganic matter/Filterable Residue/Total Dissolved solids	IS 3025 (PART 16)
71	CHEMICAL- WATER	Construction Water	pH value	IS 3025 (PART-11)
72	CHEMICAL- WATER	Construction Water	Sulphate as SO4	IS 3025 (Part 24)
73	CHEMICAL- WATER	Construction Water	Total Suspended Solids	IS 3025 (PART 17)
74	CHEMICAL- WATER	Construction Water	Volatile and Fixed Residue /Organic matter	IS 3025 (PART 18)
75	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 (Part 4)
76	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of sand	IS 2386 (Part 3)
77	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC	Initial Setting time	IS 4031 (Part 5)

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78	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Bulk Density	IS 6441 (Part 1)
79	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441 (Part 5)
80	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension	IS 2185 (Part 3)
81	MECHANICAL- BUILDINGS MATERIALS	Aggregates	CRUSHING STRENGTH	IS 2386 Part-4
82	MECHANICAL- BUILDINGS MATERIALS	Aggregates	Polished Stone Value	IS 2386 Part-4
83	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
84	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
85	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
86	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash point	IS 1209
87	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Industrial Viscosity	IS 1206 (Part 1)
88	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
89	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
90	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
91	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
92	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Water Sensitivity	AASHTO T283
93	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability And Water Resistance	IS 8887
94	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Ductility	IS 1208
95	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility With Water	IS 8887
96	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Penetration	IS 1203

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97	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by evaporation	IS 8887
98	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 Micron IS Sieve	IS 8887
99	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Solubility in trichloroethylene	IS 1216
100	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability To mixing with cement	IS 8887
101	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability After 24 Hour	IS 8887
102	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by saybolt viscometer at 25 °C and 50 °C	IS 3117
103	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bulk Specific Gravity	ASTM: D2726
104	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow	ASTM:D6927
105	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal Stability	ASTM: D6927
106	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (L)	IS 1077
107	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (W)	IS 1077
108	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (H)	IS 1077
109	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Fly Ash Bricks	Compressive strength	IS 3495 (Part 01)
110	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
111	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
112	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting time	IS 4031 (Part 5)
113	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Blain’s Air Permeability	IS 4031 (Part 2)
114	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
115	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)

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116	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
117	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Dry Sieving	IS 4031 (Part 01)
118	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4)
119	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Abrasion Test	IS 1237
120	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimensions	IS 13801
121	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Water Absorption	IS 13801
122	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Rectangulartiy	IS 13630 Part- 1
123	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	STRAIGHTNESS	IS 13630 Part-1
124	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Flatness	IS: 13630 Part-01
125	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Surface Abrasion	IS 13630 Part-11
126	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Tiles center Curvature	IS: 13630 Part-1
127	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Warpage of Tiles	IS 13630 Part- 1
128	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
129	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 01)
130	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
131	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (Part 4)
132	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate abrasion Value by Los Angles	IS 2386 (Part 4)
133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay lump	IS 2386 (Part 2)
134	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 01)

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135	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 40 mm)	IS 2386 (Part 1)
136	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
137	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping value	IS 6241 (RA:2017)
138	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
139	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive strength by accelerated curing	IS 9013
140	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength Core	IS 516 (Part 4)
141	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength of cube	IS 516
142	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516
143	MECHANICAL- BUILDINGS MATERIALS	Cube and Core	Split Tensile Strength	IS 5816
144	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
145	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	% Finer than 75 µ	IS 2386 (Part 01)
146	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lump	IS 2386 (Part 2)
147	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (75 micron to 4.75 mm)	IS 2386 (Part 1)
148	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
149	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
150	MECHANICAL- BUILDINGS MATERIALS	Fly ash (Pulverized fuel ash)	Specific gravity	IS 1727
151	MECHANICAL- BUILDINGS MATERIALS	Fly ash (Pulverized fuel ash)	Compressive Strength	IS 1727
152	MECHANICAL- BUILDINGS MATERIALS	Fly ash (Pulverized fuel ash)	Fineness by Blain's Air Permeability	IS 1727

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153	MECHANICAL- BUILDINGS MATERIALS	Fly ash (Pulverized fuel ash)	Fineness by Sieving (particle retained on 45 micron sieve wet sieving)	IS 1727
154	MECHANICAL- BUILDINGS MATERIALS	Fly ash (Pulverized fuel ash)	Soundness	IS 1727
155	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Compacting Factor Test	IS 1199 Part-2
156	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Density test	IS 1199 Part-3
157	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Final Setting Time	IS 1199 Part-7
158	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Initial Setting Time	IS 1199 Part-7
159	MECHANICAL- BUILDINGS MATERIALS	Fresh concrete	Slump Test	IS 1199 Part 2
160	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion Resistance	IS 15658 Annex-E
161	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
162	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions	IS 15658
163	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS 15658
164	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
165	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen (PMB)	Elastic Recovery at 15 °C	IRC SP 53:2010 Annex 2
166	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen (PMB)	Elastic Recovery at 15 °C	IS 15462
167	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen (PMB)	Elastic Recovery at 25 °C	IS 15462
168	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen (PMB)	Flash Point(open cleveland cup)	IS 1448 (Part 69)
169	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen (PMB)	Increase In softening Point	IS 1205
170	MECHANICAL- BUILDINGS MATERIALS	polymer modified bitumen (PMB)	Loss in Mass (TFOT Residue)	IS 9382

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171	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen (PMB)	Penetration @ 25 °C, 0.1mm 100g, 5S	IS 1203
172	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen (PMB)	Reduction in penetration of residue, at 25 °C	IS 1203
173	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen (PMB)	Separation ,Difference In Softening Point, R&B °C	IRC SP 53:2010 Annex 3
174	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen (PMB)	Separation ,Difference In Softening Point, R&B °C	IS 15462
175	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen (PMB)	Softening point (R &B)	IS 1205
176	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash –Lime Bricks	Dimension (H)	IS 12894
177	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash –Lime Bricks	Dimension (L)	IS 12894
178	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash –Lime Bricks	Dimension (W)	IS 12894
179	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Binder Content	BS :3262 (part-1) Appendix C
180	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Cracking Resistance	Morth
181	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Drying Time	MORTH
182	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Flash Point(open Cleveland cup)	IS 1448 Part-69
183	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Flow Resistance	BS 3262 (Part 1)
184	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Free Flowing Properties	MORTH Sec 803.4.2.4
185	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Roundness	BS 6088
186	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Skid Resistance Test	BS 3262 (Part 1)
187	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Softening point	1205
188	MECHANICAL- BUILDINGS MATERIALS	Thermoplastic Road Marking Material	Solid Glass Beads Content	BS :3262 (part 1) Appendix D

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189	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Couplers	Ultimate Tensile Strength	IS 1608 (Part 1)
190	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/ Structural Steel	Bend	IS 1599
191	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/ Structural Steel	Elongation	IS 1608 (Part 1)
192	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/ Structural Steel	Re-Bend	IS 1786
193	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/ Structural Steel	Tensile Strength	IS 1608 (Part 1)
194	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/ Structural Steel	Yield Stress	IS 1608 (Part 1)
195	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/Structural Steel	Weight / meter	IS 1786
196	MECHANICAL- SOIL AND ROCK	Rock	Point Load Test	IS 8764
197	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1122
198	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength Test of Rock	IS 9143
199	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
200	MECHANICAL- SOIL AND ROCK	Soil	Constant Head Permeability test	IS: 2720 Part- 17
201	MECHANICAL- SOIL AND ROCK	Soil	C.B.R. value	IS 2720 (Part 16)
202	MECHANICAL- SOIL AND ROCK	Soil	consolidation	IS 2720 (Part 15)
203	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Cohesion)	IS 2720
204	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (f)	IS 2720 (Part 13)

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
205	MECHANICAL- SOIL AND ROCK	Soil	Falling Head Permeability Test	IS : 2720 Part-17
206	MECHANICAL- SOIL AND ROCK	Soil	Free Swelling Index	IS 2720 (Part 40)
207	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
208	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS 2720 (Part 8)
209	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 (Part 8)
210	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 (Part 7)
211	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 (Part 7)
212	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
213	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
214	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
215	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS : 2720 Part -6
216	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
217	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 Part 41
218	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (Cohesion)	IS 2720 (Part 11)
219	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (f)	IS 2720
220	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength of Soil	IS 2720 (Part 10)
221	MECHANICAL- SOIL AND ROCK	Soil	Vane Shear Test	IS 2720 (Part 30)
222	MECHANICAL- SOIL AND ROCK	Stones/ Rock	Porosity	IS 13030
223	MECHANICAL- SOIL AND ROCK	Stones/ Rock	Tensile Strength	IS 10082

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
224	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structural Members	Carbonation	BS 1881 (Part 201)

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
Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil Testing	Standard Penetration Test	IS 2131
2	MECHANICAL- SOIL AND ROCK	Soil-Field	Electrical Resistivity Test	IS 3043
3	MECHANICAL- SOIL AND ROCK	Soil-Field	Plate Load Test	IS 1888
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structural Members	Cover Meter Depth	BS 1881-204
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structural Members	Carbonation	BS 1881 (Part 201)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structural Members	Rebound Hammer	IS 13311 (Part 2)
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structural Members	Ultrasonic Pulse Velocity	IS 516 (Part 5)
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Deflection Measurement - Bridge Load Test	IRC SP 51
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Pile Integrity Test	IS 14893