National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HITECH SCIENTIFIC CORPORATION, B/XI/43-44, AUTOMOBILE NAGAR, JAIPUR, RAJASTHAN, 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	Bitumen Emulsion	Viscosity by Saybolt furol viscometer at 25°C	IS 3117
2	CHEMICAL- BUILDING MATERIAL	Micro Silica	Silica content	ASTM C 1240 SEC 10
3	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS 6925
4	CHEMICAL- BUILDING MATERIAL	Admixture	Ash content	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Dry material content	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Admixture	pH Value	IS 9103
7	CHEMICAL- BUILDING MATERIAL	Admixture	Relative density	IS 9103
8	CHEMICAL- BUILDING MATERIAL	Antistripping Agent	Indirect tensile strength ratio	IS 14982
9	CHEMICAL- BUILDING MATERIAL	Antistripping Agent	Thermal stability at 163°C, 24 h	IS 14982
10	CHEMICAL- BUILDING MATERIAL	Antistripping Agent	Wet Strength	IS 14982
11	CHEMICAL- BUILDING MATERIAL	Antistripping Agents	Flash point (COC)	IS 1448 (PART-69)
12	CHEMICAL- BUILDING MATERIAL	Antistripping Agents	Pour point	IS 1448 (PART-10)SEC. 2
13	CHEMICAL- BUILDING MATERIAL	Antistripping Agents	Solubility in HSD	IS 14982
14	CHEMICAL- BUILDING MATERIAL	Antistripping Agents	Specific Gravity 27ºC	IS 1202
15	CHEMICAL- BUILDING MATERIAL	Antistripping Agents	Stripping value	IS 6241
16	CHEMICAL- BUILDING MATERIAL	Antistripping Agents	Under water coating test with 1% anti-stripping agents For sprayed work	IS 14982
17	CHEMICAL- BUILDING MATERIAL	Antistripping Agents	Water Content	IS 1211
18	CHEMICAL- BUILDING MATERIAL	Bitumen	Absolute Viscosity at 60°C	IS 1206 (PART-2)

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19	CHEMICAL- BUILDING MATERIAL	Bitumen	Ductility Test at 25°C	IS 1208
20	CHEMICAL- BUILDING MATERIAL	Bitumen	Flash Point (COC)	IS 1448 (PART-69)
21	CHEMICAL- BUILDING MATERIAL	Bitumen	Kinematic Viscosity at 135°C	IS 1206 (PART-3)
22	CHEMICAL- BUILDING MATERIAL	Bitumen	Penetration Test	IS 1203
23	CHEMICAL- BUILDING MATERIAL	Bitumen	Softening Point	IS 1205
24	CHEMICAL- BUILDING MATERIAL	Bitumen	Solubility in Trichloroethylene	IS 1216
25	CHEMICAL- BUILDING MATERIAL	Bitumen	Specific Gravity at 25°C	IS 1202
26	CHEMICAL- BUILDING MATERIAL	Bitumen	Viscosity ratio at 60°C	IS 1206 (part-2)1978
27	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Coagulation of emulsion	IS 8887
28	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Coating ability and water resistance	IS 8887
29	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Distillation a) At 190 ºC b) At 225 ºC c)At 260 ºC d) At 316ºC e) Residue At 360ºC	IS 1213
30	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Ductility at 27°C	IS 1208
31	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Miscibility with water	IS 8887
32	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Particle Charge	IS 8887
33	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Penetration at 25°C	IS 1203
34	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Residue on 600 micron	IS 8887
35	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Solubility in Trichloroethylene	IS 1216
36	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Stability to Mixing with Cement	IS 8887

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37	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Storage stability after 24 Hrs.	IS 8887
38	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Tests on Residue Residue by Evaporation	IS 8887
39	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	Viscosity by Saybolt furol viscometer at 50°C	IS 3117
40	CHEMICAL- BUILDING MATERIAL	Bitumen Emulsion	water content	IS 1211
41	CHEMICAL- BUILDING MATERIAL	Bitumen Mix	Bitumen Content	IRC SP 11
42	CHEMICAL- BUILDING MATERIAL	Bitumen Mix	Marshall Stability & Flow	ASTM - D 1559
43	CHEMICAL- BUILDING MATERIAL	Bitumen mix	Retained Tensile strength	AASTHO T 283
44	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	Alumina	IS 4032
45	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	calcium oxide	IS 4032
46	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	Chloride	IS 4032
47	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	Free lime content	IS 4032
48	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	Insoluble Residue	IS 4032
49	CHEMICAL- BUILDING MATERIAL	cement (OPC,PPC,PSC)	Iron oxide	IS 4032
50	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	loss on Ignition	IS 4032
51	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	magnesia	IS 4032
52	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	Potassium Oxide	IS 4032
53	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	Silica	IS 4032
54	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	Sodium Oxide	IS 4032
55	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC,PSC)	Sulphuric Anhydride	IS 4032

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56	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Acid Soluble Sulphate	DIN EN 1744 (PART-1)
57	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity(Determination of potential reactivity of aggregates) (a) Reduction in alkalinity (b) Dissolved Silica	IS 2386 (PART-7)
58	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Water Soluble Chloride	DIN EN 1744 (PART-1)
59	CHEMICAL- BUILDING MATERIAL	Curing Compound	Surface drying time	ASTM C- 309
60	CHEMICAL- BUILDING MATERIAL	Curing Compound	Water Retention	ASTM C- 156
61	CHEMICAL- BUILDING MATERIAL	Fine Aggregate (Sand)	Acid Soluble Sulphate	DIN EN 1744 (P-1)
62	CHEMICAL- BUILDING MATERIAL	Fine Aggregate (Sand)	Alkali Aggregate Reactivity(Determination of potential reactivity of aggregates) (a) Reduction in alkalinity (b) Dissolved Silica	IS 2386 (PART-7)
63	CHEMICAL- BUILDING MATERIAL	Fine Aggregate (Sand)	Organic Impurities	IS 2386 (PART-2)
64	CHEMICAL- BUILDING MATERIAL	Fine Aggregate (Sand)	Water Soluble Chloride	DIN EN 1744 (P-1)
65	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica	IS 1727
66	CHEMICAL- BUILDING MATERIAL	Fly Ash	Alumina	IS 1727
67	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide	IS 1727
68	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride	IS 4032
69	CHEMICAL- BUILDING MATERIAL	Fly Ash	Ferric Oxide	IS 1727
70	CHEMICAL- BUILDING MATERIAL	fly ash	Loss on Ignition	IS 1727
71	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia	IS 1727
72	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride	IS 1727

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73	CHEMICAL- BUILDING MATERIAL	Glass beads	Free flowing properties	BS 3262 (part-I)
74	CHEMICAL- BUILDING MATERIAL	Glass beads	Gradation	BS 3262 (part-I)
75	CHEMICAL- BUILDING MATERIAL	Glass beads	Refractive index	BS 3262 (part-I)
76	CHEMICAL- BUILDING MATERIAL	Glass beads	Roundness	BS 3262 (part-I)
77	CHEMICAL- BUILDING MATERIAL	HARDENED CONCRETE	Acid Soluble Chloride	IS 14959 (part-2)
78	CHEMICAL- BUILDING MATERIAL	Lime	Available lime as CaO	IS: 1514
79	CHEMICAL- BUILDING MATERIAL	Lime	Calcium Oxide	IS 6932 (PART-1)
80	CHEMICAL- BUILDING MATERIAL	Lime	Ferric & Alumina oxide	IS 6932(PART-1)
81	CHEMICAL- BUILDING MATERIAL	Lime	Free moisture content	IS: 1514
82	CHEMICAL- BUILDING MATERIAL	Lime	Insoluble residue dilute acid & alkali	IS 6932 (PART-1)
83	CHEMICAL- BUILDING MATERIAL	Lime	Loss in Ignition	is 6932(PART-1)
84	CHEMICAL- BUILDING MATERIAL	Lime	Magnesium oxide	IS 6932 (PART-1)
85	CHEMICAL- BUILDING MATERIAL	Lime	Silicon dioxide	IS 6932 (PART-1)
86	CHEMICAL- BUILDING MATERIAL	Micro Silica	Chloride content	IS 4032
87	CHEMICAL- BUILDING MATERIAL	Micro Silica	Insoluble residue	ASTM C 114
88	CHEMICAL- BUILDING MATERIAL	Micro Silica	Loss on ignition	ASTM C 1240 Sec.11
89	CHEMICAL- BUILDING MATERIAL	Micro Silica	Moisture content	ASTM C 1240 Sec.11
90	CHEMICAL- BUILDING MATERIAL	Micro Silica	Sulphur Trioxide	IS 1727
91	CHEMICAL- BUILDING MATERIAL	Modified Bitumen	Elastic recovery of half thread in ductilometer at 15ºc,	IS 15462 Annex-A

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92	CHEMICAL- BUILDING MATERIAL	Modified Bitumen	Flash point COC	IS 1448 (PART-69)
93	CHEMICAL- BUILDING MATERIAL	Modified Bitumen	Penetration at 25°C	IS 1203
94	CHEMICAL- BUILDING MATERIAL	Modified Bitumen	Softening point (R&B) °C	IS 1205
95	CHEMICAL- BUILDING MATERIAL	Polymer & Rubber Modified bitumen	Elastic Recovery of half thread in ductilometer at 25°C	IS 15462
96	CHEMICAL- BUILDING MATERIAL	Polymer & Rubber Modified bitumen	Increase in Softening Point	IS 1205
97	CHEMICAL- BUILDING MATERIAL	Polymer & Rubber Modified bitumen	Reduction in Penetration of Residue at 25oC	IS 1203
98	CHEMICAL- BUILDING MATERIAL	Polymer & Rubber Modified bitumen	Thin film oven Test & Test on residue Loss in Mass	IS 9382
99	CHEMICAL- BUILDING MATERIAL	Polymer & Rubber Modified bitumen	Viscosity at 150°C (Absolute Viscosity)	IS 1206 (PART-2)
100	CHEMICAL- BUILDING MATERIAL	Sealing compound	Penetration	IS 1834
101	CHEMICAL- BUILDING MATERIAL	Sealing compound	Pour point	IS 1834
102	CHEMICAL- BUILDING MATERIAL	Thermoplastic traffic line material	Binder content	BS 3262 (part 1)
103	CHEMICAL- BUILDING MATERIAL	Thermoplastic Traffic Line Material	Calcium carbonate and inert filler	AASTO-M 249
104	CHEMICAL- BUILDING MATERIAL	Thermoplastic Traffic Line Material	Day light Luminance at 45°C	AASTO-M 249
105	CHEMICAL- BUILDING MATERIAL	Thermoplastic Traffic Line Material	Drying time	AASTO-M 249
106	CHEMICAL- BUILDING MATERIAL	Thermoplastic traffic line material	Glass bead content	AASTHO T-250
107	CHEMICAL- BUILDING MATERIAL	Thermoplastic Traffic Line Material	Skid resistance	AASTO-M 249
108	CHEMICAL- BUILDING MATERIAL	Thermoplastic traffic line material	Softening point	ASTM D36
109	CHEMICAL- BUILDING MATERIAL	Thermoplastic Traffic Line Material	Titanium di oxide	AASTO-M 249
110	CHEMICAL- BUILDING MATERIAL	Thermoplastic Traffic Line Material	Yellowness Index	AASTO-M 249

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111	CHEMICAL- METALS & ALLOYS	Low alloy Steel / Plain Carbon Steel	Sulphur	IS 228 (PART-9)
112	CHEMICAL- METALS & ALLOYS	Low alloy Steel / Plain Carbon Steel	Phosphorus	IS 228 (PART-3)
113	CHEMICAL- METALS & ALLOYS	Low alloy Steel / Plain Carbon Steel	Carbon	IS 228 (PART-1)
114	CHEMICAL- METALS & ALLOYS	Low alloy Steel / Plain Carbon Steel	Manganese	IS 228 (PART-2)
115	CHEMICAL- METALS & ALLOYS	Low alloy Steel / Plain Carbon Steel	Silicon	IS 228 (PART-8)
116	CHEMICAL- METALS & ALLOYS	Low alloy Steel / Plain Carbon Steel/structural steel/MBCB	Chromium	IS:228(Part-6)
117	CHEMICAL- METALS & ALLOYS	Low alloy Steel / Plain Carbon Steel/structural steel/MBCB	Copper	IS:228(Part-15)
118	CHEMICAL- METALS & ALLOYS	Low alloy Steel / Plain Carbon Steel/structural steel/MBCB	Molybdenum	IS:228(Part-7)
119	CHEMICAL- METALS & ALLOYS	Low alloy Steel / Plain Carbon Steel/structural steel/MBCB	Nickel	IS:228(Part-5)
120	CHEMICAL- METALS & ALLOYS	Low alloy Steel / Plain Carbon Steel/structural steel/MBCB	Vanadium	BCA C 4.1
121	CHEMICAL- METALS & ALLOYS	Strand wire	Phosphorus	IS : 228 (P-3)
122	CHEMICAL- METALS & ALLOYS	Strand wire	Sulphur	IS : 228 (P-9)
123	CHEMICAL- METALS & ALLOYS	Structural Steel/MBCB	Carbon content	IS : 228 (P-1)
124	CHEMICAL- METALS & ALLOYS	Structural Steel/MBCB	Manganese content	IS : 228 (P-2)
125	CHEMICAL- METALS & ALLOYS	Structural Steel/MBCB	Phosphorus content	IS : 228 (P-3)
126	CHEMICAL- METALS & ALLOYS	Structural Steel/MBCB	Silicon content	IS : 228 (P-8)
127	CHEMICAL- METALS & ALLOYS	Structural Steel/MBCB	Sulphur content	IS : 228 (P-9)
128	CHEMICAL- SOIL AND ROCK	Bentonite	Gel formation index	IS 6186
129	CHEMICAL- SOIL AND ROCK	Bentonite	pH	IS 6186

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130	CHEMICAL- SOIL AND ROCK	SOIL	Calcium carbonate	IS 2720 (PART-23)
131	CHEMICAL- SOIL AND ROCK	SOIL	Nitrate content	IS 14684:1999 RA 2014
132	CHEMICAL- SOIL AND ROCK	SOIL	Nitrogen	IS 14684
133	CHEMICAL- SOIL AND ROCK	SOIL	Organic matter	IS 2720 (PART-22)
134	CHEMICAL- SOIL AND ROCK	SOIL	pH	IS 2720 (PART-26)
135	CHEMICAL- SOIL AND ROCK	SOIL	Total Soluble Sulphate	IS 2720 (PART-27)
136	CHEMICAL- SOIL AND ROCK	SOIL	Total Soluble Solids	IS 2720 (PART-21)
137	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS:3025(P-32)
138	CHEMICAL- WATER	Water for construction purpose	Inorganic Matter	IS:3025(Part-18)
139	CHEMICAL- WATER	Water for construction purpose	Organic Matter	IS:3025(Part-18)
140	CHEMICAL- WATER	Water for construction purpose	pH	IS:3025(P-11)
141	CHEMICAL- WATER	Water for construction purpose	Sulphates Content	IS:3025(P-24)
142	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS:3025(Part-17)
143	CHEMICAL- WATER	Water for construction purpose	Volume of 0.02N H2SO4 required to neutralize 100ml sample of water	IS:3025(Part-23)
144	CHEMICAL- WATER	Water for construction purpose	Volume of 0.02N NaoH required to neutralize 100ml sample of water	IS:3025(Part-22)
145	MECHANICAL- BUILDINGS MATERIALS	7 ply strand wire	Area of strand	IS 14268 Annex-B
146	MECHANICAL- BUILDINGS MATERIALS	Brick	DIMENSION & TOLERENCES	IS 1077
147	MECHANICAL- BUILDINGS MATERIALS	Brick	EFFLORESCENCE	IS 3495 (PART-3)
148	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (PART-2)
149	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS 3495 (PART-1)

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150	MECHANICAL- BUILDINGS MATERIALS	Cement	COMPRESSIVE STRENGTH	IS 4031 (PART-6)
151	MECHANICAL- BUILDINGS MATERIALS	Cement	DENSITY	IS 4031 (PART-11)
152	MECHANICAL- BUILDINGS MATERIALS	Cement	DRYING SHRINKAGE	IS 4031 (PART-10)
153	MECHANICAL- BUILDINGS MATERIALS	Cement	FINENESS (BY BLAINE AIR)	IS 4031 (PART-2)
154	MECHANICAL- BUILDINGS MATERIALS	Cement	FINENESS TEST (DRY SIEVING)	IS 4031 (PART-1)
155	MECHANICAL- BUILDINGS MATERIALS	Cement	SETTING TIME (INITIAL & FINAL)	IS 4031 (PART-5)
156	MECHANICAL- BUILDINGS MATERIALS	Cement	SOUNDNESS (LE-CHATELIER METHOD)	IS 4031 (PART-3)
157	MECHANICAL- BUILDINGS MATERIALS	Cement	SOUNDNESS BY AUTOCLAVE	IS 4031 (PART-3)
158	MECHANICAL- BUILDINGS MATERIALS	Cement	STANDARD CONSISTENCY	IS 4031 (PART-4)
159	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Tiles	DIMENSION	IS:1237
160	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Tiles	FLATNESS OF SURFACE	IS:1237
161	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Tiles	PERPENDICULARITY	IS:1237:2012
162	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Tiles	STRAIGHTNESS	IS:1237
163	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Tiles	THICKNESS OF WEARING SURFACE	IS 1237
164	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Tiles	WATER ABSORPTION	IS 1237
165	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Tiles	WET TRANSVERSE STRENGTH	IS 1237
166	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% FINE VALUE	IS 2386 PART -4
167	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	BULK DENSITY	IS 2386 PART-3
168	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	CLAY LUMPS	IS 2386 PART-2

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169	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	CLAY, FINE SILT & FINE DUST (SEDIMENTATION METHOD)	IS 2386 PART-2
170	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	CRUSHING VALUE	IS 2386 PART -4
171	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 PART 1
172	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	FLAKINESS INDEX	IS 2386 PART 1
173	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	IMPACT VALUE	IS 2386 PART-4
174	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	LOS ANGLES ABRASION VALUE	IS 2386 PART- 4
175	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	MATERIAL FINER THAN 75 MICRON	IS 2386 PART -1
176	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	PETROGRAPHIC EXAMINATION	IS 2386 PART-8
177	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	SIEVE ANALYSIS (80 mm to 2.36 mm)	IS 2386 PART 1
178	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	SOFT PARTICLES	IS 2386 PART-2
179	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	SOUNDNESS	IS 2386 PART -5
180	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	SPECIFIC GRAVITY	IS 2386 PART-3
181	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	STONE POLISHING VALUE	BS 812(P-114)
182	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	STRIPPING VALUE	IS 6241
183	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	WATER ABSORPTION	IS 2386 PART-3
184	MECHANICAL- BUILDINGS MATERIALS	Concrete	Accelerated Curing of Concrete for compressive strength	IS 9013
185	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength of Cubes	IS 516
186	MECHANICAL- BUILDINGS MATERIALS	Concrete	Drying shrinkage	IS 516(P-6)
187	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516

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188	MECHANICAL- BUILDINGS MATERIALS	Concrete	Moisture movement	IS 516(P-6)
189	MECHANICAL- BUILDINGS MATERIALS	Concrete	Split tensile strength	IS 5816
190	MECHANICAL- BUILDINGS MATERIALS	Concrete	water permeability	BS EN 12390
191	MECHANICAL- BUILDINGS MATERIALS	Concrete	Water Permeability	IS 516 Part 2 /Sec 1
192	MECHANICAL- BUILDINGS MATERIALS	Concrete	Workability by Slump Test	IS 1199(P-1)
193	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	BULK DENSITY	IS 2386 PART-3
194	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	BULKING OF SAND	IS 2386 PART-3
195	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	CLAY LUMPS	IS 2386 (PART-2)
196	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	CLAY, FINE SILT & FINE DUST (SEDIMENTATION METHOD)	IS 2386 (PART-2)
197	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	MATERIAL FINER THAN 75 MICRON	IS 2386 (PART-1)
198	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	PERTOGRAPHIC EXAMINATION	IS 2386 (PART-8)
199	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	SIEVE ANALYSIS (10 mm to 0.150 mm)	IS 2386 PART-1
200	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	SILT CONTENT BY VOLUMETRIC METHOD	CPWD (VOL-1) CLAUSE-3.1.3.2 (APPENDIX-C)
201	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS 2386 (PART-5)
202	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	SPECIFIC GRAVITY	IS 2386 (PART-3)
203	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water absorption	IS 2386 (PART-3)
204	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate/Soil	Sand Equivalent Value	IS 2720 (PART-37)
205	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Compressive Strength	IS:1727
206	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Drying Shrinkage	IS:1727

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207	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness (By Blain Air)	IS:1727
208	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Lime Reactivity	IS:1727
209	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Moisture Content	IS 2720 (PART-2)
210	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness (Le-Chatelier Method)	IS 4031 (PART-3)
211	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Autoclave	IS 4031 (PART-3)
212	MECHANICAL- BUILDINGS MATERIALS	GSB,WMM	IMPACT VALUE	IS 2386 PART-4
213	MECHANICAL- BUILDINGS MATERIALS	GSB,WMM	WATER ABSORPTION	IS 2386 PART-3
214	MECHANICAL- BUILDINGS MATERIALS	GSB/WBM/WMM/CTSB/RAP/BLANKET	Permeability	IS 2720 PART-17
215	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	California bearing ratio	IS 2720 (part-16)
216	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Elongation Index	IS 2386 PART 1
217	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Flakiness Index	IS: 2386 (part-I)
218	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Gradation	IS: 2386 (part-1)
219	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Liquid limit	IS 2720 (part-5)
220	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Los angles abrasion value	IS: 2386 (part-4)
221	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Maximum dry density	IS 2720 (part-8)
222	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Optimum moisture content	IS 2720 (part-8)
223	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Plastic limit	IS 2720 (part-5)
224	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Sp. gravity	IS: 2386 (part-3)
225	MECHANICAL- BUILDINGS MATERIALS	Hardened concrete	Rapid chloride permeability test	ASTM C1202

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226	MECHANICAL- BUILDINGS MATERIALS	Heavy Duty Bricks	Bulk Density	IS 2180
227	MECHANICAL- BUILDINGS MATERIALS	Lime	Compressive Strength	IS 6932 (PART-7)
228	MECHANICAL- BUILDINGS MATERIALS	Lime	Density	IS 4031 (PART-11)
229	MECHANICAL- BUILDINGS MATERIALS	Lime	Fineness (wet sieving method)	IS 6932 (PART-4)
230	MECHANICAL- BUILDINGS MATERIALS	Lime	Setting time (Initial & Final)	IS 6932 (PART-11)
231	MECHANICAL- BUILDINGS MATERIALS	Lime	Soundness	IS 6932 (PART-9)
232	MECHANICAL- BUILDINGS MATERIALS	Lime	Workability test	IS 6932(Part-8)
233	MECHANICAL- BUILDINGS MATERIALS	Metal beam crush barrier	Bend test	IS 1599
234	MECHANICAL- BUILDINGS MATERIALS	Metal beam crush barrier	Cross section area	IS: 2062
235	MECHANICAL- BUILDINGS MATERIALS	Metal beam crush barrier	Dimension	IS 2062
236	MECHANICAL- BUILDINGS MATERIALS	Metal beam crush barrier	galvanization thickness/mass of coating	IS 2062
237	MECHANICAL- BUILDINGS MATERIALS	Metal beam crush barrier	Mass per meter	IS 2062
238	MECHANICAL- BUILDINGS MATERIALS	Metal beam crush barrier	Tensile strength	IS 1608(P-1)
239	MECHANICAL- BUILDINGS MATERIALS	Metal beam crush barrier	Yield strength	IS 1608 (P-1)
240	MECHANICAL- BUILDINGS MATERIALS	Micro silica	Compressive strength at 7 days as percent of control sample (%)	IS 1727
241	MECHANICAL- BUILDINGS MATERIALS	Micro silica	Oversize percent retained on 45 micron Sieve (%)	IS 1727
242	MECHANICAL- BUILDINGS MATERIALS	modified bitumen	Separation difference in softening point	IS 15462
243	MECHANICAL- BUILDINGS MATERIALS	modified bitumen	Viscosity at 150°C	ASTM D 4402

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244	MECHANICAL- BUILDINGS MATERIALS	Paver Block	COMPRESSIVE STRENGTH	IS 15658
245	MECHANICAL- BUILDINGS MATERIALS	Paver Block	DIMENSION	IS 15658
246	MECHANICAL- BUILDINGS MATERIALS	Paver Block	THICKNESS OF WEARING SURFACE	IS 15658
247	MECHANICAL- BUILDINGS MATERIALS	Paver Block	VISUAL INSPECTION	IS 15658
248	MECHANICAL- BUILDINGS MATERIALS	Paver Block	WATER ABSORPTION	IS 15658
249	MECHANICAL- BUILDINGS MATERIALS	SOLID AND HOLLOW BLOCK	BLOCK DENSITY	IS 2185 (PART-1)
250	MECHANICAL- BUILDINGS MATERIALS	SOLID AND HOLLOW BLOCK	COMPRESSIVE STRENGTH	IS 2185 (PART-1)
251	MECHANICAL- BUILDINGS MATERIALS	SOLID AND HOLLOW BLOCK	DIMENSION	IS 2185 (PART-1)
252	MECHANICAL- BUILDINGS MATERIALS	SOLID AND HOLLOW BLOCK	WATER ABSORPTION	IS 2185 (PART-1)
253	MECHANICAL- MECHANICAL PROPERTIES OF METALS	3ply strand for pre-stressed concrete	Area of strand (mm^2)	IS 6006
254	MECHANICAL- MECHANICAL PROPERTIES OF METALS	3ply strand for pre-stressed concrete	Breaking load	IS 6006
255	MECHANICAL- MECHANICAL PROPERTIES OF METALS	3ply strand for pre-stressed concrete	Elongation	IS 6006
256	MECHANICAL- MECHANICAL PROPERTIES OF METALS	3ply strand for pre-stressed concrete	Length of lay	IS 6006
257	MECHANICAL- MECHANICAL PROPERTIES OF METALS	3ply strand for pre-stressed concrete	Nominal mass (kg/m)	IS 6006
258	MECHANICAL- MECHANICAL PROPERTIES OF METALS	3ply strand for pre-stressed concrete	Yield load /0.2% proof load	IS 6006
259	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Rebar coupler assembly	Tensile Strength	IS 16172

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260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel Bar	Bend Test	IS 1599
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel Bar	Elongation	IS 1608 (PART-1)
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel Bar	Nominal Mass	IS 1786
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel Bar	Re-Bend Test	IS 1786
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel Bar	Total Elongation at maximum force	IS 1608 (PART-1)
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	reinforcement steel bar	Tensile Strength	IS 1608 (PART-1)
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	reinforcement steel bar	Yield Stress/ 0.2% proof stress	IS 1608 (PART-1)
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven Ply Strand for Prestressed Concrete	Elongation	IS 14268
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven Ply Strand for Prestressed Concrete	Nominal Mass of Strand	IS 14268
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven Ply Strand for Prestressed Concrete	Area of strand	IS : 14268
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven Ply Strand for Prestressed Concrete	Breaking load	IS 14268
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven Ply Strand for Prestressed Concrete	Length of lay	IS 14268
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven Ply Strand for Prestressed Concrete	Yield load / 0.2% proof load	IS 14268
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural steel (Rail /Angle/channel/Dowel Bar/MS plate)	Elongation	IS 1608 (PART-1)

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274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural steel (Rail /Angle/channel/Dowel Bar/MS plate)	Tensile strength	IS 1608 (PART-1)
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural steel (Rail /Angle/channel/Dowel Bar/MS plate)	Yield strength	IS 1608 (part-1)
276	MECHANICAL- SOIL AND ROCK	BENTONITE	Fineness Dry	IS 6186
277	MECHANICAL- SOIL AND ROCK	BENTONITE	Fineness Wet	6186
278	MECHANICAL- SOIL AND ROCK	BENTONITE	Marsh cone Viscosity	ASTM D-6910
279	MECHANICAL- SOIL AND ROCK	BENTONITE	Moisture % by mass	IS 6186
280	MECHANICAL- SOIL AND ROCK	BENTONITE	Sand Content	IS 6186
281	MECHANICAL- SOIL AND ROCK	BENTONITE	Swelling Power	IS 6186
282	MECHANICAL- SOIL AND ROCK	Building stone	Compressive Strength	IS 1121 (PART-1)
283	MECHANICAL- SOIL AND ROCK	Building Stone	True Specific gravity	IS 1122
284	MECHANICAL- SOIL AND ROCK	Building Stone	Water Absorption	IS 1124
285	MECHANICAL- SOIL AND ROCK	rock	Porosity	IS 13030
286	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
287	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS 8764
288	MECHANICAL- SOIL AND ROCK	Rock	Sp. Gravity	IS 13030
289	MECHANICAL- SOIL AND ROCK	Rock	Uniaxial compressive Strength Test	IS 9143
290	MECHANICAL- SOIL AND ROCK	Rock	Water content	IS 13030
291	MECHANICAL- SOIL AND ROCK	soil	California Bearing Ratio	IS 2720 (PART-16)

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292	MECHANICAL- SOIL AND ROCK	soil	Compaction factor (Proctor test) for heavy compaction	IS 2720 (PART-8)
293	MECHANICAL- SOIL AND ROCK	soil	Compaction factor (Proctor test) for light compaction	IS 2720 (PART-7)
294	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS:2720(Part-15)
295	MECHANICAL- SOIL AND ROCK	soil	Direct Shear Test (UU)	IS 2720 (PART-13)
296	MECHANICAL- SOIL AND ROCK	soil	Free Swell Index	IS 2720 (PART-40)
297	MECHANICAL- SOIL AND ROCK	soil	Grain Size Analysis (Hydrometer Method)	IS 2720 (PART-4)
298	MECHANICAL- SOIL AND ROCK	soil	Liquid Limit	IS 2720 (PART-5)
299	MECHANICAL- SOIL AND ROCK	soil	Permeability Test	IS 2720 (PART-36)
300	MECHANICAL- SOIL AND ROCK	soil	Plastic Limit	IS 2720 (PART-5)
301	MECHANICAL- SOIL AND ROCK	Soil	Relative Density	IS 2720 (PART-14)
302	MECHANICAL- SOIL AND ROCK	soil	Shrinkage limit	IS 2720 (PART-6)
303	MECHANICAL- SOIL AND ROCK	soil	sieve analysis (dry & wet) (100 to 0.075 mm)	IS 2720 (PART-4)
304	MECHANICAL- SOIL AND ROCK	SOIL	SPECIFIC GRAVITY (BY PYCNOMETER METHOD)	IS 2720 (PART-3) SEC-1
305	MECHANICAL- SOIL AND ROCK	soil	Swelling Pressure	IS 2720 (PART-41)
306	MECHANICAL- SOIL AND ROCK	soil	Tri-axial Compression Test without pore pressure (UU)	IS 2720 (PART-11)
307	MECHANICAL- SOIL AND ROCK	Soil	Unconfined compression test	IS 2720 (PART-10)
308	MECHANICAL- SOIL AND ROCK	soil	Water Content	IS 2720 (PART-2)
309	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Pile Integrity Test (Max. length of pile = 30 meter)	IS: 14893

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310	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete	Rebound hammer test	IS 516 (part-5)/sec-4
311	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete	ultrasonic pulse velocity test	IS 516 Part 5/Sec 1