National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CIVIL TECH VERITAS, 59-60, SHREE RANG SOCIETY, PALANPUR PATIYA, RANDER ROAD, SURAT, GUJARAT, 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	Admixture	Ash Content	IS:9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	IS:6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS:9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS:9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS:9103
6	CHEMICAL- BUILDING MATERIAL	Building Lime	Insoluble Residue (IR)	IS 6932 Part 1
7	CHEMICAL- BUILDING MATERIAL	Building Lime	Loss of Ignition (LOI)	"IS 6932 Part 1
8	CHEMICAL- BUILDING MATERIAL	Building Lime	magnesia	IS 6932 Part 1:
9	CHEMICAL- BUILDING MATERIAL	Building Lime	R2O3(Alumina oxide+Iron Oxide)	IS 6932 Part 1
10	CHEMICAL- BUILDING MATERIAL	Building Lime	Silica (SiO2)	IS 6932 Part 1
11	CHEMICAL- BUILDING MATERIAL	Building Lime	Calcium Oxide	IS 6932 Part 1
12	CHEMICAL- BUILDING MATERIAL	Cement	Alluminium Oxide (Al2O3)	IS:4032
13	CHEMICAL- BUILDING MATERIAL	Cement	Calcium Oxide (CaO)	IS:4032
14	CHEMICAL- BUILDING MATERIAL	Cement	Chloride content	IS:4032
15	CHEMICAL- BUILDING MATERIAL	Cement	Ferric Oxide (Fe2O3)	IS:4032
16	CHEMICAL- BUILDING MATERIAL	Cement	Insoluble residue as IR	IS:4032
17	CHEMICAL- BUILDING MATERIAL	Cement	Loss on ignition	IS:4032
18	CHEMICAL- BUILDING MATERIAL	Cement	Magnesia (MgO)	IS:4032

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19	CHEMICAL- BUILDING MATERIAL	Cement	Ratio of Percentage of alumina to that of Iron oxide	IS:4032
20	CHEMICAL- BUILDING MATERIAL	Cement	Ratio of percentage of lime to percentage of silica, alumina and iron oxide	IS:4032
21	CHEMICAL- BUILDING MATERIAL	Cement	Silicon dioxide (SiO2)	IS:4032
22	CHEMICAL- BUILDING MATERIAL	Cement	Total sulphur content calculated as sulphuric anhydride (SO3)	IS:4032
23	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/ Fine Aggregate	Chloride	BS:EN 1744-1 CE
24	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/ Fine Aggregate	Sulphate	BS 812: P-118
25	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/Fine Aggregate	pH	FM-45
26	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/Fine Aggregate	Alkali Aggregate Reactivity - Dissolved Silica	IS 2386 (Part-7)
27	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/Fine Aggregate	Alkali Aggregate Reactivity - Reduction in Alkalinity	IS 2386 (Part-7):
28	CHEMICAL- BUILDING MATERIAL	Concrete / Mortar	Choloride	ASTM C1218
29	CHEMICAL- BUILDING MATERIAL	Curing Compound	pH Value	BS 7542
30	CHEMICAL- BUILDING MATERIAL	Curing Compound	VOC content	ASTM D 3960
31	CHEMICAL- BUILDING MATERIAL	Fine Aggregates	Organic Impurities	IS 2386 Part 2
32	CHEMICAL- BUILDING MATERIAL	Fly ash	Aluminium Oxide (AL2O3) + Iron Oxide (Fe2O3) =R2O3	IS: 1727
33	CHEMICAL- BUILDING MATERIAL	Fly ash	Calcium Oxide (CaO)	IS: 1727
34	CHEMICAL- BUILDING MATERIAL	Fly ash	Chlorides	IS 4032
35	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS: 1727
36	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesium oxide as MgO	IS: 1727

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37	CHEMICAL- BUILDING MATERIAL	Fly ash	Silicon Dioxide as SiO2	IS: 1727
38	CHEMICAL- BUILDING MATERIAL	Fly ash	Sulphuric Anhydride (SO3)	IS: 1727
39	CHEMICAL- BUILDING MATERIAL	GGBS	Alumina	IS 4032
40	CHEMICAL- BUILDING MATERIAL	GGBS	Calcium Oxide (CaO)	IS 4032
41	CHEMICAL- BUILDING MATERIAL	GGBS	Choride Content	IS 4032
42	CHEMICAL- BUILDING MATERIAL	GGBS	Insoluble Residue	IS 4032
43	CHEMICAL- BUILDING MATERIAL	GGBS	Iron Oxide	IS 4032
44	CHEMICAL- BUILDING MATERIAL	GGBS	Loss on Ignition	IS 4032
45	CHEMICAL- BUILDING MATERIAL	GGBS	Magnesia	IS 4032
46	CHEMICAL- BUILDING MATERIAL	GGBS	Silica	IS 4032
47	CHEMICAL- BUILDING MATERIAL	GGBS	Sulphuric Anhydride (SO3)	IS 4032
48	CHEMICAL- BUILDING MATERIAL	Hardened concrete	Acid Soluble chloride	IS 14959 Part-2
49	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Acid soluble sulphate	BS 1881 (Part 124)
50	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Chloride	IS 14959 Part 2
51	CHEMICAL- BUILDING MATERIAL	Micro silica	Silica(SiO2)	IS:1727
52	CHEMICAL- BUILDING MATERIAL	Microsilica	Loss Of Ignition(LOI)	IS:1727
53	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Carbon	IS: 8811
54	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Chromium	IS:8811
55	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	copper	IS:8811

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56	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Manganese	IS:8811
57	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Molybdenum	IS:8811
58	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Nickle	IS: 8811
59	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Niobium	IS:8811
60	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Phosphorous	IS:8811
61	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Silicon	IS: 8811
62	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Sulphur	IS:8811
63	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Titanium	IS:8811
64	CHEMICAL- METALS & ALLOYS	Carbon steel and low alloy steel	Vanadium	IS:8811
65	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS: 9879
66	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS: 9879
67	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	IS: 9879
68	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS:9879
69	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS:9879
70	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS:9879
71	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	IS:9879
72	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS: 9879
73	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulfur	IS 9879
74	CHEMICAL- SOIL AND ROCK	Soil	Chloride	BS 1377-1

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75	CHEMICAL- SOIL AND ROCK	Soil	pH Value	IS 2720 Part 26
76	CHEMICAL- SOIL AND ROCK	Soil	Sulphate	IS 2720 Part 27
77	CHEMICAL- WATER	Construction Water	Chlorides	IS:3025 (Part-32)
78	CHEMICAL- WATER	Construction Water	Inorganic Matter	IS:3025 (Part-18)
79	CHEMICAL- WATER	Construction Water	Organic Matter	IS:3025 (Part-18)
80	CHEMICAL- WATER	Construction Water	pH	IS:3025 (Part-11)
81	CHEMICAL- WATER	Construction Water	Sulphates	IS:3025 (Part-24) Sec-1
82	CHEMICAL- WATER	Construction Water	Total Suspended Solids	IS:3025 (Part-17)
83	CHEMICAL- WATER	Drinking Water	Acidity	IS 3025 Part 22
84	CHEMICAL- WATER	Drinking Water	Alkalinity	"IS 3025 Part 23
85	CHEMICAL- WATER	Drinking Water	Chlorides	IS:3025 (Part-32)
86	CHEMICAL- WATER	Drinking Water	pH	IS:3025 (Part-11)
87	CHEMICAL- WATER	Drinking Water	Sulphates	IS:3025 (Part-24)
88	CHEMICAL- WATER	Drinking Water	Total dissolve Solids	IS:3025 (Part-16)
89	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	"IS 3025 Part 21
90	CHEMICAL- WATER	Drinking Water	Turbidity	IS:3025 (Part-10)
91	CHEMICAL- WATER	Water for construction purpose	Acidity(0.02 N NaOH for 100ml Sample)	IS 3025 Part 22:
92	CHEMICAL- WATER	Water for construction purpose	Alkalinity(0.02N H2SO4 for 100ml sample)	IS 3025 Part 23:
93	MECHANICAL- BUILDINGS MATERIALS	AAC block	Compressive strength	IS: 6441 (Part-5)
94	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Density	IS: 6441 (part-1)
95	MECHANICAL- BUILDINGS MATERIALS	AAc block	Dimension (length)	IS : 2185
96	MECHANICAL- BUILDINGS MATERIALS	AAc block	Dimension (Width and Thickness)	IS: 2185 (part-3)
97	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Drying Shrinkage	IS: 6441 (Part-2)
98	MECHANICAL- BUILDINGS MATERIALS	AAC block	Moisture Content	IS: 6441 (Part-1)

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99	MECHANICAL- BUILDINGS MATERIALS	Admixture	Air Content	IS 1199 Part 4
100	MECHANICAL- BUILDINGS MATERIALS	Admixture	Bleeding	IS 9103
101	MECHANICAL- BUILDINGS MATERIALS	Admixture	Compressive strength	IS 516
102	MECHANICAL- BUILDINGS MATERIALS	Admixture	Flexural Strength	IS 516
103	MECHANICAL- BUILDINGS MATERIALS	Admixture	Setting time of concrete by Penetration resistance	IS 8142
104	MECHANICAL- BUILDINGS MATERIALS	Admixture	Slump	IS 1199
105	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water Content	IS 9103
106	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Length change	IS 1199
107	MECHANICAL- BUILDINGS MATERIALS	Asphalt Mix	Binder content	ASTM D2172
108	MECHANICAL- BUILDINGS MATERIALS	Asphalt Mix	Marshal Stability	ASTM D6927
109	MECHANICAL- BUILDINGS MATERIALS	Asphalt Mix	Marshall Flow	ASTM D6927
110	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS: 1206 (Part-2)
111	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS: 1208
112	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS: 1206 (Part-3)
113	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
114	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS: 1203
115	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS: 1205
116	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS: 1202
117	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS: 4031 (Part-6)

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118	MECHANICAL- BUILDINGS MATERIALS	cement	Consistency	IS : 4031 (Part-4)
119	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS : 4031 (Part-5)
120	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by blain air permeability	IS:4031 (Part-2)
121	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving	IS: 4031 (Part-1)
122	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting time	IS : 4031 (Part-5)
123	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier Method	IS: 4031 (Part-3)
124	MECHANICAL- BUILDINGS MATERIALS	Cement	Specific gravity	IS:4031 (Part-11)
125	MECHANICAL- BUILDINGS MATERIALS	Clay / Fly Ash Bricks	Compressive strength	IS:3495 (part-1)-1992
126	MECHANICAL- BUILDINGS MATERIALS	Clay / Fly Ash Bricks	Efflorescence	IS:3495 part-3-1992
127	MECHANICAL- BUILDINGS MATERIALS	Clay / Fly Ash Bricks	Water absorption	IS:3495 (part-2)-1992
128	MECHANICAL- BUILDINGS MATERIALS	Clay Bricks	Dimension (depth)	IS:1077
129	MECHANICAL- BUILDINGS MATERIALS	Clay Bricks	Dimension (Length)	IS: 1077
130	MECHANICAL- BUILDINGS MATERIALS	Clay Bricks	Dimension (Width)	IS:1077
131	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	10 percent Fines Value	IS 2386 Part 4
132	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Abrasion value	IS: 2386 (part-4)
133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Alkali Aggregate reactivity by Mortar bar method	IS 2386 (Part - 7)
134	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Bulk density	IS:2386 (part-3)
135	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Combined FI & EI test	IS 2386 Part 1
136	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Crushing value	IS: 2386 (part-4)

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137	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious content75um / Fine Slit /Fine Dust Deleterious content75um / Fine Slit /Fine Dust	IS 2386 Part 1
138	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material - Coal & Lignite	IS 2386 part 2
139	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material Soft Particles	IS 2386 part 2
140	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation	IS: 2386 (part-1)
141	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness index	IS: 2386 (part-1)
142	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact value	IS: 2386 (part-4)
143	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Petrographic examination	IS 2386 (Part 8)
144	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve analysis (2.36 mm to 100 mm)	IS: 2386 (part-1)
145	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific gravity	IS: 2386 (Part-3)
146	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241
147	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water absorption	IS: 2386 (part-3)
148	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate and GSB	Soundness by Magnesium Sulphate	IS: 2386 (Part-5)
149	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate and GSB	Soundness by Sodium Sulphate	IS: 2386 (Part-5)
150	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/ Fine Aggregate	Petrographic Examination	IS 2386 (Part 8)
151	MECHANICAL- BUILDINGS MATERIALS	Concrete	Drying Shrinkage	IS 1199
152	MECHANICAL- BUILDINGS MATERIALS	Concrete	Pull out Test (HSDB Bar & Dowel bar)	IS 2770 Part 1
153	MECHANICAL- BUILDINGS MATERIALS	Concrete	Rapid Chloride Penetration (RCPT)	ASTM C 1202
154	MECHANICAL- BUILDINGS MATERIALS	Concrete	Water Permeability	BS EN 12390-8

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155	MECHANICAL- BUILDINGS MATERIALS	Concrete	Water Permeability	IS 516 (PART-2) (SEC-1)
156	MECHANICAL- BUILDINGS MATERIALS	Concrete (Hardened), Cube, Cylinder, Core, Beam	Comp. Strength by Accelerated Cured Concrete sample	IS 9013
157	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS: 516
158	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive strength	IS: 516 (Part-4)
159	MECHANICAL- BUILDINGS MATERIALS	Concrete cube	Compressive strength	IS: 516
160	MECHANICAL- BUILDINGS MATERIALS	Concrete Mix Design	Compressive Strength	IS 516 (Part 1/ Sec 1)
161	MECHANICAL- BUILDINGS MATERIALS	Concrete Mix Design	Density	IS 516 (Part 1/ Sec-1)
162	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Color	ASTM C 309
163	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Drying Time	ASTM C 309
164	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Physical Appearance	ASTM C 309
165	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Reflectance	ASTM C 1347
166	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Specific Gravity	IS 9103
167	MECHANICAL- BUILDINGS MATERIALS	Curing Compound	Water Retention	ASTM C 156
168	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk density	IS:2386 (part-3)
169	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material Clay Lumps	IS 2386 Part 2
170	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material Lightweight Pieces (Coal & Lignite)	IS 2386 Part 2
171	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material Soft Particles	IS 2386 Part 2
172	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Finer than 75 micron	IS: 2386 (part-1)

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173	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Petrographic examinations	IS 2386 Part 8
174	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Magnesium Sulphate	IS: 2386 (Part-5)
175	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate	IS: 2386 (Part-5)
176	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Specific gravity	IS: 2386 (part-3)
177	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Water absorption	IS:2386 (part-3)
178	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Sieve analysis (0.075 to 4.75 mm)	IS: 2386 (part-1)
179	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by Blain air Permeability	IS: 1727
180	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by Sieving	IS: 1727
181	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Lime Reactivity	IS: 1727
182	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Le-chatilier	IS: 1727
183	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS: 1727
184	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimension (Depth)	IS: 13757
185	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimension (Length)	IS: 13757
186	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimension (Width)	IS: 13757
187	MECHANICAL- BUILDINGS MATERIALS	Fly-Ash	Compressive Strength	IS: 1727
188	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump test	IS 1199
189	MECHANICAL- BUILDINGS MATERIALS	GGBS (Ground Granulated Blast-furnace Slag)	Fineness by Blain Air	IS 4031 (Part -2)
190	MECHANICAL- BUILDINGS MATERIALS	GGBS (Ground Granulated Blast-furnace Slag), Ultrafine GGBS	Moisture Content	IS 16714
191	MECHANICAL- BUILDINGS MATERIALS	GGBS (Ground Granulated Blast-furnace Slag), Ultrafine GGBS	Slag Activity Index	IS 4031 (Part 8)

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192	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Glass Content	IS 16714 Annex-C
193	MECHANICAL- BUILDINGS MATERIALS	Hardened Cement Concrete	Rapid Chloride Penetration test Current charge passing	ASTM C-1202
194	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Dimension - Length	IS 5758
195	MECHANICAL- BUILDINGS MATERIALS	kerb Stone	Dimension - thickness	IS 5758
196	MECHANICAL- BUILDINGS MATERIALS	kerb Stone	Dimension - width	IS 5758
197	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Transverse strength	IS 5758
198	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Water Absorption	IS 5758
199	MECHANICAL- BUILDINGS MATERIALS	Micro silica	Bulk density	ASTM C 1240
200	MECHANICAL- BUILDINGS MATERIALS	Microsilica / Silica Fume	Compressive strength at 7 days	IS 1727
201	MECHANICAL- BUILDINGS MATERIALS	Microsilica / Silica Fume	Particle retained on 45 micron IS: Sieve (wet sieving)	IS 1727
202	MECHANICAL- BUILDINGS MATERIALS	Microsilica / Silica Fume	Specific Gravity	IS 1727
203	MECHANICAL- BUILDINGS MATERIALS	Mortar	Compressive strength	IS: 2250
204	MECHANICAL- BUILDINGS MATERIALS	Mortar	Pot Life	BS EN 1015-9
205	MECHANICAL- BUILDINGS MATERIALS	Mortar	Split Tensile	ASTM C-1660
206	MECHANICAL- BUILDINGS MATERIALS	Mortar	Water Retention test	IS: 2250
207	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion	IS: 15658
208	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS: 15658
209	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS:15658
210	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS : 15658

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211	MECHANICAL- BUILDINGS MATERIALS	Pull Out Test (Anchor bar and Rock Bolts)	Bond Strength	IS 11309
212	MECHANICAL- BUILDINGS MATERIALS	Roads and Highway Flexible Pavement	Deflection Measurement by Falling weight Deflectometer	IRC 115
213	MECHANICAL- BUILDINGS MATERIALS	Wood	Density	IS 1708 (Part 2)
214	MECHANICAL- BUILDINGS MATERIALS	Wood	Moisture Content	IS 11215
215	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Coupler	Distance of Fracture	IS: 16172
216	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Coupler	Slip Test	IS: 16172
217	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Coupler	UTS test	IS: 16172
218	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, Non-Ferrous and HSDB bar	Total Elongation	"IS: 1608 (part-1)
219	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, Non-Ferrous and HSDB bar	0.2 % Proof stress/Yield stress	IS: 1608 (part-1)
220	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, Non-Ferrous and HSDB bar	Bend test	IS:1599
221	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, Non-Ferrous and HSDB bar	Elongation	IS: 1608 (part-1)
222	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, Non-Ferrous and HSDB bar	Mass per meter	IS:1786
223	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, Non-Ferrous and HSDB bar	Rebend Test	IS: 1786
224	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals, Non-Ferrous and HSDB bar	Tensile strength	IS: 1608 (PART-1)
225	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Couplers	Elongation	IS 16172 Annexure B

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226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	Mass per meter	IS 14268
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	0.2 % proof load	IS 1608 (Part-1)
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	Average Diameter of Surrounding Wire	IS 14268
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	Breaking Strength/ Ultimate Tensile Load	IS 1608 (Part-1)
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	Diameter of Centre Wire	IS 14268
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	Difference in Diameter of Centre Wire and Surrounding Wire	IS 14268
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	Elongation	IS 14268
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	Length of Lay	IS 14268
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand Wire	Modulus of Elasticity	IS 1608 (Part-1)
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	Nominal Cross section Area	IS 14268
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	Nominal Diameter of Strand	IS 14268
237	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture content	IS: 6186
238	MECHANICAL- SOIL AND ROCK	Bentonite	Specific Gravity	IS 2720 Part 3 Sec 1
239	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling power	IS: 6186
240	MECHANICAL- SOIL AND ROCK	Bentonite	Limit Liquid	IS:2720 (Part -5)

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241	MECHANICAL- SOIL AND ROCK	Bentonite	pH	IS: 6186
242	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS: 6186
243	MECHANICAL- SOIL AND ROCK	Bentonite Slurry	Density	ASTM D 4380
244	MECHANICAL- SOIL AND ROCK	Bentonite Slurry	Marsh Cone Viscosity	ASTM-D-6910
245	MECHANICAL- SOIL AND ROCK	Polymer	pH	IS 6186
246	MECHANICAL- SOIL AND ROCK	Polymer Slurry	Density	ASTM D4380
247	MECHANICAL- SOIL AND ROCK	Polymer Slurry	Marsh Cone Viscosity	ASTM D6910
248	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS 13030
249	MECHANICAL- SOIL AND ROCK	Rock	Petrographic examination	IS 2386 (Part8)
250	MECHANICAL- SOIL AND ROCK	Rock	Point load index	IS 8764
251	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
252	MECHANICAL- SOIL AND ROCK	Rock	Saturated Specific Gravity	IS 13030
253	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength (UCS)	IS 9143
254	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 13030
255	MECHANICAL- SOIL AND ROCK	Soil	Triaxial (UU) test (PHI)	IS:2720 (Part 11)
256	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS:2720 (Part-16)
257	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cc)	IS:2720 (Part-15)
258	MECHANICAL- SOIL AND ROCK	Soil	Consolidation test (Pc)	IS:2720 (Part-15)
259	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Angle	IS:2720 (Part-13)

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260	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Cohesion	IS:2720 (Part-13)
261	MECHANICAL- SOIL AND ROCK	Soil	Dry Density(Core Cutting Method)	IS 2720 (Part 29)
262	MECHANICAL- SOIL AND ROCK	Soil	Free swelling index	IS: 2720 (Part-40)
263	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis - Gravel (4.75 mm to 20 mm)	IS: 2720 (Part-4)
264	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis - Sand (75 micron to 4.75 mm)	IS: 2720 (Part-40)
265	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis - Silt & Clay (0.001 mm to 75 micron)	IS: 2720 (Part-40)
266	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - MDD	IS: 2720 (Part-8)
267	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction– OMC	IS:2720 (Part -8)
268	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Test	IS:2720 (Part -4)
269	MECHANICAL- SOIL AND ROCK	Soil	Light compaction - MDD	IS:2720 (Part -7)
270	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction–OMC	IS:2720 (Part-7)
271	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS: 2720 (Part-5)
272	MECHANICAL- SOIL AND ROCK	SOIL	Moisture by core cutter method	IS: 2720(part-29)
273	MECHANICAL- SOIL AND ROCK	Soil	Permeability (Constant Head Method)	IS:2720 (Part-17)
274	MECHANICAL- SOIL AND ROCK	Soil	Permeability (Falling Head Method)	IS:2720 (Part-17)
275	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS: 2720 (Part-5)
276	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage limit	IS:2720 (Part-6)
277	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity- Coarse grained Soil	IS:2720(Part -3) Sec-2
278	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity- Fine grained Soil	IS:2720 (Part -3)

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279	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS:2720 (Part 41)
280	MECHANICAL- SOIL AND ROCK	SOIL	Tri Axial (CU) Test Cohesion	IS 2720 Part 11
281	MECHANICAL- SOIL AND ROCK	SOIL	Tri Axial (CU) Test PHI	IS 2720 Part 11
282	MECHANICAL- SOIL AND ROCK	Soil	Triaxial (UU) Test Cohesion	IS:2720 (Part 11)
283	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS:2720 (Part 10)
284	MECHANICAL- SOIL AND ROCK	Soil	Water content	IS: 2720 (Part-2)
285	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound hammer test	IS:13311 (Part-2)
286	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete pile structure	Pile Integrity Test	ASTM D 5882

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump test	IS 1199
2	MECHANICAL- BUILDINGS MATERIALS	Pull Out Test (Anchor bar and Rock Bolts)	Bond Strength	IS 11309
3	MECHANICAL- SOIL AND ROCK	Clay & Soils	Standard Penetration Test	IS 2131
4	MECHANICAL- SOIL AND ROCK	Pile	Lateral load test	IS 2911 (Part 4)
5	MECHANICAL- SOIL AND ROCK	Pile	Pull Out load test	IS 2911 (Part 4)
6	MECHANICAL- SOIL AND ROCK	Pile	Vertical load test	IS 2911 (Part 4)
7	MECHANICAL- SOIL AND ROCK	Soil	Dry density by Sand replacement method	IS 2720 (Part-28)
8	MECHANICAL- SOIL AND ROCK	Soil	Moisture content by Sand replacement method	IS 2720 (Part-29)
9	MECHANICAL- SOIL AND ROCK	Soil	Field determination of CBR	IS 2720 (Part-31)
10	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test - Modulus of Subgrade Reaction (K Value)	IS 9214
11	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test - Settlement	IS 1888
12	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test - Ultimate bearing capacity	IS 1888
13	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Carbonation depth	BS 1881-part-201
14	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Cover depth	BS 1881-part-204
15	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound hammer test	IS:13311 (Part-2)

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16	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic pulse velocity test	IS: 516 (part-5)
17	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete structures	High strain dynamic pile test	ASTM D4945
18	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Integrity testing of concrete deep foundations by Crosshole Sonic logging testing	ASTM D6760
19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete	Half Cell Potential test	ASTM C876-19
20	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete pile structure	Pile Integrity Test	ASTM D 5882
21	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Crack Depth measurement by UPV Machine	IS 516 P 5 SEC 1
22	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete structures	Span load test	IRC SP 51