National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AMBAY TESTING LABORATORY LUCKNOW, PLOT NO. 9A, HIMCITY COLONY, MOHIBULLAPUR, SITAPUR ROAD, LUCKNOW, UTTAR 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	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	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	Bitumen & Asphalts	Solubility in Trichloroethylene	IS 1216
7	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkaliese as Na2O Equivalent	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Chloride as Cl	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Potential Alkali Reactivity Dissolve Silica	IS 2386 (Part 7)
10	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Potential Alkali Reactivity Reduction Alkalinity	IS 2386 (Part 7)
11	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Sulphate as SO3	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkaliese as Na2O Equivalent	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Chloride as Cl	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impurities	IS 2386 (Part 2)
15	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Potential Alkali Reactivity Dissolve Silica	IS 2386 (Part 7)
16	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Potential Alkali Reactivity Reduction Alkalinity	IS 2386 (Part 7)
17	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Sulphate as SO3	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Fly ash	Aluminiua+Iron Oxide	IS 1727

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19	CHEMICAL- BUILDING MATERIAL	Fly ash	Available Alkalies as Na2O	IS 3812 (Part 1)
20	CHEMICAL- BUILDING MATERIAL	Fly ash	Chloride as Cl	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on Ignition	IS 1727
22	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesium Oxide as Mgo	IS 1727
23	CHEMICAL- BUILDING MATERIAL	Fly ash	Reactive Silica	IS 3812 (Part 1)
24	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica Oxide as SiO2	IS 1727
25	CHEMICAL- BUILDING MATERIAL	Hardened Concrete & Mortar	Cement Content (Ratio)	IS 516 (Part 11)
26	CHEMICAL- BUILDING MATERIAL	Hardened Concrete & Mortar	Chloride as Cl	IS 14959 (Part 1 & 2)
27	CHEMICAL- BUILDING MATERIAL	Hardened Concrete & Mortar	Sulphate as SO3	IS 4032
28	CHEMICAL- BUILDING MATERIAL	Hydrated Lime	Aluminum and Iron Oxide	IS 6932 (Part 1)
29	CHEMICAL- BUILDING MATERIAL	Hydrated Lime	Available Lime as CaCO3	IS 1514
30	CHEMICAL- BUILDING MATERIAL	Hydrated Lime	Calcium Oxide as CaO	IS 6932 (Part 1)
31	CHEMICAL- BUILDING MATERIAL	Hydrated Lime	Free Moisture Content	IS 1514
32	CHEMICAL- BUILDING MATERIAL	Hydrated Lime	Insoluble Residue	IS 6932 (Part 1)
33	CHEMICAL- BUILDING MATERIAL	Hydrated Lime	Magnesium Oxide as Mgo	IS 6932 (Part 1)
34	CHEMICAL- BUILDING MATERIAL	Hydrated Lime	Silica Oxide as SiO2	IS 6932 (Part 1)
35	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Alkaliese as Na2O	IS 4032
36	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Aluminium Oxide as Al2O3	IS 4032
37	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Calcium Oxide as CaO	IS 4032

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38	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Chloride as Cl	IS 4032
39	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Insoluble Residue	IS 4032
40	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Iron Oxide as Fe2O3	IS 4032
41	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Loss on Ignition	IS 4032
42	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Magnesium Oxide as MgO	IS 4032
43	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Silica Oxide as SiO2	IS 4032
44	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Sulphate as SO3	IS 4032
45	CHEMICAL- BUILDING MATERIAL	OPC/PPC/PSC	Sulphide Sulphur as S	IS 4032
46	CHEMICAL- BUILDING MATERIAL	Silica Fume	Alkalieses as Na2O	IS 4032
47	CHEMICAL- BUILDING MATERIAL	Silica Fume	Loss on Ignition	IS 1727
48	CHEMICAL- BUILDING MATERIAL	Silica Fume	Moisture Content	IS 15388
49	CHEMICAL- BUILDING MATERIAL	Silica Fume	Silica Oxide as SiO2	IS 1727
50	CHEMICAL- BUILDING MATERIAL	Tiles	Chemical Resistance	IS 13630 (Part 8)
51	CHEMICAL- BUILDING MATERIAL	Water Proofing Compound	Chloride	IS 6925
52	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Galvanize Steel	Zinc Coating	IS 6745
53	CHEMICAL- METALS & ALLOYS	Reinforcement Bar (Low Alloy)	Carbon as C	IS 228 (Part 1)
54	CHEMICAL- METALS & ALLOYS	Reinforcement Bar (Low Alloy)	Carbon Equivalent	IS 1786
55	CHEMICAL- METALS & ALLOYS	Reinforcement Bar (Low Alloy)	Manganese as Mn	IS 228 (Part 2)

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56	CHEMICAL- METALS & ALLOYS	Reinforcement Bar (Low Alloy)	Phosphorus as P	IS 228 (Part 3)
57	CHEMICAL- METALS & ALLOYS	Reinforcement Bar (Low Alloy)	Sulphur as S	IS 228 (Part 9)
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon as C	IS 228 (Part 1)
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium as Cr	IS 228 (Part 6)
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese as Mn	IS 228 (Part 2)
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel as Ni	IS 228 (Part 5)
62	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous as P	IS 228 (Part 3)
63	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon as Si	IS 228 (Part 8)
64	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur as S	IS 228 (Part 9)
65	CHEMICAL- METALS & ALLOYS	Structural Steel (Low Alloy)	Carbon as C	IS 228 (Part 1)
66	CHEMICAL- METALS & ALLOYS	Structural Steel (Low Alloy)	Chromium as Cr	IS 228 (Part 6)
67	CHEMICAL- METALS & ALLOYS	Structural Steel (Low Alloy)	Manganese as Mn	IS 228 (Part 2)
68	CHEMICAL- METALS & ALLOYS	Structural Steel (Low Alloy)	Nickel as Ni	IS 228 (Part 5)
69	CHEMICAL- METALS & ALLOYS	Structural Steel (Low Alloy)	Phosphorous as P	IS 228 (Part 3)
70	CHEMICAL- METALS & ALLOYS	Structural Steel (Low Alloy)	Silicon as Si	IS 228 (Part 8)
71	CHEMICAL- METALS & ALLOYS	Structural Steel (Low Alloy)	Sulphur as S	IS 228 (Part 9)
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	BOD	IS 3025 (Part 44)
73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	COD	IS 3025 (Part 58)
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolve Oxygen	IS 3025 (Part 38)

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75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 (Part 39)
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH Value	IS 3025 (Part 11)
77	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	IS 3025 (Part 17)
78	CHEMICAL- SOIL AND ROCK	Clay & Soils	Calcium Carbonate	IS 2720 (Part 23)
79	CHEMICAL- SOIL AND ROCK	Clay & Soils	Organic Matter	IS 2720 (Part 22)
80	CHEMICAL- SOIL AND ROCK	Clay & Soils	pH	IS 2720 (Part 26)
81	CHEMICAL- SOIL AND ROCK	Clay & Soils	Total Soluble Solids	IS 2720 (Part 21)
82	CHEMICAL- SOIL AND ROCK	Clay & Soils	Total Soluble Sulphate	IS 2720 (Part 27)
83	CHEMICAL- SOIL AND ROCK	Clay & Solis	E. Conductivity	IS 2720 (Part 21)
84	CHEMICAL- WATER	Construction Water	Chloride as Cl	IS 3025 (Part 32)
85	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (Part 18)
86	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18)
87	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
88	CHEMICAL- WATER	Construction Water	Sulphate as SO3	IS 3025 (Part 24)
89	CHEMICAL- WATER	Construction Water	Total Suspended Solids	IS 3025 (Part 17)
90	CHEMICAL- WATER	Construction Water	Volume of 0.02 N H2SO4 consumed in 100 ml sample by phenolphthalein indicator	IS 3025 (Part 23)
91	CHEMICAL- WATER	Construction Water	Volume of 0.02 N NaOH consume in 100 ml sample by mix indicator	IS 3025 (Part 22)
92	CHEMICAL- WATER	Drinking Water	Sodium as Na	IS 3025 (Part 45)
93	CHEMICAL- WATER	Drinking Water	Alkalinity as CaO3	IS 3025 (Part 23)
94	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA 23 Edition /3500 Ca-B
95	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32)
96	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
97	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 23 Edition/4500-FD

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98	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	IS 3025 (Part 26)
99	CHEMICAL- WATER	Drinking Water	Iron as Fe	IS 3025 (Part 53)
100	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 22 Edition /3500 Mg-B
101	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
102	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
103	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	IS 3025 (Part 24)
104	CHEMICAL- WATER	Drinking Water	Total Dissolve Solids	IS 3025 (Part 16)
105	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025 (Part 21)
106	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
107	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Compressive Strength	IS 6441 (Part 5)
108	MECHANICAL- BUILDINGS MATERIALS	ACC Blocks	Block Density	IS 6441 (Part 1)
109	MECHANICAL- BUILDINGS MATERIALS	ACC Blocks	Dimension (Height)	IS 2185 (Part 3)
110	MECHANICAL- BUILDINGS MATERIALS	ACC Blocks	Dimension (Length)	IS 2185 (Part 3)
111	MECHANICAL- BUILDINGS MATERIALS	ACC Blocks	Dimension (Thickness)	IS 2185 (Part 3)
112	MECHANICAL- BUILDINGS MATERIALS	ACC Blocks	Drying Shrinkage	IS 6441 (Part 2)
113	MECHANICAL- BUILDINGS MATERIALS	ACC Blocks	Moisture Content	IS 6441 (Part 1)
114	MECHANICAL- BUILDINGS MATERIALS	Admixture	Bleeding	IS 9103
115	MECHANICAL- BUILDINGS MATERIALS	Admixture	Compressive Strength	IS 9103
116	MECHANICAL- BUILDINGS MATERIALS	Admixture	Final Setting Time	IS 1199 (Part 7)
117	MECHANICAL- BUILDINGS MATERIALS	Admixture	Flexural Strength	IS 9103
118	MECHANICAL- BUILDINGS MATERIALS	Admixture	Initial Setting Time	IS 1199 (Part 7)
119	MECHANICAL- BUILDINGS MATERIALS	Admixture	Length Change	IS 1199

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120	MECHANICAL- BUILDINGS MATERIALS	Admixture	Slump	IS 1199 (Part 2)
121	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water Content Percent to Control Sample	IS 9103
122	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility Test	IS 1208
123	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point (Cleveland Open Cup)	IS 1448 (Part 69)
124	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25 °C	IS 1203
125	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
126	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
127	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Air Voids	Asphalt Institute Manual (MS-2)
128	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Bitumen Content	IRC SP-11 Appendix 5 Clause C
129	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Bulk Specific Gravity	ASTM D2726
130	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Density	ASTM D2726
131	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Marshall Flow	ASTM D6927
132	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Marshall Stability	ASTM D6927
133	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Maximum Specific Gravity (Gmm)	ASTM D2041
134	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Sieve Analysis	MORTH Specification Fifth Revision
135	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Thickness	MORTH Specification Fifth Revision
136	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Voids Filled with Bitumen (VFB)	Asphalt Institute Manual (MS-2)
137	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Concrete	Voids in Mineral Aggregate (VMA)	Asphalt Institute Manual (MS-2)
138	MECHANICAL- BUILDINGS MATERIALS	Burn Clay & Fly ash Bricks	Compressive Strength	IS 3495 (Part 1)

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139	MECHANICAL- BUILDINGS MATERIALS	Burn Clay & Fly ash Bricks	Efflorescence	IS 3495 (Part 3)
140	MECHANICAL- BUILDINGS MATERIALS	Burn Clay & Fly ash Bricks	Water Absorption	IS 3495 (Part 2)
141	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Height)	IS 1077
142	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Length)	IS 1077
143	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Width)	IS 1077
144	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Compressive Strength	IS 4032 (Part 6)
145	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Consistency	IS 4031 (Part 4)
146	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Density	IS 4031 (Part 11)
147	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Final Setting Time	IS 4031 (Part 5)
148	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Fineness by Air Permeability Apparatus	IS 4031 (Part 2)
149	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Initial Setting Time	IS 4032 (Part 5)
150	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Soundness by Autoclave Expansion	IS 4032 (Part 3)
151	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Soundness by Le-Chatelier Expansion	IS 4031 (Part 3)
152	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Length)	IS 1237
153	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Thickness)	IS 1237
154	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Width)	IS 1237
155	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Resistance to Wear	IS 1237
156	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS 1237
157	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Wet Transverses Strength	IS 1237

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158	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Paver Blocks	Abrasion Resistance	IS 15658
159	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Paver Blocks	Compressive Strength	IS 15658
160	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Paver Blocks	Thickness	IS 15658
161	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Pavers Blocks	Water Absorption	IS 15658
162	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Hardness Moh' s scale	IS 13630 (Part 13)
163	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Strength	IS 13630 (Part 6)
164	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Thickness)	IS 13630 (Part 1)
165	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Length)	IS 13630 (Part 1)
166	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Width)	IS 13630 (Part 1)
167	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus Rapture	IS 13630 (Part 6)
168	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
169	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Length	IS 13801
170	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Resistance to Wear	IS 13801
171	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Thickness	IS 13801
172	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Water Absorption	IS 13801
173	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Wet Transverse Strength	IS 13801
174	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Width	IS 13801
175	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
176	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 (Part 4)

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177	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Striping Value	IS 6241
178	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Compacted)	IS 2386 (Part 3)
179	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
180	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
181	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material (Clay Lumps)	IS 2386 (Part 2)
182	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material (Coal and Lignite)	IS 2386 (Part 2)
183	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material (Material Finer than 75 micron)	IS 2386 (Part 1)
184	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
185	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
186	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loss Angles Abrasion Value	IS 2386 (Part 4)
187	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size Range: 80 mm to 2.36 mm)	IS 2386 (Part 1)
188	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Magnesium Sulphate	IS 2386 (Part 5)
189	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate	IS 2386 (Part 5)
190	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
191	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Surface Moisture	IS 2386 (Part 3)
192	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
193	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
194	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density Compacted	IS 2386 (Part 3)
195	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part 3)

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196	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material (Clay Lumps)	IS 2386 (Part 2)
197	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material (Coal and Lignite)	IS 2386 (Part 2)
198	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material (Finer than 75 micron IS Sieve)	IS 2386 (Part 1)
199	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size Range: 10 mm to 150 micron)	IS 2386 (Part 1)
200	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	CPWD Volume 1
201	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Magnesium Sulphate	IS 2386 (Part 5)
202	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate	IS 2386 (Part 5)
203	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
204	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Surface Moisture	IS 2386 (Part 3)
205	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
206	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Compressive Strength	IS 1727
207	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by Air Permeability Apparatus	IS 1727
208	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Lime Reactivity	IS 1727
209	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Particle Retained on 45 micron IS Sieve	IS 1727
210	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Autoclave Expansion	IS 1727
211	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727
212	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Brick	Dimension (Height)	IS 13757
213	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Brick	Dimension (Length)	IS 13757
214	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Brick	Dimension (Width)	IS 13757

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215	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199 (Part 2)
216	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Density	IS 516 (Part 2, Section 1)
217	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Rapid Chloride Permeability Test (RCPT)	ASTM C1202
218	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	ACT Compressive Strength	IS 9013
219	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Beam	Flexural Strength	IS 516 (Part 1, Section 1)
220	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Core	Compressive Strength	IS 516 (Part 4)
221	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength	IS 516 (Part 1, Section 1)
222	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube & Cylinder	Depth of Penetration of water under Pressure	IS 516 (Part 2, Section 1)
223	MECHANICAL- BUILDINGS MATERIALS	Hydrated Lime	Compressive Strength	IS 6932 (Part 7)
224	MECHANICAL- BUILDINGS MATERIALS	Hydrated Lime	Final Setting Time	IS 6932 (Part 11)
225	MECHANICAL- BUILDINGS MATERIALS	Hydrated Lime	Fineness (Residue on 2.36 mm IS Sieve)	IS 6932 (Part 4)
226	MECHANICAL- BUILDINGS MATERIALS	Hydrated Lime	Fineness (Residue on 212 micron IS Sieve	IS 6932 (Part 4)
227	MECHANICAL- BUILDINGS MATERIALS	Hydrated Lime	Fineness (Residue on 300 micron IS Sieve	IS 6932 (Part 4)
228	MECHANICAL- BUILDINGS MATERIALS	Hydrated Lime	Initial Setting Time	IS 6932 (Part 11)
229	MECHANICAL- BUILDINGS MATERIALS	Hydrated Lime	Soundness by Le-Chaterlier	IS 6932 (Part 9)
230	MECHANICAL- BUILDINGS MATERIALS	Hydrated Lime	Transverse Strength	IS 6932 (Part 7)
231	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Apparent Porosity	IS 1124
232	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Apparent Specific Gravity	IS 1124
233	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Compressive Strength	IS 1121 (Part 1)

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234	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Scratch Hardness	IS 13630 (Part 13)
235	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Transverses Strength	IS 1121 (Part 2)
236	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	True Porosity	IS 1124 & 1122
237	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	True Specific Gravity	IS 1122
238	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Water Absorption	IS 1124
239	MECHANICAL- BUILDINGS MATERIALS	Self Compacting Concrete	Filling Ability (Flowability) Test	IS 1199 (Part 6)
240	MECHANICAL- BUILDINGS MATERIALS	Self Compacting Concrete	L-Box Test (Passing Ability Ratio)	IS 1199 (Part 6)
241	MECHANICAL- BUILDINGS MATERIALS	Self Compacting Concrete	Segregation Resistance Test	IS 1199 (Part 6)
242	MECHANICAL- BUILDINGS MATERIALS	Self Compacting Concrete	Slump - T 500 Flow Test	IS 1199 (Part 6)
243	MECHANICAL- BUILDINGS MATERIALS	Self Compacting Concrete	V-Funnel Test	IS 1199 (Part 6)
244	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Compressive Strength	IS 1727
245	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Particle Retain on 45 micron IS Sieve	IS 1727
246	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Specific Gravity	IS 1727
247	MECHANICAL- BUILDINGS MATERIALS	Water -Proofing Compounds	Compressive Strength	IS 2645
248	MECHANICAL- BUILDINGS MATERIALS	Water -Proofing Compounds	Final Setting Time	IS 2645
249	MECHANICAL- BUILDINGS MATERIALS	Water -Proofing Compounds	Initial Setting Time	IS 2645
250	MECHANICAL- BUILDINGS MATERIALS	Water -Proofing Compounds	Water Permeability	IS 2645
251	MECHANICAL- BUILDINGS MATERIALS	Wooden Flush Door Shutter (Solid Core Type)	End Emersion	IS 4020 (Part 13)
252	MECHANICAL- BUILDINGS MATERIALS	Wooden Flush Door Shutter (Solid Core Type)	Flush Door	IS 4020 (Part 14)

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253	MECHANICAL- BUILDINGS MATERIALS	Wooden Flush Door Shutter (Solid Core Type)	Glue Adhesion	IS 4020 (Part 15)
254	MECHANICAL- BUILDINGS MATERIALS	Wooden Flush Door Shutter (Solid Core Type)	Length	IS 4020 (Part 2)
255	MECHANICAL- BUILDINGS MATERIALS	Wooden Flush Door Shutter (Solid Core Type)	Moisture Content	IS 1708 (Part 1)
256	MECHANICAL- BUILDINGS MATERIALS	Wooden Flush Door Shutter (Solid Core Type)	Thickness	IS 4020 (Part 2)
257	MECHANICAL- BUILDINGS MATERIALS	Wooden Flush Door Shutter (Solid Core Type)	Width	IS 4020 (Part 2)
258	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel/ Structural Steel/ S.S Steel	Elongation	IS 1608 (Part 1)
259	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel/ Structural Steel/ S.S Steel	Bend Test	IS 1599
260	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel/ Structural Steel/ S.S Steel	Nominal Mass	IS 1786
261	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel/ Structural Steel/ S.S Steel	Re- Bend Test	IS 1786
262	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel/ Structural Steel/ S.S Steel	Ribs Area	IS 1786
263	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel/ Structural Steel/ S.S Steel	Tensile Strength	IS 1608 (Part 1)
264	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel/ Structural Steel/ S.S Steel	Yield Stress	IS 1608 (Part 1)
265	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Seven Ply Strand for Prestressed Concrete	Diameter of Strand Wire	IS 14268
266	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Seven Ply Strand Wire For Prestressed Concrete	Breaking Load	IS 14268
267	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Seven Ply Strand Wire For Prestressed Concrete	Elongation	IS 14268

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268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven Ply Strand Wire For Prestressed Concrete	Length of Lay	IS 14268
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Seven Ply Strand Wire For prestressed Concrete	Proof Load	IS 14268
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel/ S.S Steel	Rockwell Hardness HRA	IS 1586 (Part 1)
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel/ S.S Steel	Rockwell Hardness HRBW	IS 1586 (Part 1)
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel/ S.S Steel	Rockwell Hardness HRC	IS 1586 (Part 1)
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel/ S.S Steel/ Cast Iron Steel	Brinell Hardness Load (187.5 kgf/Ø2.5 mm)	IS 1500 (Part 1)
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel/ S.S Steel/ Cast Iron Steel	Brinell Hardness Load (250/Ø 5 mm)	IS 1500 (Part 1)
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tube	Flattening Test	IS 2328
276	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness (Dry)	IS 6186
277	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness (Wet)	IS 6186
278	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (Part 5)
279	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
280	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
281	MECHANICAL- SOIL AND ROCK	GSB, WMM & WBM	Sieve Analysis	MORTH Specification 5th Revision
282	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cv)	IS 2720 (Part 15)
283	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (mV)	IS 2720 (Part 15)

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284	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Internal Friction Ø)	IS 2720 (Part 13)
285	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion C)	IS 2720 (Part 13)
286	MECHANICAL- SOIL AND ROCK	Soil	Free Swelling Index	IS 2720 (Part 40)
287	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (100 mm to 75 micron)	IS 2720 (Part 4)
288	MECHANICAL- SOIL AND ROCK	Soil	Soil Permeability	IS 2720 (Part 36)
289	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 1)
290	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (Angle of Internal Friction Ø)	IS 2720 (Part 11)
291	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (Cohesion C)	IS 2720 (Part 11)
292	MECHANICAL- SOIL AND ROCK	Soil & Granular Sub Base Materials	Light Compaction (MDD)	IS 2720 (Part 7)
293	MECHANICAL- SOIL AND ROCK	Soil & Granular Sub Base Materials	Light Compaction (OMC)	IS 2720 (Part 7)
294	MECHANICAL- SOIL AND ROCK	Soil & Granular Sub Base Materials	CBR Value	IS 2720 (Part 16)
295	MECHANICAL- SOIL AND ROCK	Soil & Granular Sub Base Materials	Heavy Compaction (MDD)	IS 2720 (Part 8)
296	MECHANICAL- SOIL AND ROCK	Soil & Granular Sub Base Materials	Heavy Compaction (OMC)	IS 2720 (Part 8)
297	MECHANICAL- SOIL AND ROCK	Soil & Granular Sub Base Materials	Liquid Limit	IS 2720 (Part 5)
298	MECHANICAL- SOIL AND ROCK	Soil & Granular Sub Base Materials	Moisture Content	IS 2720 (Part 2)
299	MECHANICAL- SOIL AND ROCK	Soil & Granular Sub Base Materials	Plastic Limit	IS 2720 (Part 5)
300	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Hardened Concrete Structures	Carbonation Depth	IS 516 (Part 5, Section 3)

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301	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Hardened Concrete Structures	Rebound Hammer (Compressive Strength)	IS 516 (Part 5, Section 4)
302	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Hardened Concrete Structures	Ultrasonic Pulse Velocity	IS 516 (Part 5, Section 1)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Dry Density by Core Cutting Method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil & Granular Sub Base Materials	Dry Density by Sand Replacement Method	IS 2720 (Part 28)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Cement Concrete Piles	Pile Length	IS 14893
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Hardened Concrete Structures	Carbonation Depth	IS 516 (Part 5, Section 3)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Hardened Concrete Structures	Rebound Hammer (Compressive Strength)	IS 516 (Part 5, Section 4)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Hardened Concrete Structures	Stress Wave Velocity (Low Strain Pile Integrity)	ASTM D5882
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Hardened Concrete Structures	Ultrasonic Pulse Velocity	IS 516 (Part 5, Section 1)