National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MCB TESTING LABORATORY, PLOT NO. 2240, M.I.E, PART- B, BAHADURGARH, JHAJJAR, HARYANA, 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	Alkali contents	IS:4032
2	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS:9103
3	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Ion Content	IS:6925
4	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS:9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS:9103
6	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS: 9103
7	CHEMICAL- BUILDING MATERIAL	Aggregate	Alkali Aggregate Reactivity	IS:2386(P-7)
8	CHEMICAL- BUILDING MATERIAL	Aggregate	Alkali Contents	IS:4032
9	CHEMICAL- BUILDING MATERIAL	Aggregate	Chloride	IS:4032
10	CHEMICAL- BUILDING MATERIAL	Aggregate	Organic Impurities	IS:2386(Part-2)
11	CHEMICAL- BUILDING MATERIAL	Aggregate	Sulphate	IS:4032
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	Al2O3	IS:4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	Alkali Contents	IS:4032
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	Alkali Contents	IS:4032
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	CaO	IS:4032
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	Chloride	IS: 4032
17	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	Fe2O3	IS:4032
18	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	Insoluble Residue	IS: 4032

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19	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	Loss on Ignition(LOI)	IS:4032
20	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	Magnesia	IS:4032
21	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	SiO2	IS:4032
22	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC/WPC/PSC)	Total Sulphur (as SO3)	IS:4032
23	CHEMICAL- BUILDING MATERIAL	Concrete/Mortar	Cement Content	IS 516(Pt-11)
24	CHEMICAL- BUILDING MATERIAL	Fly Ash / Silica Fume/Micro Silica	SiO2	IS:1727
25	CHEMICAL- BUILDING MATERIAL	Fly Ash/Silica fume/Micro Silica	Al2O3	IS:1727
26	CHEMICAL- BUILDING MATERIAL	Fly Ash/Silica fume/Micro Silica	Alkali Contents	IS:4032
27	CHEMICAL- BUILDING MATERIAL	Fly Ash/Silica fume/Micro Silica	Available Alkali	IS:3812(P 1&2)
28	CHEMICAL- BUILDING MATERIAL	Fly Ash/Silica fume/Micro Silica	CaO	IS:1727
29	CHEMICAL- BUILDING MATERIAL	Fly Ash/Silica fume/Micro Silica	Chloride	IS:4032
30	CHEMICAL- BUILDING MATERIAL	Fly Ash/Silica fume/Micro Silica	Fe2O3	IS:1727
31	CHEMICAL- BUILDING MATERIAL	Fly Ash/Silica fume/Micro Silica	Loss on Ignition(LOI)	IS:1727
32	CHEMICAL- BUILDING MATERIAL	Fly Ash/Silica fume/Micro Silica	Magnesia	IS:1727
33	CHEMICAL- BUILDING MATERIAL	Fly Ash/Silica fume/Micro Silica	Reactive Silica	IS: 3812(P-1&2)
34	CHEMICAL- BUILDING MATERIAL	Fly Ash/Silica fume/Micro Silica	Total Sulphur (As SO3)	IS:1727
35	CHEMICAL- BUILDING MATERIAL	Hard Concrete	Alkali Contents	IS 4032
36	CHEMICAL- BUILDING MATERIAL	Hard Concrete	Chloride	IS:14959(Part2)
37	CHEMICAL- BUILDING MATERIAL	Hard concrete	Sulphate	IS:2317

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38	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Chloride	IS 14212
39	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Iron as Fe	IS 14212
40	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Loss on Ignition	IS 14212
41	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Matter insoluble in water	IS 6773
42	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Matter Insoluble in Water	IS 6773
43	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	pH	IS 9103
44	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Relative Density	IS 14212
45	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Solid Content	IS 6773
46	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Specific Gravity	IS 6773
47	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Sulphate	IS 14212
48	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Total Alkalinity	IS 6773
49	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Total Alkalinity as Na2O	IS 14212
50	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Total Soluble Silica	IS 14212
51	CHEMICAL- BUILDING MATERIAL	Sodium Silicate	Total Soluble Silica	IS 6773
52	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Aluminium Products	Anodic Coating	IS: 5523
53	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Ferrous Metal	Zinc Coating	IS:6745
54	CHEMICAL- METALS & ALLOYS	Ferro steel/stainless Steel/Carbon Steel	Carbon	IS 228(1):1987
55	CHEMICAL- METALS & ALLOYS	Ferro steel/stainless Steel/Carbon Steel	Chromium	IS 228(P-6)

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56	CHEMICAL- METALS & ALLOYS	Ferro steel/stainless Steel/Carbon Steel	Manganese	IS 228(P-2)
57	CHEMICAL- METALS & ALLOYS	Ferro steel/stainless Steel/Carbon Steel	Nickel	IS 228(P-5)
58	CHEMICAL- METALS & ALLOYS	Ferro steel/stainless Steel/Carbon Steel	Phosphorous	IS 228(P-3)
59	CHEMICAL- METALS & ALLOYS	Ferro steel/stainless Steel/Carbon Steel	Silicon	IS 228(P-8)
60	CHEMICAL- METALS & ALLOYS	Ferro steel/stainless Steel/Carbon Steel	Sulphur	IS 228(P-9)
61	CHEMICAL- PAINTS & SURFACE COATING	Ferrous/Non ferrous	Powder/ Paint Coating Thickness	IS 6012
62	CHEMICAL- WATER	Construction Water	Acidity- neutralize 100 ml of water using 0.02 N NaOH & Phenolphthalein indicator	IS:3025(Part-22)
63	CHEMICAL- WATER	Construction Water	Alkalinity- neutralize 100 ml of water using 0.02 N H2SO4 & Mixed indicator	IS:3025(Part-23)
64	CHEMICAL- WATER	Construction Water	Chloride	IS:3025(Part-32)
65	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS:3025(Part-18)
66	CHEMICAL- WATER	Construction Water	Organic Solids	IS:3025(Part-18)
67	CHEMICAL- WATER	Construction Water	pH	IS:3025(P-11)
68	CHEMICAL- WATER	Construction water	Sulphate (As SO3)	IS:3025(Part-24)
69	CHEMICAL- WATER	Construction Water	Total Suspended Solids	IS:3025(Part-17)
70	CHEMICAL- WATER	Drinking Water	Acidity	IS:3025(P-22)
71	CHEMICAL- WATER	Drinking Water	Alkalinity	IS:3025(P-23)
72	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (P-40)
73	CHEMICAL- WATER	Drinking Water	Chloride	IS:3025(P-32)
74	CHEMICAL- WATER	Drinking Water	Colour	IS:3025(P-4)
75	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 (P-46)
76	CHEMICAL- WATER	Drinking Water	Odour	IS:3025(P-5)
77	CHEMICAL- WATER	Drinking Water	Permanent Hardness	IS:3025(P-21)
78	CHEMICAL- WATER	Drinking Water	pH	IS:3025(P-11)
79	CHEMICAL- WATER	Drinking Water	Potassium	IS:3025(P-45)

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80	CHEMICAL- WATER	Drinking Water	Residual Chlorine	IS:3025(P-26)
81	CHEMICAL- WATER	Drinking Water	Sodium	IS:3025(P-45)
82	CHEMICAL- WATER	Drinking Water	Sulphate	IS:3025(P-24)
83	CHEMICAL- WATER	Drinking Water	Temporary Hardness	IS:3025(P-21)
84	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS:3025(P-18)
85	CHEMICAL- WATER	Drinking Water	Total Hardness	IS:3025(P-21)
86	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Length	IS 15658
87	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Compressive Strength	IS 6441(P-5)
88	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Density	IS 6441(P-1)
89	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Drying Shrinkage	IS 6441(P-2)
90	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Length	IS 2185 (Pt-3)
91	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Moisture Content	IS 6441
92	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Thickness	IS 2185(Pt-3)
93	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Width	IS 2185 (Pt-3)
94	MECHANICAL- BUILDINGS MATERIALS	Admixture	Air Content	IS: 1199(P-4)
95	MECHANICAL- BUILDINGS MATERIALS	Admixture	Bleeding Test	IS: 9103
96	MECHANICAL- BUILDINGS MATERIALS	Admixture	Compressive Strength	IS: 516(Part-1/Sec-1)
97	MECHANICAL- BUILDINGS MATERIALS	Admixture	Drying Shrinkage	IS 516(P-6)
98	MECHANICAL- BUILDINGS MATERIALS	Admixture	Flexural Strength	IS: 516(Part-1/Sec-1)
99	MECHANICAL- BUILDINGS MATERIALS	Admixture	Setting Time	IS: 1199(P-7)
100	MECHANICAL- BUILDINGS MATERIALS	Admixture	Slump/workability	IS: 1199(Part-2)

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101	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water Content	IS: 9103
102	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206(P-2)
103	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point(Cleveland Open Cup)	IS 1448(P-69)
104	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206(P-3)
105	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on heating	IS 1212
106	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25oC, 100g,5secs, 1/10 mm	IS 1203
107	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS: 1205
108	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS:1202
109	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility in water	IS 3117
110	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility with water	IS 8887
111	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Particle Charge	IS 3117
112	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Particle Charge	IS 8887
113	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by evaporation	IS 8887
114	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 µ sieve	IS: 8887
115	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Settlement test	IS 3117
116	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Sieve test	IS 3117
117	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage stability/ settlement test	IS 8887
118	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by Saybolt Furol Viscometer	IS: 3117
119	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Bitumen Emulsion	Ductility	IS 1208

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120	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Bitumen Emulsion	Solubility in Trichloro ethylene	IS: 1216
121	MECHANICAL- BUILDINGS MATERIALS	Bitumenous Mix	Binder Content	IRC SP-11
122	MECHANICAL- BUILDINGS MATERIALS	Bituminous mix	Density	ASTM D-2726
123	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Thickness	MORTH Specn.(Section-500), 5th revision
124	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay & Fuel Ash-Lime bricks)	Compressive Strength	IS: 3495(Part-1)
125	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay & Fuel Ash-Lime bricks)	Efflorescence	IS: 3495(Part-3)
126	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay & Fuel Ash-Lime bricks)	Water Absorption	IS: 3495(Part-2)
127	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fuel Ash-Lime bricks)	Drying Shrinkage	IS 4139
128	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fuel Ash-Lime bricks)	Width of 20 bricks	IS 12894
129	MECHANICAL- BUILDINGS MATERIALS	Bricks(Clay)	Height of 20 bricks	IS 1077
130	MECHANICAL- BUILDINGS MATERIALS	Bricks(Clay)	Length of 20 bricks	IS 1077
131	MECHANICAL- BUILDINGS MATERIALS	Bricks(Clay)	Width of 20 bricks	IS 1077
132	MECHANICAL- BUILDINGS MATERIALS	Bricks(Fuel Ash- Lime bricks)	Length of 20 bricks	IS: 12894
133	MECHANICAL- BUILDINGS MATERIALS	Bricks(Fuel Ash-Lime bricks)	Height of 20 bricks	IS 12894
134	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/WPC/PSC)	Compressive Strength	IS:4031(Part-6)
135	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/WPC/PSC)	Density	IS:4031(Part-11)
136	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/WPC/PSC)	Final Setting Time	IS:4031(Part-5)
137	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/WPC/PSC)	Fineness by Blain's Air permeability	IS:4031(Part-2)
138	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/WPC/PSC)	Initial Setting Time	IS:4031(Part-5)

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139	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/WPC/PSC)	Soundness by Autoclave method	IS: 4031(P-3)
140	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/WPC/PSC)	Soundness by Le-Chatelier method	IS:4031(Part-3)
141	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/WPC/PSC)	Standard Consistency	IS:4031(Part-4)
142	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC/WPC)	Drying Shrinkage	IS: 4031(P-10)
143	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Flatness	IS:1237
144	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Perpendicularity	IS:1237
145	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Resistance to wear	IS: 1237
146	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Straightness	IS:1237
147	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete flooring Tiles	Water Absorption	IS:1237
148	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete flooring Tiles	Wet Transverse Strength	IS:1237
149	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Length	IS 13630 (Pt-1)
150	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Thickness	IS 13630 (Pt-1)
151	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Width	IS 13630 (Pt-1)
152	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Surface Moisture/Moisture Content	IS 2386(P-2)
153	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	10% fine Value	IS: 2386 (Part-4)
154	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Abrassion Value- Los Angeles	IS:2386 (Part-4)
155	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Bulk Density	IS: 2386 (Part-3)
156	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Clay & Lumps	IS:2386 (part-2)
157	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Crushing Value	IS:2386 (Part-4)

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158	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Elongation Index	IS:2386 (Part-1)
159	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Flakiness Index	IS:2386 (Part-1)
160	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Impact Value	IS:2386 (Part-4)
161	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Light Weight Pieces (Coal & Lignite)	IS:2386 (Part-2)
162	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Material finer than 75 micron IS Sieve	IS:2386(Part-1)
163	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Sieve Analysis (0.075 mm to 125 mm)	IS:2386 (Part-1)
164	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Soundness- (with MgSO4/Na2SO4)	IS: 2386(Part-5)
165	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Specific Gravity	IS:2386 (Part-3)
166	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Stripping Value	IS:6241
167	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/WMM/WBM	Water Absorption	IS:2386 (Part-3)
168	MECHANICAL- BUILDINGS MATERIALS	Concrete	Bulk Density	ASTM C 642
169	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength(ACT method)	IS 9013
170	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow & Solid)	Height	IS 2185(Pt-1)
171	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow & Solid)	Width	IS 2185 (Pt-1)
172	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow&Solid)	Length	IS 2185 (Pt-1)
173	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow/ Solid)	Compressive Strength	IS: 2185(Part-I)
174	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow/ Solid)	Drying Shrinkage	IS: 2185(Part-I)
175	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow/ Solid)	Moisture Movement	IS: 2185(Part-I)
176	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow/ Solid)	Water Absorption	IS:2185(P-1)

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177	MECHANICAL- BUILDINGS MATERIALS	Concrete paving block	Abrassion resistance	IS 15658
178	MECHANICAL- BUILDINGS MATERIALS	Concrete paving block	Compressive Strength	IS: 15658
179	MECHANICAL- BUILDINGS MATERIALS	Concrete paving block	Flexural Strength	IS 15658
180	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Thickness	IS 15658
181	MECHANICAL- BUILDINGS MATERIALS	Concrete paving block	Visual Inspection	IS 15658
182	MECHANICAL- BUILDINGS MATERIALS	Concrete paving block	Water Absorption	IS: 15658
183	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Width	IS 15658
184	MECHANICAL- BUILDINGS MATERIALS	Concrete(Hollow and Solid)	Density	IS: 2185(P-1)
185	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS: 2386(P-3)
186	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS: 2386(Part-2)
187	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay & Lumps	IS: 2386(Part-2)
188	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay , Fine Silt & Fine Dust	IS:2386(Part-2)
189	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Light Weight Pieces (Coal & Lignite)	IS: 2386(Part-2)
190	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 Micron IS Sieve	IS: 2386(Part-1)
191	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sand Equivalent Value	IS 2720(P-37)
192	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 mm to 10 mm)	IS: 2386(Part-1)
193	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	CPWD Specn.(Appendix C)
194	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness- (with MgSO4/Na2SO4)	IS: 2386(Part-5)
195	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS: 2386(Part-3)

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196	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Surface moisture	IS: 2386(Part-2)
197	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS: 2386(Part-3)
198	MECHANICAL- BUILDINGS MATERIALS	Fly Ash/Micro Silica	Fineness by Blaine's Air Permeability	IS: 1727
199	MECHANICAL- BUILDINGS MATERIALS	Fly Ash/Micro Silica	Lime Reactivity	IS:1727
200	MECHANICAL- BUILDINGS MATERIALS	Fly Ash/Silica fume/Micro Silica	Compressive Strength as percent of control Sample	IS:1727
201	MECHANICAL- BUILDINGS MATERIALS	Fly Ash/Silica fume/Micro Silica	Particles/oversized Retained on 45µ Sieve (Wet Sieving)	IS:1727
202	MECHANICAL- BUILDINGS MATERIALS	Fly Ash/Silica fume/Micro Silica	Soundness by Autoclave Method	IS:1727
203	MECHANICAL- BUILDINGS MATERIALS	Fly Ash/Silica fume/Micro Silica	Specific Gravity	IS:1727
204	MECHANICAL- BUILDINGS MATERIALS	Hard Concrete	Compressive Strength – Hardened (Cube & Core)	IS:516
205	MECHANICAL- BUILDINGS MATERIALS	Hard Concrete	Drying Shrinkage	IS:516(P-6)
206	MECHANICAL- BUILDINGS MATERIALS	Hard Concrete	Flexural Strength	IS:516(Part-1/Sec-1)
207	MECHANICAL- BUILDINGS MATERIALS	Hard Concrete	Moisture movement	IS:516(P-6)
208	MECHANICAL- BUILDINGS MATERIALS	Hard Concrete	Rapid Chloride Permeability Test	ASTM C-1202
209	MECHANICAL- BUILDINGS MATERIALS	Hard Concrete	Splitting Tensile Strength	IS:5816
210	MECHANICAL- BUILDINGS MATERIALS	Hard Concrete	Water Absorption	ASTM C 642
211	MECHANICAL- BUILDINGS MATERIALS	Hard Concrete	Water Absorption	BS- 1881(Part- 122)
212	MECHANICAL- BUILDINGS MATERIALS	Hard Concrete	Water Permeability	MORTH Specn.(5th Revision), (Cl.1717.7.5)
213	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Bulk Density	IS 13630 (P-2)
214	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Chemical Resistance	IS:13630(Part-8)

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215	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Crazing Resistance	IS:13630(Part-9)
216	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Modulous of Rupture	IS:13630(Part-6)
217	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Scratch Hardness	IS: 13630(Part- 13)
218	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Thermal Shock Resistance	IS:13630(Part-5)
219	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Water Absorption	IS 13630(Part-2)
220	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceremic Tiles	Breaking Strength	IS:13630(P-6)
221	MECHANICAL- BUILDINGS MATERIALS	RCC Manhole Frame & Cover	Diameter	IS 12592
222	MECHANICAL- BUILDINGS MATERIALS	RCC Manhole Frame & Cover	Thickness	IS 12592
223	MECHANICAL- BUILDINGS MATERIALS	RCC Manhole frame & Cover	Visual Inspection	IS 12592
224	MECHANICAL- BUILDINGS MATERIALS	Silica fume	Moisture Content	IS:15388
225	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Area	IS 1786
226	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Bend Test (Mandrel Dia-24,32,36,40,48,50,60, 64,72,80,84,96,100,112,120,125,140,150,160,192,240) mm	IS 1599
227	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Elongation	IS 1608(Pt-1)
228	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Mass	IS 1786
229	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Rebend Test (Mandrel Dia-32,36,40,48,50,60,64,72, 80,84,96,100,112,120,125,140 ,150,160,192,240,300) mm	IS:1786
230	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Ribs Area	IS:1786
231	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Tensile Strength	1608(Pt-1)

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232	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Total Elongation at maximum force	IS 1608(Pt-1)
233	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Yield Strength	IS 1608(Pt-1)
234	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Compressive Strength	IS 4031(Pt-6)
235	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Products	0.2% Proof Stress	IS 1608
236	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Products	Elongation	IS 1608
237	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Products	Tensile Strength	IS 1608
238	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluninium Product	Thickness	IS 1285
239	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Coupler	Slip Test	IS:16172
240	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Rockwell Hardness (HRA)	IS: 1586
241	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MS Pipe/Tubes	Bend Test (Mandrel Dia-60,64,72,80,84,96,100,112 ,120,125, 140,150,160,192,240,300) mm	IS 2329
242	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MS Tubes/ Pipes	Flattening Test	IS:2328
243	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Strand Wire	Area	IS 14268
244	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Strand Wire	Diameter	IS 14268
245	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Strand Wire	Elongation	IS 14268

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246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand wire	Length of Lay	IS14268
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strand Wire	Mass	IS 14268
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Mild Steel	Bend Test (Mandrel Dia-12,16,20,24,32,36,40,48,50,60 ,64,72, 80,84,96,100,112,120,125,140 ,) mm	IS:1599
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Mild Steel, DI Pipe, G I Pipe, Stainless Steel, Coupler.	Dimension (Diameter & Thickness)	IS 1239
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Mild Steel, DI Pipe, GI Pipe, Stainless Steel, Coupler.	Elongation	IS:1608
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Mild Steel, DI Pipe, GI Pipe, Stainless Steel, H.T.S Wire, Coupler.	0.2% Proof Stress	IS:1608(Pt-1)
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Mild Steel, DI Pipe, GI Pipe, Stainless Steel,Coupler.	Yield Strength	IS:1608(Pt-1)
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Mild Steel, DI Pipe, GI Pipe. Stainless Steel,Coupler.	Mass	IS 1239
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Mild Steel, DI Pipe, Stainless Steel, H.T.S Wire, Coupler.	Area	IS:2062
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, Mild Steel, DI Pipe, Stainless Steel, H.T.S Wire, Coupler.	Tensile Strength	IS:1608(P-1)
256	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	CPVC Plastic Pipes	Visual Appearance	IS 15778
257	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PE/HDPE/LDPE)	Melt Flow Rate/Index	IS 2530
258	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PE/PVC/CPVC/UPVC/HDPE/LDPE)	Density	IS 12235(Pt-14)
259	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PE/PVC/CPVC/UPVC/HDPE/LDPE)	Diameter	IS 12235(Pt-1)

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260	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PE/PVC/CPVC/UPVC/HDPE/LDPE)	Elongation@ Break	IS 12235(Pt-13)
261	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PE/PVC/CPVC/UPVC/HDPE/LDPE)	Flattening Test	IS 12235 (Pt-19)
262	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PE/PVC/CPVC/UPVC/HDPE/LDPE)	Impact Resistance/ Resistance to External Blows	IS 12235(Pt-9)
263	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PE/PVC/CPVC/UPVC/HDPE/LDPE)	Rsistance to Sulphuric acid	IS 12235(Pt-7)
264	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PE/PVC/CPVC/UPVC/HDPE/LDPE)	Tensile Strength	IS 12235 (Pt-13)
265	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PE/PVC/CPVC/UPVC/HDPE/LDPE)	Thickness	IS 12235(Pt-1)
266	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PE/PVC/CPVC/UPVC/HDPE/LDPE)	Vicat Softening temperature	IS 12235(Pt-2)
267	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and Fittings (PVC/CPVC/UPVC)	Ash Content/Sulphated Ash Content	IS 12235(Pt-17)
268	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings (PVC/CPVC/UPVC)	Resistance to Chemical action	IS 14787
269	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pipes and fittings(PVC/CPVC/UPVC,)	Opacity	IS 12235(Pt-3)
270	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rigid PVC Sheet	Vicat Softening temperature	IS 6307
271	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Water Stopper	Acclerated Extraction Test	IS: 15058
272	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Water Stopper	Elongation @ break	IS:13360(P5,Sec-2&3)
273	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Water Stopper	Hardness(Shore-A)	IS-13360(P5,Sec-11)
274	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Water Stopper	Shape and Dimension (Width & Thickness)	IS:15058
275	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Water Stopper	Stability in effect of alkalis test (change in hardness, mass and dimension)	IS-15058
276	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Water Stopper	Tensile Strength@ Break	IS-13360(P5,Sec-1)
277	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Water Stopper	Water absorption	IS-15058

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278	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness(% Passing)	IS 6186
279	MECHANICAL- SOIL AND ROCK	Bentonite	Free Swell Index	IS 2720 (Part-40)
280	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (Part-5)
281	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture	IS 6186
282	MECHANICAL- SOIL AND ROCK	Bentonite	pH	IS 2720(P-26)
283	MECHANICAL- SOIL AND ROCK	Bentonite	Plastic Limit	IS 2720 (Part-5)
284	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
285	MECHANICAL- SOIL AND ROCK	Bentonite	Specific gravity	IS 2720 (Part-3/Sec-1)
286	MECHANICAL- SOIL AND ROCK	GSB	California Bearing Ratio	IS: 2720 (Part- 16)
287	MECHANICAL- SOIL AND ROCK	GSB	Free Swell Index	IS:2720 (Part- 40)
288	MECHANICAL- SOIL AND ROCK	GSB	Grain Size Analysis (up to 0.1 micron)	IS: 2720 (Part-4)
289	MECHANICAL- SOIL AND ROCK	GSB	Linear Shrinkage	IS:2720 (Part- 20)
290	MECHANICAL- SOIL AND ROCK	GSB	Liquid Limit	IS 2720 (Part-5)
291	MECHANICAL- SOIL AND ROCK	GSB	Maximum Dry Density	IS:2720 (Part-7 1)
292	MECHANICAL- SOIL AND ROCK	GSB	Maximum Dry Density	IS:2720 (Part-8)
293	MECHANICAL- SOIL AND ROCK	GSB	Optimum Moisture Content	IS:2720 (Part-7)
294	MECHANICAL- SOIL AND ROCK	GSB	Optimum Moisture Content	IS:2720 (Part-8)
295	MECHANICAL- SOIL AND ROCK	GSB	Plastic Limit	IS 2720 (Part-5)
296	MECHANICAL- SOIL AND ROCK	GSB	Water Content	IS: 2720 (Part-2)

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297	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Apparent Specific Gravity	IS-1124
298	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Apparent Porosity	IS-1124
299	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Dry Density	IS 13030
300	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Hardness (Mohs)	IS-13630(P13)
301	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Moisture Content	IS 13030
302	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Resistance to wear	IS 1706
303	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS-1124
304	MECHANICAL- SOIL AND ROCK	Polymud	Free Swell Index	IS 2720 (Part-40)
305	MECHANICAL- SOIL AND ROCK	Polymud	Liquid Limit	IS 2720 (Part-5)
306	MECHANICAL- SOIL AND ROCK	Polymud	pH	IS 6186
307	MECHANICAL- SOIL AND ROCK	Polymud	Plastic Limit	IS 2720 (Part-5)
308	MECHANICAL- SOIL AND ROCK	Polymud	Sand Content	IS 6186
309	MECHANICAL- SOIL AND ROCK	Polymud	Specific gravity	IS 2720 (Part-3/Sec- 1)
310	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS: 2720(Part-16)
311	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS:2720(Part-40)
312	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (upto 0.1 micron)	IS:2720 (Part-4)
313	MECHANICAL- SOIL AND ROCK	Soil	Linear Shrinkage	IS 2720(P-20)
314	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS:2720 (Part-5)
315	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density	IS:2720(Part-8)

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316	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Dnsity	IS: 2720(Pt-7)
317	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content	IS 2720 (Pt-7)
318	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content	IS:2720(Part-8)
319	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720(Part-5)
320	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS:2720(Part-3, Sec-1)
321	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (P-2)
322	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720(P-2)
323	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Carbonation Depth Test	IS 516(Pt-5, Sec-3)
324	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Natural Building Stone	Ultrasonic Pulse Velocity	IS 516(pt-5, Sec-1)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound No.	IS 516(Par-5/Sec-4)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultra SonicPulse Velocity Test	IS 516(Part-5/Sec-1)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Natural Building Stone	Ultrasonic Pulse Velocity	IS 516(pt-5, Sec-1)