



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	MCB MATERIAL TESTING AND RESEARCH CENTRE LLP, PLOT NO. 44, SRI BALAJI DHAM MARG, KASHIPUR ROAD, NH 74, DANPUR, RUDRAPUR, UDAM SINGH NAGAR, UTTARAKHAND, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11241	Page No	1 of 15
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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	DMC	IS:9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS: 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	RELATIVE DENSITY	IS: 9103
6	CHEMICAL- BUILDING MATERIAL	Aggregate	CHLORIDE	IS: 4032
7	CHEMICAL- BUILDING MATERIAL	Aggregate	DISSOLVED SILICA	IS2386 P-7
8	CHEMICAL- BUILDING MATERIAL	Aggregate	REDUCTION IN ALKALINITY	IS2386 P-7
9	CHEMICAL- BUILDING MATERIAL	Aggregate	SULPHATE	IS: 4032
10	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	Aluminium Oxide (Al ₂ O ₃)	IS:4032
11	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	Calcium Oxide (CaO)	IS:4032
12	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	CHLORIDE	IS: 4032
13	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	Ferric Oxide (Fe ₂ O ₃)	IS: 4032
14	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	INSOLUBLE RESIDUE	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	Loss of Ignition	IS: 4032
16	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	Magnesium Oxide (MgO)	IS:4032
17	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	POTASSIUM	IS: 4032
18	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	Silicon dioxide (SiO ₂)	IS: 4032



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19	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	SODIUM	IS: 4032
20	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC))	Total Sulphate	IS: 4032
21	CHEMICAL- BUILDING MATERIAL	Concrete	CHLORIDE	BS-1881 P-124
22	CHEMICAL- BUILDING MATERIAL	Concrete	SULPHATE	BS-1881 P-124
23	CHEMICAL- BUILDING MATERIAL	Fly ash	Aluminium Oxide (Al ₂ O ₃)	IS: 1727
24	CHEMICAL- BUILDING MATERIAL	Fly ash	CALCIUM	IS: 1727
25	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride	IS: 4032
26	CHEMICAL- BUILDING MATERIAL	Fly Ash	Ferric Oxide (Fe ₂ O ₃)	IS: 1727
27	CHEMICAL- BUILDING MATERIAL	Fly Ash	LOSS ON IGNITION	IS: 1727
28	CHEMICAL- BUILDING MATERIAL	Fly ash	MAGNESIUM OXIDE	IS: 1727
29	CHEMICAL- BUILDING MATERIAL	Fly ash	Silicon dioxide (SiO ₂)	IS: 1727
30	CHEMICAL- BUILDING MATERIAL	Fly ash	TOTAL SULPHUR	IS: 1727
31	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Aluminum	ANODIC COATING	IS 5523
32	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	METALLIC COATING	MASS OF ZINC COATING	IS:6745
33	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	CARBON	IS:228 P-1
34	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	MOLYBDANUM	IS:228 P-7
35	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	CHROMIUM	IS 228 P-6
36	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	MANGANESE	IS:228 P-2



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37	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	NICKEL	IS 228 P-5
38	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	PHOSPHOROUS	IS:228 P-3
39	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	SILICON	IS:228 P-8
40	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	SULPHUR	IS:228 P-9
41	CHEMICAL- METALS & ALLOYS	MILD STEEL	CARBON	IS:228 P-1
42	CHEMICAL- METALS & ALLOYS	MILD STEEL	MANGANESE	IS:228 P-2
43	CHEMICAL- METALS & ALLOYS	MILD STEEL	PHOSPHOROUS	IS:228 P-3
44	CHEMICAL- METALS & ALLOYS	MILD STEEL	SILICON	IS:228 P-8
45	CHEMICAL- METALS & ALLOYS	MILD STEEL	SULPHUR	IS:228 P-9
46	CHEMICAL- METALS & ALLOYS	Stainless Steel	CARBON	IS:228 P-1
47	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CHROMIUM	IS:228 P-6
48	CHEMICAL- METALS & ALLOYS	Stainless Steel	MANGANESE	IS:228 P-2
49	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MOLYBDENUM	IS:228 P-7
50	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	NICKEL	IS:228 P-5
51	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	PHOSPHOROUS	IS:228 P-3
52	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SILICON	IS:228 P-8
53	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SULPHUR	IS:228 P-9
54	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Ammoniacal Nitrogen	IS 3025 part-34



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55	CHEMICAL- POLLUTION & ENVIRONMENT	WASTE WATER	BIOCHEMICAL OXYGEN DEMAND at 3 days temperature 27 Deg. C	IS 3025 part-44
56	CHEMICAL- POLLUTION & ENVIRONMENT	WASTE WATER	CHEMICAL OXYGEN DEMAND	IS 3025 part-58
57	CHEMICAL- POLLUTION & ENVIRONMENT	WASTE WATER	NITRATE	APHA 4500 NO3
58	CHEMICAL- POLLUTION & ENVIRONMENT	WASTE WATER	OIL AND GREASE	IS 3025 part-39
59	CHEMICAL- POLLUTION & ENVIRONMENT	WASTE WATER	PH	IS 3025 part-32
60	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total Dissolved solid	IS 3025 part-16
61	CHEMICAL- POLLUTION & ENVIRONMENT	WASTE WATER	TOTAL KJELDAHL NITROGEN	IS 3025 part-34
62	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total Suspended Solid	IS 3025 part-17
63	CHEMICAL- SOIL AND ROCK	Bentonite	Loss on Ignition	IS:6186
64	CHEMICAL- SOIL AND ROCK	Bentonite	Matter Soluble in water	IS:6186
65	CHEMICAL- SOIL AND ROCK	Bentonite/Polymud	pH	IS:2720(Pt-26)
66	CHEMICAL- SOIL AND ROCK	Soil	pH	IS:2720(Pt-26)
67	CHEMICAL- WATER	Drinking Water	ACIDITY AS CaCO3	IS:3025 P-22
68	CHEMICAL- WATER	Drinking Water	ALKALINITY AS CaCO3	IS:3025 P-23
69	CHEMICAL- WATER	Drinking Water	CALCIUM	IS:3025 P-40
70	CHEMICAL- WATER	Drinking Water	CHLORIDE	IS:3025 P-32
71	CHEMICAL- WATER	Drinking Water	CHLORINE	IS:3025 P-26
72	CHEMICAL- WATER	Drinking Water	COLOUR	IS:3025-P-4
73	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 4500 F (Edition 24th)
74	CHEMICAL- WATER	Drinking Water	FLUORIDE(F)	IS: 3025 (Part-60)
75	CHEMICAL- WATER	Drinking Water	IRON	IS:3025 P-53
76	CHEMICAL- WATER	Drinking Water	MAGNESIUM	IS:3025 P-46
77	CHEMICAL- WATER	Drinking Water	MANGANESE	IS:3025 P-59



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78	CHEMICAL- WATER	Drinking Water	NITRATE	APHA 4500 NO3(Edition 24th)
79	CHEMICAL- WATER	Drinking Water	ODOUR	IS:3025-P-5
80	CHEMICAL- WATER	Drinking Water	pH	IS:3025 P-11
81	CHEMICAL- WATER	Drinking Water	PHENOL	IS:3025 P-43
82	CHEMICAL- WATER	Drinking Water	SILICA	IS3025 P-35
83	CHEMICAL- WATER	Drinking Water	SPECIFIC CONDUCTANCE	IS:3025-P14
84	CHEMICAL- WATER	Drinking Water	SULPHATE AS SO4	IS:3025 P-24 Sec-1
85	CHEMICAL- WATER	Drinking Water	Sulphide	IS:3025 P-29
86	CHEMICAL- WATER	Drinking Water	TOTAL DISSOLVED SOLID	IS:3025P-16
87	CHEMICAL- WATER	Drinking Water	TOTAL HARDNESS	IS:3025 P-21
88	CHEMICAL- WATER	Drinking Water	TOTAL KJELDAHL NITROGEN	IS:3025 P-34
89	CHEMICAL- WATER	Drinking Water	TURBIDITY	IS:3025 P-10
90	CHEMICAL- WATER	Water for construction purpose	Acidity	IS:3025 P-22
91	CHEMICAL- WATER	Water for construction purpose	ALKALINITY	IS:3025 P-23
92	CHEMICAL- WATER	Water for construction purpose	CHLORIDE	IS:3025 P-32
93	CHEMICAL- WATER	Water for construction purpose	Inorganic	IS:3025 P-18
94	CHEMICAL- WATER	Water for construction purpose	ORGANIC	IS:3025 P-18
95	CHEMICAL- WATER	Water for construction purpose	pH	IS:3025 P-11
96	CHEMICAL- WATER	Water for construction purpose	SULPHATE AS SO3	IS:3025 P-24
97	CHEMICAL- WATER	Water for construction purpose	TOTAL SUSPENDED SOLID	IS:3025 P-17
98	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Compressive strength	Is:6441 Part5
99	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Dimensions	IS:2185 (Pt-3)
100	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Moisture Content	IS: 6441 (Part-1)
101	MECHANICAL- BUILDINGS MATERIALS	ACC Block	Oven Dry Density	IS:6441:Part1
102	MECHANICAL- BUILDINGS MATERIALS	Admixture	Bleeding Test	IS:9103
103	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water Content	IS:9103



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104	MECHANICAL- BUILDINGS MATERIALS	Aggregates	stripping value	IS 6241
105	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute viscosity	IS:1206(P-2)
106	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS:1208
107	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic viscosity	IS 1206(P-3)
108	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss On Heating	IS:1212
109	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS:1203
110	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
111	MECHANICAL- BUILDINGS MATERIALS	Bitumen	specific Gravity	IS:1202
112	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Bitumen Content	IS:3117
113	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	COATING ABILITY AND WATER RESISTANCE	IS:3117
114	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Ductility	IS:1208
115	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by evaporation	IS:8887
116	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 μ sieve	IS:8887
117	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	SIEVE TEST	IS:3117
118	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Binder Content	IRC-SP-11
119	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Density	ASTM D-2726
120	MECHANICAL- BUILDINGS MATERIALS	BITUMEN MIX	FLOW VALUE	ASTMD 6927
121	MECHANICAL- BUILDINGS MATERIALS	BITUMEN MIX	Marshal Stability	ASTMD 6927
122	MECHANICAL- BUILDINGS MATERIALS	Bitumen mix	Theoretical maximum specific gravity	ASTMD 2041



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123	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Thickness	MORTH(specn:Sec:500),5threvision
124	MECHANICAL- BUILDINGS MATERIALS	BITUMEN/BITUMENEMULSION	SOLUBILITY IN TRICHLOROETHYLENE	IS:1216
125	MECHANICAL- BUILDINGS MATERIALS	Bricks(Fuel Ash-Lime Bricks & Clay)	Efflorescence	IS: 3495 P-3
126	MECHANICAL- BUILDINGS MATERIALS	Bricks(Fuel Ash-Lime Bricks)	Length	IS: 12894
127	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 1)
128	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)
129	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC)/ White Portland cement (WPC)/ Portland Slag Cement (PSC))	Compressive strength	IS:4031(P-6)
130	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC)/ White Portland cement (WPC)/ Portland Slag Cement (PSC))	Density	IS:4031(P-11)
131	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC)/ White Portland cement (WPC)/ Portland Slag Cement (PSC))	Final setting time	IS:4031(P-5)
132	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC)/ White Portland cement (WPC)/ Portland Slag Cement (PSC))	Fineness by Blains Air permeability	IS:4031(P-2)
133	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC)/ White Portland cement (WPC)/ Portland Slag Cement (PSC))	Initial setting time	IS:4031(P-5)
134	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC)/ White Portland cement (WPC)/ Portland Slag Cement (PSC))	Soundness by Autoclave method	IS:4031(P-3)
135	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC)/ White Portland cement (WPC)/ Portland Slag Cement (PSC))	Soundness by Le-Chatelier method	IS:4031(P-3)
136	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement (OPC)/ Portland Pozzolana Cement (PPC)/ White Portland cement (WPC)/ Portland Slag Cement (PSC))	Standard consistency	IS 4031 (Part-4)
137	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring tiles	Flatness	IS:1237
138	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring tiles	Perpendicularity	IS:1237



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139	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring tiles	Straightness	IS: 1237
140	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring tiles	Water Absorption	IS: 1237
141	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Length)	IS 13630 (Part-1)
142	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Thickness)	IS 13630 (Part-1)
143	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Width)	IS 13630 (Part-1)
144	MECHANICAL- BUILDINGS MATERIALS	Clay Brick	Height	IS: 1077
145	MECHANICAL- BUILDINGS MATERIALS	Clay bricks	Length	IS: 1077
146	MECHANICAL- BUILDINGS MATERIALS	Clay bricks	Width	IS: 1077
147	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 µm	IS 2386 (Part 2)
148	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
149	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 (Part 4)
150	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Compacted)	IS 2386 (Part 3)
151	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
152	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay & Lumps	IS 2386 (Part 2)
153	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 3)
154	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
155	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
156	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 80 mm)	IS 2386 (Part 1)
157	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium sulphate	IS 2386 (Part 5)



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158	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
159	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
160	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength(ACT Method)	IS:9013
161	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow/Solid)	Water Absorption	IS:2185(Pt-1)
162	MECHANICAL- BUILDINGS MATERIALS	Concrete Block(Hollow/Solid)	density	IS:2185(Pt-1)
163	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1/Section 1)
164	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Compressive strength	IS: 15658
165	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Length	IS: 15658
166	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Visual Inspection	IS:15658
167	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Block	Water Absorption	IS: 15658
168	MECHANICAL- BUILDINGS MATERIALS	Concrete paving Blocks	Thickness	IS: 15658
169	MECHANICAL- BUILDINGS MATERIALS	Concrete paving Blocks	Width	IS: 15658
170	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	BULK DENSITY (RODDED)	IS 2386(PART 3)
171	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	BULK DENSITY(LOOSE)	IS 2386 PART 3
172	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay & Lumps	IS 2386 (Part 2)
173	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part 2)
174	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (75 µm to 10 mm)	IS 2386 (Part 1)
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)



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177	MECHANICAL- BUILDINGS MATERIALS	fine aggregates	bulking	IS 2386(PART 3)
178	MECHANICAL- BUILDINGS MATERIALS	fine aggregates	silt content	CPWD Specn.(appendix C);2019
179	MECHANICAL- BUILDINGS MATERIALS	fine aggregates	water absorption	IS 2386(PART 3)
180	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blains Air permeability	IS:1727
181	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Moisture Content	IS: 3812 (P-1)
182	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particles oversized Retained on 45 μ sieve(Wet Sieving)	IS:1727
183	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness By Autoclave Method	IS:1727
184	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	specific Gravity	IS:1727
185	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Setting Time	IS:1199:(P-7)
186	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump/Workability	IS:1199:(P-2)
187	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash- Lime Bricks	Height	IS: 12894
188	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash- Lime Bricks	Width	IS: 12894
189	MECHANICAL- BUILDINGS MATERIALS	Hard Concrete	Water Permeability	MORTH Spec.(5threvision)cl,1717.7.5)
190	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS:516(PART-1/SEC-1)
191	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Bulk Density	IS:13630-P2
192	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Water Absorption	IS:13630-P2
193	MECHANICAL- MECHANICAL PROPERTIES OF METALS	DI pipe, GI Pipe,	mass/unit length	IS:1239
194	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural steel ,Mild steel ,Stainless steel (Round And Sheet)	Yield strength	IS:1608 (PART-1)



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195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum sheet	Tensile Strength	IS: 1608 (P-1)
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum sheet	Elongation	IS: 1608(P-1)
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum sheet	Thickness	IS: 733
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DI pipe, GI Pipe	Bend test(Mandrel Dia:-24,32,36,40,48,50,60,64,72,80,84,96,100,12,120,125,140)	IS: 2329
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DI pipe, GI Pipe	Dimension (Outside diameter)	IS: 1239
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DI pipe, GI Pipe	Elongation	IS: 1608 (P-1)
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DI pipe, GI Pipe	Tensile strength	IS: 1608 (P-1)
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	GI Pipe	Hydrostatic pressure	IS: 1239
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Sheet	Dimension (Length)	IS: 6911
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural steel ,Mild steel, Stainless steel (Round And Sheet)	Bend test(Mandrel Dia:-24,32,36,40,48,50,60,64,72,80,84,96,100,12,120,125,140)	IS:1599
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural steel ,Mild steel, Stainless steel (Round And Sheet)	elongation	IS:1608-P-1
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural steel,	Dimension	IS 2062:2011,& IS 12778
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural steel, Mild steel, Stainless steel (Round and Sheet)	Tensile Strength	IS 1608 PART-1



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208	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel	Area	IS 1786
209	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Bar	Bendtest(MandrelDia:-24,32,36,40,48,50,60,64,72,80,84,96,100,12,120,125,140,150,160,192,240)	IS:1599
210	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Bar	elongation	IS:1608-P-1
211	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Bar	mass/unit length	IS: 1786
212	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Bar	Re-bend test(Mandrel Dia:-24, 32,36,40,48,50,60,64,72,80,84,96,100,12,120,125,14,1150,160,192,240)	IS: 1786
213	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Bar	Tensile strength	IS: 1608 (P-1)
214	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Bar	Yield strength	IS:1608(PART-1)
215	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness(%passing)	IS:6186
216	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture	IS:6186
217	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling Power	IS:6186
218	MECHANICAL- SOIL AND ROCK	Bentonite/Polymud	Free swell Index	IS:2720(Pt-40)
219	MECHANICAL- SOIL AND ROCK	Bentonite/Polymud	Liquid Limit	IS:2720(Pt-5)
220	MECHANICAL- SOIL AND ROCK	Bentonite/Polymud	Plastic limit	IS:2720(Pt-5)
221	MECHANICAL- SOIL AND ROCK	Bentonite/Polymud	Sand content	IS:6186
222	MECHANICAL- SOIL AND ROCK	Bentonite/Polymud	specific Gravity	IS:2720(Pt-3/Sec-1)



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223	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Water Absorption	IS:1124
224	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Moisture content	IS:13030
225	MECHANICAL- SOIL AND ROCK	Natural Building Stone	thickness	IS:1121
226	MECHANICAL- SOIL AND ROCK	SOIL	Direct Shear Test (Cohesion)	IS:2720PART-13
227	MECHANICAL- SOIL AND ROCK	Soil	DIRECT SHEAR TEST(Angle of internal friction)	IS:2720 PART-13
228	MECHANICAL- SOIL AND ROCK	Soil	Water Content by oven dry	IS:2720(Pt-2)
229	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Free Swell Index	IS:2720(Pt-40)
230	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Grain Size Analysis(upto0.1 μ)	IS:2720(Pt-4)
231	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Maximum Dry Density(heavy compaction)	IS:2720(Pt-8)
232	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Optimum Moisture Content(heavy compaction)	IS:2720(Pt-8)
233	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Shrinkage limit	IS:2720(Pt-6)
234	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Water Content by moisture meter	IS:2720(Pt-2)
235	MECHANICAL- SOIL- BASIC	Soil	California Bearing Ratio	IS 2720 (Part 16)
236	MECHANICAL- SOIL- BASIC	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
237	MECHANICAL- SOIL- BASIC	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
238	MECHANICAL- SOIL- BASIC	Soil	Liquid Limit	IS 2720 (Part 5)
239	MECHANICAL- SOIL- BASIC	Soil	Plastic Limit	IS 2720 (Part 5)
240	MECHANICAL- SOIL- BASIC	Soil	Specific Gravity	IS 2720 (Part 3)
241	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Carbonation Depth Test	IS:516:pt-5sec-3
242	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Rebound Hammer	IS:516:pt-5sec-4



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243	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Ultra-Sonic Pulse Velocity	IS:516:pt-5sec-1



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Site Facility				
1	MECHANICAL- SOIL AND ROCK	SOIL/GSB/WMM	Density by core cutting method	IS:2720 PART-29
2	MECHANICAL- SOIL AND ROCK	SOIL/GSB/WMM	Density by Sand Replacement	IS:2720 PART-28