



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

GUJARAT METAL & EQUIPMENTS TESTING LAB (OPC) PRIVATE LIMITED, MANI NAGAR-1, ANAND
BUNGLOW CHK, RAJKOT MALVIYANAGAR MAVDI, RAJKOT, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

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Permanent Testing				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride ion content	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Deleterious Material	IS 2386 (Part 1)
4	CHEMICAL- BUILDING MATERIAL	Admixture	Deleterious Material	IS 2386 (Part 2)
5	CHEMICAL- BUILDING MATERIAL	Admixture	Dry material content	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Admixture	Organic Impurities	IS 2386 (Part 2)
7	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
8	CHEMICAL- BUILDING MATERIAL	Admixture	Relative density	IS 9103
9	CHEMICAL- BUILDING MATERIAL	Admixture	Soluble Chloride as Cl	BS 1377-3
10	CHEMICAL- BUILDING MATERIAL	Admixture	Sulphate as SO ₃ (Acid Extract)	BS 1377-3
11	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Alkalies as (K ₂ O)	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Alkalies as (Na ₂ O)	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Alumina Oxide (as Al ₂ O ₃)	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Calcium Oxide as (CaO)	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Chlorides (As Cl)	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Insoluble residue	IS 4032



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17	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Iron Oxide (as Fe ₂ O ₃)	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Loss on ignition, Present by mass	IS 4032
19	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Magnesium oxide (MgO)	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Silicon Dioxide (As SiO ₂)	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Cementitious Materials	Sulphur as SO ₃	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Alumina Oxide (as Al ₂ O ₃)	IS 1727
23	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Calcium Oxide as (CaO)	IS 1727
24	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Chlorides (As Cl)	IS 4032
25	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Iron Oxide (as Fe ₂ O ₃)	IS 1727
26	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Loss on ignition , percent by mass	IS 1727
27	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Magnesium oxide (MgO)	IS 1727
28	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Sulphur Trioxide (as SO ₃)	IS 1727
29	CHEMICAL- METALS & ALLOYS	Austenitic & Ferritic Stainless Steel	Carbon	IS 9879
30	CHEMICAL- METALS & ALLOYS	Austenitic & Ferritic Stainless Steel	Chromium	IS 9879
31	CHEMICAL- METALS & ALLOYS	Austenitic & Ferritic Stainless Steel	Copper	IS 9879
32	CHEMICAL- METALS & ALLOYS	Austenitic & Ferritic Stainless Steel	Manganese	IS 9879



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33	CHEMICAL- METALS & ALLOYS	Austenitic & Ferritic Stainless Steel	Molybdenum	IS 9879
34	CHEMICAL- METALS & ALLOYS	Austenitic & Ferritic Stainless Steel	Nickel	IS 9879
35	CHEMICAL- METALS & ALLOYS	Austenitic & Ferritic Stainless Steel	Phosphorus	IS 9879
36	CHEMICAL- METALS & ALLOYS	Austenitic & Ferritic Stainless Steel	Silicon	IS 9879
37	CHEMICAL- METALS & ALLOYS	Austenitic & Ferritic Stainless Steel	Sulphur	IS 9879
38	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Aluminium	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Boron	ASTM E415
40	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Carbon	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Chromium	ASTM E415
42	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Cobalt	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Copper	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Manganese	ASTM E415
45	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Molybdenum	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Nickel	ASTM E415
47	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Phosphorous	ASTM E415
48	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Silicon	ASTM E415



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49	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Sulphur	ASTM E415
50	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Tin	ASTM E415
51	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Titanium	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Vanadium	ASTM E415
53	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Aluminium	IS 8811
54	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Carbon	IS 8811
55	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Chromium	IS 8811
56	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Copper	IS 8811
57	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Manganese	IS 8811
58	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Molybdenum	IS 8811
59	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Nickel	IS 8811
60	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Phosphorus	IS 8811
61	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Silicon	IS 8811
62	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Sulphur	IS 8811
63	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel (Mild Steel /Carbon Steel/Low Alloy Steel)	Tin	IS 8811
64	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999



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65	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338
66	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
67	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	IS 15338
68	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
69	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 15338
70	CHEMICAL- METALS & ALLOYS	Cast iron	Manganese	ASTM E1999
71	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
72	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
73	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 15338
74	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
75	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	IS 15338
76	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
77	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
78	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
79	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	IS 15338
80	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E1999



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81	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Aluminium	BS EN 15079
82	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Antimony	BS EN 15079
83	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Arsenic	BS EN 15079
84	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Bismuth	BS EN 15079
85	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Iron	BS EN 15079
86	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Lead	BS EN 15079
87	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Manganese	BS EN 15079
88	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Nickel	BS EN 15079
89	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Phosphorus	BS EN 15079
90	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Silicon	BS EN 15079
91	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Sulphur	BS EN 15079
92	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Tin	BS EN 15079
93	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Zinc	BS EN 15079
94	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
95	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
96	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086



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97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 1086
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	ASTM E1086
103	CHEMICAL- WATER	Water for construction purpose	Chloride Content	IS 3025 (Part 32)
104	CHEMICAL- WATER	Water for construction purpose	pH Value	IS 3025 (Part 11)
105	CHEMICAL- WATER	Water for construction purpose	pH Value	ISO 10523
106	CHEMICAL- WATER	Water for construction purpose	Sulphate (as SO ₃)	IS 3025 (Part 24) : Sec 1
107	MECHANICAL- BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregate (Coarse Aggregate)	10% Fines Value	IS 2386 (Part 4)
108	MECHANICAL- BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregate (Coarse Aggregate)	Impact Value	IS 2386 (Part 4)
109	MECHANICAL- BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregate (Coarse Aggregate)	Specific Gravity	IS 2386 (Part 3)



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110	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregate (Coarse Aggregate)	Water Absorption	IS 2386 (Part 3)
111	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregate (Coarse Aggregate)	Material finer than 75 Micron	IS 2386 (Part 1)
112	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Coarse Aggregate)	Abrasion Value	IS 2386 (Part 4)
113	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Coarse Aggregate)	Crushing Value	IS 2386 (Part 4)
114	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Coarse Aggregate)	Flakiness Index	IS 2386 (Part 1)
115	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Coarse Aggregate)	Loose Bulk Density	IS 2386 (Part 3)
116	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Coarse Aggregate)	Rodded Bulk Density	IS 2386 (Part 3)



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117	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Coarse Aggregate)	Sieve Analysis (0.090, 8.3, 9.5, 10, 12.5, 13.5, 16, 19, 20, 25, 31.5, 40, 37.5, 50, 63, 75, 80, 100 mm)	IS 2386 (Part 1)
118	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Coarse Aggregate)	Soundness by MgSO ₄	IS 2386 (Part 5)
119	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Coarse Aggregate)	Soundness by Na ₂ SO ₄	IS 2386 (Part 5)
120	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Coarse Aggregate)	Stripping Value	IS 6241
121	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Fine Aggregate)	Sieve Analysis (0.075, 0.150, 0.300, 0.600, 1.18, 2.36, 4.75, 10 mm)	IS 2386 (Part 1)
122	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Fine Aggregate)	Specific Gravity	IS 2386 (Part 3)
123	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregates (Fine Aggregate)	Water Absorption	IS 2386 (Part 3)



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124	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Asphalt Mixtures, Bituminous Mix	Binder Content	ASTM D2172
125	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Asphalt Mixtures, Bituminous Mix	Binder Content	IS 19008
126	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Asphalt Mixtures, Bituminous Mix	Density	ASTM D 2726
127	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Asphalt Mixtures, Bituminous Mix	Marshall Flow	ASTM D6927
128	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Asphalt Mixtures, Bituminous Mix	Marshall Stability	ASTM D6927
129	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Density	IS 6441 (Part 1)
130	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Dimensions - Height	IS 2185 (Part 3)



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131	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Dimensions - Length	IS 2185 (Part 3)
132	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Dimensions - Width	IS 2185 (Part 3)
133	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Drying Shrinkage	IS 6441 (Part 2)
134	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Moisture Content	IS 6441 (Part 1)
135	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Autoclaved Cellular Aerated Concrete Blocks (AAC)	Compressive Strength	IS 6441 (Part 5)
136	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
137	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Ductility	IS 1208 (Part 1)



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138	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Fire Point	IS 1209
139	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Flash Point	IS 1209
140	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Kinematic Viscosity at 135°C	IS 1206 (Part 3)
141	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Loss on heating	IS 1212
142	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Penetration	IS 1203
143	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Softening Point	IS 1205
144	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Solubility in Trichloroethylene (%)	IS 1216



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145	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen	Specific Gravity	IS 1202
146	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen Emulsion	Miscibility with Water	IS 8887
147	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen Emulsion	Penetration	IS 1203
148	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen Emulsion	Residue by Evaporation at 163 Degree	IS 8887
149	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen Emulsion	Residue on 600 Micron Sieve	IS 8887
150	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen Emulsion	Stability of Mixing with Cement	IS 8887
151	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bitumen Emulsion	Viscosity Saybolt Furol	IS 3117



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152	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Building Bricks	Compressive Strength	IS 3495 (Part 1)
153	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Building Bricks	Efflorescence	IS 3495 (Part 3)
154	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Building Bricks	Warpage	IS 3495 (Part 4)
155	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Building Bricks	Water Absorption	IS 3495 (Part 2)
156	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Building Bricks (Fly ash bricks)	Compressive strength	IS 3495 (Part 1)
157	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Building Bricks (Fly ash bricks)	Efflorescence	IS 3495 (Part 3)
158	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Building Bricks (Fly ash bricks)	Warpage	IS 3495 (Part 4)



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159	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Building Bricks (Fly ash bricks)	Water absorption	IS 3495 (Part 2)
160	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly ash Building Bricks	Dimension - Height	IS 13757
161	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly ash Building Bricks	Dimension - Length	IS 13757
162	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly ash Building Bricks	Dimension - Width	IS 13757
163	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cast Iron Manhole Covers & Frames	Dimension	IS 1726
164	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cast Iron Manhole Covers & Frames	Load Bearing Test	IS 1726
165	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cementitious materials (OPC / PPC / PSC / SRPC)	Compressive Strength	IS 4031 (Part 6)



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166	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cementitious materials (OPC / PPC / PSC / SRPC)	Density	IS 4031 (Part 11)
167	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cementitious materials (OPC / PPC / PSC / SRPC)	Final Setting Time	IS 4031 (Part 5)
168	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cementitious materials (OPC / PPC / PSC / SRPC)	Fineness (Blaine Air Permeability)	IS 4031 (Part 2)
169	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cementitious materials (OPC / PPC / PSC / SRPC)	Fineness by dry sieving	IS 4031 (Part 1)
170	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cementitious materials (OPC / PPC / PSC / SRPC)	Initial Setting Time	IS 4031 (Part 5)
171	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cementitious materials (OPC / PPC / PSC / SRPC)	Soundness (Le-Chatelier Methods)	IS 4031 (Part 3)
172	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cementitious materials (OPC / PPC / PSC / SRPC)	Standard Consistency	IS 4031 (Part 4)



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173	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Chequered Cement Concrete Tiles	Resistance to Wear	IS 13801
174	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Chequered Cement Concrete Tiles	Water absorption	IS 13801
175	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Building Bricks	Dimension - Height	IS 1077
176	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Building Bricks	Dimension - Length	IS 1077
177	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Building Bricks	Dimension - Width	IS 1077
178	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Concrete	RCPT (Rapid Chloride Penetration Test)	ASTM C1202
179	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Curing compounds for concrete	Determination of loss in mass	BS 7542



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180	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Soundness by MgSO ₄	IS 2386 (Part 5)
181	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Soundness by Na ₂ SO ₄	IS 2386 (Part 5)
182	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Foundry Sand	Bulk Density	IS 1918
183	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Foundry Sand	Clay Content	IS 1918
184	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Foundry Sand	Grain Fineness	IS 1918
185	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Foundry Sand	Moisture Content	IS 1918
186	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fresh Concrete	Setting Time	IS 1199 (Part 7)



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187	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fresh Concrete / Admixture	Bleeding	IS 9103
188	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fresh Concrete, Admixture, Concrete Mix	Slump Test	IS 1199 (Part 2)
189	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fresh Concrete, Concrete Mix	Flow (Consistency of Fresh Concrete)	IS 9103
190	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete	Compressive Strength	IS 516 (Part 1) Sec 1
191	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete	Flexural Strength	IS 516 (Part 1) Sec 1
192	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete	Moisture Movement	IS 516 (Part 6)
193	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete	Split Tensile Test	IS 516 (Part 1) Sec 1



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194	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete	Water Penetration / Permeability of Concrete	IS 516 (Part 2) Sec 1
195	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete (Paver Block)	Compressive Strength	IS 15658 (Annex-D)
196	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete (Paver Block)	Water Adsorption	IS 15658 (Annex-C)
197	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardness Concrete	Compressive Strength of Concrete core	IS 516 (Part 4)
198	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1)
199	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Precast Concrete Manhole cover & Frame	Dimension	IS 12592
200	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Precast Concrete Manhole cover & Frame	Load Bearing Test	IS 12592



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201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	0.1%, 0.2%, 0.5% & 1 % Proof Stress	IS 1608 (Part 1)
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	0.1%, 0.2%, 0.5% & 1 % Proof Stress	ISO 6892 (Part 1)
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	% Elongation	IS 1608 (Part 1)
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	% Elongation	ISO 6892 (Part 1)
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	% Reduction of Area	IS 1608 (Part 1)
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	% Reduction of Area	ISO 6892 (Part 1)
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	Tensile Strength	IS 1608 (Part 1)
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	Tensile Strength	ISO 6892 (Part 1)
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	Yield Strength	IS 1608 (Part 1)



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210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Pipe, Wire, Cast, Forged Specimen & Products	Yield Strength	ISO 6892 (Part 1)
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness (10/3000)	IS 1500 (Part 1)
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness (10/3000)	ISO 6506 (Part 1)
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness (5/750)	IS 1500 (Part 1)
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Brinell Hardness (5/750)	ISO 6506 (Part 1)
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact Test (Room temperature to -196 °C)	IS 1757 (Part 1)
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact Test (Room temperature to -196 °C)	ISO 148 (Part 1)
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (Scale B)	IS 1586 (Part 1)
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (Scale B)	ISO 6508 (Part 1)



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219	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (Scale C)	IS 1586 (Part 1)
220	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Rockwell Hardness Test (Scale C)	ISO 6508 (Part 1)
221	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel	Bend Test (Mandrel dia. sizes in mm: 20,24,30,32,36,40,42, 50,60,65,70,80,100,120,1 50,200)	IS 1599
222	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel	Bend Test (Mandrel dia. sizes in mm: 20,24,30,32,36,40,42,50, 60,65,70,80,100,12 0,150,200)	ISO 7438
223	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforced Steel	Re-Bend test (Mandrel dia. Sizes in mm: 32,40,42,50,56,60,70,72, 80,100,120,150,200)	IS 1786
224	MECHANICAL- SOIL AND ROCKS	Rock	Density	IS 13030
225	MECHANICAL- SOIL AND ROCKS	Rock	Porosity	IS 13030
226	MECHANICAL- SOIL AND ROCKS	Rock	Uni-axial Compressive Strength	IS 9143
227	MECHANICAL- SOIL AND ROCKS	Rock	Water Content	IS 13030
228	MECHANICAL- SOIL AND ROCKS	Soil	California Bearing Ratio	IS 2720 (Part 16)
229	MECHANICAL- SOIL AND ROCKS	Soil	Coefficient of Consolidation (ps)	IS 2720 (Part 15)
230	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear (Angle of internal friction)	IS 2720 (Part 13)



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231	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear (Cohesion)	IS 2720 (Part 13)
232	MECHANICAL- SOIL AND ROCKS	Soil	Free Swell Index	IS 2720 (Part 40)
233	MECHANICAL- SOIL AND ROCKS	Soil	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
234	MECHANICAL- SOIL AND ROCKS	Soil	Heavy Compaction - Optimal Moisture Content	IS 2720 (Part 8)
235	MECHANICAL- SOIL AND ROCKS	Soil	Light Compaction - Maximum Dry Density	IS 2720 (Part 7)
236	MECHANICAL- SOIL AND ROCKS	Soil	Light Compaction - Optimal Moisture Content	IS 2720 (Part 7)
237	MECHANICAL- SOIL AND ROCKS	Soil	Liquid Limit (Cone Penetration)	IS 2720 (Part 5)
238	MECHANICAL- SOIL AND ROCKS	Soil	Particle Size Distribution (Wet & Dry Analysis)	IS 2720 (Part 4)
239	MECHANICAL- SOIL AND ROCKS	Soil	Plastic Limit	IS 2720 (Part 5)
240	MECHANICAL- SOIL AND ROCKS	Soil	Sieve Analysis - Hydrometer Analysis	IS 2720 (Part 4)
241	MECHANICAL- SOIL AND ROCKS	Soil	Specific Gravity	IS 2720 (Part 3) Sec 1
242	MECHANICAL- SOIL AND ROCKS	Soil	Swelling Pressure	IS 2720 (Part 41)
243	MECHANICAL- SOIL AND ROCKS	Soil	Tri-axial Test (Angle of internal friction)	IS 2720 (Part 11)
244	MECHANICAL- SOIL AND ROCKS	Soil	Tri-axial test (cohesion)	IS 2720 (Part 11)
245	MECHANICAL- SOIL AND ROCKS	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
246	MECHANICAL- SOIL AND ROCKS	Soil	Water Content	IS 2720 (Part 2)



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Site Testing				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer Test	IS 516 (Part 5) Sec 4
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 5) Sec 1



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Permanent Site Facility				
1	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Aggregate (Coarse Aggregate)	Elongation Index	IS 2386 (Part 1)