



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

LABORATORY DIVISION -DR. GHUMAN AND GUPTA GEOTECH CONSULTANTS LLP, F-81,  
PHASE 7, INDUSTRIAL AREA, MOHALI, S.A.S NAGAR, PUNJAB, INDIA

**Accreditation Standard**

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Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Combined Ferric Oxide and Alumina	CL. 5.5 of IS 1727
2	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103 (Annexure E)
3	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride content	IS 6925
4	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103 (Annexure E)
5	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103 (Annexure E)
6	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103 (Annexure E)
7	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregates	Water Soluble Chloride Content	IS 14959
8	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Alkali Aggregate Reactivity (Dissolved Silica by Gravimetric Method)	CL 3.7 of IS 2386 (Part 7)
9	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Sulphates	IS 2317
10	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregates	Acid Soluble Chloride Content	IS 14959 (Part 2)
11	CHEMICAL- BUILDING MATERIAL	Coarse and Fine Aggregate	Alkali Aggregate Reactivity (Reduction in Alkalinity)	CL 3.9 of IS 2386 (Part 7)
12	CHEMICAL- BUILDING MATERIAL	Coarse and Fine Aggregate	Total Alkali Content (Na <sub>2</sub> O & K <sub>2</sub> O)	CL. 4.11 of IS 4032
13	CHEMICAL- BUILDING MATERIAL	Hardened Mortar and Concrete	Acid Soluble Chloride Content	IS 14959 (Part 2)
14	CHEMICAL- BUILDING MATERIAL	Hardened Mortar and Concrete	Sulphates	IS 2317
15	CHEMICAL- BUILDING MATERIAL	Hardened Mortar and Concrete	Water Soluble Chloride Content	IS 14959 (Part 2)
16	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Alumina	CL. 4.6 of IS 4032
17	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Calcium Oxide	CL 4.7.2 (EDTA method) of IS 4032
18	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Chloride Content	IS 4032



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19	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Combined Ferric Oxide and Alumina	CL. 4.4 of IS 4032
20	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Ferric Oxide	CL. 4.5 of IS 4032
21	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Insoluble Residue	CL. 4.10 of IS 4032
22	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Loss On Ignition	CL.4.2 of IS 4032
23	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Magnesia	CL.4.8.2 (EDTA Method) of IS 4032
24	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Potassium Oxide	CL. 4.11 of IS 4032
25	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Silica	CL. 4.3 of IS 4032
26	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Sodium Oxide	CL. 4.11 of Is 4032
27	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Sulphuric Anhydride	CL. 4.9 of IS 4032
28	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement	Chloride Content	IS 4032
29	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement	Insoluble Residue	CL. 4.10 of IS 4032
30	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement	Loss On Ignition	CL.4.2 of IS 4032
31	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement	Magnesia	CL.4.8.2 (EDTA Method) of IS 4032
32	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement	Potassium Oxide	CL. 4.11 of IS 4032
33	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement	Sodium Oxide	CL. 4.11 of Is 4032
34	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement	Sulphuric Anhydride	CL. 4.9 of IS 4032
35	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Alumina	CL. 5.7 of IS 1727
36	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Available Alkalies (as Na <sub>2</sub> O)	IS 3812 (Part 1) Annexure C
37	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Calcium Oxide	CL. 5.8 of IS 1727



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38	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Ferric Oxide	CL. 5.6 of IS 1727
39	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Loss On Ignition	CL 5.3 of IS 1727
40	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Magnesium Oxide	CL 5.9 of IS 1727
41	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Moisture	Cl.6.2 IS 3812 (Part 1)Annexure D
42	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Silica	CL 5.4 of IS 1727
43	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Silicon Dioxide plus Aluminium Oxide plus Iron Oxide % by mass	IS 1727, cl.5.4&5.5
44	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Sulphuric Anhydride	CL. 5.10 of IS 1727
45	CHEMICAL- BUILDING MATERIAL	Pulverized Fuel Ash/Fly Ash	Total Chlorides	IS 4032
46	CHEMICAL- METALS & ALLOYS	GI Metal	Mass of Zinc Coating (Stripping method)	IS 6745
47	CHEMICAL- METALS & ALLOYS	Low Allow Steel	Phosphorus	IS 228 (Part 3)
48	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 228 (Part 1)
49	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811
50	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811
51	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 228 (Part 2)
52	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 8811
53	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811
54	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	IS 8811
55	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 228 (Part 8)



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56	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811
57	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 228 (Part 9)
58	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 8811
59	CHEMICAL- METALS & ALLOYS	TMT Bar	Carbon Equivalent	IS 1786
60	CHEMICAL- WATER	Drinking Water	Specific Conductance	IS 3025 (Part 14)
61	CHEMICAL- WATER	Drinking Water	Calcium (As Ca)	CL 5 of IS 3025 (Part 40)
62	CHEMICAL- WATER	Drinking Water	Chloride (As CL)	CL 2 of IS 3025 (Part 32)
63	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
64	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	CL. 6 IS 3025 (Part 53)
65	CHEMICAL- WATER	Drinking Water	Magnesium	CL 6 of IS 3025 (Part 46)
66	CHEMICAL- WATER	Drinking Water	Nitrate As No3	Cl. 3.3 of IS 3025 (Part 34)
67	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
68	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025 (Part 11)
69	CHEMICAL- WATER	Drinking Water	Sulphates as SO4	Cl 4 of IS 3025 (Part 24 Section 1)
70	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCo3	IS 3025 (Part 23)
71	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
72	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCo3	IS 3025 (Part 21)
73	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
74	CHEMICAL- WATER	Water for construction purpose	Acidity - as volume of 0.02 N NaOH required to neutralize 100 ml	IS 3025 (Part 22)
75	CHEMICAL- WATER	Water for construction purpose	Alkalinity- as volume of 0.02 N H2So4 required to neutralize 100 ml	IS 3025 (Part 23)
76	CHEMICAL- WATER	Water for construction purpose	Chloride (as Cl)	CL. 2 of IS 3025 (Part 32)
77	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	IS 3025 (Part 18)
78	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS 3025 (Part 18)
79	CHEMICAL- WATER	Water for construction purpose	pH value	IS 3025 (Part 11)



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80	CHEMICAL- WATER	Water for construction purpose	Sulphates	CL 4 of IS 3025 (Part 24 Section 1)
81	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 (Part 17)
82	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity @60°C	IS 1206 (Part 2)
83	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208 (Part 1)
84	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash and Fire Point — Cleveland Open Cup Method	IS 1448 (Part 69)
85	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
86	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration value	IS 1203
87	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point - Ring & Ball apparatus	IS 1205
88	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in Trichloroethylene	IS 1216 (Method A)
89	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
90	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Efflorescence Test	IS 3495 (Part 3)
91	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay building Bricks	Compressive Strength	IS 3495 (Part 1)
92	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions (Height)	IS 1077
93	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions (Length)	IS 1077
94	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions (Width)	IS 1077
95	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Water Absorption	IS 3495 (Part 2)
96	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Determination of Breaking Strength	IS 2720 (Part 6)
97	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Determination of Bulk Density	IS 13630 (Part 2)
98	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Determination of Modulus of Rupture	IS 2720 (Part 6)



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99	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Determination of Scratch Hardness of Surface According to Mohs' Scale	IS 13630 Part 13
100	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Determination of Stain and Chemical Resistance of Glazed Tiles	IS 13630 (Part 8)
101	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Determination of Water Absorption	IS 13630 (Part 2)
102	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimensions (length)	IS 13630 part 1
103	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles	Dimensions (Thickness)	IS 13630 (Part 1)
104	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles	Dimensions (width)	IS 13630 (Part 1)
105	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles	Rectangularity	IS 13630 (Part 1)
106	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles	Straightness	IS 13630 (Part 1)
107	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 Percent Fines Value	IS 2386 (Part 4)
108	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value - Los Angeles Method	IS 2386 (Part 4)
109	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Apparent Specific Gravity	IS 2386 (Part 3)
110	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Compacted	IS 2386 (Part 3)
111	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Loose	IS 2386 (Part 3)
112	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Combined Flakiness and Elongation Index	IS 383
113	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
114	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious materials- Clay lumps	IS 2386 (Part 2)
115	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Determination of Deleterious materials- organic impurities	IS 2386 (Part 2)
116	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Determination of Deleterious materials- soft particles	IS 2386 (Part 2)



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117	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Determination of Deleterious materials-light weight particles (coal and lignite)	IS 2386 (Part 2)
118	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Determination of material finer than 75 micron	IS 2386 (Part 1)
119	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Elongation Index	IS 2386 (Part 1)
120	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness index	IS 2386 (Part 1)
121	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
122	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (0.075 mm to 90 mm)	IS 2386 (Part 1)
123	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness of aggregate by magnesium sulphate	IS 2386 (Part 5)
124	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness of aggregate by Sodium Sulphate	IS 2386 (Part 5)
125	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity based on dry aggregate	IS 2386 (Part 3)
126	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity based on saturated surface dry weight	IS 2386 (Part 3)
127	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
128	MECHANICAL- BUILDINGS MATERIALS	Concrete /Mortar cube	Permeability of Cement Mortar and Concrete	IS 516 (Part 2 sec 1)
129	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Testing of Concrete Cores-Density	IS 516 (Part 4)
130	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Testing of Concrete Cores-Compressive Strength	IS 516 (Part 4)
131	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	28 Days Compressive Strength by accelerated curing method (Boiling Water Method)	IS 9013
132	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1 Sec 1)
133	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Density of Hardened Concrete	IS 516 (Part 2 Sec 1)
134	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	(Dimensions) Deviation from Squareness	IS 15658



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135	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Abrasion Resistance (Dry)	IS 15658
136	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Abrasion Resistance (Wet)	IS 15658
137	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS 15658
138	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimensions (Arris/Chamfer)	IS 15658
139	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimensions (Aspect Ratio)	IS 15658
140	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimensions (Length)	IS 15658
141	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimensions (Plan Area)	IS 15658
142	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimensions (ratio of wearing face area and plan area)	IS 15658
143	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimensions (Thickness of Wearing Layer)	IS 15658
144	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimensions (Thickness)	IS 15658
145	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimensions (Width)	IS 15658
146	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Flexural Strength	IS 15658
147	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Freeze Thaw Durability	IS 15658
148	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Tensile Splitting Strength	IS 15658
149	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Visual Inspection	IS 15658
150	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS 15658
151	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Wearing Face Area	IS 15658
152	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Apparent Specific Gravity	IS 2386 (Part 3)
153	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density- Compacted	IS 2386 (Part 3)





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154	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density- Loose	IS 2386 (Part 3)
155	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Fine Aggregate	IS 2386 (Part 3)
156	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Determination of Deleterious materials- clay lumps	IS 2386 (Part 2)
157	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Determination of Deleterious materials- light weight particles (coal and lignite)	IS 2386 (Part 2)
158	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Determination of Deleterious materials- soft particles	IS 2386 (Part 2)
159	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Determination of Deleterious materials-organic impurities	IS 2386 (Part 2)
160	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Determination of material finer than 75 micron	IS 2386 (Part 1)
161	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.045 mm to 10 mm)	IS 2386 (Part 1)
162	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS 2386 (Part 2)
163	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness of aggregate by magnesium sulphate	IS 2386 (Part 5)
164	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness of aggregate by sodium sulphate	IS 2386 (Part 5)
165	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity based on dry aggregate	IS 2386 (Part 3)
166	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity based on saturated surface dry weight	IS 2386 (Part 3)
167	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Surface Moisture	IS 2386 (Part 3)
168	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
169	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Determination of Compressive Strength at 28 days	IS 1727
170	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Determination of density	IS 4031 (Part 11)
171	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Determination of Final Setting Time	IS 1727



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172	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Determination of Initial Time	IS 1727
173	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness - Specific Surface by Blaine's Permeability Method	IS 1727
174	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
175	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particles Retained on 45 Micron IS Sieve	IS 1727
176	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave Test	IS 1727
177	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Le Chatelier Method	IS 1727
178	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Workability by Slump Test	IS 1199 (Part 2)
179	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Determination of fineness by Blaine air permeability	IS 4031 (Part 2)
180	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Initial Setting Time	IS 4031 (Part 5)
181	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Determination of compressive strength of cement	IS 4031 (Part 6)
182	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Determination of consistency of standard cement paste	IS 4031 (Part 4)
183	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Determination of Density	IS 4031 (Part 11)
184	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Determination of final setting time	IS 4031 (Part 5)
185	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Fineness by Dry Sieving	IS 4031 (Part 1)
186	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Soundness- Autoclave Method	IS 4031 (Part 3)
187	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Soundness- Le Chatelier Method	IS 4031 (Part 3)
188	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Determination of compressive strength of cement	IS 4031 (Part 6)
189	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Determination of consistency of standard cement paste	IS 40301 (part 4)
190	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Determination of fineness by Blaine air permeability method	IS 4031 (Part 2)



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191	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Density	IS 4031 (Part 11)
192	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Determination of final setting time	IS 4031 (Part 5)
193	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Determination of fineness by dry sieving	IS 4031 (Part 1)
194	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Determination of initial setting time	IS 4031 (Part 5)
195	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Determination of soundness- Autoclave Method	IS 4031 (Part 3)
196	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Soundness- Le Chatelier	IS 4031 (Part 3)
197	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Moisture Content	IS 2185 (Part 1)
198	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Bulk Density	IS 6441 (Part 1)
199	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Compressive Strength	IS 6441 (Part 5)
200	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Dimensions (Height)	IS 2185 (Part 3)
201	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Dimensions (Length)	IS 2185 (Part 3)
202	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Dimensions (Width)	IS 2185 (Part 3)
203	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Drying Shrinkage	IS 6441 (Part 2)
204	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Thermal Conductivity	IS 3346
205	MECHANICAL- BUILDINGS MATERIALS	Pulverised Fuel Ash Lime Bricks	Compressive Strength	IS 3495 (Part 1)
206	MECHANICAL- BUILDINGS MATERIALS	Pulverised Fuel Ash Lime Bricks	Dimensions (Height)	IS 12894
207	MECHANICAL- BUILDINGS MATERIALS	Pulverised Fuel Ash Lime Bricks	Dimensions (Length)	IS 12894
208	MECHANICAL- BUILDINGS MATERIALS	Pulverised Fuel Ash Lime Bricks	Dimensions (Width)	IS 12894
209	MECHANICAL- BUILDINGS MATERIALS	Pulverised Fuel Ash Lime Bricks	Efflorescence Test	IS 3495 (Part 3)



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210	MECHANICAL- BUILDINGS MATERIALS	Pulverised Fuel Ash Lime Bricks	Water Absorption	IS 3495 (Part 2)
211	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	% Elongation	IS 1608 (Part 1)
212	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	0.2 % Proof Stress	IS 1608 (Part 1)
213	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Bend Test	IS 1599
214	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Mass per Metre	IS 1786
215	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Re-Bend Test	IS 1786
216	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Tensile Strength	IS 1608 (Part 1)
217	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Yield Stress	IS 1608 (Part 1)
218	MECHANICAL- SOIL AND ROCK	Clays & Soil	Classification (Identification) Test	IS 1498
219	MECHANICAL- SOIL AND ROCK	Clays & Soils	Laboratory determination of permeability (Constant Head)	IS 2720 (Part 17)
220	MECHANICAL- SOIL AND ROCK	Clays & Soils	Laboratory determination of permeability (Falling Head)	IS 2720 (Part 17)
221	MECHANICAL- SOIL AND ROCK	Clays & Soils	Determination of Compression Index CC	IS 2720 (Part 15)
222	MECHANICAL- SOIL AND ROCK	Clays & Soils	Determination of free swell index of soils	IS 2720 (Part 40)
223	MECHANICAL- SOIL AND ROCK	Clays & Soils	Determination of liquid limit	IS 2720 (Part 5)
224	MECHANICAL- SOIL AND ROCK	Clays & Soils	Determination of shrinkage limit	IS 2720 (Part 6)
225	MECHANICAL- SOIL AND ROCK	Clays & Soils	Determination of Specific Gravity,	IS 2720 (Part 3 Sec 1)
226	MECHANICAL- SOIL AND ROCK	Clays & Soils	Determination of water content	IS 2720 (Part 2)
227	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct shear test - Angle of Internal Friction	IS 2720 (Part 13)
228	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct shear test - Cohesion	IS 2720 (Part 13)



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229	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain Size Analysis by Dry method (Sieve Analysis)	IS 2720 (Part 4)
230	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain Size Analysis by Wet Method (Hydrometer Method)	IS 2720 (Part 4)
231	MECHANICAL- SOIL AND ROCK	Clays & Soils	heavy compaction test (MDD)	IS 2720 (Part 8)
232	MECHANICAL- SOIL AND ROCK	Clays & Soils	heavy compaction test (OMC)	IS 2720 (Part 8)
233	MECHANICAL- SOIL AND ROCK	Clays & Soils	Laboratory determination of CBR Soaked	IS 2720 (Part 16)
234	MECHANICAL- SOIL AND ROCK	Clays & Soils	Laboratory determination of CBR Unsoaked	IS 2720 (Part 16)
235	MECHANICAL- SOIL AND ROCK	Clays & Soils	light compaction test (MDD)	IS 2720 (Part 7)
236	MECHANICAL- SOIL AND ROCK	Clays & Soils	light compaction test (OMC)	IS 2720 (Part 7)
237	MECHANICAL- SOIL AND ROCK	Clays & Soils	Shrinkage Index	IS 2720 (Part 6)
238	MECHANICAL- SOIL AND ROCK	clays and soils	Determination of Plastic Limit	IS 2720 (Part 5)
239	MECHANICAL- SOIL AND ROCK	clays and soils	Determination of Plasticity Index	IS 2720 (Part 5)
240	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete	Carbonation Depth Test	IS 516 (Part 5 sec 3)



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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Clays & Soil	In situ Density (Sand Replacement Method)	IS 2720 (Part 28)
2	MECHANICAL- SOIL AND ROCK	Clays & Soil	In situ Dry Density (Core Cutter Method)	IS 2720 (Part 29)
3	MECHANICAL- SOIL AND ROCK	Clays & Soil	Rapid Determination of moisture content using calcium carbide	IS 2720 (Part 2)
4	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete	Carbonation Depth Test	IS 516 (Part 5 sec 3)
5	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete	Crack depth measurement in reinforcement concrete structure	CL. 2.5.5 of IS 516 (Part 5 sec 1 Annex C)
6	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete	Half Cell Potential difference test	IS 516 (Part 5 sec 2)
7	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete	Pile Integrity Test	IS 14893
8	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete	Rebound Hammer Test	IS 516 (Part 5 Sec 4)
9	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Cement Concrete	Ultrasonic Pulse Velocity Tests	IS 516 (Part 5 Sec 1)