National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LABORATORY DIVISION - DR. GHUMAN AND GUPTA GEOTECH CONSULTANTS, F-81, PHASE 7, INDUSTRIAL AREA, MOHALI, S.A.S NAGAR, PUNJAB, 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	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	IS 9103
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH value	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9013
6	CHEMICAL- BUILDING MATERIAL	Cement	Chloride	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement OPC/PPC	Alkali Content Potassium Oxide	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement OPC/PPC	Alkali Content Sodium Oxide	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Coarse and Fine Aggregate	Alkali Aggregate Reactivity 1) Dissolved Silica	IS 2386 Part 7
10	CHEMICAL- BUILDING MATERIAL	Coarse and Fine Aggregate	Alkali Aggregate Reactivity 1) Reduction in alakilinity	IS 2386
11	CHEMICAL- BUILDING MATERIAL	Coarse and Fine Aggregate	Alkali Content Potassium Oxide	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Coarse and Fine Aggregate	Alkali Content Sodium Oxide	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Coarse and Fine Aggregate	Chloride	IS 14959 Part 2
14	CHEMICAL- BUILDING MATERIAL	Coarse and Fine Aggregate	Sulphate	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkali as Sodium Oxide	IS 3812 Part 1
16	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide	IS 1727
17	CHEMICAL- BUILDING MATERIAL	Fly Ash	Combined Ferric Oxide and Alumina	IS 1727
18	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS 1727

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19	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia	IS 1727
20	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica	IS 1727
21	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride	IS 1727
22	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Magnesium Oxide	IS 4032
23	CHEMICAL- BUILDING MATERIAL	ordinary portland cement OPC	Aluminium Oxide	IS 4032
24	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement OPC	Calcium Oxide	IS 4032
25	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement OPC	Insoluble Residue	IS 4032
26	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement OPC	Iron Oxide	IS 4032
27	CHEMICAL- BUILDING MATERIAL	Ordinary Portland cement OPC	Loss on Ignition	IS 4032
28	CHEMICAL- BUILDING MATERIAL	Ordinary Portland cement OPC	Silica	IS 4032
29	CHEMICAL- BUILDING MATERIAL	Ordinary Portland cement OPC	Sulphuric Anhydride as SO3	IS 4032
30	CHEMICAL- BUILDING MATERIAL	Pozzolona Portland Cement PPC	Calcium Oxide	IS 4032
31	CHEMICAL- BUILDING MATERIAL	Pozzolona Portland Cement PPC	Insoluble Residue	IS 4032
32	CHEMICAL- BUILDING MATERIAL	Pozzolona Portland Cement PPC	Loss on Ignition	IS 4032
33	CHEMICAL- BUILDING MATERIAL	Pozzolona Portland Cement PPC	Magnesium Oxide	IS 4032
34	CHEMICAL- BUILDING MATERIAL	Pozzolona Portland Cement PPC	Sulphuric Anhydride as SO3	IS 4032
35	CHEMICAL- METALS & ALLOYS	Low alloy steel and Plain carbon steel	carbon	IS 228 (Part 1)
36	CHEMICAL- METALS & ALLOYS	Low alloy steel and Plain carbon steel	manganese	IS 228 ,Part 2
37	CHEMICAL- METALS & ALLOYS	Low alloy steel and Plain carbon steel	Phosphorus	IS 228 (part 3)

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38	CHEMICAL- METALS & ALLOYS	Low alloy steel and Plain carbon steel	Sulphur	IS 228 (part 9)
39	CHEMICAL- METALS & ALLOYS	TMT Bar	Carbon Equivalent	IS 1786
40	CHEMICAL- WATER	Construction Water	Chloride as Cl - Argenometric method	IS 3025 (part 32) Clause no 2
41	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (part 18)
42	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (part 18)
43	CHEMICAL- WATER	Construction Water	pH Value	IS 3025 (part 11)
44	CHEMICAL- WATER	Construction Water	Sulphate as SO3 - Gravimetric method	IS 3025 (part 24) Clause no 2
45	CHEMICAL- WATER	Construction Water	Suspended matter	IS 3025 (part 17)
46	CHEMICAL- WATER	Construction Water	volume of 0.02N H2SO4 used to neutralized 100 ml of sample using mixed indicator (Alkanity)	IS 3025 (part 23)
47	CHEMICAL- WATER	Construction Water	Volume of 0.02N NaOH used to neutralized 100 ml of sample using phenolphthalein indicator (Acidity)	IS 3025 (part 22)
48	CHEMICAL- WATER	Drinking Water	Calcium (as Ca) - EDTA titrimetric mthod	IS 3025 (part 40), Clause no 5
49	CHEMICAL- WATER	Drinking Water	Chloride (as Cl) - Argenometric method	IS 3025 (part 32) Clause no 2
50	CHEMICAL- WATER	Drinking Water	Colour (Hazen) - Platinum cobalt method	IS 3025 (part 4) Clause no 2
51	CHEMICAL- WATER	Drinking Water	IRON (as Fe) - 1,10 phenanthroline method	IS 3025 (Part 53), Clause 6
52	CHEMICAL- WATER	Drinking Water	Magnesium - Volumtric method using EDTA	IS 3025 (part 46) Clause no 6
53	CHEMICAL- WATER	Drinking Water	Nitrate (as No3) - Chromotropic Acid method	IS 3025 (part 34), Clause no 3.3
54	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (part 5)
55	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025 (part 11)
56	CHEMICAL- WATER	Drinking Water	Sulphate - Turbidity method	IS 3025 (part 24) Clause no 4
57	CHEMICAL- WATER	Drinking Water	Total Alkalinity (As CaCO3)	IS 3025 (part 23)
58	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (part 16)

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59	CHEMICAL- WATER	Drinking Water	Total hardness (as CaCO3)	IS 3025 (part 21)
60	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (part 10)
61	MECHANICAL- BUILDINGS MATERIALS		Compressive Strength	IS 3495 (part 1)
62	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration (Tenths of a Millimeter)	IS 1203
63	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
64	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen/Industrial Bitumen	Absolute Viscosity @ 60 Degree	IS 1206 Part 2
65	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen/Industrial Bitumen	Ductility Test	IS 1208
66	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen/Industrial Bitumen	Flash Point	IS 1448 (Part 69)
67	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen/Industrial Bitumen	Kinematic Viscosity	IS 1206 Part 3
68	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen/Industrial Bitumen	Solubility in Trichloroethylene	IS 1216
69	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen/Industrial Bitumen	Specific Gravity	IS 1202
70	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (length)	IS 1077
71	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimensions (Height)	IS 1077
72	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimensions (Width)	IS 1077
73	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (part 3)
74	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (part 2)
75	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	5 Hours Boiling Water Absorption	IS 3495 (part 2)
76	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Determination of Warpage	IS 3495 (Part 4)
77	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	DETERMINATION OF WATER ABSORPTION - Saturation Coefficient	IS 3495 (Part 2)

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78	MECHANICAL- BUILDINGS MATERIALS	cement	Compressive Strength	IS 4031 (part 6)
79	MECHANICAL- BUILDINGS MATERIALS	cement	Consistency	IS 4031 (part 4)
80	MECHANICAL- BUILDINGS MATERIALS	cement	Density (specific gravity)	IS 4031 (part 11)
81	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness Blaine air permeability method	IS 4031 (part 2)
82	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031 (part 1)
83	MECHANICAL- BUILDINGS MATERIALS	cement	Setting time (Final)	IS 4031 (part 5)
84	MECHANICAL- BUILDINGS MATERIALS	cement	Setting time (Initial)	IS 4031 (part 5)
85	MECHANICAL- BUILDINGS MATERIALS	cement	soundness Autoclave method	IS 4031 (part 3)
86	MECHANICAL- BUILDINGS MATERIALS	cement	Soundness Le-Chatelier method	IS 4031 (part 3)
87	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Flatness	IS 1237
88	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Perpendicularity	IS 1237
89	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Resistance to wear	IS 1237
90	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Straightness	IS 1237
91	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Thickness of Wearing Layer	IS 1237
92	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Wet Transverse Strength	IS 1237
93	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Strength	IS 13630 (Part 6)
94	MECHANICAL- BUILDINGS MATERIALS	ceramic tiles	Bulk Density	IS 13630 (part 2)
95	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Crazing Resistance	IS 13630 (Part 9)
96	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of Rupture	IS 13630 (part 6)

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97	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Rectangularity	IS 13630 (PART 1)
98	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Straightness of sides	IS 13630 (Part 1)
99	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Flatness	IS 13801
100	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Perpendicularity	IS 13801
101	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Resistance to Wear	IS 13801
102	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Straightness	IS 13801
103	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Thickness of wearing layer	IS 13801
104	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Wet Transverse Strength	IS 13801
105	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines value	IS 2386 (part 4)
106	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion value	IS 2386 (part 4)
107	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (part 3)
108	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Coal and Lignite	IS 2386 (part 2)
109	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Combined Flakiness and Elongation Index	IS 2386 Part 4
110	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (part 4)
111	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material Clay Lumps and Soft Fragments	IS 2386 (part 2)
112	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Determination of material finer than 75 micron	IS 2386 (part 1)
113	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (part 1)
114	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (part 1)
115	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (part 4)

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116	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Moisture Content	IS 2386 (Part 3)
117	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size: 80 mm, 63 mm, 40 mm, 20 mm, 16 mm, 12.5 mm, 10 mm, 4.75 mm, 2.36 mm)	IS 2386 (Part 1)
118	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by MgSo4	IS 2386 (part 5)
119	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2So4	IS 2386 (part 5)
120	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (part 3)
121	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (part 3)
122	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump	IS 1199
123	MECHANICAL- BUILDINGS MATERIALS	Concrete Cores	Compressive strength of Concrete Cores	IS 516 Part 4
124	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 Part 1 sec 1
125	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Abrasion Resistance	IS 15658 Annex E
126	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Flexural Strength	IS 15658
127	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Freeze Thaw Durability	IS 15658 Annex H
128	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Tensile Splitting Strength	IS 15658 Aneex F
129	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (part 3)
130	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Coal and Lignite	IS 2386 (part 2)
131	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious material clay lumps	IS 2386 (part 2)
132	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Determination of material finer than 75 micron	IS 2386 (part 1)
133	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (part 2)

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134	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size: 10 mm, 4.75 mm, 2.36 mm, 1.18 mm, 600 micron, 300 micron, 150 micron, 75 micron)	IS 2386 (Part 1)
135	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by MgSo4	IS 2386 (part 5)
136	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness Soundness by Na2So4	IS 2386 (part 5)
137	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (part 3)
138	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Surface Moisture	IS 2386 (Part 3)
139	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (part 3)
140	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
141	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension (Height)	IS 15658
142	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension (Length)	IS 15658
143	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimensions (Width)	IS 15658
144	MECHANICAL- BUILDINGS MATERIALS	Paver blocks	Water Absorption	IS 15658
145	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Bulk Density	IS 6441 (Part 1)
146	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Compressive Strength	IS 6441 (Part 5)
147	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Dimension (Length)	IS 6441 (Part 3)
148	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Dimensions (Height)	IS 6441 (Part 3)
149	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Dimensions (Width)	IS 6441 (Part 3)
150	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Drying Shrinkage	IS 6441 (Part 2)
151	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Moisture Content	IS 6441 (Part 1)

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152	MECHANICAL- BUILDINGS MATERIALS	Precast Autoclaved Cellular (Aerated) Concrete Blocks	Thermal Conductivity	IS 3346
153	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles	Chemical properties - Resistance to acid and alkalies	IS 13630 (Part 8), IS 15622
154	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles	Dimension (Thickness)	IS 13630 (Part 1)
155	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles	Dimension (Width)	IS 13630 (Part 1)
156	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles	Dimensions (length)	IS 13630 Part 1
157	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles	scratch hardness of surface	IS 13630 part 13
158	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles	Water Absorption	IS 13630 Part 2
159	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Compressive Strength (At 28 days w.r.t. control sample)	IS 1727
160	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Final Setting Time	IS 1727
161	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Fineness by Blaine's Permeability Method	IS 1727
162	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Initial Setting Time	IS 1727
163	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Lime Reactivity	IS 1727
164	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Particle retained on 45 micron IS sieve (wet Sieving)	IS 1727
165	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Soundness by Autoclave Expansion	IS 1727
166	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Soundness by Le-Chatelier Expansion	IS 1727
167	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Specific Gravity	IS 1727
168	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Lime Bricks	24 Hours water absorption	IS 3495 (part 2)
169	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Lime Bricks	5 Hours boiling water absorption test	IS 3495 (Part 2)
170	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Lime Bricks	Compressive Strength	IS 3495 (Part 1)

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171	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Lime Bricks	Dimension (Height)	IS 12894
172	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Lime Bricks	Dimension (Width)	IS 12894
173	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Lime Bricks	Dimensions (Length)	IS 12894
174	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Lime Bricks	Efflorescence	IS 3495 (Part 3)
175	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Lime Bricks	Saturation Coefficient	IS 3495(Part 2)
176	MECHANICAL- BUILDINGS MATERIALS	Tiles cement concrete flooring tiles (plain cement/plain coloured/ terrazzo)	Dimensions (Width)	IS 1237
177	MECHANICAL- BUILDINGS MATERIALS	Tiles cement concrete flooring tiles (plain cement/plain coloured/ terrazzo)	Dimensions (Thickness)	IS 1237
178	MECHANICAL- BUILDINGS MATERIALS	Tiles cement concrete flooring tiles (plain cement/plain coloured/ terrazzo)	Dimensions (length)	IS 1237
179	MECHANICAL- BUILDINGS MATERIALS	Tiles cement concrete flooring tiles (plain cement/plain coloured/ terrazzo)	water absorption	IS 1237
180	MECHANICAL- BUILDINGS MATERIALS	Tiles Chequered cement concrete tiles	Dimensions (length)	IS 13801
181	MECHANICAL- BUILDINGS MATERIALS	Tiles Chequered cement concrete tiles	Dimensions (Thickness)	IS 13801
182	MECHANICAL- BUILDINGS MATERIALS	Tiles Chequered cement concrete tiles	Dimensions (Width)	IS 13801
183	MECHANICAL- BUILDINGS MATERIALS	Tiles Chequered cement concrete tiles	water absorption	IS 13801
184	MECHANICAL- BUILDINGS MATERIALS	TMT bar	Tensile Stress	IS 1608 Part 1
185	MECHANICAL- BUILDINGS MATERIALS	TMT bars	Bend Test (Fe 500 and Fe 500 D)	IS 1599
186	MECHANICAL- BUILDINGS MATERIALS	TMT bars	Elongation	IS 1608 part 1
187	MECHANICAL- BUILDINGS MATERIALS	TMT bars	Rebend Test (Fe 500 and Fe 500 D)	IS 1786
188	MECHANICAL- BUILDINGS MATERIALS	TMT bars	Total Elongation	IS 1608 part 1
189	MECHANICAL- BUILDINGS MATERIALS	TMT bars	Weight per metre	IS 1786

SCOPE OF ACCREDITATION

Laboratory Name :	LABORATORY DIVISION - DR. GHUMAN AND GUPTA GEOTECH CONSULTANTS, F-81, PHASE 7, INDUSTRIAL AREA, MOHALI, S.A.S NAGAR, PUNJAB, 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
190	MECHANICAL- BUILDINGS MATERIALS	TMT bars	Yield Strength	IS 1608 part 1
191	MECHANICAL- BUILDINGS MATERIALS	TMT bars	Yield Stress	IS 1608 part 1
192	MECHANICAL- SOIL AND ROCK	Soil	CBR (Soaked)	IS 2720 (part 16)
193	MECHANICAL- SOIL AND ROCK	Soil	CBR Unoaked	IS 2720 (Part 16)
194	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Compression index (CC)	IS 2720 part 15
195	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test-Angle of internal friction	IS: 2720 (Part 13)
196	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test-Cohesion (C)	IS 2720 part 13
197	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (part 40)
198	MECHANICAL- SOIL AND ROCK	Soil	Grain Size distribution (4.75 mm to 0.002 mm)	IS 2720 (Part 4)
199	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction test MDD	IS 2720 (part 8)
200	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction test OMC	IS 2720 (part 8)
201	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction test MDD	IS 2720 (part 7)
202	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction test OMC	IS 2720 (part 7)
203	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (part 5)
204	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (part 2)
205	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
206	MECHANICAL- SOIL AND ROCK	Soil	Plasticity Index	IS 2720 (part 5)
207	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Index	IS 2720 (part 6)
208	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (part 3) Section 1

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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
209	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Carbonation Depth Test	IS 516 (Part 5/Sec3)

SCOPE OF ACCREDITATION

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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
Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	reinforced concrete structure	compressive strength rebound hammer test	IS 516 part 5 sec 4
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete STructure	Pile Integrity TEst	IS 14893
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Ultra Pulse Velocity Test	Ultra Pulse Velocity TEST	IS 516 (Part 5/Sec1)