National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 1 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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	pH	IS: 9103
3	CHEMICAL- BUILDING MATERIAL	Admixture	Chlorides	IS: 6925
4	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS: 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS: 9103
6	CHEMICAL- BUILDING MATERIAL	Aggregates	Chlorides	IS 14959 (P-2)
7	CHEMICAL- BUILDING MATERIAL	Aggregates	Alkali Aggregate Reactivity (Dissolved Silica (Sc))	IS: 2386 (P-VII)
8	CHEMICAL- BUILDING MATERIAL	Aggregates	Alkali Aggregate Reactivity (Reduction In Alkanity) (Rc)	IS: 2386 (P-VII)
9	CHEMICAL- BUILDING MATERIAL	Aggregates	Sulphates	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement	Loss on Ignition (LOI)	IS: 4032
11	CHEMICAL- BUILDING MATERIAL	Cement	Sulphuric Anhydride (SO3)	IS: 4032
12	CHEMICAL- BUILDING MATERIAL	Cement	Alkali Content	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement	Alumina (Al2O3)	IS: 4032
14	CHEMICAL- BUILDING MATERIAL	Cement	Chlorides (Cl)	IS: 4032
15	CHEMICAL- BUILDING MATERIAL	Cement	Insoluble Residue (IR)	IS: 4032
16	CHEMICAL- BUILDING MATERIAL	Cement	Iron Oxide (Fe2O3)	IS: 4032
17	CHEMICAL- BUILDING MATERIAL	Cement	Lime (CaO)	IS: 4032
18	CHEMICAL- BUILDING MATERIAL	Cement	Magnesia (MgO)	IS: 4032

SCOPE OF ACCREDITATION

Laboratory Name : GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 2 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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
19	CHEMICAL- BUILDING MATERIAL	Cement	Silica (SiO2)	IS: 4032
20	CHEMICAL- BUILDING MATERIAL	Cement	Sulphide Sulphur	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Concrete	Chlorides	IS 14959 (P-2)
22	CHEMICAL- BUILDING MATERIAL	Concrete	Sulphates	BS 1881 (P-124)
23	CHEMICAL- METALS & ALLOYS	Steel & Steel Alloys (Plain, Medium & High Carbon Steel)	Carbon	IS 228 (P-1)
24	CHEMICAL- METALS & ALLOYS	Steel & Steel Alloys (Plain, Medium & High Carbon Steel)	Manganese	IS 228 (P-2)
25	CHEMICAL- METALS & ALLOYS	Steel & Steel Alloys (Plain, Medium & High Carbon Steel)	Phosphorous	IS 228 (P-3)
26	CHEMICAL- METALS & ALLOYS	Steel & Steel Alloys (Plain, Medium & High Carbon Steel)	Silicon	IS 228 (P-8)
27	CHEMICAL- METALS & ALLOYS	Steel & Steel Alloys (Plain, Medium & High Carbon Steel)	Sulphur	IS 228 (P-9)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biochemical Oxygen Demand (BOD)	IS 3025 Part 44
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand (COD)	IS 3025 Part 58
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved oxygen	IS 3025 Part 38
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil & Grease	IS 3025 Part 39
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH value	IS 3025 Part 11
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total suspended solids (Non-filterable residue)	IS 3025 Part 17
34	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Alkalinity	APHA 2320 B
35	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Alkalinity	IS: 3025 (P-23)
36	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Calcium	IS: 3025 (P-40)
37	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Chloride	IS: 3025 (P-32)

SCOPE OF ACCREDITATION

Laboratory Name :	GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9512	**Page No**	3 of 15
Validity	10/05/2023 to 09/05/2025	**Last Amended on**	01/06/2023

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
38	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Colour	APHA -2120 B
39	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Colour	IS: 3025 (P-4)
40	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Fluoride	APHA 4500 D
41	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Fluoride	IS :3025 (P-60)
42	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Iron	APHA 3500 B
43	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Iron	IS: 3025 (P-53)
44	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Magnesium	APHA 3500 B
45	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Magnesium	IS: 3025 (P-46)
46	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Odour	APHA-2150
47	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Odour	IS: 3025 Part 5
48	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	pH Value	IS: 3025 (P-11)
49	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Residual Free Chlorine	APHA 4500 B
50	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Residual Free Chlorine	IS: 3025 (P-26)
51	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Silica	IS :3025 (P-35)
52	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Sulphate	APHA 4500 SO4 E
53	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Sulphate	IS 3025 : Part 24 : Sec 1
54	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Total Dissolved Solids	APHA 2540- C
55	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Total Dissolved Solids	IS: 3025 (P-16)
56	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Total Hardness	APHA-2340-C

SCOPE OF ACCREDITATION

Laboratory Name : GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 4 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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
57	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Total Hardness	IS: 3025 (P-21)
58	CHEMICAL- WATER	Water (Drinking Water, Water for Food, Water for Ice, Mineral Water)	Turbidity	IS: 3025 (P-10)
59	CHEMICAL- WATER	Water for construction purpose	Chloride	IS: 3025 (P-32)
60	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	IS: 3025 (P-18)
61	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS: 3025 (P-18)
62	CHEMICAL- WATER	Water for construction purpose	pH Value	IS: 3025 (P-11)
63	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO3	IS 3025 : Part 24 : Sec 1
64	CHEMICAL- WATER	Water for construction purpose	Total Suspended solids	IS: 3025 (P-17)
65	CHEMICAL- WATER	Water for construction purpose	Volume of 0.02N H2SO4 required to neutralize 100 ml sample of water using Mix Indicator	IS: 3025 (P-23)
66	CHEMICAL- WATER	Water for construction purpose	Volume of 0.02N NaOH required to neutralize 100 ml sample of water using Phenolpthalein	IS: 3025 (P-22)
67	MECHANICAL- BUILDINGS MATERIALS	Admixture	Bleeding % increase over control	IS 9103
68	MECHANICAL- BUILDINGS MATERIALS	Admixture	Compressive strength % of control sample	IS 516 (P-1, Sec 1)
69	MECHANICAL- BUILDINGS MATERIALS	Admixture	Flexural strength % of control sample	IS 516 (P-1, Sec 1)
70	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water Content % of control sample	IS 9103
71	MECHANICAL- BUILDINGS MATERIALS	Admixture	Length change increase over control sample	IS 516 Part 6
72	MECHANICAL- BUILDINGS MATERIALS	Admixture	Time of Setting, Allowable variation from control sample (Final)	IS 1199 (Part 7)
73	MECHANICAL- BUILDINGS MATERIALS	Admixture	Time of Setting, Allowable variation from control sample (Initial)	IS 1199 (Part 7)
74	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Blocks	Block Density	IS 6441 (Part-1)
75	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Blocks	Compressive strength	IS 6441 (Part-5)

SCOPE OF ACCREDITATION

Laboratory Name :	GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9512	**Page No**	5 of 15
Validity	10/05/2023 to 09/05/2025	**Last Amended on**	01/06/2023

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
76	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Blocks	Dimension (Length, width & Height)	IS 2185 (Part-3)
77	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Blocks	Drying Shrinkage	IS 6441 (Part-2)
78	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Blocks	Moisture	IS 6441 (Part-1)
79	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point (COC)	IS 1448 P-69
80	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25°C, 100 g, 5 s, 0.1 mm	IS 1203
81	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point (R&B) °C	IS 1205
82	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point (R&B) °C	IS 1205
83	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in TriChloroEthylene	IS 1216
84	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
85	MECHANICAL- BUILDINGS MATERIALS	Bitumen/modified bitumen	Viscosity ratio	IS 1206 (Part-2)
86	MECHANICAL- BUILDINGS MATERIALS	Bitumen/modified bitumen	absolute viscosity at 60 deg C	IS 1206 (Part-2)
87	MECHANICAL- BUILDINGS MATERIALS	Bitumen/modified bitumen	Ductility at 25 deg	IS 1208 (part 1)
88	MECHANICAL- BUILDINGS MATERIALS	Bitumen/modified bitumen	Kinematic viscosity at 135 deg C	IS 1206 (Part-3)
89	MECHANICAL- BUILDINGS MATERIALS	Bitumen/modified bitumen	Loss on heating	IS 1212
90	MECHANICAL- BUILDINGS MATERIALS	Bitumen/modified bitumen	Penetration ratio	IS 1203
91	MECHANICAL- BUILDINGS MATERIALS	Bitumen/modified bitumen	Water Content	IS 1211
92	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/Bituminous Macadam/Dense Bituminous Macadam	Asphalt Binder Content (Centrifuge Extraction Method)	ASTM D2172 / D2172M
93	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/Bituminous Macadam/Dense Bituminous Macadam	Flow	ASTM D6927
94	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/Bituminous Macadam/Dense Bituminous Macadam	Marshal Stability	ASTM D6927

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 6 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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
95	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay/Fly Ash)	Compressive strength	IS: 3495 (P-1)
96	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay/Fly Ash)	Dimension (Length)	IS: 1077
97	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay/Fly Ash)	Dimension (Thickness)	IS: 1077
98	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay/Fly Ash)	Dimension (Width)	IS: 1077
99	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay/Fly Ash)	Efflorescence	IS: 3495 (P-3)
100	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay/Fly Ash)	Water Absorption	IS: 3495 (P-2)
101	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimension (Length)	IS 12894
102	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimension (Thickness)	IS 12894
103	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimension (Width)	IS 12894
104	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS: 4031 (P-6)
105	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS: 4031 (P-11)
106	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving	IS 4031 (P-1)
107	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting Time (Final)	IS: 4031 (P-5)
108	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting Time (Initial)	IS: 4031 (P-5)
109	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness (Autoclave)	IS: 4031 (P-3)
110	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness (Le-chatelier)	IS: 4031 (P-3)
111	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS: 4031 (P-4)
112	MECHANICAL- BUILDINGS MATERIALS	Cement	Drying Shrinkage	IS 4031: Part 10
113	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine	IS: 4031 (P-2)

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9512	**Page No**	7 of 15
Validity	10/05/2023 to 09/05/2025	**Last Amended on**	01/06/2023

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114	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Straightness	IS:1237
115	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Length)	IS 1237
116	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Thickness)	IS 1237
117	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (width)	IS 1237
118	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Flatness	IS 1237
119	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Perpendicularity	IS:1237
120	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS:1237
121	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Water Absorption	IS 13801
122	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Dimension	IS 13801
123	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Flatness	IS 13801
124	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Perpendicularity	IS 13801
125	MECHANICAL- BUILDINGS MATERIALS	Chequered Tiles	Straightness	IS 13801
126	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Abrasion Value (Los Angeles)	IS: 2386 (P-4)
127	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS: 2386 (P-3)
128	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS: 2386 (P-1)
129	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS: 2386 (P-3)
130	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS: 2386 (P-3)
131	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS: 2386 (P-4)
132	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness (Na2SO4 & MgSO4)	IS: 2386 (P-5)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 8 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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
133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fine Value	IS: 2386 (P-4)
134	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Clay Lumps	IS 2386 (P-2)
135	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Coal & lignite	IS 2386 (P-2)
136	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Combined Flakiness & Elongation Index	IS 2386 (P-1)
137	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS: 2386 (P-1)
138	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS: 2386 (P-4)
139	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Material Finer Than 75µ IS Sieve	IS: 2386 (P-1)
140	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Organic Impurities	IS 2386 (P-2)
141	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis	IS: 2386 (P-1)
142	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Stripping Value	IS 6241
143	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516 : Part 1 : Sec 1
144	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength of Cubes/ Cores	IS: 516
145	MECHANICAL- BUILDINGS MATERIALS	Concrete Admixtures Cement and Concrete	Slump	IS 1199 (Part-2)
146	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 : Part 4
147	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS: 2386 (P-3)
148	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS: 2386 (P-3)
149	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS: 2386 (P-3)
150	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness (Na2SO4 & MgSO4)	IS 2386 (P-5)
151	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking of Sand	IS 2386 Part 3 Cl. 4

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 9 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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
152	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Clay Lumps	IS 2386 (P-2)
153	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Clay, silt and fine dust	IS 2386 Part 2
154	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Coal & lignite	IS 2386 (P-2)
155	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer Than 75µ IS Sieve	IS: 2386 (P-1)
156	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS 2386 (P-2)
157	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis	IS: 2386 (P-1)
158	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt Content	CPWD specification Vol. 1- Appendix C Cl. 3.1.3.2
159	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Surface Moisture	IS 2386 Part 3
160	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Bend Test (Mandrel Dia.: 8 mm, 10mm, 12 mm, 15 mm, 16 mm ,18 mm, 20 mm, 24 mm, 25 mm, 28 mm, 30 mm, 32 mm, 35 mm, 36mm, 40 mm, 42 mm, 48 mm, 50 mm, 56 mm, 60 mm, 64 mm, 70 mm, 72 mm, 75 mm, 80 mm, 84 mm, 96 mm, 100 mm, 108 mm, 112 mm, 120 mm, 125 mm, 128 mm, 140 mm, 144mm, 150mm, 160mm, 168 mm, 175 mm, 180mm, 192 mm, 196 mm, 200 mm, 216 mm, 224 mm, 252 mm, 256 mm, 288 mm)	IS 1599
161	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Deformation & Surface Characteristics (Mean Projected area of Transverse Ribs)	IS 1786
162	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Deformation & Surface Characteristics (Mean Projected Rib Area)	IS 1786
163	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Elongation at break	IS 1608 Part 1

SCOPE OF ACCREDITATION

Laboratory Name : GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 10 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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
164	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Elongation at Maximum Force	IS 1608 Part 1
165	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Freedom from defects	IS 1786
166	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Mass per Meter Run	IS 1786
167	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Nominal Cross-Sectional Area	IS 1786
168	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Nominal Size	IS 1786
169	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Pull out test - Bond Stress	IS 2770 (P-1)
170	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Rebend Test	IS 1786
171	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Tensile Strength	IS 1608 Part 1
172	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Yield Stress/0.2% Proof Stress	IS 1608 Part 1
173	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion resistance	IS 15658
174	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Arris/Chamfer	IS 15658
175	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Aspect ratio	IS 15658
176	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS: 15658
177	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Deviation from squareness	IS 15658
178	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Length, Width & Thickness)	IS: 15658
179	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS 15658
180	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Observation for No of Layers, proper bonding & delamination	IS 15658
181	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Plan Area	IS 15658
182	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Tensile splitting strength	IS 15658

SCOPE OF ACCREDITATION

Laboratory Name : GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 11 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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
183	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Thickness of Wearing Layer	IS 15658
184	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS: 15658
185	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Wearing Face area	IS 15658
186	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Compressive Strength	IS 3495 : Part 1
187	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Density	IS 2185 :Part 1
188	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Dimension - Frog Radius	IS 16720
189	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Dimension - Frog Width	IS 16720
190	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Dimension - Height	IS 16720
191	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Dimension - Length	IS 16720
192	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Dimension-Frog depth	IS 16720
193	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Dimension-Frog Length	IS 16720
194	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Dimension-Width	IS 16720
195	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Drying Shrinkage	IS 4139
196	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Freedom from Defect	IS 16720
197	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Cement Bricks	Water Absorption	IS 3495 : Part 2
198	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Resistance to Acid	IS 13630 (P-7)
199	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Resistance to Alkalies	IS 13630 (P-7)
200	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Resistance to House hold Chemicals	IS 13630 (P-7)
201	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Resistance to Pool Salts	IS 13630 (P-7)

SCOPE OF ACCREDITATION

Laboratory Name :	GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9512	**Page No**	12 of 15
Validity	10/05/2023 to 09/05/2025	**Last Amended on**	01/06/2023

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
202	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals (Ferrous & Non Ferrous)	Yield Stress	IS-1608 (P-1)
203	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals (Ferrous & Non Ferrous)	0.2% Proof Stress	IS 1608 Part 1
204	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals (Ferrous & Non Ferrous)	Elongation after Fracture	IS-1608 (P-1)
205	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals (Ferrous & Non Ferrous)	Ultimate Tensile Strength	IS-1608 (P-1)
206	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals (Ferrous & Non Ferrous) (Steel plates, Round bars, Square Bar, structural steel, Wrought aluminium and aluminium alloy sheet and strip for general engineering purposes, Copper & Brass sheet and strips)	Bend Test (Mandrel Dia.: 8 mm, 10mm, 12 mm, 15 mm, 16 mm ,18 mm, 20 mm, 24 mm, 25 mm, 28 mm, 30 mm, 32 mm, 35 mm, 36mm, 40 mm, 42 mm, 48 mm, 50 mm, 56 mm, 60 mm, 64 mm, 70 mm, 72 mm, 75 mm, 80 mm, 84 mm, 96 mm, 100 mm, 108 mm, 112 mm, 120 mm, 125 mm, 128 mm, 140 mm, 144mm, 150mm, 160mm, 168 mm, 175 mm, 180mm, 192 mm, 196 mm, 200 mm, 216 mm, 224 mm, 252 mm, 256 mm, 288 mm)	IS-1599
207	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Compressive Strength	IS 1121 Part 1
208	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Specific Gravity	IS 1124
209	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS 1124
210	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030 (Cl. 6)
211	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
212	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030 (Cl. 6)
213	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143

SCOPE OF ACCREDITATION

Laboratory Name : GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 13 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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
214	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030 (Cl. 4)
215	MECHANICAL- SOIL AND ROCK	Soil	CBR Test	IS: 2720 (P-16)
216	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test C-Value (UU)	IS 2720 (P-13)
217	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test Ø Value (UU)	IS 2720 (P-13)
218	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis Dry Sieving (4.75 mm to 100 mm)	IS:2720 (P - 4)
219	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS: 2720 (P-8)
220	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS: 2720 (P-5)
221	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial Test C Value (UU)	IS 2720 (P-11)
222	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial Test Ø Value (UU)	IS 2720 (P-11)
223	MECHANICAL- SOIL AND ROCK	Soil	Coefficient of consolidation (Cv)	IS 2720 (P-15)
224	MECHANICAL- SOIL AND ROCK	Soil	Compression index (Cc)	IS 2720 (P-15)
225	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density by core cutter method	IS 2720 (P-29)
226	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density by sand replacement method	IS 2720 (P-28)
227	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (P-40)
228	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Hydrometer Method)	IS 2720 (P-4) (Cl. 5.2)
229	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis Wet Sieving (75 Micron to 4.75 mm)	IS:2720 (P - 4)
230	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS: 2720 (P-8)
231	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS: 2720 (P-7)
232	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS: 2720 (P-7)

SCOPE OF ACCREDITATION

Laboratory Name : GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 14 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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
233	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS: 2720 (P-5)
234	MECHANICAL- SOIL AND ROCK	Soil	moisture content by rapid moisture meter	IS 2720 (P-2)
235	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (P-6)
236	MECHANICAL- SOIL AND ROCK	Soil	Soil Permeability	IS 2720 (P-17)
237	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (P-3, S-1)
238	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (P-10)
239	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (P-2)
240	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structures	Rebound Hammer Test	IS 516 Part 5 Sec 4
241	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structures	Ultrasonic Pulse Velocity Testing	IS 516 Part 5 Sec 1

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEOTECH INTERNATIONAL ANALYTICAL LAB PRIVATE LIMITED, 6-B, EPIP, 2ND ROTARY, BARI BRAHMANA, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9512 **Page No** 15 of 15

Validity 10/05/2023 to 09/05/2025 **Last Amended on** 01/06/2023

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	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structures	Rebound Hammer Test	IS 516 Part 5 Sec 4
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structures	Ultrasonic Pulse Velocity Testing	IS 516 Part 5 Sec 1