National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEO INFRA TESTING & CONSULTANCY SERVICES, DHANDHA, HIMATNAGAR, SABAR KANTHA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/03/2023 to 15/03/2025 **Last Amended on** -

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	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss of Heating	IS 1212
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D2172-e1
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density (Compacted Mix)	ASTM D2726
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow Test	ASTM D6927
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
12	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension: Height	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension: Length	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension: Width	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Consistency	IS 4031 (Part 4)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final setting time	IS 4031 (Part 5)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by blaine air permeability	IS 4031 (Part 2)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial setting time	IS 4031 (Part 5)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-chatelier methods	IS 4031 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate impact value	IS 2386 (Part 4)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los angeles abration value	IS 2386 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (2.36 mm to 80 mm) / Gradation	IS 2386 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Specific Gravity	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Ten percent fines Value	IS 2386 (Part 4)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Stripping Value	IS 6241
36	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Water Absorption	IS 15658
37	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural strength	IS 516

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38	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Compressive Strength	IS 15658
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 Micron	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis/Gradation (0.150mmto 10 mm)	IS 2386 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
43	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
44	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516
45	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Density	IS 516 (Part 2) (Sec 1)
46	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles / Ceramic Tiles	Abrasion Value	IS 13630 (Part 11)
47	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles / Ceramic Tiles	Breaking Strength	IS 13630 (Part 6)
48	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles / Ceramic Tiles	Dimension - Length	IS 13630 (Part 1)
49	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles / Ceramic Tiles	Dimension - Thickness	IS 13630 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles / Ceramic Tiles	Modulus of Rupture	IS 13630 (Part 6)
51	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles / Ceramic Tiles	Rectangularity	IS 13630 (Part 1)
52	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles / Ceramic Tiles	Scratch Hardness	IS 13630 (Part 13)
53	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles / Ceramic Tiles	Straightness	IS 13630 (Part 1)
54	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles / Ceramic Tiles	Surface Flatness	IS 13630 (Part 1)
55	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles / Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
56	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles /Ceramic Tiles	Surface Quality	IS 15622

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57	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles/ Ceramic Tiles	Dimension - Width	IS 13630 (Part 1)
58	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Bend	IS 1599
59	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation	IS 1608 (Part 1)
60	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Tensile strength	IS 1608 (Part 1)
61	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Weight per meter	IS 1786
62	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress	IS 1608 (Part 1)
63	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
64	MECHANICAL- SOIL AND ROCK	Soil	Consolidation test	IS 2720 (Part 15)
65	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Angle)	IS 2720 (Part 13)
66	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Cohesion)	IS 2720 (Part 13)
67	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
68	MECHANICAL- SOIL AND ROCK	Soil	Gradation [Grain size analysis) (0.063 / 0.075 to 125.0 mm)]	IS 2720 (Part 4)
69	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction:MDD	IS 2720 (Part 8)
70	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction:OMC	IS 2720 (Part 8)
71	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: MDD	IS 2720 (Part 7)
72	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: OMC	IS 2720 (Part 7)
73	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
74	MECHANICAL- SOIL AND ROCK	Soil	Permeability test:Falling head and constant head	IS 2720 (Part 17)
75	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)

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76	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
77	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3), Section 1 and 2
78	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
79	MECHANICAL- SOIL AND ROCK	Soil	Tri axial shear test (Angle of Internal Friction)	IS 2720 (Part 11)
80	MECHANICAL- SOIL AND ROCK	Soil	Tri axial shear test (Cohesion)	IS 2720 (Part 11)
81	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part 10)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Density (Sand replacement)	IS 2720 (Part 28)
2	MECHANICAL- SOIL AND ROCK	Soil	Dry Density by Core Cutter Method	IS 2720 (Part 29)
3	MECHANICAL- SOIL AND ROCK	Soil	Standard sand penetration	IS 2131
4	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Rapid Moisture Meter Method	IS 2720 (Part 2)