National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SURABHI GEO TECH SOLUTION, 4, SHANTI SHILP 2, G.F.OFFICE/ BASEMENT, TAKHTESHWAR PLOTS, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 07/04/2022 to 06/04/2024 **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	Autoclaved Aerated Concrete Blocks	Bulk Density	IS 6441 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Compressive Strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Dimension (Height)	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Dimension (Length)	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Dimension (Width)	IS 2185 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Drying Shrinkage	IS 6441 (Part 2)
7	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Moisture Content	IS 6441 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix/ Core	Bitumen Content (Centrifuge)	ASTM D2172
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix/ Core	Density of Mix	ASTM D2726
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix/ Core	Marshal Flow	ASTM D6927
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix/ Core	Marshal Stability	ASTM D6927

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19	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix/ Core	Theoretical Maximum Specific Gravity	ASTM D2041
20	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 1077
22	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 1077
23	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 1077
24	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
26	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Consistency	IS 4031 (Part 4)
27	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Final Setting Time	IS 4031 (Part 5)
28	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Fineness by Blaine Air Permeability	IS 4031 (Part 2)
29	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Fineness by Dry Sieving	IS 4031(Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Initial Setting Time	IS 4031 (Part 5)
31	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Compressive Strength	IS 4031 (Part 6)
32	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Soundness Le-Chatelier Method	IS 4031 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10 % Fines Value	IS 2386 (Part 4)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Abrasion Value - Los Angeles	IS 2386 (Part 4)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)

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38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (80 mm to 4.75 mm)	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by Na2SO4 and MgSO4	IS 2386 (Part 5)
44	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 micron	IS 2386 (Part 1)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
49	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (150 Micron to 10 mm)	IS 2386 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Residue on 45 Micron	IS 1727
51	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
52	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Cubes	IS 516 (Part 1, Section 1)
53	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Apparent Specific Gravity	IS 1124
54	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Compressive Strength	IS 1121 (Part 1)
55	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	True Specific Gravity	IS 1122
56	MECHANICAL- BUILDINGS MATERIALS	Natural Building Stone	Water Absorption	IS 1124

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57	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
58	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
59	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
60	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1124
61	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
62	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
63	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (aV)	IS 2720 (Part 15)
64	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (cV)	IS 2720 (Part 15)
65	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
66	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
67	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
68	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
69	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
70	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
71	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
72	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit (Casagrande)	IS 2720 (Part 5)
73	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
74	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
75	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)

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76	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Friction)	IS 2720 (Part 13)
77	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
78	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (U.U- Angle)	IS 2720 (Part 11)
79	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (U.U.)	IS 2720 (Part 11)
80	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil by Core Cutter Method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil by Sand Replacement Method	IS 2720 (Part 28)