National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MANGLAM GEOTECH SERVICES, H.NO. A-1/18, SHARADHDHA CO. OP. HOUSING SOCIETY LTD., SUMUL DAIRY ROAD, KATARGAM, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8677 **Page No** 1 of 4

Validity 10/12/2022 to 10/10/2023 **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	Penetration	IS 1203
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Binder Content	ASTM D 2172
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Density	ASTM D 2041
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshall Flow	ASTM D 6927
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshall Stability	ASTM D 6927
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay / Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay / Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay / Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
14	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions - Height	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions - Length	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions - Width	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value - Los Angeles	IS 2386 (Part 4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm - 125 mm)	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
26	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75 Micron	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.15 mm - 10 mm)	IS 2386 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimensions - Height	IS 12894
32	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimensions - Length	IS 12894
33	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimensions - Width	IS 12894
34	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC	Compressive Strength	IS 4031 (Part 6)
35	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC	Density	IS 4031 (Part 11)
36	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC	Final Setting Time	IS 4031 (Part 5)
37	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC	Fineness by Blaine's Air Permeability	IS 4031 (Part 2)

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38	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC	Initial Setting Time	IS 4031 (Part 5)
39	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	OPC / PPC	Standard Consistency	IS 4031 (Part 4)
41	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS: 15658
42	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absoprtion	IS: 15658
43	MECHANICAL- BUILDINGS MATERIALS	Steel	Bend Test	IS 1599
44	MECHANICAL- BUILDINGS MATERIALS	Steel	Elongation	IS 1608 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Steel	Mass per Meter	IS 1786
46	MECHANICAL- BUILDINGS MATERIALS	Steel	Tensile Strength	IS 1608 (Part 1)
47	MECHANICAL- BUILDINGS MATERIALS	Steel	Yield Stress	IS 1608 (Part 1)
48	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ration (CBR)	IS 2720 (Part-16)
49	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - CC	IS 2720 (Part 15)
50	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - PC	IS 2720 (Part 15)
51	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Angle of Internal Friction	IS 2720 (Part 13)
52	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS 2720 (Part 13)
53	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
54	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - MDD	IS 2720 (Part-8)
55	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - OMC	IS 2720 (Part-8)
56	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - MDD	IS 2720 (Part-7)

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57	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - OMC	IS 2720 (Part-7)
58	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
59	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
60	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis (0.075-4.75 mm)	IS 2720 (Part-4)
61	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3)
62	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear - Angle of Internal Friction	IS: 2720 (P 11&12)
63	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear - Cohesion	IS 2720 (P-11&12)