National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MANGLAM GEOTECH SERVICES, SHED D-2/ 4,5,6, NVI HOUSE, TIVIM INDUSTRIAL ESTATE, MAPUSA, GOA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8879 **Page No** 1 of 4

Validity 17/11/2022 to 16/11/2024 **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	Bitumen	Absolute Viscocity	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	IRC SP11 Appendix 5 clause C : 1984, ASTM D 2172
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Density	ASTM D 2726
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	Bricks	Compressive Strength	IS 3495 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	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	Cement (OPC / PPC)	Compressive Strength	IS 4031 (Part 6)
18	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Density	IS 4031 (Part 11)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Final Setting Time	IS 4031 (Part 5)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Fineness by Blaine's Air Permeability	IS 4031 (Part 2)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Initial Setting Time	IS 4031 (Part 5)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Standard Consistency	IS 4031 (Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value - Los Angeles	IS 2386 (Part 4)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS:2386 (Part 4)
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	Impact Value	IS 2386 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm to 90mm)	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength - Cube	IS 516
34	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516
35	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump Test	IS:1199 (part -2)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS:2386(Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 Micron	IS 2386 (Part 1)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.15mm to 10mm)	IS 2386 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimensions - Height	IS 12894
42	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimensions - Length	IS 12894
43	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimensions - Width	IS 12894
44	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Bend Test	IS 1599
45	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Elongation	IS 1608 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Mass per Meter	IS 1786
47	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Re-bend Test	IS:1786
48	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Tensile Strength	IS 1608 (Part 1)
49	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Yield Stress	IS 1608 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Compressive Strength	IS: 15658
51	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Blocks	Water Absorption	IS: 15658
52	MECHANICAL- SOIL AND ROCK	Rock	Density	IS: 13030
53	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS: 13030
54	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS:1124
55	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS:9143
56	MECHANICAL- SOIL AND ROCK	Rock	Water content	IS:13030

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57	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part-16)
58	MECHANICAL- SOIL AND ROCK	Soil	Consolidation (Cc)	IS 2720 (Part 15)
59	MECHANICAL- SOIL AND ROCK	Soil	Consolidation (Pc)	IS 2720 (Part 15)
60	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) - Cohesion	IS 2720 (Part 13)
61	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) - Phi	IS 2720 (Part 13)
62	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
63	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075 mm – 4.75 mm)	IS 2720 (Part-4)
64	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS:2720 (Part 8)
65	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS:2720 (Part 8)
66	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - MDD	IS 2720 (Part-7)
67	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - OMC	IS 2720 (Part-7)
68	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
69	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
70	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3/Sec-1)
71	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear - Cohesion	IS: 2720 (P 11)
72	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear - ø	IS: 2720 (P 11)