National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MANGLAM CONSULTANCY SERVICES, PLOT NO. 44, SANDHPORE PARDI, VALSAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6853 **Page No** 1 of 4

Validity 26/12/2021 to 25/12/2023 **Last Amended on** 23/02/2022

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	Aggregate (Coarse)	Bulk Density	IS:2386 (Part 3)
2	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Crushing Value	IS:2386 (Part 4)
3	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Elongation Index	IS:2386 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Flakiness Index	IS:2386 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Impact Value	IS:2386 (Part 4)
6	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Los Angeles Abrasion Value	IS:2386 (Part 4)
7	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Sieve analysis (4.75 mm to 90 mm)	IS 2386 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Specific Gravity	IS:2386 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Water Absorption	IS:2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density	IS:2386 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Sieve analysis (0.15 mm to 10 mm)	IS 2386 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Specific Gravity	IS:2386 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Water Absorption	IS:2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Bick	Efflorescence	IS:3495 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	I.S 1206 (Part-2)
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	I.S 1208
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematics Viscosity	IS: 1206 (Part-3)
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203

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19	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	I.S 1205
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	I.S 1202
21	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Binder Content	IRC SP 11 Appendix 5 Clause C
22	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Density	ASTM D 2041
23	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Flow Test	ASTM D 6927
24	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshal Stability	ASTM D 6927
25	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS:3495
26	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension (Length)	IS : 1077
27	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS:3495(Part 2)
28	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
29	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
30	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS:516
31	MECHANICAL- BUILDINGS MATERIALS	Concrete Pavers Blocks	Compressive Strength	IS:15658
32	MECHANICAL- BUILDINGS MATERIALS	Concrete Pavers Blocks	Water Absorption	IS:15658
33	MECHANICAL- BUILDINGS MATERIALS	Flexural Mould	Flexural Strength	IS:516
34	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS:1199-2
35	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Compressive Strength	IS:4031(Part 6)
36	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Consistency	IS:4031 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Final Setting Time	IS:4031(Part 5)

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38	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Fineness by Blain's Method	IS:4031(Part 2)
39	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Initial Setting Time	IS : 4031 (Part 5)
40	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Soundness by Le-Chatilier method	IS:4031 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Specific Gravity Of Cement	IS: 4031 (P 10)
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcement	Bend Test	IS 1599
43	MECHANICAL- BUILDINGS MATERIALS	Reinforcement	Elongation	IS 1608 Part-1
44	MECHANICAL- BUILDINGS MATERIALS	Reinforcement	Mass per meter	IS:1786
45	MECHANICAL- BUILDINGS MATERIALS	Reinforcement	Re-bend Test	IS: 1786
46	MECHANICAL- BUILDINGS MATERIALS	Reinforcement	Tensile Strength	IS:1608 Part-1
47	MECHANICAL- BUILDINGS MATERIALS	Reinforcement	Yield Stress	IS:1608 Part-1
48	MECHANICAL- SOIL AND ROCK	Clay	Hydrometer Analysis Material Passing through 75 micron	IS 2720 (Part 4)
49	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (Soaked)	IS:2720 (Part 16)
50	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (UnSoaked)	IS: 2720 (Part-16)
51	MECHANICAL- SOIL AND ROCK	Soil	Consolidation (Cc)	IS 2720 (Part 5)
52	MECHANICAL- SOIL AND ROCK	Soil	Consolidation (Pc)	IS 2720 (Part 5)
53	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Internal Friction)	IS 2720 (Part 13)
54	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
55	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS: 2720 (Part 40)
56	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Sieve Size: 0.075 mm to 4.75 mm)	IS 2720 (Part 4)

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57	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (P 8)
58	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (P 8)
59	MECHANICAL- SOIL AND ROCK	soil	Light compaction (MDD)	IS 2720 (P7)
60	MECHANICAL- SOIL AND ROCK	SOIL	Light Compaction (OMC)	IS 2720 (P 7)
61	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (P 5)
62	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS: 2720 (Part 5)
63	MECHANICAL- SOIL AND ROCK	soil	Shrinkage Limit	IS: 2720 (Part 6)
64	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS: 2720 (Part 3/Section 2)
65	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear (UU)	IS 2720 (P 11)
66	MECHANICAL- SOIL AND ROCK	soil	Triaxial Shear (UU)	IS 2720 (Part 11)