National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MANGLAM CONSULTANCY SERVICES, 6- GOPAL PATEL ESTATE, C.T.M. CROSS ROAD, JASHODANAGAR ROAD, AMARAIWADI, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/07/2022 to 11/07/2024 **Last Amended on** 04/11/2022

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	Bitumen	Absolute Viscosity at 60°c	IS 1206 (Part 2)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1202
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity at 135	IS 1206 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25°c	IS 1203
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D2726
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D6927
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous. Mix	Binder Content	IRC SP 11
11	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive strength	IS 4031 (Part 6)
12	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
13	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Blaine's Air Permeability Method	IS 4031 (Part 2)
14	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by dry sieving	IS 4031 (Part 1)
15	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial setting time	IS 4031 (Part 5)
16	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-chatelier method	IS 4031 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4)
18	MECHANICAL- BUILDINGS MATERIALS	Clay/Fly ash brick	Compressive Strength	IS 3495 ((Part 1)

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19	MECHANICAL- BUILDINGS MATERIALS	Clay/Fly ash brick	Dimension - Height	IS 1077
20	MECHANICAL- BUILDINGS MATERIALS	Clay/Fly ash brick	Dimension - Length	IS 1077
21	MECHANICAL- BUILDINGS MATERIALS	Clay/Fly ash brick	Dimension - Width	IS 1077
22	MECHANICAL- BUILDINGS MATERIALS	Clay/Fly ash brick	Efflorescence	IS 3495 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Clay/Fly ash brick	Water absorption	IS 3495 (Part 2)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Compacted Bulk Density	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loose Bulk Density	IS 2386 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 to 125 mm)	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	Coarse ggregate	Flakiness Index	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive strength	IS 516 P1
35	MECHANICAL- BUILDINGS MATERIALS	Concrete paver block	Compressive strength	IS 15658
36	MECHANICAL- BUILDINGS MATERIALS	Concrete paver block	Water absorption	IS 15658
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 P 3

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75 micron	IS 2386 P 1
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 to 10 mm)	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Water absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation	IS 1608- part 1
43	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Mass per meter	IS 1786
44	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Ultimate tensile strength	IS 1608- part 1
45	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield stress	IS 1608- part 1
46	MECHANICAL- SOIL AND ROCK	Soil	California Bearing ratio	IS 2720 (Part 16)
47	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Angle of Shearing Resistance	IS 2720 (Part 13)
48	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS 2720 (Part 13)
49	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
50	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
51	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075 to 4.75 mm)	IS 2720 (Part 4)
52	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
53	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
54	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 (Part 4)
55	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (M.D.D)	IS 2720 (Part 7)
56	MECHANICAL- SOIL AND ROCK	Soil	Light compaction (O.M.C)	IS 2720 (Part 7)

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57	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Cone Penetrometer	IS 2720 (Part 5)
58	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
59	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
60	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis	IS 2720 (Part 4)
61	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 Sec.1)
62	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
63	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Angle of Shearing Resistance	IS 2720 (Part 11)
64	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Cohesion	IS 2720 (Part 11)
65	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)