National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MANGLAM CONSULTANCY SERVICES, 151/1/AB, G.I.D.C., PHASE II, BHARUCH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7908 **Page No** 1 of 4

Validity 26/09/2021 to 25/09/2023 **Last Amended on** 17/11/2021

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	Abrasion Value-Los Angeles	IS 2386 (Part 4)
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	Sieve Analysis	IS 2386 (Part 1)
7	MECHANICAL- BUILDINGS MATERIALS	Aggregate-Coarse	Specific Gravity	IS 2386 (Part 3)
8	MECHANICAL- BUILDINGS MATERIALS	Aggregate-Coarse	Water Absorption	IS 2386 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Aggregate-Fine	Material Finer than 75 Micron	IS 2386 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Aggregate-Fine	Sieve Analysis	IS 2386 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Aggregate-Fine	Specific Gravity	IS 2386 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Aggregate-Fine	Water Absorption	IS 2386 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematics Viscosity	IS 1206 (Part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202

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19	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP-11 Appendix 5 Clause C
20	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D 2726
21	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D 6927
22	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927
23	MECHANICAL- BUILDINGS MATERIALS	Brick (Burnt Clay)	Dimensions-Burnt Clay Bricks (Length)	IS 1077 (Clause 6.2)
24	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay)	Compressive Strength	IS 3495 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay)	Dimensions-Burnt Clay Bricks (Width)	IS 1077 (Clause 6.2)
26	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay)	Dimensions-Burnt Clay Bricks (Height)	IS 1077 (Clause 6.2)
27	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay)	Efflorescence	IS 3495 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay)	Water Absorption	IS 3495 (Part 2)
29	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimension - Fly Ash Bricks (Height)	IS 12894
30	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimension - Fly Ash Bricks (Width)	IS 12894
31	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimensions-Fly Ash Bricks (Length)	IS 12894
32	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Compressive Strength	IS 4031 (Part 6)
33	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Density	IS 4031 (Part 11)
34	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Fineness by Blaine's Air Permeability	IS 4031 (Part 2)
35	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Initial Setting Time	IS 4031 (Part 5)
36	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC /PPC)	Final Setting Time	IS 4031 (Part 5)

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38	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC /PPC)	Standard Consistency	IS 4031 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength - Cube	IS 516
40	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516
41	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Bend Test	IS 1599
42	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Elongation	IS 1608 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Mass per Meter	IS 1786
44	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Tensile Strength	IS 1608 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Yield Stress	IS 1608 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Compressive Strength	IS: 15658 Annex D
47	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Water Absorption	IS: 15658 Annex C
48	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	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 (Undrained)	IS 2720 (Part 13)
52	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) C	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 (Wet Analysis)	IS 2720 (Part-4)
61	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3/Sec-1)