National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MANGLAM CONSULTANCY SERVICES, SURVEY NO. 1730, ANAND-SOJITRA ROAD, KARAMSAD, ANAND, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8636 **Page No** 1 of 4

Validity 28/08/2022 to 27/08/2024 **Last Amended on** 28/10/2022

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	Bituminous Mix	Binder Content	IRC SP 11 (Appendix 5, Clause C)
2	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D2726
3	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D6927
4	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927
5	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Compressive Strength	IS 3495 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Height	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Height	IS 12894
8	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Length	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Length	IS 12894
10	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Width	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Width	IS 12894
12	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Efflorescence	IS 3495 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Water Absorption	IS 3495 (Part 2)
14	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
15	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
16	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Blaine's Air Permeability	IS 4031 (Part 2)
17	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
18	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier Method	IS 4031 (Part 3)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value by Los Angeles	IS 2386 (Part 4, Clause 5.2)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4, Clause 2)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1, Clause 5)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1, Clause 4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4, Clause 4)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 90 mm)	IS 2386 (Part 1, Clause 2)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3, Clause 2)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3, Clause 2)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 micron	IS 2386 (Part 1, Clause 3)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 mm to 10 mm)	IS 2386 (Part 1, Clause 2)
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3, Clause 2)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water absorption	IS 2386 (Part 3, Clause 2)
32	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete - Beam	Flexural Strength	IS 516
33	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete - Cube	Compressive Strength	IS 516
34	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Absolute Viscosity at 60 °C	IS 1206 (Part 2)
35	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Ductility at 25 °C	IS 1208
36	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Kinematic Viscosity at 135 °C	IS 1206 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Penetration at 25 °C	IS 1203

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38	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Softening Point	IS 1205
39	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Specific Gravity	IS 1202
40	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Compressive Strength	IS 15658 (Annexure D)
41	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Water Absorption	IS 15658 (Annexure C)
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	0.2 % Proof Stress	IS 1608 (Part-1)
43	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	Bend	IS 1599
44	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	Elongation	IS 1608 (Part-1)
45	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	Mass per meter	IS 1786
46	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	Rebend	IS 1786
47	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	Tensile Strength	IS 1608 (Part-1)
48	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bar	Yield Stress	IS 1608 (Part-1)
49	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
50	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Pre Consolidation Pressure, Pc	IS 2720 (Part 15)
51	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Compression Index, Cc	IS 2720 (Part 15)
52	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) - Angle of Shearing Resistance	Is 2720 (Part 13)
53	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) - Cohesion	IS 2720 (Part 13)
54	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
55	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis: Wet Analysis (0.075 to 4.75 mm)	IS 2720 (Part 4)
56	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8)

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57	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction: Maximum Dry Density	IS 2720 (Part 8)
58	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Maximum Dry Density	IS 2720 (Part 7)
59	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Optimum Moisture Content	IS 2720 (Part 7)
60	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
61	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
62	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
63	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 1)