National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MANGLAM CONSULTANCY SERVICES, UDAIPUR, G-1/335, MEWAR INDUSTRIAL AREA, ROAD NO.12, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 04/01/2021 to 03/01/2023 **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 Viscosity	IS 1206 (Part-2)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematics 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	Bituminous Mix	Binder Content	IRC SP 11
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D 2726 - 17
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D 6927 - 15
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927 - 15
11	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay/ Fly ash)	Compressive Strength	IS 3495 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt/ Fly ash)	Dimensions - Fly Ash Bricks - Height	IS 13757
13	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt/ Fly ash)	Dimensions - Fly Ash Bricks - Length	IS13757
14	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt clay/ Fly ash)	Water Absorption	IS 3495 (Part 2)
15	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt/ Fly ash)	Dimensions - Fly Ash Bricks - Width	IS 13757
16	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt/ Fly ash)	Dimensions - Burnt clay Bricks - Height	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt/ Fly ash)	Dimensions - Burnt Clay Bricks - Length	IS 1077
18	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt/ Fly ash)	Dimensions - Burnt Clay Bricks - Width	IS 1077

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19	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt/ Fly ash)	Efflorescence	IS 3495 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS:2386 (P 4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS:2386 (P 4)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS:2386 (P 4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve analysis of Coarse Aggregate 90.0 mm-4.75mm	IS:2386 (P 1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2So4	IS:2386 (P 5)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS:2386 (P 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516
31	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength	IS 516
32	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Dimensions - Length	IS:15658
33	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Dimensions - Width	IS:15658
34	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Compressive Strength	IS 15658
35	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Dimensions - Thickness	IS:15658
36	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Water Absorption	IS:15658
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS:2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 Micron	IS 2386 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Compressive Strength	IS 4031 (Part 6)
43	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Final Setting Time	IS 4031 (Part 5)
44	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Fineness by Blaine's Air Permeability	IS 4031 (Part 2)
45	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Initial Setting Time	IS 4031 (Part 5)
46	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Standard Consistency	IS 4031 (Part 4)
48	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Bend Test	IS 1599
49	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Elongation	IS 1608 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Mass per Meter	IS 1786
51	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Tensile Strength	IS 1608 (Part 1)
52	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Yield Stress	IS 1608 (Part 1)
53	MECHANICAL- SOIL AND ROCK	Rock	Density	IS: 13030
54	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS: 13030
55	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1124
56	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143

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57	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 1124
58	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
59	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part-16)
60	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Cc	IS 2720 (Part 15)
61	MECHANICAL- SOIL AND ROCK	Soil	Consolidation- Pc	IS 2720 (Part 15)
62	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion (C)	IS 2720 (Part 13)
63	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Internal Frictional angle (ø)	IS 2720 (Part 13)
64	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
65	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075 mm – 4.75 mm)	IS 2720 (Part-4)
66	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - MDD	IS 2720 (Part-8)
67	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - OMC	IS 2720 (Part-8)
68	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - MDD	IS 2720 (Part-7)
69	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - OMC	IS 2720 (Part-7)
70	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
71	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS: 2720 (Part 2)
72	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
73	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS: 2720 (Part 6)
74	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3 / Sec-1)
75	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS: 2720 (Part 41)

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76	MECHANICAL- SOIL AND ROCK	Soil	Triaxial - Cohesion (C)	IS: 2720 (P 11)
77	MECHANICAL- SOIL AND ROCK	Soil	Triaxial - Internal Frictional Angle (Ø)	IS: 2720 (P 11)