National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SHREE SOIL & MATERIAL TESTING LABORATORY, SITARAM PARK, PL-244, MOTA MAVA, KALAWAD ROAD,, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10344 **Page No** 1 of 5

Validity 21/02/2022 to 20/02/2024 **Last Amended on** 03/06/2023

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	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity (RC/SC)	IS 2386 (Part 7)
2	CHEMICAL- BUILDING MATERIAL	Fine aggregate	Alkali Aggregate Reactivity (RC/SC)	IS 2386 (Part 7)
3	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 (Part 32)
4	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)
5	CHEMICAL- WATER	Water for construction purpose	Sulphates	IS 3025 (Part 24)
6	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Compressive Strength	IS 6441 (Part 5)
7	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Density	IS 6441 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Dimension (Height)	IS 2185 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Dimension (Length)	IS 2185 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Dimension (width)	IS 2185 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Moisture Content	IS 6441 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on heating	IS 1208
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
19	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Binder Content	ASTM D 2172

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20	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Flow Value	ASTM D6927
21	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshall Stability	ASTM D 6927
22	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks & Fly Ash Bricks	Compressive strength	IS 3495 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks & Fly Ash Bricks	Dimension (Height)	IS 1077
24	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks & Fly Ash Bricks	Dimension (Length)	IS 1077
25	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks & Fly Ash Bricks	Dimension (Width)	IS 1077
26	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks & Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks & Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
28	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS 4031 (Part 6)
29	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
31	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
32	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine air permeability Method	IS 4031 (Part 2)
33	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
35	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness with Le-Chatelier method	IS 4031 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % fine value	IS 2386 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)

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39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (75mm to 125 mm)	IS 2386 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness Test (Na2So4 & MgSo4)	IS 2386 (Part 5)
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water absorption	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Concrete Mix	Slump	IS 1199
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
49	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75micron	IS 2386 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (75 micron to 4.75 mm)	IS 2386 (Part 1)
51	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS 2386 (Part 2)
52	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness Test (Na2So4 & MgSo4)	IS 2386 (Part 5)
53	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
54	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
55	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Cube Compressive Strength Core Compressive Strength	IS 516
56	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive strength	IS 15658
57	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658

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58	MECHANICAL- BUILDINGS MATERIALS	Steel (Reinforcing and Structural Steel)	Bend Test	IS 1599
59	MECHANICAL- BUILDINGS MATERIALS	Steel (Reinforcing and Structural Steel)	Elongation	IS 1608 (Part 1)
60	MECHANICAL- BUILDINGS MATERIALS	Steel (Reinforcing and Structural Steel)	Nominal Mass	IS 1786
61	MECHANICAL- BUILDINGS MATERIALS	Steel (Reinforcing and Structural Steel)	Rebend Test	IS 1786
62	MECHANICAL- BUILDINGS MATERIALS	Steel (Reinforcing and Structural Steel)	Ultimate Strength	IS 1608 (Part 1)
63	MECHANICAL- BUILDINGS MATERIALS	Steel (Reinforcing and Structural Steel)	Yield Strength	IS 1608 (Part 1)
64	MECHANICAL- SOIL AND ROCK	Clay & Soils	Atterberg's Limit - Plastic Limit	IS 2720 (Part 05)
65	MECHANICAL- SOIL AND ROCK	Clay & Soils	Direct Shear (Cohesion (C))	IS 2720 (Part 13)
66	MECHANICAL- SOIL AND ROCK	Clay & Soils	Free Swell Index	IS 2720 (Part 40)
67	MECHANICAL- SOIL AND ROCK	Clay & Soils	Grain Size analysis	IS 2720 (Part 04)
68	MECHANICAL- SOIL AND ROCK	Clays & Soil	California Bearing Ratio	IS 2720 (Part 16)
69	MECHANICAL- SOIL AND ROCK	Clays & Soil	Consolidation Test	IS 2720 (Part 15)
70	MECHANICAL- SOIL AND ROCK	Clays & Soils	Atterbergs Limit (Liquid Limit)	IS 2720 (Part 05)
71	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear (Angle of internal friction (phi))	IS 2720 (Part 13)
72	MECHANICAL- SOIL AND ROCK	Clays & Soils	Heavy Compaction (OMC)	IS 2720 (Part 08)
73	MECHANICAL- SOIL AND ROCK	Clays & Soils	Heavy Compaction(MDD)	IS 2720 (Part 08)
74	MECHANICAL- SOIL AND ROCK	Clays & Soils	Light Compaction (MDD)	IS 2720 (Part 07)
75	MECHANICAL- SOIL AND ROCK	Clays & Soils	Light Compaction (OMC)	IS 2720 (Part 07)
76	MECHANICAL- SOIL AND ROCK	Clays & Soils	Specific Gravity	IS 2720 (Part 03)

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77	MECHANICAL- SOIL AND ROCK	Clays & Soils	Swell Pressure Test	IS 2720 (Part 41)
78	MECHANICAL- SOIL AND ROCK	Clays & Soils	Unconfined Compressive Strength	IS 2720 (Part 10)