National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SHREE SOIL & MATERIAL TESTING LABORATORY, K1-7/2A, PHASE 1, GIDC, VITHAL UDYOGNAGAR, ANAND, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5477 **Page No** 1 of 4

Validity 04/09/2022 to 03/09/2024 **Last Amended on** 16/11/2022

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	CHEMICAL- WATER	Construction Water	Chloride	IS 3025 (Part 32) - Argentometric method
2	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
3	CHEMICAL- WATER	Construction Water	Sulphates	IS 3025 (Part 24/Sec1)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic viscosity	IS 1206 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D2172
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D2726
13	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow Value	ASTM D6927
14	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal Stability	ASTM D6927
15	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Compressive strength	IS 3495 (Part 1)
16	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimension (Length)	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimension (Width)	IS 1077
18	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimension(Height)	IS 1077
19	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)

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20	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blain Air Permeability Method	IS 4031 (Part 2)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
25	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
26	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
28	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness with Le-Chattalier Method	IS 4031 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 125 mm)	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)

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39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75 micron	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (75 micron to 4.75 mm)	IS 2386 (Part 1)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water absorption	IS 2386 (Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part-2)
45	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516 (Part 1/sec1)
46	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658 : (Annex C)
47	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658 : (Annex D, Annex B-3)
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel (Reinforcing and Structural Steel)	Bend Test (Mandrel dia in mm: 16, 20, 24, 30, 32, 36, 40, 48, 50, 56, 60, 64, 70, 72, 75, 80, 84, 96, 100, 112, 120, 125, 128, 140, 150, 160, 175, 192, 200, 224, 256)	IS 1599
49	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel (Reinforcing and Structural Steel)	Elongation	IS 1608 (Part 1)
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel (Reinforcing and Structural Steel)	Nominal Mass	IS 1786
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel (Reinforcing and Structural Steel)	Re-Bend Test	IS 1786
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel (Reinforcing and Structural Steel)	Ultimate Tensile Strength	IS 1608 (Part 1)
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel (Reinforcing and Structural Steel)	Yield Strength	IS 1608 (Part 1)

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54	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
55	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15)
56	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Angle of internal friction (phi))	IS 2720 (Part 13)
57	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Cohesion (C))	IS 2720 (Part 13)
58	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
59	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
60	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
61	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
62	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
63	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
64	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
65	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
66	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
67	MECHANICAL- SOIL AND ROCK	Soil	Swell Pressure Test	IS 2720 (Part 41)
68	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)