National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SHIV ENGINEERING SOLUTION & MATERIAL TESTING LAB, 4TH FLOOR, ALPHA ONE COMPLEX, ZANZARDA COWKDI, JUNAGADH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9261 **Page No** 1 of 3

Validity 15/02/2021 to 14/02/2023 **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 and Bituminous material	Ductility	IS 1208
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Penetration	IS 1203
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Softening point	IS 1205
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Specific gravity	IS 1202
5	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Dimension (Width)	IS 1077
6	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Dimension Height	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Dimension Length	IS 1077
8	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Efflorescence	IS 3495 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Water absorption	IS 3495 (Part 2)
10	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Compressive Strength	IS 3495 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine air permeability	IS 4031 (Part 2)
12	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving (% retained)	IS 4031 (Part 1) Clause No. 5
13	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Lechatelier methods	IS 4031 (Part 3) Clause-5
14	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS 4031 (Part 6)
15	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part-11)
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Final setting times	IS 4031 (Part 5)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting times	IS 4031 (Part 5)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles abrasion Value	IS 2386 (Part-4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 125 mm)	IS 2386 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk density & voids	IS 2386, Part 3
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386, Part-1
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Concrete (Hardened), Cube, Cylinder, Core, Beam	Compressive Strength	IS 516
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk density & voids	IS 2386, Part 3
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Sand)	Sieve Analysis (75 micron to 4.75mm)	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Sand)	Silt Content	IS 2386 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (sand)	Specific Gravity	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (Sand)	Water Absorption	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
35	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
36	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis Clay (75 micron to 10 mm)	IS 2720 (Part-4)
37	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)

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38	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 27)
39	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
40	MECHANICAL- SOIL AND ROCK	Soil	California Bearing ratio	IS 2720 (Part 16)
41	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
42	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
43	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
44	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS:2720 (Part 6)
45	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3)
46	MECHANICAL- SOIL AND ROCK	Soil	Water content	IS 2720 (Part 2)