National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GSM SOIL AND MATERIAL TESTING LABORATORY PVT. LTD., KUVADAVA ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5621 **Page No** 1 of 4

Validity 31/03/2022 to 30/03/2024 **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	Ductility	IS 1208
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening point	IS 1205
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
5	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP 11
6	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D 6927
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay & Fly Ash Bricks	Efflorescence	IS 3495 Part 3
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Compressive Strength	IS 3495 : Part 1
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension - Height	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension - Length	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay brick	Dimension - Width	IS 1077
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	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)	Consistency	IS 4031 : (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Final Setting Time	IS 4031 : (Part 5)
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 methods	IS 4031 (Part 3)

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Certificate Number TC-5621 **Page No** 2 of 4

Validity 31/03/2022 to 30/03/2024 **Last Amended on** -

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Fineness by Blaine air permeability	IS 4031 (Part 2)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Fineness by dry sieving	IS 4031:(Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Crushing value	IS 2386 : (Part 4)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Impact Value	IS 2386 : (Part 4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Inedx	IS 2386 : (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 : (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles Abrasion Value	IS 2386 : (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (4.75 to 80 mm)	IS 2386 :(Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 : (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 :(Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 Part-1, Sec-1
30	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Flexural Strength of beam	IS 516 Part-1, Sec-1
31	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Compressive Strength	IS 15658
32	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Water Absorption	IS 15658
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material finer than 75micron	IS 2386 : (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (0.075 mm to 4.75 mm)	IS 2386 : (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 : (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 : (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 Part-2

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Certificate Number TC-5621 **Page No** 3 of 4

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38	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Bend test (Mandrel Diameter: 18 mm, 24 mm, 30 mm. 32 mm, 36 mm, 40 mm, 48 mm, 60 mm, 64 mm, 80 mm)	IS 1599
39	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Cross section area	IS 1786
40	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation %	IS 1608 : Part 1
41	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Nominal Mass (Mass per Meter)	IS 1786
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	UltimateTensile Strength	IS 1608 : Part 1
43	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress / 0.2% Proof stress	IS 1608 : Part 1
44	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
45	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Undrained Direct Box shear - Angle	IS 2720 (Part 13)
46	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Undrained Direct Box shear - Cohesion	IS 2720 (Part 13)
47	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
48	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS 2720 : (Part 8)
49	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 (Part 8)
50	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 : (Part 7)
51	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 : (Part 7)
52	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit LL	IS 2720 : (Part 5)
53	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 : (Part 5)
54	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis (0.075 mm to 20 mm)	IS 2720 (Part 4)
55	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3) : sec 1

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56	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)

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