



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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 / 6

Validity 31/03/2019 to 30/03/2021 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: 1978
2	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203: 1978
3	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Softening point	IS 1205: 1978
4	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D 2172: 2017
5	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D 6927: 2015
6	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927: 2015
7	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay & Fly Ash Bricks	Efflorescence	IS 3495 Part 3: 1992
8	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Brick	Compressive Strength	IS 3495 Part 1: 1992
9	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Brick	Dimension - Height	IS 1077: 1992



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10	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Brick	Dimension - Length	IS 1077: 1992
11	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay brick	Dimension - Width	IS 1077: 1992
12	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Brick	Water Absorption	IS 3495 Part 2: 1992
13	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC & PPC)	Compressive Strength	IS 4031 Part 6: 1988
14	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC & PPC)	Consistency	IS 4031 Part 4: 1988
15	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC & PPC)	Final Setting Time	IS 4031 Part 5: 1988
16	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC & PPC)	Initial Setting Time	IS 4031 Part 5: 1988
17	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC & PPC)	Soundness by Le-chatelier methods	IS 4031 Part 3: 1988
18	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC and PPC)	Fineness by Blaine air permeability	IS 4031 Part 2: 1999



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19	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC and PPC)	Fineness by dry sieving	IS 4031 Part 1: 1996
20	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Crushing value	IS 2386 part 4: 1963
21	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Impact Value	IS 2386 Part 4: 1963
22	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 Part 1: 1963
23	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 Part 1: 1963
24	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles Abrasion Value	IS 2386 Part 4: 1963
25	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis	IS 2386 Part 1: 1963
26	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 Part 3: 1963
27	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 Part 3: 1963



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28	MECHANICAL-BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516: 1959
29	MECHANICAL-BUILDINGS MATERIALS	Concrete Cube	Flexural Strength of beam	IS 516: 1959
30	MECHANICAL-BUILDINGS MATERIALS	Concrete Paver Blocks	Compressive Strength	IS 15658: 2006
31	MECHANICAL-BUILDINGS MATERIALS	Concrete Paver Blocks	Water Absorption	IS 15658: 2006
32	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis	IS 2386 Part 1 : 1963
33	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregates	Silt content	IS 2386 Part 1: 1963
34	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 Part 3: 1963
35	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 Part 3: 1963
36	MECHANICAL-BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199: 1959



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37	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Bend test	IS 1599: 2012
38	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Cross section area	IS 1786: 2008
39	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Elongation %	IS 1608: 2005
40	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Nominal Mass	IS 1786: 2008
41	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Ultimate Tensile Strength	IS 1608: 2005
42	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Yield Stress/ 0.2% Proof stress	IS 1608: 2005(RA2017)
43	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 Part 16: 1985
44	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Undrained Direct Box shear - Angle	IS 2720 part 13: 1986



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45	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Undrained Direct Box shear - Cohesion	IS 2720 Part 13: 1986
46	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 Part 40: 1977
47	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS 2720 Part 8: 1983
48	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 Part 8: 1983
49	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 Part 7: 1980
50	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 Part 7: 1980
51	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit LL	IS 2720 Part 5 : 1985
52	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 Part 5: 1985
53	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis	IS 2720 Part 4: 1985
54	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 Part 3 sec 1: 1980
55	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 Part 10: 1991