



National Accreditation Board for  
Testing and Calibration Laboratories

## **CERTIFICATE OF ACCREDITATION**

### **GTSM TESTING LABS LLP**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

G-4, NEWYORK TOWER, THALTEJ CROSS ROAD, AHMEDABAD, GUJARAT, INDIA

in the field of

**TESTING**

Certificate Number: TC-6629

Issue Date: 04/07/2024

Valid Until: 05/12/2024

This certificate supersedes the Certificate No. TC-6629 with issue date 06/12/2022 in view of change in legal entity of the laboratory.

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Entity: GTSM TESTING LABS LLP

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



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## SCOPE OF ACCREDITATION

**Laboratory Name :**

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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 Testing				
1	MECHANICAL-BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441, Part 5
2	MECHANICAL-BUILDINGS MATERIALS	AAC Block	Density	IS 6441, Part 1
3	MECHANICAL-BUILDINGS MATERIALS	AAC Block	Dimensions - Length, Width and Height	IS 2185 Part 3
4	MECHANICAL-BUILDINGS MATERIALS	AAC Block	Moisture content	IS 6441, Part 1
5	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part-2)
6	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
7	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 Part 3
8	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Loss in Mass	IS 9382
9	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Penetration at 25°C 0.1 mm	IS 1203
10	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
11	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202



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12	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D 2726
13	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D 6927
14	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927
15	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Specific Gravity	ASTM D2041
16	MECHANICAL-BUILDINGS MATERIALS	Bricks	Compressive strength	IS 3495 Part 1
17	MECHANICAL-BUILDINGS MATERIALS	Bricks	Dimension - Height	IS 1077
18	MECHANICAL-BUILDINGS MATERIALS	Bricks	Dimension - Length	IS 1077
19	MECHANICAL-BUILDINGS MATERIALS	Bricks	Dimension - Width	IS 1077
20	MECHANICAL-BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 Part 3
21	MECHANICAL-BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 Part 2
22	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 Part 6
23	MECHANICAL-BUILDINGS MATERIALS	Cement	Consistency	IS 4031 Part 4



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24	MECHANICAL-BUILDINGS MATERIALS	Cement	Density	IS 4031 Part 11
25	MECHANICAL-BUILDINGS MATERIALS	Cement	Final Setting Times	IS 4031 Part 5
26	MECHANICAL-BUILDINGS MATERIALS	Cement	Fineness by Blaine Air Permeability	S 4031 Part 2
27	MECHANICAL-BUILDINGS MATERIALS	Cement	Initial setting times	IS 4031 Part 5
28	MECHANICAL-BUILDINGS MATERIALS	Cement	Soundness by Le chatelier method	IS 4031 Part 3
29	MECHANICAL-BUILDINGS MATERIALS	Cement Concrete Cube	Compressive strength	IS 516
30	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386, Part 3
31	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386, Part-4
32	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 Part 1
33	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 Part 1
34	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact value	IS 2386 Part 4
35	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 Part 4



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36	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis / Gradation of Aggregate (4.75 micron to 125 mm)	IS 2386, Part-1
37	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 Part 3
38	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 Part 3
39	MECHANICAL-BUILDINGS MATERIALS	Concrete	Density	IS 516 (Part 2, Sec 1)
40	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Material Finer Than 75 micron	IS 2386 Part 1 Clause No 3
41	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10 mm to 150 µm)	IS 2386 Part 1
42	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific gravity	IS 2386 Part 3
43	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	water absorption	IS 2386 Part 3
44	MECHANICAL-BUILDINGS MATERIALS	Flooring / Ceramic & vitrified Tiles	Dimension (Length)	IS 13630 Part- 1
45	MECHANICAL-BUILDINGS MATERIALS	Flooring / Ceramic & vitrified Tiles	Dimension (Thickness)	IS 13630 Part-1
46	MECHANICAL-BUILDINGS MATERIALS	Flooring / Ceramic & vitrified Tiles	Dimension (Width)	IS 13630 Part -1
47	MECHANICAL-BUILDINGS MATERIALS	Flooring Tiles Ceramic / Vitrified	Water Absorption	IS 13630 Part 2



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48	MECHANICAL-BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
49	MECHANICAL-BUILDINGS MATERIALS	Paver Blocks	Abrasion Resistance	IS 15658
50	MECHANICAL-BUILDINGS MATERIALS	Paver Blocks	Dimensions (Length)	IS 15658
51	MECHANICAL-BUILDINGS MATERIALS	Paver Blocks	Dimensions (Thickness)	IS 15658
52	MECHANICAL-BUILDINGS MATERIALS	Paver Blocks	Dimensions (Width)	IS 15658
53	MECHANICAL-BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
54	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Steel	Bend test	IS 1599
55	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Steel	Elongation	IS 1608 Part 1
56	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Steel	Mass per meter	IS 1786
57	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Steel	Re bend Test	IS 1786
58	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Steel	Ultimate Tensile Strength	IS 1608 Part 1
59	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress	IS 1608 (Part-1)



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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
60	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS 13030
61	MECHANICAL- SOIL AND ROCK	Rock	Point load index	IS 8764
62	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 13030
63	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compression Strength	IS 9143
64	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
65	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS 2720 Part 16
66	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 Part 15
67	MECHANICAL- SOIL AND ROCK	Soil	Determination of the shear strength parameters of a specimen tested in unconsolidated undrained triaxial compression without the measurement of pore water pressure - Angle	IS 2720 Part 11
68	MECHANICAL- SOIL AND ROCK	Soil	Determination of the shear strength parameters of a specimen tested in unconsolidated undrained triaxial compression without the measurement of pore water pressure - Cohesion	IS 2720 Part 11
69	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test Angle	IS 2720 Part 13
70	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test Cohesion	IS 2720 Part 13
71	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 Part 40



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72	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (20 mm to 0.075 mm)	IS 2720 Part 4
73	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS 2720 Part 8
74	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 Part 8
75	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 Part 7
76	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 Part 7
77	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 Part 5
78	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 Part 2
79	MECHANICAL- SOIL AND ROCK	Soil	Permeability (By Falling head method)	IS 2720 (Part-17)
80	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 Part 5
81	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 Part 6
82	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 Part 3
83	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 Part 41
84	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part-10)
85	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforcement Concrete Structure	Rebar Locator / Cover Meter Test	BS 1881 Part-204



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Site Testing				
1	MECHANICAL- SOIL AND ROCK	Soil Field Test	Dynamic Cone Penetration Test	IS 4968 Part-1
2	MECHANICAL- SOIL AND ROCK	Soil Field Test	Field Density by Core cutter method	IS 2720 (Part 29)
3	MECHANICAL- SOIL AND ROCK	Soil Field Test	Field Density by Sand Replacement	IS 2720 (Part 28)
4	MECHANICAL- SOIL AND ROCK	Soil Field Test	Plate Load Test	IS 1888
5	MECHANICAL- SOIL AND ROCK	Soil Field Test	Standard Penetration Test	IS 2131
6	MECHANICAL- SOIL AND ROCK	Soil Field Test	Undisturbed sample	IS 2132
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer	IS 516, Part 5, Sec 4
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete structure	Ultrasonic Pulse Velocity	IS 516 Part 5 Sec 1