National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CONSTROTRAIT MATERIAL TESTING AND SERVICES LLP, 57/2B/3, SONGIRWADI, WAI, SATARA, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/02/2023 to 15/02/2025 **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	Autoclaved Cellular Concrete Blocks	Bulk Density	IS 6441 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Compressive Strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
4	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D2172
5	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Sieve Analysis (Section 500 of MORTH)	IS 2386 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Building Clay Bricks	Compressive Strength	IS 3495 (Part 1)
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Building Clay Bricks	Water Absorption	IS 3495 (Part 2)
8	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
9	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
10	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
11	MECHANICAL- BUILDINGS MATERIALS	Cement	Normal Consistency	IS 4031 (Part 4)
12	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (2.36 mm to 80 mm)	IS 2386 (Part 1)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516
21	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Solid/Hollow)	Compressive Strength	IS 2185 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Solid/Hollow)	Water Absorption	IS 2185 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density (Dry Loose)	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (150 µm to 10 mm)	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt Content	CPWD Specification (Appendix C/Clause 3.1.3.2)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Masonry Mortar	Compressive Strength	IS 2250
31	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658 (Annex D)
32	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658 (Annex C)
33	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (Rebar)	Bend Test	IS 1599
34	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (Rebar)	Mass per Meter	IS 1786
35	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (Rebar)	Percentage Elongation	IS 1608 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (Rebar)	Rebend Test	IS 1786
37	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (Rebar)	Ultimate Tensile Strength	IS 1786

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38	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (Rebar)	Yield Strength	IS 1608 (Part 1)
39	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Grain Size Analysis (75 µm to 100 mm)	IS 2720 (Part 4)
40	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Heavy Compaction (MDD)	IS 2720 (Part 8)
41	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Heavy Compaction (OMC)	IS 2720 (Part 8)
42	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Light Compaction (MDD)	IS 2720 (Part 7)
43	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Light Compaction (OMC)	IS 2720 (Part 8)
44	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Liquid Limit Test	IS 2720 (Part 5)
45	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	Plastic Limit Test	IS 2720 (Part 5)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Rebound Hammer Test	IS 13311 (Part 2)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Section 1)