National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : UNIVERSAL TESTING LAB, 14/109, GROUND & FIRST FLOOR, UNNAT NAGAR-4, CTS NO. 01, OFF. MG ROAD, GOREGAON WEST, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6047 **Page No** 1 of 6

Validity 28/09/2022 to 27/09/2024 **Last Amended on** 03/11/2022

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 Aerated Concrete Block	Compressive Strength	IS 6441 (Part 5)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Block	Density of Block	IS 6441 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Block	Drying Shrinkage	IS 6441 (Part 2)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Block	Moisture Content	IS 6441 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP 11
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow Value	ASTM D 6927
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Sieve Analysis (0.150 mm to 40 mm)	IS 2386 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Bricks (Common Burnt Clay Building Bricks)	Compressive Strength	IS 3495 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Bricks (Common Burnt Clay Building Bricks)	Efflorescence	IS 3495(Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Bricks (Common Burnt Clay Building Bricks)	Water Absorption	IS 3495 (Part 2)
15	MECHANICAL- BUILDINGS MATERIALS	Bricks (Pulverized Fuel Ash Bricks)	Compressive Strength	IS 3495 (Part 1)
16	MECHANICAL- BUILDINGS MATERIALS	Bricks (Pulverized Fuel Ash Bricks)	Efflorescence	IS 3495 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Bricks (Pulverized Fuel Ash Bricks)	Water Absorption	IS 3495 (Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Sieving	IS 4031 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Normal Consistency	IS 4031 (Part 4)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier	IS 4031 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Specific Gravity	IS 4031 (Part 11)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Abrasion Value	IS 2386 (Part-4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose & Rodded)	IS 2386 (Part-3)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part-4)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness index	IS 2386 (Part-1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part-4)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 40 mm)	IS 2386 (Part-1)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part-3)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part-3)
34	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength of Cube	IS 516
35	MECHANICAL- BUILDINGS MATERIALS	Core/Cylinder	Compressive Strength	IS 516
36	MECHANICAL- BUILDINGS MATERIALS	Cube	Accelerated Testing by Boiling Water Method	IS 9013
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose & Rodded)	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 µm	IS 2386 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.150mm to 4.75 mm)	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
43	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Final Setting Time	IS 1727
44	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Sieving	IS 1727
45	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Initial Setting Time	IS 1727
46	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Le-chatelier	IS 1727
47	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
48	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base/Wet Mix Macadam/Water Bound Macadam	California Bearing Ratio	IS 2720 (Part 16)
49	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base/Wet Mix Macadam/Water Bound Macadam	Elongation Index	IS 2386 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base/Wet Mix Macadam/Water Bound Macadam	Flakiness Index	IS 2386 (Part 1)
51	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base/Wet Mix Macadam/Water Bound Macadam	Impact Value	IS 2386 (Part 4)
52	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base/Wet Mix Macadam/Water Bound Macadam	Liquid Limit	IS 2720 (Part 5)
53	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base/Wet Mix Macadam/Water Bound Macadam	Plastic Limit	IS 2720 (Part 5)
54	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base/Wet Mix Macadam/Water Bound Macadam	Sieve Analysis (0.150m to 75 mm)	IS 2386 (Part 1)
55	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base/Wet Mix Macadam/Water Bound Macadam	Water Absorption	IS 2386 (Part 3)
56	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658

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57	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
58	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar	% Elongation	IS 1608 Part 1
59	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar	Bend Test	IS 1599
60	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar	Rebend Test	IS 1786
61	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar	Ultimate Tensile Strength Test	IS 1608 Part 1
62	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar	Weight per meter	IS 1786
63	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar	Yield Strength Test	IS 1608 Part 1
64	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
65	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
66	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
67	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 13030
68	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 (Part 7)
69	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
70	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
71	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS 2720 (Part 8)
72	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 (Part 8)
73	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 (Part 7)

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74	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
75	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
76	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
77	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Carbonation Test	DIN EN 14630
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Cover Meter Test	BS 1881 (Part-204)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Half Cell Potentiometer	ASTM C876-09
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer Test	IS 13311 (Part-2)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity Test	IS 516 (Part-5) Sec 1