National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GCC ENGINEERING SERVICES (CONSTRUCTION MATERIAL TESTING LABORATORY), SERVE NO. 24/1, PLOT NO. 50, RIVER VIEW PARK, BHAPKAR MALA, MANJARI BUDRUK, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 03/05/2023 to 02/05/2025 **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 (Aerated) Concrete Blocks	Bulk Density	IS 6441 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Compressive Strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Dimension (Height)	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Dimension (Length)	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Dimension (Width)	IS 2185 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete Blocks	Moisture Content	IS 6441 (Part 1)
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Building Clay Bricks	Dimension (Height)	IS 1077
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Building Clay Bricks	Dimension (Length)	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Building Clay Bricks	Dimension (Width)	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Building Clay Bricks/ Burnt Clay Fly Ash Building Bricks	Compressive Strength	IS 3495 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Building Clay Bricks/ Burnt Clay Fly Ash Building Bricks	Efflorescence	IS 3495 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Building Clay Bricks/ Burnt Clay Fly Ash Building Bricks	Water Absorption	IS 3495 (Part 2)
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimension (Height)	IS 13757
14	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimension (Length)	IS 13757
15	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimension (Width)	IS 13757
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Rodded)	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material finer than 75 micron	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size - 100mm to 2.36mm)	IS 2386 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS 15658
27	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension (Height)	IS 15658
28	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension (Width)	IS 15658
29	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS 15658
30	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension (Length)	IS 15658
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Rodded)	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75 micron	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size - 10mm to 75micron)	IS 2386 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Core	Compressive Strength	IS 516 (Part 4)

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38	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength	IS 516 (Part 1, Section 1)
39	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Density	IS 516 (Part 2, Section 1)
40	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Compressive Strength	IS 1121 (Part 1)
41	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Porosity	IS 1124
42	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Specific Gravity	IS 1124
43	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS 1124
44	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS 13030
45	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
46	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 13030
47	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
48	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
49	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS 8764
50	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
51	MECHANICAL- SOIL AND ROCK	Soil	Dry Density (Heavy Compaction)	IS 2720 (Part 8)
52	MECHANICAL- SOIL AND ROCK	Soil	Dry Density (Light Compaction)	IS 2720 (Part 7)
53	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
54	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Sieve Size -100mm to 75micron)	IS 2720 (Part 4)
55	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
56	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Heavy Compaction)	IS 2720 (Part 8)

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57	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Light Compaction)	IS 2720 (Part 7)
58	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
59	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity (Fine Grained Soils)	IS 2720 (Part 3, Section 1)
60	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)