National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	CIVIL LAB AND GEOTECH CONSULTANTS, NO. 04, GROUND FLOOR, SAPTHAGIRI HALL, KOTE BADAVANE, WATER TANK ROAD, TATA NAGAR, SAHAKARA NAGAR POST, BENGALURU, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10725	**Page No**	1 of 6
Validity	18/06/2022 to 17/06/2024	**Last Amended on**	14/07/2022

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	Accelerated Curred Concrete	Compressive Strength	IS 9013
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Flyash Bricks	Compressive strength	IS 3495 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Flyash Bricks	Efflorescence	IS 3495 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Flyash Bricks	Water Absorption	IS 3495 (Part 2)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Angularity Number	IS 2386 (Part-1)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay lumps	IS 2386 (Part-2)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part IV)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part IV)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size: 4.75 mm to 100 mm)	IS 2386 (Part -1)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part III)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Ten percent fine value	IS 2386 (Part IV)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Voids	IS 2386 (Part III)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive strength	IS 516 Part 4
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)

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19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulkage	IS 2386 (Part III)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75micron	IS 2386 (Part I)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part III)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (Sieve Size: 75 micron to 6.3 mm)	IS 2386 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Voids	IS 2386 (Part III)
25	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516 part 1 sec-1
26	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Density	IS 516 (Part 2, Sec. 1)
27	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Depth of water penetration under pressure	IS 516 (Part 2, Sec. 1)
28	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid concrete Blocks	Compressive Strength	IS 2185 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Density	IS 2185 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension - Height	IS 2185 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension - Length	IS 2185 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimensions - Width	IS 2185 (Part 1)
33	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Compressive Strength	IS 4031 (Part 6)
35	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Density (Specific Gravity)	IS 4031 (Part 11)
36	MECHANICAL- BUILDINGS MATERIALS	Hydraulic cement	Fineness by dry sieving	IS 4031 (Part I)
37	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Initial and final Setting time	IS 4031 (Part 5)

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38	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Soundness Test by Le Châtelier method	IS 4031 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Hydrualic Cement	Consistency	IS 4031 (Part 4)
40	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
41	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension - Height	IS 15658
42	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension - Length	IS 15658
43	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension - Width	IS 15658
44	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Flexural strength	IS 15658-
45	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Tensile Splitting Strength	IS 15658-
46	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
47	MECHANICAL- BUILDINGS MATERIALS	Rebar steel	Bend Test	IS 1599
48	MECHANICAL- BUILDINGS MATERIALS	Rebar Steel	Elongation	IS 1608 Part 1
49	MECHANICAL- BUILDINGS MATERIALS	Rebar Steel	Rebend Test	IS 1786
50	MECHANICAL- BUILDINGS MATERIALS	Rebar Steel	Tensile Strength	IS 1608 (Part 1)
51	MECHANICAL- BUILDINGS MATERIALS	Rebar Steel	Weight per metre	IS 1786
52	MECHANICAL- BUILDINGS MATERIALS	Rebar Steel	Yield Strength	IS 1608 (Part-1)
53	MECHANICAL- SOIL AND ROCK	Clays & Soil	Direct Shear Test	IS 2720 (Part 13)
54	MECHANICAL- SOIL AND ROCK	Clays & Soils	California Bearing Ratio (CBR)	IS 2720 (Part 16)
55	MECHANICAL- SOIL AND ROCK	Clays & Soils	Free Swell Index	IS 2720 (Part 40)
56	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain size Analysis (Dry & Wet method)	IS 2720 (Part 4)

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57	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain size analysis (Hydrometer Method)	IS 2720 (Part 4)
58	MECHANICAL- SOIL AND ROCK	Clays & Soils	Linear Shrinkage	IS 2720 (Part 20)
59	MECHANICAL- SOIL AND ROCK	Clays & Soils	Liquid Limit	IS 2720 (Part 5)
60	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plastic Limit	IS 2720 (Part 5)
61	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plasticity Index	IS 2720 (Part 5)
62	MECHANICAL- SOIL AND ROCK	Clays & Soils	Shrinkage Factors	IS 2720 (Part 6)
63	MECHANICAL- SOIL AND ROCK	Clays & Soils	Soil Permeability - Falling Head Method	IS 2720 (Part 17)
64	MECHANICAL- SOIL AND ROCK	Clays & Soils	Specific Gravity	IS 2720 (Part 3)
65	MECHANICAL- SOIL AND ROCK	Clays & Soils	Triaxial Compression test (UU)	IS 2720 (Part 11)
66	MECHANICAL- SOIL AND ROCK	Clays & Soils	Unconfined Compressive Strength	IS 2720 (Part 10)
67	MECHANICAL- SOIL AND ROCK	Clays & Soils	Water Content	IS 2720 (Part 2)
68	MECHANICAL- SOIL AND ROCK	Clays & Soils	Water content-Dry density (Heavy Compaction)	IS 2720 (Part 8)
69	MECHANICAL- SOIL AND ROCK	Clays & Soils	Water content-Dry density (Light Compaction)	IS 2720 (Part 7)
70	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
71	MECHANICAL- SOIL AND ROCK	Rock	Point Load strength Index	IS 8764
72	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
73	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive strength	IS 9143
74	MECHANICAL- SOIL AND ROCK	Rock	Water content	IS 13030
75	MECHANICAL- SOIL AND ROCK	Stone	Apparent Specific Gravity	IS 1124 (Part 4)

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76	MECHANICAL- SOIL AND ROCK	Stone	Compressive Strength	IS 1121 (Part 1)
77	MECHANICAL- SOIL AND ROCK	Stone	Porosity	IS 1124 (Part 4)
78	MECHANICAL- SOIL AND ROCK	Stone	Tensile Strength	IS 1121 (Part 3)
79	MECHANICAL- SOIL AND ROCK	Stone	Water Absorption	IS 1124 (Part 4)

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive strength	IS 516 Part 4
2	MECHANICAL- SOIL AND ROCK	Clays & Soils	Dry density of soil in-place by Sand Replacement Method	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Clays & Soils	Field CBR	IS 2720 (Part 31)
4	MECHANICAL- SOIL AND ROCK	Clays and Soil	Standard Penetration test	IS 2131
5	MECHANICAL- SOIL AND ROCK	Clays and Soils	Dry density of soil in-place by Core cutter method	IS 2720 (Part 29)
6	MECHANICAL- SOIL AND ROCK	Clays and Soils	Plate Load Test	IS 1888
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Carbonation depth	IS 516 (Part 5/Sec 3)
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer for Compressive strength	IS 516 Part 5/ Sec 4
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasound pulse velocity	IS 516 Part 5/sec 1
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Slab	Slab load test	IS 456
11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete structures	Cover depth and reinforcement spacing and diameter	IS 456
12	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforcement in Concrete	Half cell potential	IS 516 sec 5 part 2