National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CIVIL TECH LABS, 10-122/4, SATYANARAYANA COLONY, NAGARAM, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8220 **Page No** 1 of 3

Validity 21/12/2021 to 20/12/2023 **Last Amended on** 04/03/2022

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	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)
3	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386(Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386(Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386(Part 1)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (80 mm, 63 mm, 40 mm, 20 mm, 16 mm , 12.5 mm, 10 mm, 4.75 mm , 2.36 mm)	IS 2386 (Part1)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Impact Value	IS 2386 (Part 4)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing value	IS 2386 (Part 4)
10	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 Part 4
11	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
12	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Materials Finer than 75 microns	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (10mm ,150µm)	IS 2386 (Part 1)
14	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Compressive Strength	IS 3495 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Flyash Bricks	Water Absorption	IS 3495 (Part 2)

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18	MECHANICAL- BUILDINGS MATERIALS	Granular Subbase	Impact Value	IS 2386 (Part 4)
19	MECHANICAL- BUILDINGS MATERIALS	Granular Subbase	Sieve Analysis	IS 2386 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Granular Subbase	Specific Gravity	IS 2386 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Granular Subbase	Water Absorption	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Steel	Mass per meter	IS:1786
23	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Combined Flakiness & Elongation	IS 2386 (Part1)
24	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Impact Value	IS 2386 (Part4)
25	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Sieve Analysis	IS 2386 (Part1)
26	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Specific Gravity	IS 2386 (Part3)
27	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Water Absorption	IS 2386 (Part3)
28	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limits - Liquid Limit by Casagrande apparatus	IS 2720 (Part 5)
29	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limits - Plastic Limit	IS 2720 (Part 5)
30	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
31	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test, angle of friction	IS:2720(Part No:13)
32	MECHANICAL- SOIL AND ROCK	Soil	Direct shear, cohesion	IS: 2720(Part 13)
33	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
34	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet method)	IS 2720 (Part 4)
35	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density (MDD)	IS 2720 (Part 8)
36	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content (OMC)	IS 2720 (Part 8)

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37	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density (MDD)	IS 2720 (Part 7)
38	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content (OMC)	IS 2720 (Part 7)
39	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial Shear Test(angle of friction)	IS 2720 (Part 11)
40	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial Shear Test(Cohesion)	IS 2720 (Part 11)