National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SILOAM GEOTECH SERVICES LLP, 2ND FLOOR, 22/3, 3RD MAIN ROAD, GOKULA 1ST STAGE, 2ND PHASE, MATHIKERE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11480 **Page No** 1 of 2

Validity 18/03/2023 to 17/03/2025 **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	Concrete	Compressive strength of concrete cubes	IS 516 (Part 1/ Sec. 1)
2	MECHANICAL- SOIL AND ROCK	Clays & soils	Atterberg's limits (Liquid Limit)	IS 2720 (Part 5)
3	MECHANICAL- SOIL AND ROCK	Clays & soils	Atterberg's Limits (Plastic Limit)	IS 2720 (Part 5)
4	MECHANICAL- SOIL AND ROCK	Clays & soils	Atterberg's Limits (Shrinkage factors)	IS 2720 (Part 6)
5	MECHANICAL- SOIL AND ROCK	Clays & soils	California Bearing Ratio	IS 2720 (Part 16)
6	MECHANICAL- SOIL AND ROCK	Clays & soils	Consolidation test (Compression index)	IS 2720 (part 15)
7	MECHANICAL- SOIL AND ROCK	Clays & soils	Consolidation test (swell index)	IS 2720 (part15)
8	MECHANICAL- SOIL AND ROCK	Clays & soils	Direct shear (Angle of internal friction)	IS 2720 (Part 13)
9	MECHANICAL- SOIL AND ROCK	Clays & soils	Direct shear test (cohesion)	IS 2720 (Part 13)
10	MECHANICAL- SOIL AND ROCK	Clays & soils	Free swell index	IS 2720 (Part 40)
11	MECHANICAL- SOIL AND ROCK	Clays & soils	Grain Size Analysis (Gravel)	IS 2720 (Part 4)
12	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain size Analysis (Sand)	IS 2720 (Part 4)
13	MECHANICAL- SOIL AND ROCK	Clays & soils	Grain size analysis (silt+clay)	IS 2720 (Part 4)
14	MECHANICAL- SOIL AND ROCK	Clays & soils	Hydrometer analysis (clay)	IS 2720 (Part 4)
15	MECHANICAL- SOIL AND ROCK	Clays & soils	Hydrometer analysis (silt)	IS 2720 (Part 4, Clause 5.2)
16	MECHANICAL- SOIL AND ROCK	Clays & soils	Modified Compaction (MDD)	Is 2720 (Part 8)
17	MECHANICAL- SOIL AND ROCK	Clays & soils	Modified Compaction (OMC)	IS 2720 (Part 8)
18	MECHANICAL- SOIL AND ROCK	Clays & soils	Permeability (Falling Head Method)	IS 2720 (Part 17)

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19	MECHANICAL- SOIL AND ROCK	Clays & soils	Specific gravity	IS 2720 (Part 3/Section 1)
20	MECHANICAL- SOIL AND ROCK	Clays & soils	Standard compaction (MDD)	IS 2720 (Part 7)
21	MECHANICAL- SOIL AND ROCK	Clays & soils	Standard compaction (OMC)	IS 2720 (Part 7)
22	MECHANICAL- SOIL AND ROCK	Clays & soils	Swelling pressure	IS 2720 (Part 41)
23	MECHANICAL- SOIL AND ROCK	Clays & soils	Triaxial - CU (effective cohesion, c')	IS 2720 (Part 12)
24	MECHANICAL- SOIL AND ROCK	Clays & soils	Triaxial - CU (effective friction angle, phi')	IS 2720 (Part 12)
25	MECHANICAL- SOIL AND ROCK	Clays & soils	Triaxial - CU (total cohesion, c)	IS 2720 (Part 12)
26	MECHANICAL- SOIL AND ROCK	Clays & soils	Triaxial - CU (total friction angle, phi)	IS 2720 (part 12)
27	MECHANICAL- SOIL AND ROCK	Clays & soils	Triaxial test-UU (cohesion, c)	IS 2720 (Part 11)
28	MECHANICAL- SOIL AND ROCK	Clays & soils	Triaxial test-UU (Friction Angle, phi)	IS 2720 (Part 11)
29	MECHANICAL- SOIL AND ROCK	Clays & soils	Unconfined compressive strength	IS 2720 (Part 10)
30	MECHANICAL- SOIL AND ROCK	Clays & soils	Water Content	IS 2720 (Part 2)
31	MECHANICAL- SOIL AND ROCK	Rock	Point load strength index	IS 8674
32	MECHANICAL- SOIL AND ROCK	Rock	Specific gravity of rock	IS 1124
33	MECHANICAL- SOIL AND ROCK	Rock	Unconfined compressive strength (UCS)	IS 9143
34	MECHANICAL- SOIL AND ROCK	Rock	Water absorption of rock	IS 1124