National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEOMAT LAB, 12/570, ATHIRTHY ROAD, KOONAMMAVU, KOTTUVALLY, ERNAKULAM, KERALA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11285 **Page No** 1 of 3

Validity 12/01/2023 to 11/01/2025 **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	Bituminous Mix	Density	ASTM D2726
2	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	AASHTO T 245
3	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Maximum Theoretical Specific Gravity (Gmm)	AASHTO T 209
4	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Binder Content	ASTM D2172
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (Part 4)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm to 75mm)	IS 2386 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (Magnesium Sulphate)	IS 2386 (Part 5)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 1, Section 1)
16	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Density	IS 516 (Part 2, Section 1)
17	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1, Section 1)
18	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Density	IS 516 (Part 2, Section 1)

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19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials Finer than 75µm	IS 2386 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (4.75 mm to 150 micron)	IS 2386 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (Magnesium Sulphate)	IS 2386 (Part 5)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
25	MECHANICAL- SOIL AND ROCK	Natural Rock	Water Content	IS 13030
26	MECHANICAL- SOIL AND ROCK	Natural Rock	Density	IS 13030
27	MECHANICAL- SOIL AND ROCK	Natural Rock	Unconfined Compressive Strength	IS 9143
28	MECHANICAL- SOIL AND ROCK	Soil	Determination of Water Content - Dry Density Relation Using Heavy Compaction	IS 2720 (Part 8)
29	MECHANICAL- SOIL AND ROCK	Soil	Determination of Water Content - Dry Density Relation Using Light Compaction	IS 2720 (Part 7)
30	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear test	IS 2720 (Part 13)
31	MECHANICAL- SOIL AND ROCK	Soil	Dry Sieve Analysis (4.75mm to 75mm)	IS 2720 (Part 4)
32	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
33	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Test	IS 2720 (Part 4)
34	MECHANICAL- SOIL AND ROCK	Soil	Laboratory Determination of California Bearing Ratio Test	IS 2720 (Part 16)
35	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
36	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)

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37	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
38	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 1)
39	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
40	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
41	MECHANICAL- SOIL AND ROCK	Soil	Wet Sieve Analysis (0.063mm to 75 micron)	IS 2720 (Part 4)