National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AECS ENGINEERING AND GEOTECHNICAL SERVICES PRIVATE LIMITED, D-245, SECTOR 10, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8635 **Page No** 1 of 3

Validity 28/08/2022 to 27/08/2024 **Last Amended on** 28/11/2022

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	Coarse Aggregate	Alkali Aggregate Reactivity (Mortar Bar Test)	IS 2386 (Part 7, Clause 2)
2	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3, Clause 3)
3	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4, Clause 2)
4	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1, Clause 5)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1, Clause 4)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4, Clause 4)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angele's Abrasion Value	IS 2386 (Part 4, Clause 5.3)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron	IS 2386 (Part 1, Clause 3)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Percentage of Voids	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (63 mm to 4.75 mm)	IS 2386 (Part 1, Clause 2)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate & Magnesium Sulphate	IS 2386 (Part 5)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 (Part 3, Clause 2)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3, Clause 2)
14	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Alkali Aggregate Reactivity (Mortar Bar Test)	IS 2386 (Part 7, Clause 2)
15	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3, Clause 3)
16	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10 mm to 0.075 mm)	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate & Magnesium Sulphate	IS 2386 (Part 5)
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3, Clause 2)

SCOPE OF ACCREDITATION

Laboratory Name : AECS ENGINEERING AND GEOTECHNICAL SERVICES PRIVATE LIMITED, D-245, SECTOR 10, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8635 **Page No** 2 of 3

Validity 28/08/2022 to 27/08/2024 **Last Amended on** 28/11/2022

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
19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
20	MECHANICAL- SOIL AND ROCK	Rock	Density by Saturation and Caliper Techniques	IS 13030 (Clause 5)
21	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS 8764
22	MECHANICAL- SOIL AND ROCK	Rock	Porosity by Saturation and Caliper Techniques	IS 13030 (Clause 5)
23	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability Index	IS 10050
24	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength by Brazillian Method	IS 10082
25	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression: Angle of Internal Friction	IS 13047
26	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression: Cohesion	IS 13047
27	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
28	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 1124
29	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030 (Clause 4)
30	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
31	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS 2720 (Part 13)
32	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear: Angle of Shearing Resistance	IS 2720 (Part 13)
33	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Coarse grained soil)	IS 2720 (Part 4, Clause 3 & 4)
34	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis(Fine Grained Soil)	IS 2720 (Part 4, Clause 5.2)
35	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction: Maximum Dry Density	IS 2720 (Part 8)
36	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction: Optimum Moisture Content	IS 2720 (Part 8)
37	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Maximum Dry Density	IS 2720 (Part 7)

SCOPE OF ACCREDITATION

Laboratory Name : AECS ENGINEERING AND GEOTECHNICAL SERVICES PRIVATE LIMITED, D-245, SECTOR 10, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8635 **Page No** 3 of 3

Validity 28/08/2022 to 27/08/2024 **Last Amended on** 28/11/2022

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
38	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Optimum Moisture Content	IS 2720 (Part 7)
39	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
40	MECHANICAL- SOIL AND ROCK	Soil	Natural moisture Content	IS 2720 (Part - 2)
41	MECHANICAL- SOIL AND ROCK	Soil	Permeability by Constant Head Method	IS 2720 (Part 17, Clause 5)
42	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
43	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
44	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 1)
45	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression: Angle of Shearing Resistance	IS 2720 (Part 11)
46	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression: Cohesion	IS 2720 (Part 11)
47	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part 10)
48	MECHANICAL- SOIL AND ROCK	Soil	Water Content Light Compaction (Standard Proctor Compaction Test)	IS 2720 (Part 2)