



(A Constituent Board of Quality Council of India)



## **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 / 4

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed			
	Permanent Facility						
1	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Alkali Aggregate Reactivity (Mortar Bar Test )	IS 2386 (Part 7, Clause 2): 1963 RA: 2016			
2	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3, Clause 3): 1963 RA: 2016			
3	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4, Clause 2): 1963 RA: 2016			
4	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1, Clause 5): 1963 RA: 2016			
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1, Clause 4): 1963 RA: 2016			
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4, Clause 4): 1963 RA: 2016			
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angele's Abrasion Value	IS 2386 (Part 4, Clause 5.3): 1963 RA: 2016			
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron	IS 2386 (Part 1, Clause 3): 1963 RA: 2016			
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Percentage of Voids	IS 2386 (Part 3): 1963 RA: 2016			
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (63 mm to 4.75 mm)	IS 2386 (Part 1, Clause 2): 1963 RA: 2016			





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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate & Magnesium Sulphate	IS 2386 (Part 5): 1963 RA: 2016
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 (Part 3, Clause 2): 1963 RA: 2016
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3, Clause 2): 1963 RA: 2016
14	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Alkali Aggregate Reactivity (Mortar Bar Test )	IS 2386 (Part 7, Clause 2): 1963 RA: 2016
15	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3, Clause 3):1963 RA: 2016
16	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10 mm to 0.075 mm)	IS 2386 (Part 1): 1963 RA: 2016
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate & Magnesium Sulphate	IS 2386 (Part 5): 1963 RA: 2016
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3, Clause 2):1963 RA: 2016
19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3):1963 RA: 2016
20	MECHANICAL- SOIL AND ROCK	Rock	Density by Saturation and Caliper Techniques	IS 13030 (Clause 5): 1991 RA: 2016
21	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS 8764: 1998 RA: 2014





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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
22	MECHANICAL- SOIL AND ROCK	Rock	Porosity by Saturation and Caliper Techniques	IS 13030 (Clause 5): 1991 RA: 2016
23	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability Index	IS 10050: 1981 RA: 2016
24	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength by Brazillian Method	IS 10082: 1981 RA: 2016
25	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression: Angle of Internal Friction	IS 13047: 1991 RA: 2016
26	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression: Cohesion	IS 13047: 1991 RA: 2016
27	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143: 1979 RA: 2016
28	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 1124: 1974 RA: 2017
29	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030 (Clause 4): 1991 RA: 2016
30	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16): 1987 RA: 2016
31	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS 2720 (Part 13): 1986 RA: 2016
32	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear: Angle of Shearing Resistance	IS 2720 (Part 13): 1986 RA: 2016
33	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (19 mm to 0.075 mm)	IS 2720 (Part 4, Clause 3 & 4):1985 RA: 2015
34	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis: Hydrometer Method	IS 2720 (Part 4, Clause 5.2): 1985 RA: 2015
35	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction: Maximum Dry Density	IS 2720 (Part 8):1983 RA: 2015





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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
36	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction: Optimum Moisture Content	IS 2720 (Part 8): 1983 RA: 2015
37	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Maximum Dry Density	IS 2720 (Part 7):1980 RA: 2016
38	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Optimum Moisture Content	IS 2720 (Part 7):1980 RA: 2016
39	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5): 1985 RA: 2015
40	MECHANICAL- SOIL AND ROCK	Soil	Permeability by Constant Head Method	IS 2720 (Part 17, Clause 5): 1986 RA: 2016
41	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5): 1985 RA: 2015
42	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6): 1972 RA: 2016
43	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 1): 1980 RA: 2016
44	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression: Angle of Shearing Resistance	IS 2720 (Part 11): 1993 RA: 2016
45	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression: Cohesion	IS 2720 (Part 11):1993 RA: 2016
46	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part 10): 1991 RA: 2015
47	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2): 1973 RA: 2015