National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SAI GEOTECHNICAL LABORATORY, B-45 DEFENCE COLONY, BHOPURA, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9888 **Page No** 1 of 2

Validity 21/09/2021 to 20/09/2023 **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- SOIL AND ROCK	Rock	Determination of Density of Rock	IS:13030
2	MECHANICAL- SOIL AND ROCK	Rock	Determination of Porosity of Rock	IS:13030
3	MECHANICAL- SOIL AND ROCK	Rock	Determination of Specific Gravity of Rocks	IS13030
4	MECHANICAL- SOIL AND ROCK	Rock	Determination of Water Content of Rock	IS: 13030
5	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS:8764
6	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limits (Liquid Limit)	IS:2720 P-5
7	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limits(Plastic Limit)	IS:2720 P-5
8	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS; 2720 P-16
9	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Internal Friction Angle)	IS: 2720 P-13
10	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test-Cohesion	IS: 2720 P-13
11	MECHANICAL- SOIL AND ROCK	Soil	Free Soil Index	IS:2720 P-40
12	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (75mm)	IS: 2720 P-4
13	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (4.75mm)	IS: 2720 P-4
14	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (100mm)	IS: 2720 P-4
15	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (19mm)	IS: 2720 P-4
16	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (2.0mm)	IS 2720 P-4
17	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (425micron)	IS: 2720 P-4
18	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (75micron)	IS: 2720 P-4

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19	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (Maximum Dry Density)	IS:2720 P-8
20	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (Optimum Moisture Content)	IS: 2720 P-8
21	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 P-4
22	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction test (Maximum Dry Density)	IS: 2720 P-7
23	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (Optimum moisture Content)	IS:2720 P-7
24	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity of Soil	IS;2720 P-3
25	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial Compression Test without pore pressure (UUT)-Cohesion	IS: 2720 P-11
26	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial Compression Test without pore pressure (UUT)-Internal Friction Angle	IS:2720 P-11