



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name SOIL & ROCK TESTING LABORATORY, SARATHY GEOTECH & ENGINEERING SERVICES PVT. LTD, NO.70, GROUND FLOOR, KARNATAKA MEDICAL COUNCIL BUILDING, K R ROAD, BASAVANAGUDI, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6007 Page No. : 1 / 4

Validity 14/07/2019 to 13/07/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	MECHANICAL- BUILDINGS MATERIALS	Rock	Specific Gravity	IS 2386 (Part-3):1963, RA: 2016	2 to 3
2	MECHANICAL- BUILDINGS MATERIALS	Rock	Water Absorption	IS 2386 (Part-3):1963, RA: 2016	0.1 % to 40 %
3	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030: 1991, RA: 2016	1 g/cc to 4 g/cc
4	MECHANICAL- SOIL AND ROCK	Rock	Modulus of Elasticity of Rock	IS 9221 :1979, RA: 2016	0.6 GPa to 100 GPa
5	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength	IS 8764: 1998, RA: 2014	0.1 N/mm ² to 35 N/mm ²
6	MECHANICAL- SOIL AND ROCK	Rock	Poisson's Ratio of Rock	IS 9221 :1979 , RA: 2016	0.10 to 0.42
7	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030: 1991, RA: 2016	0.1 % to 20 %
8	MECHANICAL- SOIL AND ROCK	Rock	Rock Triaxial (c)	IS 13047: 1991, RA: 2016	0 N/mm ² to 20 N/mm ²
9	MECHANICAL- SOIL AND ROCK	Rock	Rock Triaxial (phi)	IS 13047: 1991, RA: 2016	1 ° to 60 °
10	MECHANICAL- SOIL AND ROCK	Rock	Slakes Durability	IS 10050 : 1981, RA: 2016	0.1 % to 100 %
11	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength of Rock	IS 10082: 1981, RA: 2016	0.01 MPa to 40 MPa
12	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143: 1979, RA: 2016	0.1 N/mm ² to 400 N/mm ²



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name SOIL & ROCK TESTING LABORATORY, SARATHY GEOTECH & ENGINEERING SERVICES PVT. LTD, NO.70, GROUND FLOOR, KARNATAKA MEDICAL COUNCIL BUILDING, K R ROAD, BASAVANAGUDI, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6007 Page No. : 2 / 4

Validity 14/07/2019 to 13/07/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
13	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030: 1991, RA: 2016	0.01 % to 5 %
14	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part-16):1987, RA: 2016	0.5 % to 100 %
15	MECHANICAL- SOIL AND ROCK	Soil	Consolidation (Cc)	IS 2720 (Part-15): 1986, RA: 2016	0.04 to 2
16	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (undrained) (c)	IS 2720 (Part-13): 1986, RA: 2016	0.1 kPa to 15 kPa
17	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear(undrained) (phi)	IS 2720 (Part-13): 1986, RA: 2016	0 ° to 45 °
18	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40):1977, RA: 2016	0.1 % to 1000 %
19	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis (Dry Sieve)	IS 2720 (Part-4) Clause 3: 1985 , RA: 2015	0.1 % to 100 %
20	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis (Wet Sieve)	IS 2720 (Part-4) Clause 4 :1985, RA: 2015	0.1 % to 100 %
21	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis by Hydrometer	IS 2720 (Part-4) Clause 5.2:1985, RA: 2015	0.1 % to 100 %
22	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part-8):1983, RA: 2015	1.2 g/cc to 2.3 g/cc
23	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part-8):1983, RA: 2015	1 % to 30 %
24	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part-7):1980, RA: 2016	1.2 g/cc to 2.3 g/cc
25	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part-7):1980, RA: 2016	1 % to 35 %
26	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit (Casagrande)	IS 2720 (Part-5) Clause 3 & 5 :1985, RA: 2015	10 % to 600 %



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name SOIL & ROCK TESTING LABORATORY, SARATHY GEOTECH & ENGINEERING SERVICES PVT. LTD, NO.70, GROUND FLOOR, KARNATAKA MEDICAL COUNCIL BUILDING, K R ROAD, BASAVANAGUDI, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6007 Page No. : 3 / 4

Validity 14/07/2019 to 13/07/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
27	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5):1985, RA: 2015	3 % to 300 %
28	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3/Sec-1):1980, RA: 2011	2 to 3
29	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression (Angle of internal resistance)	IS 2720 (Part-11): 1993, RA: 2016	0 ° to 45 °
30	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression (Cohesion)	IS 2720 (Part-11): 1993, RA: 2016	0 kPa to 500 kPa
31	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10) : 1991, RA: 2015	.01 MPa to 8 MPa
32	MECHANICAL- SOIL AND ROCK	Soil	water content	IS 2720 (Part 2): 1973, RA: 2015	1 % to 300 %



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name SOIL & ROCK TESTING LABORATORY, SARATHY GEOTECH & ENGINEERING SERVICES PVT. LTD, NO.70, GROUND FLOOR, KARNATAKA MEDICAL COUNCIL BUILDING, K R ROAD, BASAVANAGUDI, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6007 Page No. : 4 / 4

Validity 14/07/2019 to 13/07/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Site Facility					
1	MECHANICAL-BUILDINGS MATERIALS	Pile Testing	High Strain Dynamic Testing	ASTM D4945: 2017	Qualitative
2	MECHANICAL-BUILDINGS MATERIALS	Pile Testing	Low Strain Impact Integrity Testing	ASTM D5882: 2016	3500 m/s to 4300 m/s