National Accreditation Board for Testing and Calibration Laboratories

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, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6007 **Page No** 1 of 4

Validity 14/07/2021 to 13/07/2023 **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	Density	IS 13030
2	MECHANICAL- SOIL AND ROCK	Rock	Modulus of Elasticity of Rock	IS 9221
3	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength	IS 8764
4	MECHANICAL- SOIL AND ROCK	Rock	Poisson's Ratio of Rock	IS 9221
5	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
6	MECHANICAL- SOIL AND ROCK	Rock	Rock Triaxial (c)	IS 13047
7	MECHANICAL- SOIL AND ROCK	Rock	Rock Triaxial (phi)	IS 13047
8	MECHANICAL- SOIL AND ROCK	Rock	Slakes Durability	IS 10050
9	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength of Rock	IS 10082
10	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
11	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
12	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part-16)
13	MECHANICAL- SOIL AND ROCK	Soil	Consolidation (Cc)	IS 2720 (Part-15)
14	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (undrained) (c)	IS 2720 (Part-13)
15	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (undrained) (phi)	IS 2720 (Part-13)
16	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
17	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis (Dry Sieve)	IS 2720 (Part-4) Clause 3
18	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis (Wet Sieve)	IS 2720 (Part-4) Clause 4

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19	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis by Hydrometer	IS 2720 (Part-4) Clause 5.2
20	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part-8)
21	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part-8)
22	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part-7)
23	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part-7)
24	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 3) Clause 3 & 5
25	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit (Casagrande)	IS 2720 (Part-5) Clause 3 & 5
26	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
27	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3/Sec-1)
28	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression (Angle of Internal friction)	IS 2720 Part 11
29	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression (Angle of internal resistance)	IS 2720 (Part-11)
30	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression (Cohesion)	IS 2720 (Part-11)
31	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
32	MECHANICAL- SOIL AND ROCK	Soil	water content	IS 2720 (Part 2)

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Mobile Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 3) Clause 3 & 5
2	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 part 5
3	MECHANICAL- SOIL AND ROCK	Soil	Specfic Gravity	IS 2720 part-3 Sec 1
4	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression (Angle of Internal friction)	IS 2720 Part 11
5	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression (Cohesion)	IS 2720 part-11
6	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 Part 2

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Cross hole sonic test	Cross Hole sonic test on piles	ASTM D 6760
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	High Strain Dynamic Load test	High Strain Dynamic Load test	ASTM D 4945
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Pile testing	Pile testing	ASTM D 5882