National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SECON PRIVATE LIMITED - GEOTECHNICAL LABORATORY, PLOT NO.147, 7B ROAD, EPIP ZONE, WHITEFIELD, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6433 **Page No** 1 of 3

Validity 30/12/2021 to 29/12/2023 **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	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (Part 26)
2	CHEMICAL- SOIL AND ROCK	Soils	Organic Matter	IS 2720 (Part 22)
3	CHEMICAL- SOIL AND ROCK	Soils	Redox Potential	SOP/GTC-L/04, Issue No.1, Issue Date: July 26
4	CHEMICAL- SOIL AND ROCK	Soils	Soluble Calcium	SOP/GTC-L/27, Issue No.1, Issue Date: July 26
5	CHEMICAL- SOIL AND ROCK	Soils	Soluble Magnesium	SOP/GTC-L/29, Issue No.1, Issue Date: July 26
6	CHEMICAL- SOIL AND ROCK	Soils	Soluble Nitrates (as NO3-N)	SOP/GTC-L/23, Issue No.1, Issue Date: July 26
7	CHEMICAL- SOIL AND ROCK	Soils	Soluble Phosphates (as P)	SOP/GTC-L/19, Issue No.1, Issue Date: July 26
8	CHEMICAL- SOIL AND ROCK	Soils	Soluble Potassium (as K)	SOP/GTC-L/14, Issue No.1 , Issue Date: July 26
9	CHEMICAL- SOIL AND ROCK	Soils	Soluble Sodium	SOP/GTC-L/21, Issue No.1, Issue Date: July 26
10	CHEMICAL- SOIL AND ROCK	Soils	Soluble Sulphides (as S)	SOP/GTC-L/12, Issue No.1, Issue Date: July 26
11	CHEMICAL- SOIL AND ROCK	Soils	Total soluble Chlorides (as Cl)	SOP/GTC-L/08, Issue No.1, Issue Date: July 26
12	CHEMICAL- SOIL AND ROCK	Soils	Total Soluble Solids	IS 2720 (Part 21)
13	CHEMICAL- SOIL AND ROCK	Soils	Total Soluble Sulphates (as SO4)	IS 2720 (Part 27)
14	CHEMICAL- WATER	Ground Water	Calcium	IS 3025 (Part 40)
15	CHEMICAL- WATER	Ground Water	Carbonate & Bicarbonate	IS 3025 (Part 51)
16	CHEMICAL- WATER	Ground Water	Chloride	IS 3025 (Part 32)
17	CHEMICAL- WATER	Ground Water	Magnesium	IS 3025 (Part 46)
18	CHEMICAL- WATER	Ground Water	Nitrate (as NO3-N)	IS 3025 (Part 34)
19	CHEMICAL- WATER	Ground Water	Nitrite (as NO2-N)	IS 3025 (Part 34)
20	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
21	CHEMICAL- WATER	Ground Water	Phosphates (as P)	IS 3025 (Part 31)
22	CHEMICAL- WATER	Ground Water	Potassium (as K)	IS 3025 (Part 45)

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23	CHEMICAL- WATER	Ground Water	Redox Potential	APHA, 23rd Edition, 2580 -B,
24	CHEMICAL- WATER	Ground Water	Sodium	IS 3025 (Part 45)
25	CHEMICAL- WATER	Ground Water	Sulphates (as SO4)	IS 3025 (Part 24)
26	CHEMICAL- WATER	Ground Water	Sulphide	IS 3025 (Part 29)
27	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
28	CHEMICAL- WATER	Ground Water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
29	CHEMICAL- WATER	Ground Water	Total Suspended Solids	IS 3025 (Part 17)
30	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
31	MECHANICAL- SOIL AND ROCK	Clays & Soils	Consolidation	IS 2720 (Part 15)
32	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear Test (UU) - Angle of Internal Friction (f)	IS 2720 (Part 13)
33	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear Test (UU) - Cohesion (C)	IS 2720 (Part 13)
34	MECHANICAL- SOIL AND ROCK	Clays & Soils	Free Swell Index	IS 2720 (Part 40)
35	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain Size - Hydrometer	IS 2720 (Part 4 & Clause 5)
36	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain Size - Wet Sieving	IS 2720 (Part 4 & Clause 4))
37	MECHANICAL- SOIL AND ROCK	Clays & Soils	Heavy Compaction - MDD	IS 2720 (Part 8)
38	MECHANICAL- SOIL AND ROCK	Clays & Soils	Heavy Compaction - OMC	IS 2720 (Part 8)
39	MECHANICAL- SOIL AND ROCK	Clays & Soils	Laboratory Determination of CBR	IS 2720 (Part 16)
40	MECHANICAL- SOIL AND ROCK	Clays & Soils	Light Compaction - MDD	IS 2720 (Part 7)
41	MECHANICAL- SOIL AND ROCK	Clays & Soils	Light Compaction - OMC	IS 2720 (Part 7)
42	MECHANICAL- SOIL AND ROCK	Clays & Soils	Liquid Limit	IS 2720 (Part 5)
43	MECHANICAL- SOIL AND ROCK	Clays & Soils	Natural Moisture Content	IS 2720 (Part 2)
44	MECHANICAL- SOIL AND ROCK	Clays & Soils	Permeability	IS 2720 (Part 36)

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45	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plastic Limit	IS 2720 (Part 5)
46	MECHANICAL- SOIL AND ROCK	Clays & Soils	Shrinkage Limit	IS 2720 (Part 6)
47	MECHANICAL- SOIL AND ROCK	Clays & Soils	Specific Gravity	IS 2720 (Part 3 & Sec 1)
48	MECHANICAL- SOIL AND ROCK	Clays & Soils	Swelling Pressure	IS 2720 (Part 41)
49	MECHANICAL- SOIL AND ROCK	Clays & Soils	Triaxial Unconsolidated Undrained Test - Angle of Internal Friction (f)	IS 2720 (Part 11)
50	MECHANICAL- SOIL AND ROCK	Clays & Soils	Triaxial Unconsolidated Undrained Test - Cohesion (C)	IS 2720 (Part 11)
51	MECHANICAL- SOIL AND ROCK	Clays & Soils	Unconfined Compression Test	IS 2720 (Part 10)
52	MECHANICAL- SOIL AND ROCK	Rock Cores or Blocks / Irregular lumps	Point Load Strength Index	IS 8764