National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ESSCON ENGINEERING SERVICES PRIVATE LIMITED, A-2/12 BASEMENT(BACK PORTION), JANAKPURI, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9124 **Page No** 1 of 3

Validity 01/12/2022 to 30/11/2024 **Last Amended on** 06/01/2023

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	Calcium Carbonate	IS 2720 (Part -23)
2	CHEMICAL- SOIL AND ROCK	Soil	Electrical Conductivity	IS14767
3	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 (Part -22)
4	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720(Part-26)
5	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphates (SO4)	IS 2720(Part-27)
6	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
7	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Compression Index	IS 2720 (Part 15)
8	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Angle of Shearing Resistance (Undrained)	IS 2720 (Part 13)
9	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion (Undrained)	IS 2720 (Part 13)
10	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
11	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Dry Sieving & Wet Sieving)	IS 2720 (Part 4)
12	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
13	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8)
14	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 (Part-4)
15	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density	IS 2720 (Part 7)
16	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content	IS 2720 (Part 7)
17	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Mechanical Method	IS 2720 (Part 5)
18	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)

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Certificate Number TC-9124 **Page No** 2 of 3

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19	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
20	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 / Sec.1)
21	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Angle of Internal Friction	IS 2720 (Part 11)
22	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Cohesion	IS 2720 (Part 11)
23	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
24	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Oven Drying Method	IS 2720 (Part 2)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Earth Resistivity Test	IS 3043