National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRE FOR ADVANCED ENGINEERING, 59/2 BLOCK-C BANGUR AVENUE, KOLKATA, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10446 **Page No** 1 of 3

Validity 27/03/2022 to 26/03/2024 **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	Soil	California Bearing Ratio	IS 2720 (Part 16)
2	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Compression Index (Cc)	IS 2720 Part 15
3	MECHANICAL- SOIL AND ROCK	Soil	Consolidation (e)	IS 2720 Part 15
4	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Angle of Shearing Resistance	IS 2720 Part 13
5	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS 2720 Part 13
6	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 Part 40
7	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075 to 19 mm)	IS 2720 Part 4
8	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis by Hydrometer (0.002 to 0.075 mm)	IS 2720 Part 4
9	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Dry Density	IS 2720 Part 8
10	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS 2720 Part 8
11	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density	IS 2720 Part 7
12	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content	IS 2720 Part 7
13	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Cone Penetration Method	IS 2720 Part 5
14	MECHANICAL- SOIL AND ROCK	Soil	Permeability by Falling Head Method	IS 2720 Part 17
15	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	Is 2720 Part 5
16	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 Part 6
17	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 Part 3 / Sec 1
18	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part-41)

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19	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Cohesion	IS 2720 Part 11
20	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (UU)	IS:2720 (part-11)
21	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 Part 10
22	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	DETERMINATION OF DRY DENSITY OF SOILS IN-PLACE BY THE CORE-CUTTER METHOD	IS 2720 (Part-29)
2	MECHANICAL- SOIL AND ROCK	Soil	DETERMINATION OF DRY DENSITY OF SOILS IN-PLACE, BY THE SAND REPLACEMENT METHOD	IS 2720 (Part-28)