National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEOTECHNICAL ENGINEERING LABORATORY, M. S. PATEL DEPARTMENT OF CIVIL ENGINEERING, CSPIT, CHARUSAT, CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY, CHARUSAT CAMPUS, ANAND, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11433 **Page No** 1 of 1

Validity 14/03/2023 to 13/03/2025 **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- BASIC	Soil	California Bearing Ratio	IS 2720 (Part 16)
2	MECHANICAL- SOIL- BASIC	Soil	Direct Shear Test - Angle of Internal Friction	IS 2720 (Part 13)
3	MECHANICAL- SOIL- BASIC	Soil	Direct Shear Test - Cohesion	Is 2720 (Part 13)
4	MECHANICAL- SOIL- BASIC	Soil	Free Swell Index	IS 2720 (Part 40)
5	MECHANICAL- SOIL- BASIC	Soil	Grain Size Analysis - Wet Sieve Analysis (0.075mm, 0.15mm, 0.212mm, 0.3mm, 0.425mm, 0.6mm, 2.0mm, 1.0mm, 4.75mm)	IS 2720 (Part 4)
6	MECHANICAL- SOIL- BASIC	Soil	Heavy Weight Compaction - MDD	IS 2720 (Part 8)
7	MECHANICAL- SOIL- BASIC	Soil	Heavy Weight Compaction - OMC	IS 2720 (Part 8)
8	MECHANICAL- SOIL- BASIC	Soil	Light Weight Compaction - MDD	IS 2720 (Part 7)
9	MECHANICAL- SOIL- BASIC	Soil	Light Weight Compaction - OMC	IS 2720 (Part 7)
10	MECHANICAL- SOIL- BASIC	Soil	Liquid Limit By Cone Penetration Method	IS 2720 (Part 5)
11	MECHANICAL- SOIL- BASIC	Soil	Liquid Limit By Mechanical Method	IS 2720 (Part 5)
12	MECHANICAL- SOIL- BASIC	Soil	Plastic Limit	IS 2720 (Part 5)
13	MECHANICAL- SOIL- BASIC	Soil	Shrinkage Limit	IS 2720 (Part 6)
14	MECHANICAL- SOIL- BASIC	Soil	Triaxial Test - UU - Angle of Internal Friction	IS 2720 (Part 11)
15	MECHANICAL- SOIL- BASIC	Soil	Triaxial Test - UU - Cohesion	IS 2720 (Part 11)
16	MECHANICAL- SOIL- BASIC	Soil	Unconfined Compression Test - UCS	IS 2720 (Part 10)
17	MECHANICAL- SOIL- BASIC	Soil	Water Content by Oven Drying Method	IS 2720 (Part 2 / Section 1)