National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE CIVIL ENGINEERING MATERIAL TESTING LABORATORY (VCMTL), KANARU, VIJAYAWADA, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9730 **Page No** 1 of 2

Validity 03/08/2021 to 02/08/2023 **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- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 2)
2	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimensions	IS 1077
3	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Compressive Strength	IS 4031 (Part 6)
5	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Consistency	IS 4031 (Part 4)
6	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Final Setting Time	IS 4031 (Part 5)
7	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Fineness (Dry Sieving)	IS 4031 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Initial Setting Time	IS 4031 (Part 5)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Loose & Compacted)	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (4.75 mm to 63 mm)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density (Loose & Compacted)	IS 2386 (Part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt Content	Annexure C -CPWD Specifications
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)

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19	MECHANICAL- BUILDINGS MATERIALS	Hardened concrete (cube)	Compressive Strength	IS 516
20	MECHANICAL- SOIL AND ROCK	Soil	Differential Free Swell Index	IS 2720 (Part 40)
21	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test MDD	IS 2720 (Part 8)
22	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test OMC	IS 2720 (Part 8)
23	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test MDD	IS 2720(Part 7)
24	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test OMC	IS 2720(Part 7)
25	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit (casagrande method)	IS 2720 (Part 5)
26	MECHANICAL- SOIL AND ROCK	Soil	Particle Size Analysis (Sieving)	IS 2720(Part 4)
27	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)