National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RASTA - CENTER FOR ROAD TECHNOLOGY, VOLVO CONSTRUCTION CAMPUS, # 7, 8 & 12, PHASE-I, PEENYA INDUSTRIAL AREA, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9072 **Page No** 1 of 2

Validity 28/10/2022 to 27/10/2024 **Last Amended on** 16/11/2022

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	Coarse Aggregates	Bulk Density (Loose)	IS 2386(Part 3)
2	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk density (Compacted)	IS 2386 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
4	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve size 80mm, 63mm, 50mm, 40mm, 31.5mm, 25mm, 20mm, 16mm, 12.5mm, 10mm, 6.3mm, 4.75mm)	IS 2386 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386(Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (sieve size 10mm, 4.75mm, 2.36mm, 1.18mm, 600micron, 300micron, 150micron, 75micron)	IS 2386 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386(Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water absorption	IS 2386(Part 3)
13	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
14	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
15	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis(Wet Analysis) sieve size 4.75mm, 2.00mm, 425micron, 75micron	IS 2720 (Part 4)

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16	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis(Dry Analysis) sieve size 75mm, 40mm, 25mm, 19mm, 12.5mm, 10mm, 6.5mm, 4.75mm	IS 2720 (Part 4)
17	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
18	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction, (MDD)	IS 2720 (Part 8)
19	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
20	MECHANICAL- SOIL AND ROCK	SOIL	Light Compaction (OMC)	IS 2720 Part 7
21	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (part 5)
22	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
23	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)