National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SAMBALPUR INFRASTRUCTURE SOLUTION CENTRE PVT. LTD., TUMBESINGHA, PILAKANDEIPADA, SAMBALPUR, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10430 **Page No** 1 of 2

Validity 17/03/2022 to 16/03/2024 **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- BUILDINGS MATERIALS	Burnt Clay Bricks/ Lime Bricks	Compressive Strength	IS 3495 (Part 1, Clause 4.1.3, 4.2.3)
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Lime Bricks	Dimensions	IS 1077 (Clause 6.1)
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Lime Bricks	Water Absorption	IS 3495 (Part 2, Clause 4.1.3)
4	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Abrasion Resistance Value	IS 2386 (Part 3, Clause 5.2.5)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1, Clause 5.4)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1,Clause 4.4)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve Size Range: 4.75 mm to 80 mm)	IS 2386 (Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4, Clause 7.4.3)
10	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1, Section 1)
11	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking of Aggregates	IS 2386 (Part 3,Clause 4.3)
12	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (Sieve Size Range: 150 µm to 10 mm)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3, Clause 2.2.3)
14	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Height)	IS 15658 (Clause 6.1)
15	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Length)	IS 15658 (Clause 7.2)
16	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Width)	IS 15658 (Clause 7.2)
17	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658 (Clause 3C)
18	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 5658 (Clause D 4.0)

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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
19	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio Test	IS 2720 (Part 16, Clause 5)
20	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (ø Value)	IS 2720 (Part 13, Clause 5)
21	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test Cohesion	IS 2720 (Part 13, Clause 5)
22	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40, Clause 3)
23	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Sieve Size Range: 75 µm to 4.75 mm)	IS 2720 (Part 4, Clause 3)
24	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8, Clause 5)
25	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8, Clause 5)
26	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7, Clause 5)
27	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7, Clause 5)
28	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 (Part 5, Clause 3.4,4.4)
29	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2, Clause 5)
30	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5, Clause 7.3)
31	MECHANICAL- SOIL AND ROCK	Soil	Tri axial Test (ø Value)	IS 2720 (Part 11, Clause 5.1)
32	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (C Value)	IS 2720 (Part 11, Clause 5.1)