National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : P & A ENVO-CIVIL SOLUTIONS (DEPARTMENT OF LABORATORY SERVICES), PLOT NO. 651/1631, ANANTAPUR, PHULNAKHARA, P.S. BALIANTA, BHUBANESWAR, KHORDHA, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11137 **Page No** 1 of 3

Validity 10/11/2022 to 09/11/2024 **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	Bricks	Compressive Strength	IS 3495 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 1077
3	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 1077
4	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 1077
5	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Moisture Content	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (2.36 mm to 80 mm)	IS 2386 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 (Part 1 / Section 1)
14	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1 / Section 1)
16	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Compacted)	IS 2386 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 micron	IS 2386 (Part 1)

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19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Moisture Content	IS 2386 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (75 µm to 10 mm)	IS 2386 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	CPWD (Volume 1)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
25	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
26	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
27	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 1124
28	MECHANICAL- SOIL AND ROCK	Soil	Bulk Density	IS 2720 (Part 28 & 29)
29	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
30	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Angle of Friction)	IS 2720 (Part 13)
31	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Cohesion)	IS 2720 (Part 13)
32	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
33	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Dry Sieving, 75 mm to 75 µm)	IS 2720 (Part 4)
34	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet Sieving, 2 mm to 75 µm)	IS 2720 (Part 4)
35	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit (Casagrande)	IS 2720 (Part 5)
36	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit (Cone Penetrometer)	IS 2720 (Part 5)
37	MECHANICAL- SOIL AND ROCK	Soil	Modified Proctor Compaction (MDD)	IS 2720 (Part 8)

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38	MECHANICAL- SOIL AND ROCK	Soil	Modified Proctor Compaction (OMC)	IS 2720 (Part 8)
39	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
40	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 / Section 1 & 2)
41	MECHANICAL- SOIL AND ROCK	Soil	Standard Proctor Compaction (MDD)	IS 2720 (Part 7)
42	MECHANICAL- SOIL AND ROCK	Soil	Standard Proctor Compaction (OMC)	IS 2720 (Part 7)
43	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)