National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SUBUDHI TECHNO ENGINEERS PRIVATE LIMITED, PLOT-327/2702, OMFED BACK SIDE, CHANDRA SEKHARPUR, BHUBANESWAR, KHORDHA, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6549 **Page No** 1 of 3

Validity 18/08/2022 to 17/08/2024 **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	Bitumen	Bitumen content	IRC-SP-112
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	penetration	IS 1203
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
6	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (part-I)
7	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension Test (Breadth)	IS 1077
8	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension Test (Height)	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension Test (Length)	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (part-II)
11	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength of cement	IS 4031 (Part-6)
12	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency of Standard cement paste	IS 4031 (Part-4)
13	MECHANICAL- BUILDINGS MATERIALS	Cement	Final setting time	IS 4031 (Part-5)
14	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieve method	IS 4031 (Part-1)
15	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting time	IS 4031 (Part-5)
16	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness (Le-Chatelier method)	IS 4031 (Part-3)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (part-IV)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Crushing Strength	IS 2386 (part -IV)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value (AIV)	IS 2386 (part-IV)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness index	IS 2386 (part-I)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (part-IV)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve size Analysis(4.75 mm to 63.0 mm)	IS 2386 (part-I)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (part-III)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (part-III)
25	MECHANICAL- BUILDINGS MATERIALS	coarse aggregates	Elongation test	IS 2386 (part-1)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis(0.075mm to 10mm)	IS 2386 (part-I)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	CPWD Specification Vol-1 Clause No-(3.1.3.2)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific gravity	IS 2386 (Part-III)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (part-III)
30	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Compressive Strength of concrete	IS 516 (part-1 sec-1)
31	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Flexural strength of Concrete	IS 516 (part-1 sec-1)
32	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
33	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel for Concrete Reinforcement	Mass per metre	IS 1786
35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel for Concrete Reinforcement	Bend test	IS 1599
36	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel for concrete Reinforcement	Elongation	IS 1608 (part-1)

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37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel for Concrete Reinforcement	Tensile Test	IS 1608 (part-1)
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel for Concrete Reinforcement	Yield Stress	IS 1608 (part-1)
39	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
40	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (phi)	IS 2720 (part-13)
41	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index (FSI)	IS 2720 (part-40)
42	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (part-16)
43	MECHANICAL- SOIL AND ROCK	Soil	Direct shear Test (c)	IS 2720 (part-13)
44	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (part-4)
45	MECHANICAL- SOIL AND ROCK	soil	Heavy Compaction (MDD)	IS 2720 (part-8)
46	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (part-8)
47	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (part-7)
48	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (part-7)
49	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (part-5)
50	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (part-2)
51	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (part-5)
52	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (part-3),Section -1 & 2