National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VATSALYA CONSULTING SERVICES, PLOT NO.47 PARVATI HOUSING SOCIETY, HARSOOL, AURANGABAD, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9946 **Page No** 1 of 5

Validity 04/10/2021 to 03/10/2023 **Last Amended on** 04/03/2022

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	AAC Concrete Block	Compressive Strength	IS 6441 (Part 5)
2	MECHANICAL- BUILDINGS MATERIALS	AAC Concrete Block	Density	IS 6441 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Material Finer than 75 micron	IS 2386 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Sieve Analysis (4.75 mm to 75 µ)	IS 2386 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	10 % Fine Value	IS 2386 (Part 4)
6	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Abrasion Resistance (Los Angele's abrasion value)	IS 2386 (Part 4)
7	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Bulk Density	IS 2386 (Part 3)
8	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Crushing Value	IS 2386 (Part 4)
9	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Elongation Index	IS 2386 (Part1)
10	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Flakinees Index	IS 2386 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Impact Test	IS 2386 (Part 4)
12	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Sieve Analysis (80mm to 4.75 mm)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Specific Gravity	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Water Absorption	IS 2386 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine)	Bulk Density (Dry)	IS 2386 (Part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Aggregates (fine)	Specific Gravity	IS 2386 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine)	Water Absorption	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash and Fire Point	IS 1209

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19	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshall Stability	ASTM D: 6927
21	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burn Clay Brick & Fly Ash Brick)	Compressive Strength	IS 3495 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burn Clay Brick & Fly Ash Brick)	Water Absorption	IS 3495 (Part 2)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
25	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 4)
27	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier's Method	IS 4031 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	CLC Concrete Block	Density	IS 2185 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	CLC Concrete Block	Water Absorption	IS 2185 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
31	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Workability - Slum test	IS 1199
32	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Abrasion Resistance	IS 15658
33	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Compressive Strength	IS 15658
34	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Water Absorption	IS 15658
35	MECHANICAL- BUILDINGS MATERIALS	Solid Block	Compressive Strength	IS 2185 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Solid Block	Density	IS 2185 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Solid Block	Water Absorption	IS 2185 (Part 1)

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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
38	MECHANICAL- SOIL AND ROCK	Natural Building Stone/ Rock	Porosity	IS 1124
39	MECHANICAL- SOIL AND ROCK	Natural Building Stone/ Rock	Specific Gravity	IS 1122
40	MECHANICAL- SOIL AND ROCK	Natural Building Stone/ Rock	Unconfined Compression Strength of Rock	IS 9143
41	MECHANICAL- SOIL AND ROCK	Natural Building Stone/ Rock	Water Absorption	IS 1124
42	MECHANICAL- SOIL AND ROCK	Natural Building Stone/Rock	Point Load Index	IS 8764
43	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS 2720 (Part 16)
44	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15)
45	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test (C)	IS 2720 (part 13)
46	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (PHI)	IS 2720 (Part 13)
47	MECHANICAL- SOIL AND ROCK	Soil	Earth Resistance Test	IS 3043
48	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density by Core Cutting Method	IS 2720 (Part 28)
49	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density by Sand Replacement method	IS 2720 (Part 28)
50	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
51	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
52	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
53	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
54	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 (Part 4)
55	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
56	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)

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57	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (part 5)
58	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
59	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
60	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
61	MECHANICAL- SOIL AND ROCK	Soil	Soil Permeability	IS 2720 (Part 17)
62	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 Part 3/sec-1 & 2)
63	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
64	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression (without Pore Pressure)	IS 2720 (Part 10)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Material - Reinforced concrete structure	Rebound Hammer Test	IS 13311 part 2
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Material - Reinforced Structure	Ultrasonic Pulse Velocity Test	IS 516 (part 5/sec1)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Material -Reinforced Concrete Structure	Half Cell Potential difference test	ASTM C876