National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWATI STRUCTURE SOLUTIONS PRIVATE LIMITED, KH. NO. 7/9, GROUND FLOOR, NANGLOI JAT HARSUKH BLK PREM NAGAR, WEST DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11023 **Page No** 1 of 4

Validity 28/09/2022 to 27/09/2024 **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 Building Bricks	Dimension (Height)	IS 1077
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension (Width)	IS 1077
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions (Length)	IS 1077
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks, Pulverized Fuel Ash-Lime Bricks, Burnt Clay Fly Ash Building Bricks, Sewer Bricks,	Water Absorption	IS 3495 (Part 2)
5	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks, Pulverized Fuel Ash-Lime Bricks, Burnt Clay Fly Ash Building Bricks, Sewer Bricks,	Compressive Strength	IS 3495 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks, Pulverized Fuel Ash-Lime Bricks, Burnt Clay Fly Ash Building Bricks, Sewer Bricks,	Efflorescence	IS 3495 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimension (Height)	IS 13757
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimension (Width)	IS 13757
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimensions (Length)	IS:13757
10	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Sizes: 4.75 to 80 mm)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 percent Fines Value	IS 2386 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 1)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)

SCOPE OF ACCREDITATION

Laboratory Name : SWATI STRUCTURE SOLUTIONS PRIVATE LIMITED, KH. NO. 7/9, GROUND FLOOR, NANGLOI JAT HARSUKH BLK PREM NAGAR, WEST DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11023 **Page No** 2 of 4

Validity 28/09/2022 to 27/09/2024 **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
19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material finer than 75 Micron	IS 2386 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Organic Impurity	IS 2386 (Part 2)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (Na2SO4 & MgSO4)	IS 2386 (Part 5)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75 Micron	IS 2386 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurity	IS 2386 (Part 2)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Sizes: 0.075, 0.150, 0.300, 0.600,1.18, 2.36, 4.75, 10 mm)	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (Na2SO4 & MgSO4)	IS 2386 (Part 5)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cubes	Compressive Strength	IS 516 (Part 1/Section 1)
32	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Compressive Strength (72 hrs,168 hrs, 672 hrs)	IS 4031 (Part 6)
33	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
34	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Fineness by Blaine Air Permeability	IS 4031 (Part 2)
35	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
36	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Soundness by Autoclave	IS 4031 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : SWATI STRUCTURE SOLUTIONS PRIVATE LIMITED, KH. NO. 7/9, GROUND FLOOR, NANGLOI JAT HARSUKH BLK PREM NAGAR, WEST DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11023 **Page No** 3 of 4

Validity 28/09/2022 to 27/09/2024 **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
37	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Soundness by LeChatelier	IS 4031 (Part 3)
38	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Lime Bricks	Dimension (Height)	IS 12894
40	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Lime Bricks	Dimension (Width)	IS 12894
41	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Lime Bricks	Dimensions (Length)	IS 12894
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Elongation	IS 1608 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Mass Per Meter	IS 1786
44	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Re-Bend Test	IS 1786
45	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Tensile Strength	IS 1608 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension (Height)	IS 4885
47	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimension (Width)	IS 4885
48	MECHANICAL- BUILDINGS MATERIALS	Sewer Bricks	Dimensions (Length)	IS 4885
49	MECHANICAL- BUILDINGS MATERIALS	TMT Reinforcement Steel (rebar)	Bend Test	IS 1599
50	MECHANICAL- BUILDINGS MATERIALS	TMT Reinforcement Steel (rebar)	Yield Stress	IS 1608 (Part 1)
51	MECHANICAL- SOIL AND ROCK	Soils	California Bearing Ration (CBR Value)	IS 2720 (Part 16)
52	MECHANICAL- SOIL AND ROCK	Soils	Direct Shear Test - Cohesion Intercept	IS 2720 (Part 13)
53	MECHANICAL- SOIL AND ROCK	Soils	Direct Shear Test Angle of Internal Friction	IS 2720 (Part 13)
54	MECHANICAL- SOIL AND ROCK	Soils	Grain Size Analysis (Dry & Wet) (75 mm to 75 microns)	IS 2720 (Part 4)
55	MECHANICAL- SOIL AND ROCK	Soils	Heavy Compaction - MDD	IS 2720 (Part 8)

SCOPE OF ACCREDITATION

Laboratory Name : SWATI STRUCTURE SOLUTIONS PRIVATE LIMITED, KH. NO. 7/9, GROUND FLOOR, NANGLOI JAT HARSUKH BLK PREM NAGAR, WEST DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11023 **Page No** 4 of 4

Validity 28/09/2022 to 27/09/2024 **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
56	MECHANICAL- SOIL AND ROCK	Soils	Heavy Compaction - OMC	IS 2720 (Part 8)
57	MECHANICAL- SOIL AND ROCK	Soils	Light Compaction - MDD	IS 2720 (Part 7)
58	MECHANICAL- SOIL AND ROCK	Soils	Light Compaction - OMC	IS 2720 (Part 7)
59	MECHANICAL- SOIL AND ROCK	Soils	Liquid Limit	IS 2720 (Part 5)
60	MECHANICAL- SOIL AND ROCK	Soils	Plastic Limit	IS 2720 (Part 5)
61	MECHANICAL- SOIL AND ROCK	Soils	Shrinkage Limit	IS 2720 (Part 6)
62	MECHANICAL- SOIL AND ROCK	Soils	Specific Gravity	IS 2720 (Part 3/Section 1)
63	MECHANICAL- SOIL AND ROCK	Soils	Triaxial Compression - Angle of Internal Friction	IS 2720 (Part 11)
64	MECHANICAL- SOIL AND ROCK	Soils	Triaxial Compression - Cohesion	IS 2720 (Part 11)
65	MECHANICAL- SOIL AND ROCK	Soils	Water Content	IS 2720 (Part 2)