National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SUNTECH TESTING & CONSULTANCY, BIHARIBAG, ABU HIGHWAY ROAD, PALANPUR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5902 **Page No** 1 of 5

Validity 30/06/2022 to 29/06/2024 **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	Absolute Viscosity	IS 1206 (Part 2)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
7	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS 3495 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimensions - Height	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimensions - Length	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimensions - Width	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption	IS 3495 (Part 2)
13	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS 4031 (Part 6)
14	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Cement	Final setting time	IS 4031 (Part 5)
16	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by blaine air permeability	IS 4031 (Part–2)
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting time	IS 4031 (Part–5)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le–chatelier	IS 4031 (Part–3)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion value (by Los Angeles)	IS 2386 (Part 4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Alkali Aggregate Reactivity (By Mortar Bar Method)	IS 2386 (Part 7)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1) Cl. 04
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact value	IS 2386 (Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 125 mm)	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific gravity	IS 2386 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water absorption	IS 2386 (Part 3), Cl. no.02
27	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive strength of Concrete Cube / Core	IS 516
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Alkali Aggregate Reactivity (By Mortar Bar Method)	IS 2386 (Part 7)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (Sand)	% Finer than 75 micron	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (Sand)	Sieve Analysis (0.075 mm to 4.75 mm)	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (Sand)	Specific gravity	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (Sand)	Water Absorption	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
34	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
35	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles / Ceramic Tiles	Dimension - Length	IS 13630 (Part-1)
36	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles / Ceramic Tiles	Dimension - Thickness	IS 13630 (Part-1)
37	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles / Ceramic Tiles	Dimension - Width	IS 13630 (Part-1)

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38	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles / Ceramic Tiles	Water Absorption	IS 13630 (Part-2)
39	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Bend (Mandrel Dia. 24, 30, 32, 36, 40, 48, 60, 64, 80, 100 and 125 mm)	IS 1599
40	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation	IS 1608 (Part - 1)
41	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Mass per Meter	IS 1786
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Tensile Strength	IS 1608 (Part - 1)
43	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	TS/YS Ratio	IS 1786
44	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress	IS 1608, Part-1
45	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part–16)
46	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Angle	IS 2720 (Part–13)
47	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Cohesion	IS 2720 (Part–13)
48	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part–40)
49	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis	IS 2720, Part 4
50	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS 2720 (Part–8)
51	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 (Part–8)
52	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 (Part–7)
53	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 (Part–7)
54	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 (Part–5)
55	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 (Part–5)

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56	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part–6)
57	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity	IS 2720 (Part–3, Sec–1)

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Pavement	Deflection using Benkelman Beam Deflection	IRC 81
2	MECHANICAL- SOIL AND ROCK	Soil	Field Moisture Content	IS 2720 (Part 2)
3	MECHANICAL- SOIL AND ROCK	Soil	Dry Density by Core cutter Method	IS 2720 (Part 29)
4	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131