National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SRI SAI CONSULTANCY AND LABORATORY, H. NO. 1-30-99, PADMAVATHY NAGAR COLONY, KANAJIGUDA, TRIMULGHERRY, SECUNDERABAD, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 11/08/2022 to 10/08/2024 **Last Amended on** 28/09/2022

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	Aggregates (Coarse Aggregate)	Water Absorption	IS 2386 (Part–3)
2	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregate)	10% Fines Value	IS 2386 (Part–4)
3	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregate)	Abrasion Value by Los Angeles	IS 2386 (Part–4)
4	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregate)	Bulk Density	IS 2386 (Part–3)
5	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregate)	Crushing Value	IS 2386 (Part–4)
6	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregate)	Elongation Index	IS 2386 (Part–1)
7	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregate)	Flakiness Index	IS 2386 (Part–1)
8	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregate)	Impact Value	IS 2386 (Part–4)
9	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregate)	Sieve Analysis (4.75 - 100 mm)	IS 2386 (Part–1)
10	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregate)	Specific Gravity	IS 2386 (Part–3)
11	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregate)	Fineness Modulus	IS 2386 (Part–1)
12	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregate)	Bulk Density	IS 2386 (Part–3)
13	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregate)	Material Finer than 75µ	IS 2386 (Part–1)
14	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregate)	Sieve Analysis (75µ to 10 mm)	IS 2386 (Part–1)
15	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregate)	Specific Gravity	IS 2386 (Part–3)
16	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregate)	Water Absorption	IS 2386 (Part–3)
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration (Unit- 1/10mm)	IS 1203

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19	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
21	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mixes	Bitumen Content	ASTM D 2172
22	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Compressive Strength	IS 3495 (Part-1)
23	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Dimension (width)	IS:1077
24	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Dimension (Hight)	IS:1077
25	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Dimension (Length)	IS:1077
26	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Efflorescence	IS 3495 (Part-3)
27	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt clay)	Water Absorption	IS 3495 (Part-2)
28	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Initial Setting Time	IS 4031 (Part–5)
29	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Compressive Strength	IS 4031 (Part-6)
30	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Final Setting Time	IS 4031 (Part–5)
31	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Fineness (Blaine Air Permeability)	IS 4031 (Part–2)
32	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Soundness(Le-Chatelier Methods)	IS 4031 (Part-3)
33	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Standard Consistency	IS 4031 (Part–4)
34	MECHANICAL- BUILDINGS MATERIALS	Chequered Tile	Water Absorption	IS:13801
35	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump Test	IS 1199 Part-1
36	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Solid & Hollow)	Compressive Strength	IS:2185 Part 1 Annexure-D
37	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Solid & Hollow)	Block Density	IS:2185 Part 1 Annexure-C

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38	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Solid & Hollow)	Water Absorption	IS:2185 Part 1 Annexure-E
39	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength (Cube& Core)	IS 516
40	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion Resistance	IS: 15658 Annexure-E
41	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS: 15658 Annexure-D
42	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS: 15658 annexure-C
43	MECHANICAL- SOIL AND ROCK	Rock	Brazilian Tensile Strength	IS 10082
44	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength	IS 8764
45	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
46	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
47	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part-16)
48	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (ANGLE OF INTERNAL FRICTION)	IS 2720 (Part 13)
49	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (COHESION)	IS 2720 (Part 13)
50	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
51	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction for MDD	IS 2720 (Part-8)
52	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction for OMC	IS 2720 (Part-8)
53	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction for OMC	IS 2720 (Part-7)
54	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction for MMD	IS 2720 (Part-7)
55	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
56	MECHANICAL- SOIL AND ROCK	Soil	Particle Size Distribution (Wet Analysis-75µ to 4.75mm)	IS 2720 (Part-4)

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57	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
58	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3/Sec-1)
59	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression (ANGLE OF INTERNAL FRICTION)	IS 2720 (Part-11)
60	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression (COHESION)	IS 2720 (Part-11)
61	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part-10)
62	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)