National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SHREE SAI ENGINEERING AND TESTING LABORATORY, MAIN ENTRY DURGA COLONY, G.T. ROAD, 20TH MILE, SONIPAT, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11577 **Page No** 1 of 4

Validity 25/04/2023 to 24/04/2025 **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	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
3	CHEMICAL- BUILDING MATERIAL	Admixture	pH Value	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Water Soluble Chloride	IS 6925
6	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Alumina	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Calcium Oxide	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Chloride	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Insoluble Residue	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Iron Oxide	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Loss on Ignition	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Magnesia	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Silica	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Sulphuric Anhydride	IS 4032
15	CHEMICAL- METALS & ALLOYS	Low Carbon Steel	Carbon	IS 228 (Part 1)
16	CHEMICAL- METALS & ALLOYS	Low Carbon Steel	Phosphorus	IS 228 (Part 3)
17	CHEMICAL- METALS & ALLOYS	Low Carbon Steel	Sulphur	IS 228 (Part 9)
18	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 32)
19	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025 (Part 11)

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20	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part 21)
21	CHEMICAL- WATER	Water for Construction Purpose	Chloride	IS 3025 (Part 32)
22	CHEMICAL- WATER	Water for Construction Purpose	Inorganic Solids	IS 3025 (Part 18)
23	CHEMICAL- WATER	Water for Construction Purpose	Organic Solids	IS 3025 (Part 18)
24	CHEMICAL- WATER	Water for Construction Purpose	pH Value	IS 3025 (Part 11)
25	CHEMICAL- WATER	Water for Construction Purpose	Sulphate	IS 3025 (Part 24/Section 1)
26	CHEMICAL- WATER	Water for Construction Purpose	To Neutralize 100 ml Sample of Water, Using Mixed Indicator Against 0.02N H2SO4	IS 3025 (Part 23)
27	CHEMICAL- WATER	Water for Construction Purpose	To Neutralize 100 ml Sample of Water, Using Phenolphthalein Against 0.02 N NaOH	IS 3025 (Part 22)
28	CHEMICAL- WATER	Water for Construction Purpose	Total Suspended Solids	IS 3025 (Part 17)
29	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Bitumen Content	ASTM D2172
30	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions (Height)	IS 1077
32	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions (Length)	IS 1077
33	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions (Width)	IS 1077
34	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)

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41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact value	IS 2386 (Part 4)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm to 100mm)	IS:2386 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.150 mm to 4.75 mm)	IS 2386 (Part 1)
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
49	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
50	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength	IS 516 (Part 1/Section 1)
51	MECHANICAL- BUILDINGS MATERIALS	Inter Locking Paver Blocks	Compressive Strength	IS 15658
52	MECHANICAL- BUILDINGS MATERIALS	Inter Locking Paver Blocks	Water Absorption	IS 15658
53	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Compressive Strength	IS 4031 (Part 6)
54	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Consistency	IS 4031 (Part 4)
55	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Density	IS 4031 (Part 11)
56	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Final Setting Time	IS 4031 (Part 5)
57	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Fineness by Blaine's Air Permeability Method	IS 4031 (Part 2)
58	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Initial Setting Time	IS 4031 (Part 5)
59	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Soundness by Le-Chatelier's Method	IS 4031 (Part 3)

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60	MECHANICAL- SOIL- BASIC	Soil	California Bearing Ratio	IS 2720 (Part 16)
61	MECHANICAL- SOIL- BASIC	Soil	Free Swell Index	IS 2720 (Part 40)
62	MECHANICAL- SOIL- BASIC	Soil	Heavy Compaction (Maximum Dry Density)	IS 2720 (Part 8)
63	MECHANICAL- SOIL- BASIC	Soil	Heavy Compaction (Optimum Water Content)	IS 2720 (Part 8)
64	MECHANICAL- SOIL- BASIC	Soil	Light Compaction (Maximum Dry Density)	IS 2720 (Part 7)
65	MECHANICAL- SOIL- BASIC	Soil	Light Compaction (Optimum Water Content)	IS 2720 (Part 7)
66	MECHANICAL- SOIL- BASIC	Soil	Liquid Limit	IS 2720 (Part 5)
67	MECHANICAL- SOIL- BASIC	Soil	Plastic Limit	IS 2720 (Part 5)