National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SRI GODAVARI ENGINEERING CONSULTANTS (INDIA) PRIVATE LIMITED, 115-14-233, KONTHAMURU, EAST GODAVARI, RAJAHMUNDRY, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 21/03/2023 to 20/03/2025 **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- WATER	Water for construction purpose	0.02N H2SO4 to neutralize 100 ml sample of water, using mixed indicator	1S: 3025 (Part : 23)
2	CHEMICAL- WATER	Water for construction purpose	0.02N NaOH required to neutralize 100ml sample of water, using phenolpthalein as an indicatior	1S: 3025 (Part : 22)
3	CHEMICAL- WATER	Water for construction purpose	Chlorides as (CL)	IS : 3025 (Part : 32)
4	CHEMICAL- WATER	Water for construction purpose	InOrganic Solids	1S: 3025 (Part : 18)
5	CHEMICAL- WATER	Water for construction purpose	Organic Solids	1S: 3025 (Part : 18)
6	CHEMICAL- WATER	Water for construction purpose	pH Value	1S: 3025 (Part : 11)
7	CHEMICAL- WATER	Water for construction purpose	Sulphates as (SO3)	IS : 3025 (Part : 24)
8	CHEMICAL- WATER	Water for construction purpose	Suspended Matter	1S: 3025 (Part : 17)
9	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive strength of Cubes	1S: 516 (part-1/section-1))
10	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Block Density	IS: 6441 (Part : 1)
11	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compressive Strength	IS: 6411 (Part : 5)
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous mixes(DBM/BC/BM/SDBC)	Binder Content	IRC SP 11,clause C, appendix-5
13	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Residue on 600µm Sieve	IS : 8887
14	MECHANICAL- BUILDINGS MATERIALS	Bituminous Emulsion	Viscosity by Saybolt	is:3117
15	MECHANICAL- BUILDINGS MATERIALS	Bituminous mixes (DBM/BC/BM/SDBC)	Flow Value	ASTM D 6927
16	MECHANICAL- BUILDINGS MATERIALS	Bituminous mixes (DBM/BC/BM/SDBC)	Marshall Stability	ASTM D6927
17	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS:3495 (Part 1)
18	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS:3495 (Part 2)
19	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions (Length, Width, Height)	1S: 1077

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20	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	1S: 3495 (Part : 3)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS:4031(Part 6)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS:4031(Part 4)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS:4031(Part 5)
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS:4031(Part 5)
25	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	1S: 4031 (Part : 11)
26	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Blaine's Air Permeability Method	1S: 4031 (Part : 2)
27	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier Expansion Method	1S: 4031 (Part : 3)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines	1S: 2386 (Part : 4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	1S: 2386 (Part : 3)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Rodded)	1S: 2386 (Part : 3)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	1S: 2386 (Part : 2)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS:2386 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS:2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS:2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angels Abrasion Value	IS: 2386 (Part : 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Materials finer than 75 microns	IS:2386 (Part 1)
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (2.36 to 80 mm)	IS 2386 (Part 1)

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39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2SO4, MgSO4	1S: 2386 (Part : 5)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS:2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	1S: 2386 (Part : 3)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Rodded)	1S: 2386 (Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	1S: 2386 (Part : 2)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials finer than 75 microns	IS:2386 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.15 to 10 mm)	IS:2386 (Part 1)
47	MECHANICAL- BUILDINGS MATERIALS	FIne Aggregate	Specific Gravity	IS:2386 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS:2386 (Part 3)
49	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blain's air permeability	IS : 1727
50	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS : 1727
51	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS : 1199(part-1)
52	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive strength of Cores	1S: 516 (Part : 4)
53	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	1S: 516 (part-1/section-1))
54	MECHANICAL- BUILDINGS MATERIALS	Hollow and Solid Concrete Blocks	Compressive Strength	IS: 2185 (Part : 1)
55	MECHANICAL- BUILDINGS MATERIALS	Hollow and Solid Concrete Blocks	Dimension, length, width, thickness in mm	1S: 2185 (Part : 1)
56	MECHANICAL- BUILDINGS MATERIALS	Hollow and Solid Concrete Blocks	Water Absorption	1S: 2185 (Part : 1)
57	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS: 15658

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58	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS: 15658
59	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Elongation	IS:1608 Part 1
60	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Mass per meter	IS: 1786
61	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Tensile Strength	IS:1608 Part 1
62	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Yield Stress	IS:1608 Part 1
63	MECHANICAL- BUILDINGS MATERIALS	Viscosity grade bitumen	Absolute Viscosity @60 °C	IS : 1206 (Part : 2)
64	MECHANICAL- BUILDINGS MATERIALS	Viscosity grade bitumen	Ductility	1S: 1208
65	MECHANICAL- BUILDINGS MATERIALS	Viscosity grade bitumen	Fire Point	1S: 1209
66	MECHANICAL- BUILDINGS MATERIALS	Viscosity grade bitumen	Flash Point	1S: 1209
67	MECHANICAL- BUILDINGS MATERIALS	Viscosity grade bitumen	Kinematic Visocity @ 135 °C	IS : 1206 (Part : 3)
68	MECHANICAL- BUILDINGS MATERIALS	Viscosity grade bitumen	Penetration	IS: 1203
69	MECHANICAL- BUILDINGS MATERIALS	Viscosity grade bitumen	Softening Point	IS : 1205
70	MECHANICAL- BUILDINGS MATERIALS	Viscosity grade bitumen	Specific Gravity	1S: 1202
71	MECHANICAL- SOIL AND ROCK	Rock	Compressive Strength	IS: 9143
72	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS: 13030
73	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (angle of friction)	1S: 2720 (Part : 13)
74	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	1S: 2720 (Part : 13)
75	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS: 2720 (Part : 40)
76	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075 to 10 mm)	IS: 2720 (Part 4)

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77	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS: 2720 (Part 7)
78	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS: 2720 (Part 7)
79	MECHANICAL- SOIL AND ROCK	Soil	Water Content	1S: 2720 (Part : 2)
80	MECHANICAL- SOIL AND ROCK	Soil/ Granular Sub Base/ Wet Mix Macadam	California Bearing Ratio	IS: 2720 (Part : 16)
81	MECHANICAL- SOIL AND ROCK	Soil/ Granular Sub Base/ Wet Mix Macadam	Heavy Compaction (MDD)	1S: 2720 (Part : 8)
82	MECHANICAL- SOIL AND ROCK	Soil/ Granular Sub Base/ Wet Mix Macadam	Heavy Copmaction (OMC)	1S: 2720 (Part : 8)
83	MECHANICAL- SOIL AND ROCK	Soil/ Granular Sub Base/ Wet Mix Macadam	Liquid Limit	IS: 2720 (Part : 5)
84	MECHANICAL- SOIL AND ROCK	Soil/ Granular Sub Base/ Wet Mix Macadam	Plastic Limit	1S: 2720 (Part : 5)