National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : STRUCT GEOTECH RESEARCH LABORATORIES PRIVATE LIMITED, # 588, 2ND MAIN, 6TH BLOCK, HOSAKEREHALLI CROSS, BANASHANKARI 3RD STAGE, 2ND PHASE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/04/2022 to 11/04/2024 **Last Amended on** 04/04/2023

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	10% fines value	IS:2386-Part 4
2	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Bulk Density - Loose	IS:2386-Part 3
3	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Bulk Density - Loose	IS:2386-Part 3
4	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Crushing Value	IS:2386- Part 4
5	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Elongation Index	IS:2386- Part 1
6	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Flakiness Index	IS:2386-Part 1
7	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Impact value	IS: 2386-Part 4
8	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Sieve Analysis	IS:2386- Part 1
9	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Specific gravity	IS:2386-Part 3
10	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Water Absorption	IS:2386-Part 3
11	MECHANICAL- BUILDINGS MATERIALS	Aggregates Fine	Bulk density Loose	IS:2386-Part 3
12	MECHANICAL- BUILDINGS MATERIALS	Aggregates Fine	Bulk density Rodded	IS:2386-Part 3
13	MECHANICAL- BUILDINGS MATERIALS	Aggregates Fine	Material finer than 75 -micron	IS:2386-Part 1
14	MECHANICAL- BUILDINGS MATERIALS	Aggregates Fine	Sieve analysis	IS:2386-Part 1
15	MECHANICAL- BUILDINGS MATERIALS	Aggregates Fine	Specific gravity	IS:2386-Part 3
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash & Fire Point	IS 1209
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	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 Mix	Marshal Stability and Flow	ASTM D 6927 –
22	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Stripping value of aggregate	IS 6241
23	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks	Compressive strength	IS 3495-Part 1
24	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks	Dimension (H)	IS 1077
25	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension (W)	IS 1077
26	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks	Dimensions(L)	IS 1077
27	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks	Efflorescence	IS:3495 -Part 3
28	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks	Water Absorption	IS:3495- Part 2
29	MECHANICAL- BUILDINGS MATERIALS	Cement- - OPC, PPC, PSC	Final setting time	IS:4031 - Part 5
30	MECHANICAL- BUILDINGS MATERIALS	Cement- OPC, PPC, PSC	Compressive strength	IS:4031 -Part 6
31	MECHANICAL- BUILDINGS MATERIALS	Cement- OPC, PPC, PSC	Consistency	IS:4031-Part 4
32	MECHANICAL- BUILDINGS MATERIALS	Cement- OPC, PPC, PSC	Fineness - Dry Sieving Method	IS: 4031-Part 1
33	MECHANICAL- BUILDINGS MATERIALS	Cement- OPC, PPC, PSC	Fineness-Blaine’s air permeability method	IS: 4031-Part 2
34	MECHANICAL- BUILDINGS MATERIALS	Cement- OPC, PPC, PSC	Initial setting time	IS: 4031-Part 5
35	MECHANICAL- BUILDINGS MATERIALS	Cement- OPC, PPC, PSC	Soundness (Le-Chatelier’s method)	IS: 4031 -Part 3
36	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks Hollow / Solid	Water absorption	IS:2185
37	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks Hollow / Solid	Block Density	IS:2185 (Part 1)

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38	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks Hollow / Solid	Compressive Strength	IS:2185 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Concrete core	Compressive strength	IS:516-Part 4
40	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength	IS:516 part-1, Sec-1
41	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Tensile Strength	IS 1608 part-1
42	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Bend and Rebend Test	1786 :2008, 1599
43	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
44	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive strength of rock materials	IS 9143
45	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS: 2720-Part 16
46	MECHANICAL- SOIL AND ROCK	Soil	Consolidation	IS: 2720 (Part 15)
47	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS: 2720 Part-13
48	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Ø)	IS: 2720 -Part 13
49	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS: 2720 (Part 40)
50	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis by wet sieving analysis	IS:2720-Part 4
51	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Maximum Dry Density)	IS:2720 (Part 8)
52	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Optimum Moisture Content)	IS:2720 (Part 8)
53	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (Maximum Dry Density)	IS:2720 (Part 7)
54	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (Optimum Moisture Content)	IS:2720 (Part 7)
55	MECHANICAL- SOIL AND ROCK	Soil	Liquit Limit	IS: 2720-Part 5
56	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720 Part-5

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57	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (Ø)	IS: 2720 (Part 11)
58	MECHANICAL- SOIL AND ROCK	Soil	Triaxial test (Cohesion)	IS: 2720-Part 11
59	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength for soil	IS: 2720 (Part 10)
60	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS: 2720 (Part 2)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Carbonation Test	BS: 1881 (Part 201)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Cover meter Test	BS: 1881 (Part 204)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Crosshole Sonic Test	ASTM D-6760-08
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Deflection Measurement Data (Load Test)	IS-456:2000, IRC SP 51
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Half Cell potential Test	ASTMC-876
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	High Strain Dynamic Pile Testing	ASTM D 4945
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Low Strain Pile Integrity test	IS:14893
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Low Strain Pile Integrity Testing	ASTM D 5882
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Pile Lateral Load test	IS 2911 Part 4
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Pile Pullout Test	IS 2911 Part 4

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11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer Test	IS:13311 (Part II)
12	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Static Vertical Pile Compression Load Test	IS 2911 Part 4
13	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic Pulse Velocity Test	IS 516, Part 5, Section-1