



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**STRONG TECH ENGINEERING SERVICES AND RESEARCH
(I) PVT. LTD.**

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

PLOT NO. 30/31A, 6/1/3, KHANDOBA MAL, HILL VIEW RESIDENCY, LOHEGAON, PUNE,
MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-5114

Issue Date: 20/03/2022

Valid Until:

19/03/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity: STRONG TECH ENGINEERING SERVICES AND RESEARCH (I) PVT. LTD.

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	STRONG TECH ENGINEERING SERVICES AND RESEARCH (I) PVT. LTD., PLOT NO. 30/31A, 6/1/3, KHANDOBA MAL, HILL VIEW RESIDENCY, LOHEGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5114	Page No	1 of 8
Validity	20/03/2022 to 19/03/2024	Last Amended on	16/03/2023

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	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS 9103
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 3025 Part 11
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Cement OPC	Alumina (Al ₂ O ₃)	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement OPC	Calcium Oxide (CaO)	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement OPC	Ferric Oxide (Fe ₂ O ₃)	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement OPC	Insoluble Residue	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement OPC	Loss on Ignition	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement OPC	Magnesia (MgO)	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement OPC	Silica (SiO ₂)	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement OPC	Sulphur as SO ₃	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement PPC	Calcium Oxide (CaO)	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement PPC	Insoluble Residue	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement PPC	Loss on Ignition	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement PPC	Magnesia (MgO)	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement PPC	Silica (SiO ₂)	IS 4032



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19	CHEMICAL- BUILDING MATERIAL	Cement PPC	Sulphur as SO ₃	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate & Fine Aggregate	Organic Impurity	IS 2386 (Part 2)
21	CHEMICAL- BUILDING MATERIAL	Tiles	Acids	IS 13630 (Part 8)
22	CHEMICAL- BUILDING MATERIAL	Tiles	Alkali	IS 13630 (Part 8)
23	CHEMICAL- BUILDING MATERIAL	Tiles	House hold chemicals	IS 13630 (Part 8)
24	CHEMICAL- BUILDING MATERIAL	Tiles	Stains	IS 13630 (Part 8)
25	CHEMICAL- METALS & ALLOYS	Ferrous Material	% Carbon (Determination of carbon by volumetric method)	IS 228 (Part 1)
26	CHEMICAL- METALS & ALLOYS	Ferrous Material	% Phosphorus (Determination of Phosphorus by Volumetric Method)	IS 228 (Part 3)
27	CHEMICAL- METALS & ALLOYS	Ferrous Material	% Sulphur (Determination of sulphur by using Abrolins Apparatus)	Laboratory Develop method (Abrolins Method)
28	CHEMICAL- WATER	Water for construction purpose	Acidity-0.02 N NaOH Required to neutralize 100 ml of water	IS 3025 (Part 22)
29	CHEMICAL- WATER	Water for construction purpose	Alkalinity-0.02 N H ₂ SO ₄ Required to neutralize 100 ml of water	IS 3025 (Part 23)
30	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 (Part 32)
31	CHEMICAL- WATER	Water for construction purpose	Fixed Residue	IS 3025 (Part 18)
32	CHEMICAL- WATER	Water for construction purpose	pH Value	IS 3025 (Part 11)
33	CHEMICAL- WATER	Water for construction purpose	Sulphates	IS 3025 (Part 24)
34	CHEMICAL- WATER	Water for construction purpose	Total Dissolved solids	IS 3025 (Part 16)
35	CHEMICAL- WATER	Water for construction purpose	Total Hardness	IS 3025 (Part 21)
36	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 (Part 17)
37	CHEMICAL- WATER	Water for construction purpose	Volatile Residue	IS 3025 (Part 18)
38	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compressive Strength	IS 6441 (Part 5)
39	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dry Density	IS 6441 (Part 1)



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40	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Bulk Specific Gravity	ASTMD 2726
41	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
42	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
43	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
44	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Marshall Stability	ASTM 6927
45	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
46	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
47	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
48	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
49	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
50	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
51	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
52	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness By 90 mic. Dry Sieving	IS 4031 (Part 2)
53	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine's Air Permeability	IS 4031 (Part 2)
54	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
55	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-chatelier method	IS 4031 (Part 3)
56	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
57	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Dry loose bulk density	IS 2386 (Part 4)
58	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)



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59	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
60	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
61	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size: 0.075 mm to 63 mm)	IS 2386 (part 1)
62	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
63	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
64	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate & Fine Aggregate	Soundness by MgSO ₄	IS 2386 (Part 5)
65	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate & Fine Aggregate	Soundness by NaSO ₄	IS 2386 (Part 5)
66	MECHANICAL- BUILDINGS MATERIALS	Concrete	Accelerated cured concrete Cube test	IS 9013
67	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive strength of concrete cube	IS 516 (Part 1/ Sec. 1)
68	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural strength of Concrete Beam	IS 516 (Part 1/ Sec. 1)
69	MECHANICAL- BUILDINGS MATERIALS	Concrete Cylinder Core	Compressive Strength	IS 516 (Part 4)
70	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Dry loose bulk density	IS 2386 (Part 4)
71	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75 μ	IS 2386 (Part 1)
72	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size: 0.075 mm to 63 mm)	IS 2386 (Part 1)
73	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
74	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
75	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Compressive strength	IS 1727
76	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Final Setting Time (min)	IS 1727
77	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by by Blaine's permeability	IS 1727



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78	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Initial Setting Time (min)	IS 1727
79	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Le Chatelier Method	IS 1727
80	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727
81	MECHANICAL- BUILDINGS MATERIALS	Fly ash & Burnt clay	Dimension - Width	IS 1077 (1992) & IS 12894
82	MECHANICAL- BUILDINGS MATERIALS	Fly ash and Burnt clay	Water Absorption	IS 3495 (Part-2)
83	MECHANICAL- BUILDINGS MATERIALS	Fly ash and Burnt clay	Compressive Strength	IS 3495 (Part-1)
84	MECHANICAL- BUILDINGS MATERIALS	Fly ash and Burnt clay	Dimension - Height	IS 1077, IS 12894
85	MECHANICAL- BUILDINGS MATERIALS	Fly ash and Burnt clay	Dimension - Length	IS 1077, IS 12894
86	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Compressive Strength	IS 15658
87	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Water Absorption	IS 15658
88	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar) up to 40mm diameter	0.2% Proof Stress	IS 1608 (Part 1)
89	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar) up to 40mm diameter	Bend Test	IS 1599
90	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar) up to 40mm diameter	Re-bend Test	IS 1786
91	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar) up to 40mm diameter	Ultimate Tensile strength	IS 1608 (Part 1)
92	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar) up to 40mm diameter	Weight per meter	IS 1786
93	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar) up to 40mm diameter	Yield Strength	IS 1608 (Part 1)
94	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar) upto 40mm diameter	% Elongation	IS 1608 (Part 1)
95	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel bars and wires for concrete reinforcement -upto 25mm Diameter	% Elongation	IS 1608 (Part 1)



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96	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel bars and wires for concrete reinforcement -upto 25mm Diameter	0.2% Proof Stress	IS 1608 (Part 1)
97	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel bars and wires for concrete reinforcement -upto 25mm Diameter	Bend Test	IS 1599
98	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel bars and wires for concrete reinforcement -upto 25mm Diameter	Re-bend Test	IS 1786
99	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel bars and wires for concrete reinforcement -upto 25mm Diameter	Ultimate Tensile strength	IS 1608 (Part 1)
100	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel bars and wires for concrete reinforcement -upto 25mm Diameter	Weight per meter	IS 1786
101	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel bars and wires for concrete reinforcement -upto 25mm Diameter	Yield Strength	IS 1608 (Part 1)
102	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Porosity	IS 1124
103	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Specific Gravity	IS 1122
104	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS 1124
105	MECHANICAL- SOIL AND ROCK	Natural Building Stones / Rock	Unconfined Compressive Strength	IS 9143
106	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
107	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
108	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis	IS 2720 (Part 4)
109	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction	IS 2720 (Part 8)
110	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction	IS 2720 (Part 7)
111	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
112	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)



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113	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
114	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/ sec- 1& 2)
115	MECHANICAL- SOIL AND ROCK	Soil & Rock	Safe Bearing Capacity and Modulus of sub-grade reaction by Plate load test	IS 1888
116	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete structures	Rebound Hammer test	IS 516 (Part 5/ Sec. 4)
117	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete structures	Ultrasonic Pulse Velocity	IS 516 (Part 5/ Sec.1)



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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density By Core Cutting method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density By Sand Replacement method	IS 2720 (Part 28)