



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**HITECH CONCRETE SOLUTIONS CHENNAI PRIVATE
LIMITED**

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

NO.64, GALAXY ROAD, PONNIYAMMAN NAGAR, AYANAMBAKKAM, THIRUVALLUR, CHENNAI,
TAMIL NADU, INDIA

in the field of

TESTING

Certificate Number: TC-5814

Issue Date: 31/05/2026

Valid Until: 30/05/2030

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 Entity: HITECH CONCRETE SOLUTIONS CHENNAI PRIVATE LIMITED

Signed for and on behalf of NABL



Anuja Anand
Director

Dr. Ramanand N. Shukla
Chief Executive Officer



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Laboratory Name :

HITECH CONCRETE SOLUTIONS CHENNAI PRIVATE LIMITED, NO.64,
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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 Testing				
1	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Chloride	IS 14959 PART 2
2	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
3	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS 6925
4	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content (DMC)	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC - 33, OPC - 43, OPC - 53, SRC)	Chloride	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement PPC	Chloride	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement PPC	Insoluble Residue	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement PPC	Magnesia	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement PPC	Total loss on Ignition	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement PPC	Total sulphur content calculated as Sulphuric Anhydride (SO ₃)	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement(OPC 33, OPC 43, OPC 53, SRC)	Calcium Oxide	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement(OPC 33, OPC 43, OPC 53, SRC)	Combined Oxides - Al ₂ O ₃	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement(OPC 33, OPC 43, OPC 53, SRC)	Combined Oxides - Fe ₂ O ₃	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement(OPC 33, OPC 43, OPC 53, SRC)	Insoluble Residue	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement(OPC 33, OPC 43, OPC 53, SRC)	Loss on Ignition	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement(OPC 33, OPC 43, OPC 53, SRC)	Magnesia (MgO)	IS 4032
19	CHEMICAL- BUILDING MATERIAL	Cement(OPC 33, OPC 43, OPC 53, SRC)	Silica	IS 4032



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20	CHEMICAL- BUILDING MATERIAL	Cement(OPC 33, OPC 43, OPC 53, SRC)	Sulphuric Anhydride	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Chloride	IS 14959 : Part 2
22	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Sulphate (SO ₃)	IS 2317
23	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Sulphates (SO ₃)	IS 2317
24	CHEMICAL- BUILDING MATERIAL	Fly ash	Alumina	IS 1727
25	CHEMICAL- BUILDING MATERIAL	Fly ash	Calcium Oxide	IS 1727
26	CHEMICAL- BUILDING MATERIAL	Fly ash	Chloride	IS 4032
27	CHEMICAL- BUILDING MATERIAL	Fly ash	Ferric Oxide	IS 1727
28	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on ignition	IS 1727
29	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesia	IS:1727
30	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica (SiO ₂)	IS 1727
31	CHEMICAL- BUILDING MATERIAL	Fly ash	Total Sulphur as Sulphur trioxide as SO ₃	IS:1727
32	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Alumina	IS 4032
33	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Calcium Oxide	IS 4032
34	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Ferric oxide	IS 4032
35	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Insoluble Residue	IS 4032
36	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Loss on Ignition	IS 4032
37	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Magnesium Oxide (MgO)	IS 4032
38	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Silica	IS 4032
39	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Sulphate as SO ₃	IS 4032



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40	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag (GGBS)	Chloride	IS 4032
41	CHEMICAL- BUILDING MATERIAL	Hardened Concrete and Mortar	Chloride	IS 14959 (Part 2)
42	CHEMICAL- BUILDING MATERIAL	Hardened Concrete and Mortar	pH	BS 1377 Part 3
43	CHEMICAL- BUILDING MATERIAL	Hardened Concrete and Mortar	Sulphate (SO ₃)	IS 2317
44	CHEMICAL- METALS & ALLOYS	Steel Reinforcement	Carbon	IS 8811
45	CHEMICAL- METALS & ALLOYS	Steel Reinforcement	Phosphorus	IS 8811
46	CHEMICAL- METALS & ALLOYS	Steel Reinforcement	Sulphur	IS 8811
47	CHEMICAL- WATER	Water for construction purpose	Acidity - Quantity of 0.02 NaOH required to neutralize 100 ml of water sample	IS 3025 - Part 22
48	CHEMICAL- WATER	Water for construction purpose	Alkalinity - Quantity of 0.02 H ₂ SO ₄ required to neutralize 100ml of water sample	IS 3025 - Part 23
49	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 : Part 32
50	CHEMICAL- WATER	Water for construction purpose	Inorganic solid	IS 3025 : Part 18
51	CHEMICAL- WATER	Water for construction purpose	Organic solid	IS 3025 : Part 18
52	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 : Part 11
53	CHEMICAL- WATER	Water for construction purpose	Sulphates	IS 3025 : Part 24 : Sec 1
54	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solid (TSS)	IS 3025 : Part 17
55	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Flyash Bricks / Flyash Lime Bricks	Compressive Strength	IS:3495 (Part 1)
56	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Flyash Bricks / Flyash Lime Bricks	Efflorescence	IS:3495 (Part 3)-
57	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Flyash Bricks / Flyash Lime Bricks	Water Absorption	IS:3495 (Part 2)
58	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Compressive Strength	IS:4031 : Part 6
59	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Density	IS:4031 : Part 11
60	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Fineness by Blain's air permeability	IS:4031 : Part 2
61	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Initial Setting Time	IS:4031 : Part 5

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62	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Normal Consistency	IS:4031 : Part 4
63	MECHANICAL- BUILDINGS MATERIALS	Cement - OPC/PPC/Slag	Soundness By LeChattelier Method	IS:4031 : Part 3
64	MECHANICAL- BUILDINGS MATERIALS	Cement -OPC/PPC/Slag	Final Setting Time	IS:4031 : Part 5
65	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density Loose	IS:2386 : Part 3 : Clause 3.0
66	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density Rodded	IS 2386 Part 3 Clause 3.0
67	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS:2386 : Part 4 : Clause 2.0
68	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS:2386 : Part 1 : Clause 5
69	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS:2386 : Part 1 : Clause 4.0
70	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS:2386 : Part 4 : Clause 4.0
71	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve size 40 to 4.75 mm)	IS:2386:Part 1:Clause 2.0
72	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate	IS : 2386 : Part 5
73	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 : Part 3 : Clause 2
74	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Ten Percent Fines Value	IS 2386 : Part 4 : Clause 3.0
75	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water absorption	IS:2386 : Part 3 : Clause 2.0
76	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Dimension (Height)	IS : 1077
77	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Dimension (Length)	IS : 1077
78	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Dimension (Width)	IS : 1077
79	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS : 15658
80	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension (Height)	IS : 15658
81	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension (Length)	IS : 15658



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82	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Dimension (Width)	IS : 15658
83	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS :15658
84	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	IS:2386 : Part 3 : Clause 3.0
85	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Rodded)	IS 2386 Part 3 Clause 3.0
86	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Fine Aggregate	IS : 2386: Part 3
87	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials Finer than 75µ IS Sieve	IS:2386: Part 1
88	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve size: 10mm to 150µ)	IS:2386:Part 1
89	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate	IS : 2386 : Part 5
90	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS:2386 : Part 3
91	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water absorption	IS:2386 : Part 3
92	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Compressive Strength	IS:1727
93	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Consistency	IS:1727
94	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Final Setting Time	IS:1727
95	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Initial Setting Time	IS:1727
96	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Passing by 45micron sieve	IS:1727
97	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness - By Le Chatelier Method	IS:1727
98	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS:1727
99	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Surface by Blain's air permeability	IS:1727
100	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	L Box Test	IS 1199 Part 6 : Section 3
101	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Sieve Segregation Resistance Test	IS 1199 Part 6 : Section 4



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102	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Cone Test	IS 1199 Part 2 : Clause 4.3
103	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump- Flow Test	IS 1199 Part 6 : Section 1
104	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	V - Funnel Test	IS 1199 Part 6 : Section 2
105	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag (GGBS)	Compressive Strength	IS 4031 Part 6
106	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag (GGBS)	Final Setting Time	IS 4031 Part 5
107	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag (GGBS)	Initial Setting Time	IS 4031 Part 5
108	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag (GGBS)	Normal Consistency	IS 4031 Part 4
109	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag (GGBS)	Soundness by Le Chatelier Method	IS 4031 Part 3
110	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag (GGBS)	Specific Gravity	IS 4031 Part 11
111	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag (GGBS)	Specific Surface by Blain's Air Permeability	IS 4031 Part 2
112	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Accelerated Compressive Strength by Boiling Water Method	IS:9013
113	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Cube	IS:516:Part 1:Sec 1
114	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Concrete Cores	IS 516 : Part 4
115	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	IS:516: Part 1: Sec-1
116	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Rapid Chloride ion penetration Test	ASTM C1202
117	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Water Permeability Test	IS 516 : Part 2 : Sec 1
118	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS:2185 : Part 1
119	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Height)	IS:2185 : Part 1
120	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Length)	IS:2185 : Part 1
121	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Width)	IS:2185 : Part 1

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122	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS:2185 : Part 1
123	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement	% of elongation	IS: 1608 – Part1
124	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement	0.2% proof stress	IS : 1608 – Part1
125	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement	Bend Test	IS : 1599
126	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement	Mass per meter	IS : 1786
127	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement	Re-Bend Test	IS : 1786
128	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement	Ultimate Tensile Strength	IS 1608 – Part1
129	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Carbonation Test	IS 516 : Part 5 : Sec 3 :
130	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Cover Meter Test	BS 1881 - Part 204
131	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity Test	IS 516 : Part 5 : Sec 1 :
132	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	REINFORCED CONCRETE STRUCTURES (Deep Foundation)	Pile Integrity Test (PIT)	ASTM D5882 (Withdrawn)
133	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell Potential Test	IS 516 : Part 5 : Sec 2 :
134	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete structures	Rebound Hammer	IS 516 : Part 5 : Sec 4 :



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Site Testing				
1	CHEMICAL- BUILDING MATERIAL	Hardened Concrete and Mortar	pH	BS 1377 Part 3
2	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Fine Aggregate	IS : 2386: Part 3
3	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Carbonation Test	IS 516 : Part 5 : Sec 3 :
4	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Cover Meter Test	BS 1881 - Part 204
5	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity Test	IS 516 : Part 5 : Sec 1 :
6	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	REINFORCED CONCRETE STRUCTURES (Deep Foundation)	Pile Integrity Test (PIT)	ASTM D5882 (Withdrawn)
7	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell Potential Test	IS 516 : Part 5 : Sec 2 :
8	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced concrete structures	Rebound Hammer	IS 516 : Part 5 : Sec 4 :