



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

STANDARDTEC ENGINEERS INDIA 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 13, SY NO 673/1 & 674, SHANTHI NAGAR, UPPAL, HYDERABAD, MEDCHAL MALKAJGIRI,
TELANGANA, INDIA

in the field of

TESTING

Certificate Number: TC-6475

Issue Date: 16/06/2024

Valid Until:

15/06/2026

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: STANDARDTEC ENGINEERS INDIA PRIVATE LIMITED

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 : STANDARDTEC ENGINEERS INDIA PVT. LTD., PLOT NO 13, SY NO 673/1 & 674, SHANTHI NAGAR, UPPAL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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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	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Alkali Aggregate Reactivity- Dissolved Silica	IS 2386 Part 7
7	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Alkali Aggregate Reactivity- Reduction in Alkalinity	IS 2386 Part 7
8	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Chloride Content	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Clay Lumps	IS 2720 Part 2
10	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Light Weight Pieces	IS 2386 Part 2
11	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Organic Impurities	IS 2386 Part 2
12	CHEMICAL- BUILDING MATERIAL	Coarse & Fine Aggregate	Sulphates	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Soft Particles	IS 2386 Part 2
14	CHEMICAL- BUILDING MATERIAL	Fly Ash	Alumina (Al ₂ O ₃)	IS 1727
15	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkalies - Potassium Oxide (K ₂ O)	IS 3812 Part 1
16	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkalies - Sodium Oxide (Na ₂ O)	IS 3812 Part 1
17	CHEMICAL- BUILDING MATERIAL	Fly Ash	CaO Content	IS 1727
18	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride Content	IS 4032
19	CHEMICAL- BUILDING MATERIAL	Fly Ash	Iron Oxide (Fe ₂ O ₃)	IS 1727



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20	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS 1727
21	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia (MgO)	IS 1727
22	CHEMICAL- BUILDING MATERIAL	Fly Ash	Reactive Silica	IS 3812 Part 1
23	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica Content (SiO ₂)	IS 1727
24	CHEMICAL- BUILDING MATERIAL	Fly Ash	SiO ₂ + Al ₂ O ₃ + Fe ₂ O ₃	IS 1727
25	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride (SO ₃)	IS 1727
26	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Loss on Ignition	IS 4032
27	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Sulphates SO ₃	IS 4032
28	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag/ Ultrafine Ground Granulated Blast Furnace Slag	Alumina (Al ₂ O ₃)	IS 4032
29	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag/ Ultrafine Ground Granulated Blast Furnace Slag	Chlorides	IS 4032
30	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag/ Ultrafine Ground Granulated Blast Furnace Slag	Insoluble Residue	IS 4032
31	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag/ Ultrafine Ground Granulated Blast Furnace Slag	Iron Oxide (Fe ₂ O ₃)	IS 4032
32	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag/ Ultrafine Ground Granulated Blast Furnace Slag	Lime (CaO)	IS 4032
33	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag/ Ultrafine Ground Granulated Blast Furnace Slag	Magnesia (MgO)	IS 4032
34	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag/ Ultrafine Ground Granulated Blast Furnace Slag	Manganese Oxide (MnO)	IS 4032
35	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag/ Ultrafine Ground Granulated Blast Furnace Slag	Silica Content (SiO ₂)	IS 4032
36	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag/ Ultrafine Ground Granulated Blast Furnace Slag	Sulphide Sulphur	IS 4032
37	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement (OPC)	CaO Content	IS 4032
38	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement (OPC)	Combined Oxides Al ₂ O ₃	IS 4032
39	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement (OPC)	Silica Content as SiO ₂	IS 4032



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40	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement (OPC/PPC)	Alkalies Na ₂ O	IS 4032
41	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement (OPC/PPC)	Alkalies- Potassium Oxide (K ₂ O)	IS 4032
42	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement (OPC/PPC)	Chloride Content	IS 4032
43	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement (OPC/PPC)	Insoluble Residue	IS 4032
44	CHEMICAL- BUILDING MATERIAL	Hydraulic cement (OPC/PPC)	Loss on Ignition	IS 4032
45	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement (OPC/PPC)	Magnesia MgO	IS 4032
46	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement (OPC/PPC)	Sulphuric Anhydride SO ₃	IS 4032
47	CHEMICAL- BUILDING MATERIAL	Hydraulic Cement(OPC)	Combined Oxides Fe ₂ O ₃	IS 4032
48	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811
49	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	IS 8811
50	CHEMICAL- METALS & ALLOYS	Low alloy steel	Sulphur	IS 8811
51	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 Part 22
52	CHEMICAL- SOIL AND ROCK	Soil	pH Value	IS 2720 Part 26
53	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphates	IS 2720 Part 27
54	CHEMICAL- WATER	Water for construction purpose	Acidity Test(Volume of 0.02 N NaOH to neutralize 100 ml of sample)	IS 3025 Part 22
55	CHEMICAL- WATER	Water for construction purpose	Alkalinity Test(Volume of 0.02 N H ₂ SO ₄ to neutralize 100 ml of sample)	IS 3025 Part 23
56	CHEMICAL- WATER	Water for construction purpose	Chloride Content as Cl	IS 3025 Part 32
57	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids (Fixed Residue)	IS 3025 Part 18
58	CHEMICAL- WATER	Water for construction purpose	Organic Solids (Volatile Residue)	IS 3025 Part 18
59	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 Part 11



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60	CHEMICAL- WATER	Water for construction purpose	Sulphates as SO ₃	IS 3025 Part 24
61	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 Part 17
62	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity @ 60 Deg C	IS 1206 Part 2
63	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity @ 135 Deg C	IS 1206 Part 3
64	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point (R&B)	IS 1205
65	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Evaporation	IS 8887
66	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Bitumen Emulsion	Ductility	IS 1208 Part 1
67	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Bitumen Emulsion	Penetration @ 25 Deg C	IS 1203
68	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Bitumen Emulsion	Solubility in Trichloroethylene	IS 1216
69	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D 6927
70	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927
71	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks	Dimensions (Height)	IS 1077
72	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks	Dimensions (Length)	IS 1077
73	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks	Dimensions (Width)	IS 1077
74	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks / Flyash Bricks / Flyash Lime Bricks	Compressive Strength	IS 3495 (Part 1)
75	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks / Flyash Bricks / Flyash Lime Bricks	Water Absorption	IS 3495 (Part 2)
76	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 Part 6
77	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 Part 4
78	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 Part 11
79	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 Part 5



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80	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness-Specific Surface area by Blaine Air Permeability Method	IS 4031 Part 2
81	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 Part 5
82	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier Method	IS 4031 Part 3
83	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value.	IS 2386 (Part 4)
84	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
85	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
86	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
87	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness index	IS 2386 (Part 1)
88	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
89	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm to 80 mm) [2.36mm,4.75mm,10 mm, 12.50 mm,16.00 mm,20 mm,40mm,63 mm,80mm].	IS 2386 (Part 1)
90	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (By Mgso4)	IS 2386 Part 5
91	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (by Na2SO4)	IS 2386 (Part 5)
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241
94	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
95	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Compacted)	IS 2386 Part 3
96	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS 15658
97	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS 15658
98	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Compacted)	IS 2386 Part 3



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99	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
100	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 microns	IS 2386 (Part 1)
101	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis(0.075mm to 4.75mm), [10mm, 4.75mm, 2.36mm,1.18mm, 600microns, 300microns, 150microns]	IS 2386 (Part 1)
102	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (By MgSO4)	IS 2386 (Part 5)
103	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (by Na2SO4)	IS 2386 (Part 5)
104	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
105	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
106	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
107	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness-Specific Surface area by Blaine's Permeability Method	IS 1727
108	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
109	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particles Retained on 45 micron IS Sieve	IS 1727
110	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave Test	IS 1727
111	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Fineness by Blaine's Air Permeability Method	IS 4031 Part 2
112	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Slag Activity Index	IS 4031 Part 6
113	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Core)	Compressive Strength	IS 516 Part 4
114	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Cube)	Accelerated Cured Compressive Strength	IS 9013
115	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Cube)	Compressive Strength	IS 516 Part 1 Section 1
116	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid concrete Block	Compressive Strength	IS 2185 (Part 1)
117	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Diameter	IS 14268



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118	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Difference in Diameter of Centre Wire & Surrounding Wire	IS 14268
119	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Elongation	IS 14268
120	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Lay Length	IS 14268
121	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Nominal Area	IS 14268
122	MECHANICAL- BUILDINGS MATERIALS	Prestressing Strands H.T Strands /LRPC Strands	Nominal Mass	IS 14268
123	MECHANICAL- BUILDINGS MATERIALS	Reinforcement	Bend Test [Mandrel dia:16mm, 20mm, 24mm, 30mm, 32mm, 36mm, 40mm, 48mm, 50mm, 60mm, 64mm,75mm, 80mm, 100mm, 125mm, 128mm, 140mm, 150mm, 160mm, 175mm, 192mm, 240mm, 280mm & 320mm].	IS 1599
124	MECHANICAL- BUILDINGS MATERIALS	Reinforcement	Elongation	IS 1608 Part 1
125	MECHANICAL- BUILDINGS MATERIALS	Reinforcement	Ultimate Tensile Strength	IS 1608 Part 1
126	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Mass Per Meter	IS 1786
127	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Re-Bend Test [Mandrel dia: 16mm, 20mm, 24mm, 30mm, 32mm, 36mm, 40mm, 48mm, 50mm, 60mm, 64mm,75mm, 80mm, 100mm, 125mm, 128mm, 140mm, 150mm, 160mm, 175mm, 192mm, 240mm, 280mm & 320mm]	IS 1786
128	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress	IS 1608 Part 1
129	MECHANICAL- BUILDINGS MATERIALS	Solid concrete Block	Water Absorption	IS 2185 (Part 1)
130	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
131	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
132	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Angle of Shearing Resistance	IS 2720 (Part 13)



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133	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS 2720 (Part 13)
134	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
135	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075 mm to 80mm)	IS 2720 (Part 4)
136	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Casagrade Apparatus	IS 2720 (Part 5)
137	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
138	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 / Sec 1)
139	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
140	MECHANICAL- SOIL AND ROCK	Soil / Granular Sub Base / Wet Mix Macadam	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
141	MECHANICAL- SOIL AND ROCK	Soil / Granular Sub Base / Wet Mix Macadam	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8)
142	MECHANICAL- SOIL AND ROCK	Soil / Granular Sub Base / Wet Mix Macadam	Light Compaction - Maximum Dry Density	IS 2720 (Part 7)
143	MECHANICAL- SOIL AND ROCK	Soil / Granular Sub Base / Wet Mix Macadam	Light Compaction - Optimum Moisture Content	IS 2720 (Part 7)
144	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	California bearing ratio	IS 2720 Part 16
145	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 Part 5 Section 1



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Site Testing				
1	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Carbonation depth	IS 516 Part 5 Section 3
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Cover Meter	BS 1881 (Part 204)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Half-Cell Potential Difference Test	IS 516 Part 5 Sec 2
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer Test	IS 516 Part 5 Section 4
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 Part 5 Section 1