



Scope of Accreditation for Testing

As per ISO/IEC 17025:2017

CAB Name: Make Infracon

Page No. 1 of 7

Address: Plot No. E24/44, MIDC Chikalthana, Chhatrapati
Sambhaji Nager- 431006, Maharashtra

Certificate No.: T-0014

Issue date: 24.06.2025

Validity : 23.06.2029

Amendment date: N/A

Sr. No.	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Standard specifications/ Equipment/Techniques used	Range of measurement	Facility
Chemical Testing - Building Material					
1	Coarse Aggregates	Soundness by Magnesium Sulphate (MgSo4)	IS 2386 (Part 5)	1 % - 30 %	Permanent
2	Coarse Aggregates	Soundness by Sodium Sulphate (Na2So4)	IS 2386 (Part 5)	1 % - 30 %	Permanent
3	Fine Aggregates	Soundness by Magnesium Sulphate (MgSo4)	IS 2386 (Part 5)	0.1 % to 10%	Permanent
4	Fine Aggregates	Soundness by Sodium Sulphate (Na2So4)	IS 2386 (Part 5)	0.1 % to 10%	Permanent
Mechanical - Building, Infrastructure & Construction Materials					
5	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 01)	2 MPa to 35 MPa	Permanent
6	Burnt Clay Bricks	Dimension (Thickness)	IS 1077	1000 mm to 2500 mm	Permanent
7	Burnt Clay Bricks	Dimensions (Length)	IS 1077	4000 mm to 5000 mm	Permanent
8	Burnt Clay Bricks	Dimensions (Width)	IS 1077	1500 mm to 2300 mm	Permanent
9	Burnt Clay bricks	Water Absorption	IS 3495 (Part 02)	1 % to 30 %	Permanent
10	Cement :OPC33, 43, 53 Grades /PPC/PSC /white cement	Fineness by Dry Sieving	IS 4031 (Part 01)	1 % to 10 %	Permanent
11	Cement :OPC33, 43, 53 Grades /PPC/PSC /white cement	Consistency	IS 4031 (Part 4)	20% to 40%	Permanent
12	Cement :OPC33, 43, 53 Grades	Soundness by Le-Chatelier's method	IS 4031 (Part 3)	0.2 mm to 10 mm	Permanent

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Page No. 2 of 7

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	/PPC/PSC /white cement				
13	Cement Concrete Tiles	Dimensions-Thickness	IS 1237	10mm to 25mm	Permanent
14	Cement Concrete Tiles	Flatness of Tile Surface	IS 1237	0.1mm to 5mm	Permanent
15	Cement Concrete Tiles	Perpendicularity	IS 1237	0.01% to 2%	Permanent
16	Cement Concrete Tiles	Straightness	IS 1237	0.01% to 2%	Permanent
17	Cement Concrete Tiles	Water Absorption-WA	IS 1237	1% to 20%	Permanent
18	Coarse Aggregate	Bulk Density	IS 2386 (Part 03)	1 kg/l to 3 kg/l	Permanent
19	Coarse Aggregate	Crushing Value	IS2386 (part 04)	1% to 50 %	Permanent
20	Coarse Aggregate	Elongation Index	IS 2386 (Part 01)	1 % to 50 %	Permanent
21	Coarse Aggregate	Flakiness Index	IS 2386 (Part 01)	1 % to 60 %	Permanent
22	Coarse Aggregate	Impact Value	IS 2386 (part 04)	1 % to 40 %	Permanent
23	Coarse Aggregate	Gradation	IS 2386 (Part 01)	up to 100 %	Permanent
24	Coarse Aggregate	Specific Gravity	IS 2386 (Part 03)	1.5 to 3.2	Permanent
25	Coarse Aggregate	Water Absorption	IS 2386 (Part 03)	0.1 % to 10 %	Permanent
26	Coarse Aggregate	10 % Fine value	IS 2386 (Part 04)	5 Ton to 50 Ton	Permanent
27	Concrete Core	Compressive strength of Concrete Cores	IS 516 (Part 04)	5 N/mm ² to 70 N/mm ²	Permanent
28	Concrete Kerb	Height of Kerb	IS 5758	150mm to 450mm	Permanent

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As per ISO/IEC 17025:2017

CAB Name: Make Infracon

Page No. 3 of 7

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Sr. No.	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Standard specifications/ Equipment/Techniques used	Range of measurement	Facility
29	Concrete Kerb	Thickness of Kerb	IS 5758	100mm to 165mm	Permanent
30	Concrete Kerb	Water Absorption	IS 5758	0.5% to 6%	Permanent
31	Fine Aggregate (river sand, Manufactured Sand, Crush sand)	Bulk Density	IS 2386 (Part 3)	1 kg/l to 3 kg/l	Permanent
32	Fine Aggregate (river sand, Manufactured Sand, Crush sand)	Material Finer than 75 micron	IS 2386 (Part 1)	1 % to 30%	Permanent
33	Fine Aggregate (river sand, Manufactured Sand, Crush sand)	Gradation of fine aggregate	IS 2386 (Part 1)	up to 100 %	Permanent
34	Fine Aggregate (river sand, Manufactured Sand, Crush sand)	Specific Gravity	IS 2386 (Part 3)	1.5 to 3	Permanent
35	Fine Aggregate (river sand, Manufactured Sand, Crush sand)	Water Absorption	IS 2386 (Part 03)	0.1 % to 10%	Permanent
36	Fine Aggregates	Clay Lumps	IS 2386 (Part 2)	0.1 % to 2%	Permanent
37	Fresh Concrete Mix	Slump Test	IS 1199 (Part 2)	up to to 300 mm	Permanent
38	GSB MIX	Gradation of GSB mix	IS 2386 (Part 01)	up to 100 %	Permanent
39	GSB MIX	Aggregate Impact Value	IS 2386 (Part 04)	1% to 35%	Permanent
40	GSB MIX	Water Absorption	IS 2386 (Part 3)	0.1 % to 5 %	Permanent

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Scope of Accreditation for Testing

As per ISO/IEC 17025:2017

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Page No. 4 of 7

Address: Plot No. E24/44, MIDC Chikalthana, Chhatrapati
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41	GSB MIX	California Bearing Ratio (CBR)	IS 2720 (Part 16)	up to 60%	Permanent
42	GSB MIX	Liquid Limit	IS 2720 (Part 05)	15 % to 80 %	Permanent
43	GSB MIX	Heavy Compaction - MDD	IS 2720 (Part 08)	1 g/cc to 3 g/cc	Permanent
44	GSB MIX	Heavy Compaction - OMC	IS 2720 (Part 08)	5 % to 30 %	Permanent
45	GSB MIX	Free Swell Index	IS 2720 (Part 40)	up to 50 %	Permanent
46	GSB MIX (Embankment construction)	Bulk Density	IS 2386 (Part 03)	1 kg/l to 3 kg/l	Permanent
47	Hardened Concrete	Compressive Strength	IS 516 (Part 01) (section 01)	5 MPa to 70 MPa	Permanent
48	Hardened Concrete	Density	IS 516 (Part 02) (section 01)	2.4 g/cc to 2.7 g/cc	Permanent
49	Hardened Concrete	Flexural Strength	IS 516 (Part 01) (section 01)	1 N/mm ² to 7 N/mm ²	Permanent
50	Manhole Cover	Dimension Test (Circular) Dia	IS 12592	370mm to 600mm	Permanent
51	Murum	Gradation	IS 2720 (Part 04)	up to 100 %	Permanent
52	Natural Building Stone	Specific Gravity	IS 1124	2.5 to 3.5	Permanent
53	Natural Building Stone	True Specific Gravity	IS 1122	2.5 to 3.5	Permanent
54	Natural Building Stone and Rock	Porosity	IS 1124	1 % to 30 %	Permanent
55	Natural Building Stone and Rock	Water Absorption	IS 1124	up to 5 %	Permanent
56	Paving Block	Dimension : Length	IS 15658	100 mm to 300 mm	Permanent
57	Paving Block	Dimension : Thickness	IS 15658	25 mm to 100 mm	Permanent

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Page No. 5 of 7

Address: Plot No. E24/44, MIDC Chikalthana, Chhatrapati
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58	Paving Block	Dimension : Width	IS 15658	100 mm to 300 mm	Permanent
59	Paving Block	Plane area of paving block	IS 15658	20000 mm ² to 60000 mm ²	Permanent
60	Paving Block	Thickness of wearing layer	IS 15658	1 mm to 12 mm	Permanent
61	Paving Block	Corrected Compressive strength	IS 15658	10 N/mm ² to 55 N/mm ²	Permanent
62	Paving Block	Water Absorption	IS 15658	1 % to 10 %	Permanent
63	PVC Pipe	Dimension	IS 12235 (Part 1)	25mm to 125mm	Permanent
Mechanical - Rock Basic					
64	Rock	Dry Density	IS 13030	2 g/cc to 3.5 g/cc	Permanent
65	Rock	Specific Gravity	IS 13030	2 to 3.5	Permanent
66	Rock	Unconfined Compressive Strength of Rock	IS 9143	5 N/mm ² to 100 N/mm ²	Permanent
67	Rock	Water Content	IS 13030	up to 30%	Permanent
68	Rock	Wet Density	IS 13030	2.5 g/cc to 4.5 g/cc	Permanent
Mechanical - Soil Basic					
69	Soil / Granular Material	California Bearing Ratio (CBR) (GSB,WMM,CTSB,RAP, Blanket)	IS 2720 (Part 16)	up to 60%	Permanent
70	Soil / Granular Material	Free Swell Index	IS 2720 (Part 40)	up to 80 %	Permanent
71	Soil / Granular Material	Grain Size Analysis (below 4.75mm sieve)	IS 2720 (Part 04)	up to 100 %	Permanent
72	Soil / Granular Material	Heavy Compaction - MDD	IS 2720 (Part 8)	1 g/cc to 3 g/cc	Permanent
73	Soil / Granular Material	Heavy Compaction - OMC	IS 2720 (Part 8)	5 % to 30 %	Permanent

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Page No. 6 of 7

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Sr. No.	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Standard specifications/ Equipment/Techniques used	Range of measurement	Facility
74	Soil / Granular Material	Light Compaction - OMC	IS 2720 (Part 7)	5 % to 30 %	Permanent
75	Soil / Granular Material	Light Compaction- MDD	IS 2720 (Part 7)	1 g/cc to 3 g/cc	Permanent
76	Soil / Granular Material	Liquid Limit	IS 2720 (Part 5)	10% to 80 %	Permanent
77	Soil / Granular Material	Plastic Limit	IS 2720 (Part 5)	up to 60 %	Permanent
78	Soil / Granular Material	Shrinkage Limit	IS 2720 (Part 6)	up to 50 %	Permanent
79	Soil / Granular Material	Water Content by oven drying	IS 2720 (Part 2)	up to 80 %	Permanent
80	Soil / Granular Material	Determination of specific gravity of Fine grained soil	IS 2720 (Part 3 : Sec 1)	1 to 5	Permanent
81	Soil/ Granular material	Determination of specific gravity of Fine, medium and coarse grained soils	IS 2720 (Part 3 : Sec 2)	1 to 5	Permanent
Mechanical – Soil field					
82	Soil field	Soil field density by Sand Replacement Method	IS 2720 (Part 28)	1.5 g/cc to 2.5 g/cc	Site
83	Soil field	Soil field density by core cutter method	IS 2720 (Part 29)	1.5 g/cc to 2.5 g/cc	Site
Mechanical - Building Materials-Reinforced concrete structures					
84	WBM Screening	Aggregate Impact Value	IS 2386 (Part 04)	1 % to 30 %	Permanent
85	WBM Screening	Elongation Index	IS 2386 (Part 01)	1 % to 50 %	Permanent
86	WBM Screening	Gradation of WBM Screening	IS 2386 (Part 01)	up to 100 %	Permanent
87	WBM Screening	Water absorption	IS 2386 (Part 03)	0.1 % to 5 %	Permanent
88	WBM Screening	Flakiness Index	IS 2386 (Part 01)	up to 50 %	Permanent
89	WMM MIX	Aggregate Impact Value	IS 2386 (Part 04)	5 % to 35 %	Permanent

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90	WMM MIX	Elongation Index	IS 2386 (Part 01)	1 % to 50 %	Permanent
91	WMM MIX	Gradation of Aggregate	IS 2386 (Part 01)	up to 100 %	Permanent
92	WMM MIX	Water Absorption	IS 2386 (Part 03)	0.1 % to 5 %	Permanent
93	WMM MIX	Flakiness Index	IS 2386 (Part 01)	up to 50 %	Permanent
94	WMM MIX (Embankment Construction)	Bulk Density	IS 2386 (Part 03)	1 kg/l to 3 kg/l	Permanent
95	WMM MIX (Embankment construction)	Free Swell Index	IS 2720 (Part 40)	up to 50 %	Permanent
Non-Destructive Testing - Building Materials-Reinforced concrete structures					
96	Reinforced concrete structures	Rebound Hammer Test	IS 516: (Part 5/ Sec 4)	20 N/mm ² to 55N/mm ²	Site
97	Reinforced concrete structures	Ultrasonic Pulse Velocity	IS 516 (Part 5/Sec 1)	0.50 km/s to 6.00 km/s	Site