



## Scope of Accreditation for Testing

As per ISO/IEC 17025:2017

**CAB Name:** Make Infracon, (Panvel)

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**Address:** Godown No.01, Ground floor, Rajput Associates,  
Block Sector, Kolakhe Village, Panvel-410221,  
Maharashtra

**Certificate No.:** T-0013

**Issue date** : 07.06.2025

**Validity** : 06.06.2029

Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Standard specifications/ Equipment/Techniques used	Range of measurement	Facility
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### Discipline: Chemical Testing; Group: 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

### Discipline: Mechanical; Group: Building, Infrastructure & Construction Materials

5	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 01)	2 MPa to 80 MPa	Permanent
6	Burnt Clay Bricks	Dimension (Thickness)	IS1077	1000 mm to 2500 mm	Permanent
7	Burnt Clay Bricks	Dimensions (Length)	IS1077	4000 mm to 5000 mm	Permanent
8	Burnt Clay Bricks	Dimensions (Width)	IS1077	1500 mm to 2300 mm	Permanent
9	Burnt Clay bricks	Water Absorption	IS 3495 (Part 03)	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 /PPC/ PSC	Soundness by Le-Chatelier's method	IS 4031 (Part 3)	0.2 mm to 10 mm	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Standard specifications/ Equipment/Techniques used	Range of measurement	Facility
	/white cement				
13	Cement Concrete Tiles	Dimensions-Thickness	IS 1237	20mm 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	0.1mm to 10mm	Permanent
16	Cement Concrete Tiles	Straightness	IS 1237	0.1mm to 5mm	Permanent
17	Cement Concrete Tiles	Water Absorption-WA	IS 1237	1% to 20%	Permanent
18	Coarse Aggregate	Bulk Density	IS 2386 (Part 03)	1.0 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)	0.1 % to 40 %	Permanent
23	Coarse Aggregate	Gradation	IS 2386 (Part 01)	00 % 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 5 %	Permanent
26	Coarse Aggregate	10 % Fine value	IS 2386 (Part 04)	5kN to 50 kN	Permanent
27	Concrete Core	Compressive strength of Concrete Cores	IS 516 (Part 04)	5 N/mm <sup>2</sup> to 70 N/mm <sup>2</sup>	Permanent
28	Concrete Kerb	Height of Kerb	IS 5758	150mm to 450mm	Permanent



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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 (Dry)	IS 2386 (Part 3)	1 kg/l to 3 kg/l	Permanent
32	Fine Aggregate (river sand, Manufactured Sand, Crush sand)	Bulk Density (Rodded)	IS 2386 (Part 03)	1 kg/l to 3 kg/l	Permanent
33	Fine Aggregate (river sand, Manufactured Sand, Crush sand)	Material Finer than 75 microns	IS 2386 (Part 1)	0.1 % to 30 %	Permanent
34	Fine Aggregate (river sand, Manufactured Sand, Crush sand)	Gradation of fine aggregate	IS 2386 (Part 1)	0 % to 100 %	Permanent
35	Fine Aggregate (river sand, Manufactured Sand, Crush sand)	Specific Gravity	IS 2386 (Part 3)	1.5 to 3	Permanent
36	Fine Aggregate (river sand, Manufactured Sand, Crush sand)	Water Absorption	IS 2386 (Part 03)	0.1 % to 10 %	Permanent
37	Fine Aggregates	Clay Lumps	IS 2386 (Part 2)	0.1 % to 2%	Permanent
38	Fresh Concrete Mix	Slump Test	IS 1199 (Part 2)	0mm to 300 mm	Permanent



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Standard specifications/ Equipment/Techniques used	Range of measurement	Facility
39	GSB MIX	Gradation of GSB mix	IS 2386 (Part 01)	0 % to 100 %	Permanent
40	GSB MIX	Aggregate Impact Value	IS 2386 (Part 04)	1 % to 35 %	Permanent
41	GSB MIX	Water Absorption	IS 2386(Part 3)	0.1 % to 5 %	Permanent
42	GSB MIX	California Bearing Ratio (CBR)	IS 2720 (Part 16)	0 to 60	Permanent
43	GSB MIX	Liquid Limit	IS 2720 (Part 05)	15 to 80	Permanent
44	GSB MIX	Heavy Compaction - MDD	IS 2720 (Part 8)	1.5 g/cc to 3 g/cc	Permanent
45	GSB MIX	Heavy Compaction - OMC	IS 2720 (Part 08)	5 % to 30 %	Permanent
46	GSB MIX	Free Swell Index	IS 2720 (Part 40)	0 % to 50 %	Permanent
47	GSB MIX (Embankment construction)	Bulk Density	IS 2386 (Part 03)	1 kg/l to 3 kg/l	Permanent
48	Hardened Concrete	Compressive Strength	IS 516 (Part 1 / sec 1)	5 MPa to 70 MPa	Permanent
49	Hardened Concrete	Density	IS 516 (Part 02) (section 01)	2400 kg/m <sup>3</sup> to 2700 kg/m <sup>3</sup>	Permanent
50	Hardened Concrete	Flexural Strength	IS 516 (Part 01) (Section 01)	1 N/mm <sup>2</sup> to 5 N/mm <sup>2</sup>	Permanent
51	Manhole Cover	Dimension Test	IS 12592	450mm to 900mm	Permanent
52	Murum	Gradation	IS 2720 (Part 04)	0 % to 100 %	Permanent
53	Natural Building Stone	Apparent Specific Gravity	IS 1124	2.5 to 3.5	Permanent
54	Natural Building Stone	True Specific Gravity	IS 1122	2.5 to 3.5	Permanent
55	Natural Building Stone and Rock	Porosity	IS 1124	1 % to 0.3 %	Permanent

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:**307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Standard specifications/ Equipment/Techniques used	Range of measurement	Facility
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56	Natural Building Stone and Rock	Water Absorption	IS 1124	0 % to 0.1 %	Permanent
57	Paving Block	Dimension: Length	IS 15658	100 mm to 400 mm	Permanent
58	Paving Block	Dimension: Thickness	IS 15658	25 mm to 100 mm	Permanent
59	Paving Block	Dimension: Width	IS 15658	100 mm to 300 mm	Permanent
60	Paving Block	Plane area of paving block	IS 15658	100 mm to 300 mm	Permanent
61	Paving Block	Thickness of wearing layer	IS 15658	1 mm to 6 mm	Permanent
62	Paving Block	Corrected Compressive strength	IS 15658	10 N/mm <sup>2</sup> to 55 N/mm <sup>2</sup>	Permanent
63	Paving Block	Water Absorption	IS 15658	1 % to 10 %	Permanent
64	PVC Pipe	Dimension	IS 12235 (Part 1)	25mm to 125mm	Permanent

### Discipline: Mechanical; Group: Rock Basic

65	Rock	Dry Density	IS 13030	2 g/cc to 3.5 g/cc	Permanent
66	Rock	Specific Gravity	IS 13030	2 to 3.5	Permanent
67	Rock	Unconfined Compressive Strength of Rock	IS 9143	0 N/mm <sup>2</sup> to 1000 N/mm <sup>2</sup>	Permanent
68	Rock	Water Content	IS 13030	0 % to 100 %	Permanent
69	Rock	Wet Density	IS 13030	2.5 g/cc to 4.5 g/cc	Permanent

### Discipline: Mechanical; Group: Soil Basic



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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Standard specifications/ Equipment/Techniques used	Range of measurement	Facility
70	Soil / Granular Material	California Bearing Ratio (CBR) (GSB, WMM, CTSB, RAP, Blanket)	IS 2720 (Part 16)	1 to 150	Permanent
71	Soil / Granular Material	Free Swell Index	IS 2720 (Part 40)	0 % to 80 %	Permanent
72	Soil / Granular Material	Grain Size Analysis (below 4.75mm sieve)	IS 2720 (Part 04)	0 % to 100 %	Permanent
73	Soil / Granular Material	Heavy Compaction – MDD	IS 2720 (Part 8)	1 g/cc to 3 g/cc	Permanent
74	Soil / Granular Material	Heavy Compaction – OMC	IS 2720 (Part 8)	5 % to 30 %	Permanent
75	Soil / Granular Material	Light Compaction - OMC	IS 2720 (Part 7)	5 % to 30 %	Permanent
76	Soil / Granular Material	Light Compaction- MDD	IS 2720 (Part 7)	1 g/cc to 3 g/cc	Permanent
77	Soil / Granular Material	Liquid Limit	IS 2720 (Part 5)	10 % to 80 %	Permanent
78	Soil / Granular Material	Plastic Limit	IS 2720 (Part 5)	0 % to 60 %	Permanent
79	Soil / Granular Material	Shrinkage Limit	IS 2720 (Part 6)	0 % to 50 %	Permanent
80	Soil / Granular Material	Water Content by oven drying	IS 2720 (Part 2)	0 % to 100 %	Permanent
81	Soil / Granular Material	Determination of specific gravity of Fine-grained soil	IS 2720 (Part 3): (Sec 1)	1 to 5	Permanent
82	Soil / Granular material	Determination of specific gravity of Fine, medium and coarse-grained soils	IS 2720 (Part 3): (Sec 2)	1 to 5	Permanent
<b>Discipline: Mechanical; Group: Soil Field</b>					
83	Soil field	Soil field density by Sand replacement	IS 2720 (Part 28)	1.5 g/cc to 2.5 g/cc	Site



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		method			
84	Soil field	Soil field density by core cutter method	IS 2720 (Part 29)	1.5 g/cc to 2.5 g/cc	Site

**Discipline: Mechanical; Group: Building Materials-Reinforced concrete structures**

85	WBM Screening	Aggregate Impact Value	IS 2386 (Part 04)	1 % to 30 %	Permanent
86	WBM Screening	Elongation Index	IS 2386 (Part 01)	1 % to 50 %	Permanent
87	WBM Screening	Gradation of WBM Screening	IS 2386 (Part 01)	0 % to 100 %	Permanent
88	WBM Screening	Water absorption	IS 2386 (Part 03)	0.1 % to 5 %	Permanent
89	WBM Screening	Flakiness Index	IS 2386 (Part 01)	0 % to 50 %	Permanent
90	WMM MIX	Aggregate Impact Value	IS 2386 (Part 04)	5 % to 35 %	Permanent
91	WMM MIX	Elongation Index	IS 2386 (Part 01)	1 % to 50 %	Permanent
92	WMM MIX	Gradation of Aggregate	IS 2386 (Part 01)	0 % to 100 %	Permanent
93	WMM MIX	Water Absorption	IS 2386 (Part 03)	0.1 % to 5 %	Permanent
94	WMM MIX	Flakiness Index	IS 2386 (Part 01)	0 % to 50 %	Permanent
95	WMM MIX (Embankment Construction)	Bulk Density	IS 2386 (Part 03)	1 kg/l to 3 kg/l	Permanent
96	WMM MIX (Embankment construction)	Free Swell Index	IS 2720 (Part 40)	0 % to 50 %	Permanent

**Discipline: Non-Destructive Testing; Group: Building Materials - Reinforced concrete structures.**

97	Reinforced concrete	Rebound Hammer Test	IS 516: (Part 5/Sec4)	20 N/mm <sup>2</sup> to 55N/mm <sup>2</sup>	Site
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International Quality And Accreditation Services Pvt. Ltd.  
(Formerly International Quality And Accreditation Services LLP)  
25/33, 2nd Floor, East Patel Nagar New Delhi, 110008

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Sr. No	Parameter/ Materials/ Products tested	Type of Test/Properties measured	Standard specifications/ Equipment/Techniques used	Range of measurement	Facility
	structures				
98	Reinforced concrete structures	Ultrasonic Pulse Velocity	IS 516 (Part 5/Sec1)	0.50 km/s to 6.00 km/s	Site