

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Certificate of Accreditation

Shiva Test House Private Limited

*Plot No. 10, Khasra No. 211, Saipuram Colony Morti, Raj Nagar Extension,
Ghaziabad- 201017, Uttar Pradesh, India*

*has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017*

*“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing*

*This certificate remains valid for the Scope of Accreditation as
specified in the annexure subject to continued compliance to the above
standard & any other requirements specified by QAI.*



QAI/CLA/TL/2023/0014

Valid from: 12 July 2023

Valid until: 11 July 2025

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CLA



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Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
1.	Construction Water	Acidity (Volume of 0.02 N- NaOH to Neutralize 100 ml of Water)	IS 3025 (Part 22): 1986
2.	Construction Water	Alkalinity (Volume of 0.02 N- Sulphuric Acid to Neutralize 100 ml of Water)	IS 3025 (Part 23): 1986
3.	Construction Water	Chloride	IS 3025 (Part 32): 1988
4.	Construction Water	Inorganic Solid	IS 3025 (Part 18): 1984
5.	Construction Water	Organic Solid	IS 3025 (Part 18): 1984
6.	Construction Water	pH Value	IS 3025 (Part 11): 1983
7.	Construction Water	Sulphate	IS 3025 (Part 24): 1986
8.	Construction Water	Suspended Solid	IS 3025 (Part 17): 1984
9.	Aggregate	Reduction in Alkalinity	IS 2386 (Part 7): 1963
10.	Aggregate	Silica	IS 2386 (Part 7): 1963
11.	Aggregate	Total Sulphate Content	BS EN 1744 (Part 1): 1988
12.	Aggregate	Water Soluble Chloride Content	BS EN 1744 (Part 1): 1988
13.	Aggregate	Total Alkali Content as Na ₂ O and K ₂ O equivalent	IS 4032: 1985
14.	Soil	pH	IS 2720 (Part 26): 1987
15.	Soil	Chloride content	BS 1377 (Part 3)
16.	Soil	Total Sulphate Content	IS 2720 (Part 27): 1977
17.	Abrasive Powder	Aluminium oxide content % by mass	IS 1355:1979



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
1.	Concrete Paving Blocks	Dimension and Tolerance	IS 15658:2021, Annex - B
2.	Concrete Paving Blocks	Compressive Strength	IS 15658:2021, Annex - D
3.	Concrete Paving Blocks	Abrasion Resistance	IS 15658:2021, Annex -E
4.	Concrete Paving Blocks	Tensile Splitting Strength	IS 15658:2021, Annex -F
5.	Concrete Paving Blocks	Flexural Strength	IS 15658:2021, Annex -G
6.	Concrete Paving Blocks	Water Absorption	IS 15658:2021, Annex -C
7.	Concrete Paving Blocks	Freeze Thaw Durability	IS 15658:2021, Annex -H
8.	Coarse Aggregate	10% fines Value	IS 2386 (Part 4): 1963, RA 2016
9.	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4): 1963, RA 2016
10.	Coarse Aggregate	Bulk Density	IS 2386 (Part 3): 1963, RA 2016
11.	Coarse Aggregate	Combined Flakiness & Elongation	IS 2386 (Part 1)-1963, RA 2016
12.	Coarse Aggregate	Crushing Value	IS 2386 (Part 4): 1963, RA 2016
13.	Coarse Aggregate	Deleterious Material	IS 2386 (Part 2): 1963, RA 2016
14.	Coarse Aggregate	Elongation Index	IS 2386 (Part 1): 1963, RA 2016
15.	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1): 1963, RA 2016
16.	Coarse Aggregate	Impact Value	IS 2386 (Part 4): 1963, RA 2016
17.	Coarse Aggregate	Sieve Analysis (IS Sieve Size 80,63,50,40,31.5,25,20,16,12.5,10 6.3,4.75mm)	IS 2386 (Part 1): 1963, RA 2016
18.	Coarse Aggregate	Soundness	IS 2386 (Part 5): 1963, RA 2016
19.	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3): 1963, RA 2016
20.	Coarse Aggregate	Water Absorption	IS 2386 (Part 3): 1963, RA 2016
21.	Fine Aggregate	Bulk Density	IS 2386 (Part 3): 1963, RA 2016
22.	Fine Aggregate	Deleterious Material	IS 2386 (Part 2): 1963, RA 2016
23.	Fine Aggregate	Material finer than 75-micron m	IS 2386 (Part 1): 1963, RA 2016
24.	Fine Aggregate	Organic Impurities	IS 2386 (Part 2): 1963, RA 2016



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
25.	Fine Aggregate	Sieve Analysis (IS Sieve Size 10,4.75,2.36,1.18,0.600,0.300,0.15 Omm)	IS 2386 (Part 1): 1963, RA 2016
26.	Fine Aggregate	Soundness	IS 2386 (Part 5): 1963, RA 2016
27.	Fine Aggregate	Specific Gravity	IS 2386 (Part 3): 1963, RA 2016
28.	Fine Aggregate	Water Absorption	IS 2386 (Part 3): 1963, RA 2016
29.	Precast Concrete Cover and Frame	Dimension and Tolerance (a) Diameter	IS 12592: 2002
30.	Precast Concrete Cover and Frame	Dimension and Tolerance (b) Thickness	IS 12592: 2002
31.	Precast Concrete Cover and Frame	Dimension and Tolerance (a) Length	IS 12592: 2002
32.	Precast Concrete Cover and Frame	Dimension and Tolerance (a) Width	IS 12592: 2002
33.	Precast Concrete Cover and Frame	Load Test	IS 12592: 2002
34.	Precast Concrete Cable Cover	Dimension (a) Length	IS 5820: 1970
35.	Precast Concrete Cable Cover	Dimension (b) Width	IS 5820: 1970
36.	Precast Concrete Cable Cover	Dimension (c) Thickness	IS 5820: 1970
37.	Precast Concrete Cable Cover	Impact Strength	IS 5820: 1970
38.	Precast Concrete Cable Cover	Transverse Strength	IS 5820: 1970
39.	Chequered Cement Flooring Tiles	Dimension (a) Length	IS 13801: 2013
40.	Chequered Cement Flooring Tiles	Dimension (b) Width	IS 13801: 2013
41.	Chequered Cement Flooring Tiles	Dimension (c) Thickness	IS 13801: 2013
42.	Chequered Cement Flooring Tiles	Flatness of Surface	IS 13630 (Part 1):2019

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

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
43.	Chequered Cement Flooring Tiles	Perpendicularity	IS 13801: 2013
44.	Chequered Cement Flooring Tiles	Straightness	IS 13630 (Part 1):2019
45.	Chequered Cement Flooring Tiles	Water Absorption	IS 13801: 2013
46.	Chequered Cement Flooring Tiles	Wet Transverse Strength	IS 13801: 2013
47.	Chequered Cement Flooring Tiles	Thickness of Wearing Layer	IS 13801: 2013
48.	Chequered Cement Flooring Tiles	Resistance to Wear	IS 13801: 2013
49.	Hardened Concrete	Compressive Strength	IS 516: 1959
50.	Abrasive Powder	Grain Size Analysis	IS 1237: 2012
51.	Abrasive Powder	Scratch Hardness	IS 13630 (Part 13):2019
52.	Abrasive Powder	Shape and Size	IS 1237: 2012
53.	Abrasive Powder	Specific Gravity	IS 1122: 1974
54.	Pigment	Residue on 45 microns	IS 33: 1992
55.	Pigment	Fineness by Blain Permeability Apparatus	IS 4031 (Part 2): 1999
56.	Soil	Atterberg Limits (a) Liquid Limit	IS 2720 (Part 5) :1985
57.	Soil	Atterberg Limits (a) Plastic Limit	IS 2720 (Part 5) :1985
58.	Soil	CBR Test	IS 2720 (Part 16) :1987
59.	Soil	Direct Shear Test Cohesion Intercept C Value	IS 2720 (Part 13) :1986
60.	Soil	Direct Shear Test Internal Friction Value	IS 2720 (Part 13) :1986
61.	Soil	Grain Size Analysis	IS 2720 (Part 4) :1985
62.	Soil	Moisture Content	IS 2720 (Part 2) :1973

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
63.	Soil	Proctor Test (Heavy Compaction) MDD	IS 2720 (Part 8) :1983
64.	Soil	Proctor Test (Heavy Compaction) OMC	IS 2720 (Part 8) :1983
65.	Soil	Proctor Test (Light Compaction) MDD	IS 2720 (Part 7) :1980
66.	Soil	Proctor Test (Light Compaction) OMC	IS 2720 (Part 7) :1980
67.	Soil	Specific Gravity	IS 2720 (Part 3/SEC 2): 1980

