

# 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/CIA/TL/2023/0014**

*(Date of First Accreditation: 12 July 2023 - 11 July 2025)*

*Valid from: 12 July 2025*

*Valid until: 11 July 2027*

**Dr. Bhupendra Kumar Rana**  
Chief Executive Officer

**Prof. Vikram Kumar**  
Chair, CIA



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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
1.	Construction Water	Acidity (Volume of 0.02 N- NaOH to Neutralize 100 ml of Water)	IS 3025 (Part 22): 2024
2.		Alkalinity (Volume of 0.02 N- Sulphuric Acid to Neutralize 100 ml of Water)	IS 3025 (Part 23): 2023
3.		Chloride	IS 3025 (Part 32): 1988
4.		Inorganic Solid	IS 3025 (Part 18): 2022
5.		Organic Solid	IS 3025 (Part 18): 2022
6.		pH Value	IS 3025 (Part 11): 2022
7.		Sulphate	IS 3025 (Part 24): 2022
8.		Suspended Solid	IS 3025 (Part 17): 2022



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
1.	Aggregate	Reduction in Alkalinity	IS 2386 (Part 7): 1963
2.		Silica	IS 2386 (Part 7): 1963
3.		Total Sulphate Content	BS EN 1744 (Part 1):1988
4.		Water Soluble Chloride Content	BS EN 1744 (Part 1):1988
5.		Total Alkali Content as Na <sub>2</sub> O and K <sub>2</sub> O equivalent	IS 4032: 1985



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
<b>Building, Infrastructure &amp; Construction Materials</b>			
1.	Precast Concrete Block for Paving	Dimension and Tolerance	IS 15658:2021, Annex - B
2.		Compressive Strength	IS 15658:2021, Annex - D
3.		Abrasion Resistance	IS 15658:2021, Annex -E
4.		Tensile Splitting Strength	IS 15658:2021, Annex -F
5.		Flexural Strength	IS 15658:2021, Annex -G
6.		Water Absorption	IS 15658:2021, Annex -C
7.		Freeze Thaw Durability	IS 15658:2021, Annex -H
8.	Coarse Aggregate	10% fines Value	IS 2386 (Part 4): 1963, RA 2016
9.		Abrasion Value	IS 2386 (Part 4): 1963, RA 2016
10.		Bulk Density	IS 2386 (Part 3): 1963, RA 2016
11.		Combined Flakiness & Elongation	IS 2386 (Part 1)-1963, RA 2016
12.		Crushing Value	IS 2386 (Part 4): 1963, RA 2016
13.		Deleterious Material	IS 2386 (Part 2): 1963, RA 2016
14.		Elongation Index	IS 2386 (Part 1): 1963, RA 2016
15.		Flakiness Index	IS 2386 (Part 1): 1963, RA 2016

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
<b>Building, Infrastructure &amp; Construction Materials</b>			
16.	Fine Aggregate	Impact Value	IS 2386 (Part 4): 1963, RA 2016
17.		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.		Soundness	IS 2386 (Part 5): 1963, RA 2016
19.		Specific Gravity	IS 2386 (Part 3): 1963, RA 2016
20.		Water Absorption	IS 2386 (Part 3): 1963, RA 2016
21.		Bulk Density	IS 2386 (Part 3): 1963, RA 2016
22.		Deleterious Material	IS 2386 (Part 2): 1963, RA 2016
23.		Material finer than 75-micron m	IS 2386 (Part 1): 1963, RA 2016
24.		Organic Impurities	IS 2386 (Part 2): 1963, RA 2016
25.		Sieve Analysis (IS Sieve Size 10,4.75,2.36,1.18,0.600,0.300,0.150mm)	IS 2386 (Part 1): 1963, RA 2016
26.		Soundness	IS 2386 (Part 5): 1963, RA 2016
27.		Specific Gravity	IS 2386 (Part 3): 1963, RA 2016
28.		Water Absorption	IS 2386 (Part 3): 1963, RA 2016

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
<b>Building, Infrastructure &amp; Construction Materials</b>			
29.	Manhole Cover	Dimension and Tolerance (a) Diameter	IS 12592: 2002
30.		Dimension and Tolerance (b) Length	IS 12592: 2002
31.		Dimension and Tolerance (c) Width	IS 12592: 2002
32.		Dimension and Tolerance (d) Thickness	IS 12592: 2002
33.		Load test	IS 12592: 2002
34.	Precast Concrete Cable Cover	Dimension (a) Length	IS 5820: 2024
35.		Dimension (b) Width	IS 5820: 2024
36.		Dimension (c) Thickness	IS 5820: 2024
37.		Impact Strength	IS 5820: 2024
38.		Transverse Strength	IS 5820: 1970
39.	Chequered cement flooring Tiles	Dimension (a) Length	IS 13801: 2013
40.		Dimension (b) Width	IS 13801: 2013
41.		Dimension (c) Thickness	IS 13801: 2013

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
<b>Building, Infrastructure &amp; Construction Materials</b>			
42.	Chequered cement flooring Tiles	Flatness of Surface	IS 13630 (Part 1): 2019
43.		Perpendicularity	IS 13801: 2013
44.		Straightness	IS 13630 (Part 1): 2019
45.		Water Absorption	IS 13801: 2013
46.		Wet transverse Strength	IS 13801: 2013
47.		Thickness of Wearing Layer	IS 13801: 2013
48.		Resistance to Wear	IS 13801: 2013
49.		Compressive Strength	IS 516: 1959

