



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**TESTNCAL LABORATORY (TESTING AND CALIBRATION
INDIA OPC 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

ANGREJI DHALA, NH-31, BEGUSARAI, BIHAR, INDIA

in the field of

TESTING

Certificate Number: TC-11789

Issue Date: 20/06/2023

Valid Until:

19/06/2025

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 Identity : TESTING AND CALIBRATION INDIA OPC 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 :

TESTNCAL LABORATORY (TESTING AND CALIBRATION INDIA OPC PVT LTD), ANGREJI
DHALA, NH-31, BEGUSARAI, BIHAR, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-11789

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Validity

20/06/2023 to 19/06/2025

Last Amended on

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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 Facility				
1	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Bulk Density	IS 6441 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compressive strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimension (Height)	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimension (Length)	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimension (Width)	IS 2185 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Moisture Content	IS 6441 (Part 1)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility at 25 degree C	IS 1201 to 1220
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous	Binder content	ASTM D2172
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous	Softening Point (R & B)	IS 1205
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous	Specific Gravity	IS 1202
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous	Standard Penetration at 25 °C (Div. 0.1 mm)	IS 1203
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 micron IS Sieve percentage by mass Max	IS 8887
13	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal Stabality	ASTMD 6927
14	MECHANICAL- BUILDINGS MATERIALS	Bricks (Brunt Clay, Flyash Brick, Flyash Lime Brick)	Compressive Strength	IS 3495 (Part 1)
15	MECHANICAL- BUILDINGS MATERIALS	Bricks (Brunt Clay, Flyash Brick, Flyash Lime Brick)	Dimension: Height	IS 12894
16	MECHANICAL- BUILDINGS MATERIALS	Bricks (Brunt Clay, Flyash Brick, Flyash Lime Brick)	Dimension: Length	IS 12894
17	MECHANICAL- BUILDINGS MATERIALS	Bricks (Brunt Clay, Flyash Brick, Flyash Lime Brick)	Dimension: Width	IS 12894
18	MECHANICAL- BUILDINGS MATERIALS	Bricks (Brunt Clay, Flyash Brick, Flyash Lime Brick)	Water Absorption	IS 3495 (Part 2)



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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-chatelier's Expansion Method	IS 4031 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Tiles	Water Absorption	IS 1237
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10 % Fines Value	IS 2386 (Part 4)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (2.36 mm to 63 mm)	IS 2386 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water absorption	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking of Sand	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (150 micron to 10 mm)	IS 2386 (Part 1)



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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water absorption	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658 Annexure D
41	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension : Length	IS 15658 Annexure B
42	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Thickness	IS 15658 Annexure B
43	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
44	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Width	IS 15658 Annexure B
45	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadam)	Elongation Index Test	IS 2386:Part 1 Amd.4
46	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadam)	Flakiness Index Test	IS 2386:Part 1 Amd.4
47	MECHANICAL- BUILDINGS MATERIALS	WBM (water Bound Macadam)	Impact Value Test	IS 2386 part 4
48	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadam)	Sieve Analysis Test	Morth 5 th
49	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadam)	Water Absorption	IS 2386 part 3
50	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Elongation Index Test	IS 2386 Part 1 Amd. 4
51	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Flakiness Index Test	IS 2386 Part 1 Amd.4
52	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Impact Value Test	2386 part 4
53	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Sieve Analysis	Morth 5th Rev
54	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadam)	Water Absorption	IS 2386 part 3
55	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel/ Structure steel	Mass per meter	IS 1786 Amd. 4



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56	MECHANICAL- SOIL AND ROCK	Soil	California Bearing ratio	IS 2720 (Part 16)
57	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
58	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
59	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction (MDD)	IS 2720 (Part 8)
60	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction (OMC)	IS 2720 (Part 8)
61	MECHANICAL- SOIL AND ROCK	Soil	Light compaction (MDD)	IS 2720 (Part 7)
62	MECHANICAL- SOIL AND ROCK	Soil	Light compaction (OMC)	IS 2720 (Part 7)
63	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
64	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
65	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
66	MECHANICAL- SOIL AND ROCK	Stone (Granite, Kota Lime, Marble)	Compressive strength	IS 1121 (Part 1)
67	MECHANICAL- SOIL AND ROCK	Stone (Granite, Kota Lime, Marble)	Specific Gravity	IS 1122
68	MECHANICAL- SOIL AND ROCK	Stone (Granite, Kota Lime, Marble)	Water Absorption	IS 1124