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 **Page No** 1 of 4

Validity 20/06/2023 to 19/06/2025 **Last Amended on** -

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 persentage 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 Macadom)	Elongation Index Test	IS 2386:Part 1 Amd.4
46	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadom)	Flakiness Index Test	IS 2386:Part 1 Amd.4
47	MECHANICAL- BUILDINGS MATERIALS	WBM (water Bound Macadom)	Impact Value Test	IS 2386 part 4
48	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadom)	Sieve Analysis Test	Morth 5 th
49	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadom)	Water Absorption	IS 2386 part 3
50	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Elongation Index Test	IS 2386 Part 1 Amd. 4
51	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Flakiness Index Test	IS 2386 Part 1 Amd.4
52	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Impact Value Test	2386 part 4
53	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Sieve Analysis	Morth 5th Rev
54	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	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