National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NAKALANK TEST HOUSE AND RESEARCH CENTER, WARD 35/A, SY. NO. 79, TADKESHVAR MAHADEV MAHOLLO, JUNA BHATAR NO. 33A-09-6781-0-001, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11581 **Page No** 1 of 3

Validity 25/04/2023 to 24/04/2025 **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	Brick (Burnt Clay/Fly Ash)	Compressive Strength	IS 3495 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Brick (Burnt Clay/Fly Ash)	Efflorescence	IS 3495 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Brick (Burnt Clay/Fly Ash)	Water Absorption	IS 3495 (Part 2)
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
5	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Length)	IS 1077
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
8	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
9	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
10	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Blaine's Air Permeability	IS 4031 (Part 2)
11	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
12	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Nominal Consistency	IS 4031 (Part 4)
13	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier's Expansion Method	IS 4031 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose & Compacted)	IS 2386 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (63mm to 2.36mm)	IS 2386 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength	IS 516 (Part 1/ Section 1)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose & Compacted)	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 Micron	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10mm to 0.150mm)	IS 2386 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension (Height)	IS 12894
29	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension (Length)	IS 12894
30	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension (Width)	IS 12894
31	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Compressive Strength	IS 15658 (Annex D)
32	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Water Absorption	IS 15658 (Annex C)
33	MECHANICAL- SOIL AND ROCK	Soil	CBR (Unsoaked)	IS 2720 (Part 16)
34	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) - C	IS 2720 (Part 13)
35	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) - Phi (F)	IS 2720 (Part 13)
36	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
37	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet / Dry Analysis)	IS 2720 (Part 4)

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38	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Maximum Dry Density)	IS 2720 (Part 8)
39	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Optimum Moisture Content)	IS 2720 (Part 8)
40	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (Maximum Dry Density)	IS 2720 (Part 7)
41	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (Optimum Moisture Content)	IS 2720 (Part 7)
42	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
43	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
44	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
45	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity (Fine Grain Soil)	IS 2720 (Part 3/ Section 1)