National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NANJI KALABHAI PATEL & CO. (NKPC), BORING HOUSE, POTRIWALI GALI, JAMNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8142 **Page No** 1 of 3

Validity 14/11/2021 to 13/11/2023 **Last Amended on** 31/01/2022

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	CHEMICAL- WATER	Water for construction purpose	Chloride (Cl)	IS:3025 (PART-32)
2	CHEMICAL- WATER	Water for construction purpose	pH Value	IS:3025 (PART-11)
3	CHEMICAL- WATER	Water for construction purpose	Sulphate (as SO3)	IS:3025 (PART-24)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS:1206 (PART-2)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS:1208
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS:1206 (PART-3)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS:1203
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS:1205
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Binder Content	IRC:SP:11
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Flow	ASTM-D6927-06
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Stability	ASTM-D6927-06
12	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Burnt)	Compressive Strength	IS:3495 (PART-1)
13	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Burnt)	Dimension (Height)	IS:1077
14	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Burnt)	Dimension (Length)	IS:1077
15	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Burnt)	Efflorescence	IS:3495 (PART-3)
16	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Burnt)	Water Absorption	IS:3495 (PART-2)
17	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay Burnt)	Dimension (Width)	IS:1077
18	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC-53)	Compressive Strength	IS:4031 (PART-6)
19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC-53)	Final Setting Time	IS:4031 (PART-5)

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Certificate Number TC-8142 **Page No** 2 of 3

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20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC-53)	Fineness by Blain Permibility	IS:4031 (PART-2)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC-53)	Initial Setting Time	IS:4031 (PART-5)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC-53)	Soundness by le chatelier	IS:4031 (PART-3)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC-53)	Standard Consistency	IS:4031 (PART-4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Values	IS:2386 (PART-4)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Abrasion Value	IS:2386 (PART-4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Crushing Value	IS:2386 (PART-4)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS:2386 (PART-1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS:2386 (PART-1)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Gradation (Sieve Analysis:0.075 ~ 100 mm)	IS:2386 (PART-1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS:2386 (PART-4)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 (PART-3)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS:2386 (PART-3)
33	MECHANICAL- BUILDINGS MATERIALS	Concrete Fresh	Slump	IS:1199
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (SAND)	Gradation (Sieve Analysis: 0.075~10 mm)	IS:2386 (PART-1)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (SAND)	Specific Gravity	IS:2386 (PART-3)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (SAND)	Water Absorption	IS:2386 (PART-3)
37	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516 (Part 1/Sec 1)
38	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS:2720 (PART-16)

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39	MECHANICAL- SOIL AND ROCK	Soil	Gradation (Grain Size analysis: 40 mm to 0.075 mm)	IS:2720 (PART-4)
40	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS:2720 (PART-8)
41	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS:2720 (PART-8)
42	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS:2720 (PART-7)
43	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS:2720 (PART-7)
44	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS:2720 (PART-5)
45	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720 (PART-5)