National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NAVBHARAT NIRMAN LABS AND INDUSTRIES, G-62, KUBER INDUSTRIAL AREA, RANPUR, KOTA, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4090 **Page No** 1 of 3

Validity 27/04/2023 to 26/04/2025 **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	Bituminous Mix	Binder Content	IRC SP 11 (Appendix 5, Clause C)
2	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D6927
3	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
4	MECHANICAL- BUILDINGS MATERIALS	Building Bricks	Compressive strength	IS 3495 (Part-1)
5	MECHANICAL- BUILDINGS MATERIALS	Building Bricks	Water Absorption	IS 3495 (Part 2)
6	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Compressive Strength	IS 4031 (Part 6)
7	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Final Setting Time	IS 4031 (Part 5)
8	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Fineness by Dry Sieving Method	IS 4031 (Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Initial Setting Time	IS 4031 (Part 5)
10	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Soundness by Le-Chatelier's Method	IS 4031 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Standard Consistency	IS 4031 (Part 4)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value by Los Angeles Machine	IS 2386 (Part 4, Clause 5.3)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3, Clause 3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4, Clause 2)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1, Clause 5)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1, Clause 4)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4, Clause 4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 63 mm)	IS 2386 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : NAVBHARAT NIRMAN LABS AND INDUSTRIES, G-62, KUBER INDUSTRIAL AREA, RANPUR, KOTA, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4090 **Page No** 2 of 3

Validity 27/04/2023 to 26/04/2025 **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
19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3, Clause 2)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3), Clause 2)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3), Clause 3)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 microns	IS 2386 (Part 1), Clause 3)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 mm to 10 mm)	IS 2386 (Part 1), Clause 2)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3, Clause 2)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3), Clause 3)
26	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete/Core	Compressive Strength	IS 516 (Part-1/Sec-1)
27	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Ductility at 25°C	IS 1208
28	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Fire Point	IS 1209
29	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Flash Point	IS 1209
30	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Penetration at 25°C	IS 1203
31	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Softening Point	IS 1205
32	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Compressive Strength	IS 15658
33	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Water Absorption	IS 15658
34	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
35	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Undrained - Angle of Shearing Resistance	IS 2720 (Part 13)
36	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Undrained - Cohesion	IS 2720 (Part 13)
37	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)

SCOPE OF ACCREDITATION

Laboratory Name : NAVBHARAT NIRMAN LABS AND INDUSTRIES, G-62, KUBER INDUSTRIAL AREA, RANPUR, KOTA, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4090 **Page No** 3 of 3

Validity 27/04/2023 to 26/04/2025 **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
38	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Dry Sieving) (0.075 mm to 4.75 mm)	IS 2720 (Part 4)
39	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet Sieving) (0.075 mm to 4.75 mm)	IS 2720 (Part 4)
40	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
41	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8)
42	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density	IS 2720 (Part 7)
43	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content	IS 2720 (Part 7)
44	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Cone Penetrometer	IS 2720 (Part 5)
45	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
46	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
47	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Oven Drying Method	IS 2720 (Part 2)