National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NATIONAL ENGINEERING CONSULTANTS & TESTING LABORATORY, PLOT NO. 27-28, SHIV VIHAR EXTN., UTTAM NAGAR, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7436 **Page No** 1 of 3

Validity 10/08/2021 to 09/08/2023 **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	Bitumen	Penetration test	IS 1203
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
3	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/Core	Bitumen Content	IRC SP 11
4	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/Core	Density of Bituminous Mix	ASTM D 2726
5	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/Core	Marshall Stability Flow Value	ASTM D 6927
6	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/Core	Marshall Stability Value	ASTM D 6927
7	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	BRICKS	Dimension Length	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimensions Height	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimensions Width	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (PART 3)
12	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
13	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
14	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
16	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness (Blaine's Air Permeability)	IS 4031 (part 2)
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Autoclave	IS 4031 (Part 3)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness By Le Chatlier	IS 4031 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Cubes	Compressive Strength	IS 516
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregataes	Water Absorption	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part -3)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing value	IS 2386 (Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (125, 100, 90, 80, 75, 63, 53, 50, 45, 40, 37.5, 31.5, 26.5, 25.0, 22.4, 20, 19, 16, 14, 13.2, 12.5, 11.2, 10, 9.5, 8, 6.7, 6.3, 5.6, 4.75, 3.35, 2.36 mm)	IS 2386 (PART 1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (4.75, 2.36, 2.00,1.18, 1.00, 0.500, 0.425, 0.355, 0.300, 0.250, 0.180, 0.150, 0.075, 0.045 mm)	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
34	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
35	MECHANICAL- SOIL AND ROCK	Soil	CBR Value	IS 2720 (Part 16)

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36	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
37	MECHANICAL- SOIL AND ROCK	SOIL	Heavy Compaction MDD	IS 2720 (PART 8)
38	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 (Part 8)
39	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 (PART 7)
40	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 (Part 7)
41	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
42	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
43	MECHANICAL- SOIL AND ROCK	Soil	Plasticity Index	IS 2720 (Part 5)