National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NORTHERN CENTRE FOR RESEARCH AND TESTING PRIVATE LIMITED, A-18/B, 2ND FLOOR, NARAINA INDUSTRIAL AREA, PHASE-2, NEW DELHI, SOUTH WEST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 21/04/2023 to 20/04/2025 **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	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/ Fine Aggregate	Reduction in Alkalinity	IS 2386 (Part 7)
2	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/ Fine Aggregate	Soluble Silica	IS 2386 (Part 7)
3	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/ Fine Aggregate	Soundness by Magnesium Sulphate	IS 2386 (Part 5)
4	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/ Fine Aggregate	Soundness by Sodium Sulphate	IS 2386 (Part 5)
5	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/ Fine Aggregate	Total Sulphate Content	IS 4032
6	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/ Fine Aggregate	Water Soluble Chloride Content	IS 14959 (Part 2)
7	CHEMICAL- WATER	Water for Construction Purpose	Acidity (Volume of 0.02N - NaOH to Neutralize 100 ml of Water using Phenolphthalein Indicator)	IS 3025 (Part 22)
8	CHEMICAL- WATER	Water for Construction Purpose	Alkalinity (Volume of 0.02N - Sulphuric Acid to Neutralize 100 ml of Water using Mixed Indicator)	IS 3025 (Part 23)
9	CHEMICAL- WATER	Water for Construction Purpose	Chlorides as Cl	IS 3025 (Part 32)
10	CHEMICAL- WATER	Water for Construction Purpose	Inorganic Solid	IS 3025 (Part 18)
11	CHEMICAL- WATER	Water for Construction Purpose	Organic Solid	IS 3025 (Part 18)
12	CHEMICAL- WATER	Water for Construction Purpose	pH Value	IS 3025 (Part 11)
13	CHEMICAL- WATER	Water for Construction Purpose	Sulphate as SO3	IS 3025 (Part 24, Section 1)
14	CHEMICAL- WATER	Water for Construction Purpose	Suspended Matter	IS 3025 (Part 17)
15	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Blocks	Block Density	IS 6441 (Part 1)
16	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Blocks	Compressive Strength	IS 6441 (Part 5)
17	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Blocks	Drying Shrinkage	IS 6441 (Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Blocks	Height	IS 2185 (Part 3)
19	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Blocks	Length	IS 2185 (Part 3)

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20	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Blocks	Surface Texture and Finish	IS 2185 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Autoclave cellular blocks	Width	IS 2185 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Width	IS 13801
23	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Flatness	IS 13801
24	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Length	IS 13801
25	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Perpendicularity	IS 13801
26	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Resistance to Wear	IS 13801
27	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Straightness	IS 13801
28	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Thickness	IS 13801
29	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Thickness of Wearing Layer	IS 13801
30	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Water Absorption	IS 13801
31	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Wet Transverse Strength	IS 13801
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material (Clay Lumps)	IS 2386 (Part 2)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material (Coal and Lignite)	IS 2386 (Part 2)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material (Material Finer than 75 µ)	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material (Soft Fragments/ Particles)	IS 2386 (Part 2)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)

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39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fines value	IS 2386 (Part 4)
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve Size: 80, 63, 50, 40, 31.5, 25, 20, 16, 12.5, 10, 6.3, 4.75, 2.36 mm)	IS 2386 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material (Clay Lumps)	IS 2386 (Part 2)
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material (Coal & Lignite)	IS 2386 (Part 2)
49	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material (Material Finer than 75 µ)	IS 2386 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part 2)
51	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size: 10, 4.75, 2.36, 1.18, 0.600, 0.300, 0.150 mm)	IS 2386 (Part 1)
52	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
53	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
54	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516 (Part 1, Sec 1)
55	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Abrasion Resistance	IS 15658 (Annex-E)
56	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Compressive Strength	IS 15658 (Annex-D)

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57	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Flexural Strength	IS 15658 (Annex-G)
58	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Freeze-Thaw Durability	IS 15658 (Annex-H)
59	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	General Quality and Finish	IS 15658 (Clause 7.1)
60	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Length	IS 15658 (Annex-B)
61	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Tensile Splitting Strength	IS 15658 (Annex-F)
62	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Thickness	IS 15658 (Annex-B)
63	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Water Absorption	IS 15658 (Annex-C)
64	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Width	IS 15658 (Annex-B)
65	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium and Aluminium Alloy Bare Foil	Width	IS 15392
66	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Bare Foil	Length	IS 15392
67	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Bare Foil	Average Thickness	IS 15392
68	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Bare Foil	Breaking Load	IS 15392
69	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Bare Foil	Freedom from Defects	IS 15392
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Bare Foil	Pinhole Count	IS 15392
71	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Bare Foil	Preferred Thickness	IS 15392
72	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Bare Foil	Surface Condition	IS 15392