National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PNT DESIGNS (PVT.) LTD., PLOT NO. 229(A) , ROAD NO 5, INDRAPRASTHA INDUSTRIAL AREA, KOTA, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 01/11/2021 to 31/10/2023 **Last Amended on** 31/03/2023

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- METALS & ALLOYS	Carbon Steel (Low Carbon)	Carbon	IS 8811
2	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon)	Phosphorus	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon)	Sulphur	IS 8811
4	MECHANICAL- BUILDINGS MATERIALS	Aggregate Coarse	Bulk Density	IS 2386 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Aggregate Coarse	Crushing Value	IS 2386 (Part 4)
6	MECHANICAL- BUILDINGS MATERIALS	Aggregate Coarse	Elongation Index	IS 2386 (Part 1)
7	MECHANICAL- BUILDINGS MATERIALS	Aggregate Coarse	Flakiness Index	IS 2386 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Aggregate Coarse	Los Angeles Abrasion Value	IS 2386 (Part 4)
9	MECHANICAL- BUILDINGS MATERIALS	Aggregate Coarse	Sieve Analysis (2.36 mm to 80 mm)	IS 2386 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Aggregate Coarse	Specific Gravity	IS 2386 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Aggregate Coarse	Water Absorption	IS 2386 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Aggregate Fine	Sieve Analysis (0.150 mm to 10 mm)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Aggregate Fine	Specific Gravity	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Aggregate Fine	Water Absorption	IS 2386 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Impact Value	IS 2386 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Aggregates Coarse	Materials Finer than 75 microns	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Aggregates Fine	Bulk Density	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Aggregates Fine	Materials Finer than 75 microns	IS 2386 (Part 1)

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19	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 1077
21	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 1077
22	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 1077
23	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
25	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
26	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
27	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
28	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
29	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
30	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness (by Le-Chatelier Method)	IS 4031 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Cube	Compressive Strength	IS 516 (Part 1/ Section 1)
32	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete Mix	Workability by Slump Cone	IS 1199 (Part 2)
33	MECHANICAL- BUILDINGS MATERIALS	Masonary and Plaster Mortar	Compressive Strength	IS 2250
34	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Abrasion Resistance	IS 15658
35	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
36	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
37	MECHANICAL- BUILDINGS MATERIALS	Reinforccement Steel (Rebar)	Mass per meter	IS 1786

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38	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Ultimate Tensile Strength	IS 1608 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (Rebar)	Bend Test	IS 1599
40	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (Rebar)	Percentage Elongation	IS 1608 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bars	Yield Stress	IS 1608 (Part 1)
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcemment Steel (Rebar)	Rebend Test	IS 1786
43	MECHANICAL- SOIL AND ROCK	Clays & Soils	CBR Test	IS 2720 (Part 16)
44	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear Test (Angle of Friction, F)	IS 2720 (Part 13)
45	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear Test (Cohesion, C)	IS 2720 (Part 13)
46	MECHANICAL- SOIL AND ROCK	Clays & Soils	Free Swell Index	IS 2720 (Part 40)
47	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain Size Analysis by Hydrometer Test (0.002 mm and 0.075 mm)	IS 2720 (Part 4)
48	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain Size Distribution (Wet Sieving)	IS 2720 (Part 4)
49	MECHANICAL- SOIL AND ROCK	Clays & Soils	Liquid Limit	IS 2720 (Part 5)
50	MECHANICAL- SOIL AND ROCK	Clays & Soils	Moisture Content	IS 2720 (Part 2)
51	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plastic Limit	IS 2720 (Part 5)
52	MECHANICAL- SOIL AND ROCK	Clays & Soils	Proctor Test- Heavy Compaction (OMC)	IS 2720 (Part 8)
53	MECHANICAL- SOIL AND ROCK	Clays & Soils	Proctor Test- Light Compaction Test (MDD)	IS 2720 (Part 7)
54	MECHANICAL- SOIL AND ROCK	Clays & Soils	Proctor Test- Light Compaction Test (OMC)	IS 2720 (Part 7)
55	MECHANICAL- SOIL AND ROCK	Clays & Soils	Proctor Test-Heavy Compaction (MDD)	IS 2720 (Part 8)

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56	MECHANICAL- SOIL AND ROCK	Clays & Soils	Specific Gravity	IS 2720 (Part 3/ Section 1)
57	MECHANICAL- SOIL AND ROCK	Rocks	Compressive Strength	IS 9143
58	MECHANICAL- SOIL AND ROCK	Rocks	Density	IS 13030
59	MECHANICAL- SOIL AND ROCK	Rocks	Point Load Index	IS 8764
60	MECHANICAL- SOIL AND ROCK	Rocks	Specific Gravity	IS 1124
61	MECHANICAL- SOIL AND ROCK	Rocks	Water Absorption	IS 1124

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration test	IS 2131
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity Test	IS 516 (Part 5, Section 1)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer Test	IS 516 (Part 5, Section 4)