National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SOIGNE ENGINEERING CONSULTANTS, SCF - 23, MOTOR MARKET, MANIMAJRA, CHANDIGARH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 23/06/2022 to 22/06/2024 **Last Amended on** 01/08/2022

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	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening point	IS 1205
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific gravity	IS 1202
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Standard Penetration test	IS 1203
5	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bitumen Extraction	IRC SP-11 Appendix 5
6	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Bricks, Fly Ash Bricks, AAC Blocks, etc.)	Bulk Density	IS 2180
7	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Bricks, Fly Ash Bricks, AAC Blocks, etc.)	Compressive Strength	IS 3495(Part-1)
8	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Bricks, Fly Ash Bricks, AAC Blocks, etc.)	Dimension (Width)	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Bricks, Fly Ash Bricks, AAC Blocks, etc.)	Dimensions (Height)	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Bricks, Fly Ash Bricks, AAC Blocks, etc.)	Dimensions (Length)	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Bricks, Fly Ash Bricks, AAC Blocks, etc.)	Efflorescence	IS 3495(Part-3)
12	MECHANICAL- BUILDINGS MATERIALS	Brick (Clay Bricks, Fly Ash Bricks, AAC Blocks, etc.)	Water Absorption	IS 3495 (Part-2)
13	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tile	Water Absorption	IS 1237 Annex - E
14	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tile	Wet Transverse Strength	IS 1237 Annex - F
15	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Breadth)	IS 1237
16	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Length)	IS 1237
17	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Thickness)	IS 1237
18	MECHANICAL- BUILDINGS MATERIALS	Ceramic/vitrified Tile	Bulk Density	IS 13630 (Part - 2)

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19	MECHANICAL- BUILDINGS MATERIALS	Ceramic/Vitrified Tile	Determination of Dimensions and Surface Quality	IS 13630 (Part - 1)
20	MECHANICAL- BUILDINGS MATERIALS	Ceramic/Vitrified Tile	Water Absorption	IS 13630 (Part - 2)
21	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Dimension (Breadth)	IS:13801
22	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Dimension (Length)	IS:13801
23	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Dimension (Thickness)	IS:13801
24	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Flatness of tile surface	IS:13801 Annex - B
25	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Perpendicularity	IS:13801 Annex - C
26	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Straightness	IS:13801 Annex - D
27	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Water Absorption	IS:13801 Annex - E
28	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Wet transverse Strength	IS:13801 Annex - F
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 (Part-4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose and Rodded)	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part-4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion test	IS 2386 (Part-4)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Particle Size Analysis (Sieve Analysis)	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube & Cylinders	Compressive Strength	IS 516
39	MECHANICAL- BUILDINGS MATERIALS	Concrete Mixers	Workability (Slump Test)	IS 1199
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose & Rodded)	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75µ	IS 2386 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Particle Size Analysis (Sieve Analysis)	IS 2386 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS 2386 (Part 2)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water absorption	IS 2386 (Part - 3)
47	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB)	Aggregate Impact Value	IS 2386 (Part-4)
48	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB)	California bearing Ratio test	IS 2720 (Part-16)
49	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB)	Liquid limit	IS 2720 (Part-5)
50	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB)	Maximum Dry Density & Optimum Moisture Content	IS 2720(Part-8)
51	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB)	Particle Size Analysis (Sieve Analysis)	IS 2720 (Part 4)
52	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB)	Plastic limit	IS 2720 (Part-5)
53	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB)	Specific Gravity	IS 2720 (Part 3)
54	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB)	Water content	IS 2720-(Part 2)
55	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC & PPC)	Compressive Strength	IS 4031 (Part 6)
56	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC & PPC)	Final Setting Time	IS 4031 (Part 5)

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57	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC & PPC)	Fineness Test (Dry Sieving)	IS 4031 (Part 1)
58	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC & PPC)	Initial Setting Time	IS 4031 (Part 5)
59	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC & PPC)	Normal Consistency test	IS 4031 (Part 4)
60	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC & PPC)	Soundness test (By Lechatlier Apparatus)	IS 4031 (Part 3)
61	MECHANICAL- BUILDINGS MATERIALS	Interlocking paver block//Precast Blocks	Dimension	IS 15658
62	MECHANICAL- BUILDINGS MATERIALS	Interlocking paver block/Paver block/Precast Blocks	Compressive strength	IS 15658 Annex D
63	MECHANICAL- BUILDINGS MATERIALS	Interlocking paver block/Paver block/Precast Blocks	Water absorption	IS 15658 Annex C
64	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs & Channels	Dimension (Height)	IS 5758
65	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs & Channels	Dimension (Length)	IS 5758
66	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs & Channels	Dimension (Thickness)	IS 5758
67	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs & Channels	Water Absorption	IS 5758
68	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Aggregate Impact Value	IS 2386 (Part-4)
69	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Crushing Value	IS 2386 (Part-4)
70	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Elongation Index	IS 2386 (Part 1)
71	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Flakiness Index	IS 2386 (Part 1)
72	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Los Angeles Abrasion test	IS 2386 (Part-4)
73	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Particle Size Analysis (Sieve Analysis)	IS 2386 (Part 1)
74	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Specific Gravity	IS 2386 (Part 3)
75	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Water content	IS 2720-(Part 2)

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76	MECHANICAL- SOIL AND ROCK	Clay & Soil	Maximum Dry Density & Optimum Moisture Content	IS 2720 (Part-7), IS 2720 (Part-8)
77	MECHANICAL- SOIL AND ROCK	Clay & Soils	Specific Gravity	IS 2720 (Part 3)
78	MECHANICAL- SOIL AND ROCK	Clays & Soil	California Bearing Ratio test	IS 2720 (Part-16)
79	MECHANICAL- SOIL AND ROCK	Clays & soil	Consolidation test (Cc value)	IS 2720 (Part-15)
80	MECHANICAL- SOIL AND ROCK	Clays & Soil	Direct Shear test	IS 2720 (Part-13)
81	MECHANICAL- SOIL AND ROCK	Clays & Soil	Free Swell Index	IS 2720 (Part 40)
82	MECHANICAL- SOIL AND ROCK	Clays & Soil	Liquid Limit	IS 2720 (Part-5)
83	MECHANICAL- SOIL AND ROCK	Clays & Soil	Particle size Analysis (Sieve Analysis) 125 mm to 0.075 mm	IS 2720 (Part 4)
84	MECHANICAL- SOIL AND ROCK	Clays & Soil	Plastic Limit	IS 2720 (Part-5)
85	MECHANICAL- SOIL AND ROCK	Clays & Soil	Water Content	IS 2720-(Part 2)
86	MECHANICAL- SOIL AND ROCK	Natural Stone	Compressive strength	IS 1121 (Part 1)
87	MECHANICAL- SOIL AND ROCK	Natural Stone	Specific Gravity	IS 1124
88	MECHANICAL- SOIL AND ROCK	Natural Stone	Water absorption	IS 1124

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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
Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Concrete Mixers	Workability (Slump Test)	IS 1199
2	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB)	Field Density by Sand Replacement Method	IS 2720 (Part 28)
3	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Field Density by Sand Replacement Method	IS 2720 (Part 28)
4	MECHANICAL- SOIL AND ROCK	Clays & Soil	Field density by Core cutter method	IS 2720 (Part 29)
5	MECHANICAL- SOIL AND ROCK	Soil/Boulder/Rock	Modulus of Subgrade Reaction (K Value)	IS 9214
6	MECHANICAL- SOIL AND ROCK	Soil/Boulder/Rock	Plate load test	IS 1888
7	MECHANICAL- SOIL AND ROCK	Soil/Boulder/Rock	Standard Penetration test (SPT)	IS 2131