National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SOILTECH CONSULTANTS, 106/E, SOUTH S.K. PURI, PATNA, BIHAR, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-8989 **Page No** 1 of 6
Validity 09/09/2022 to 08/09/2024 **Last Amended on** 10/03/2023

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	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength	IS:516 (Part 1/Sec 1)
2	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Fineness by Blaine Air Permeability	IS:4031(Part-2)
3	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Standard Consistency	IS:4031(Part-4)
4	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Block Density	IS: 6441 (Part-1)
5	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS: 6441 (Part-5)
6	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimensions - Length	IS: 2185 (Part-3)
7	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimensions - Thickness	IS: 2185 (Part-3)
8	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimensions - Width	IS: 2185 (Part-3)
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension-Height	IS :1077
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension- Length	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension- Width	IS: 1077
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks , Pulverized Fuel Ash-Lime Bricks	Compressive Strength	IS:3495 (Part-1)
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks, Pulverized Fuel Ash-Lime Bricks,	Efflorescene	IS: 3495 (Part-3)
14	MECHANICAL- BUILDINGS MATERIALS	Burnt ClayBuilding Bricks, Pulverized Fuel Ash-Lime Bricks	Water Absorption	IS:3495(Part-2)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (MgSO4)	IS 2386 part 5
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS:2386 (Part-1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fines Value	IS:2386(Part-4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Loose & Rodded)	IS:2386 (Part-3)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS:2386(Part-4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Material (Coal and Lignite)	IS:2386(Part-2)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Materials (75 micron Finer)	IS:2386(Part-1)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Materials (Clay and Lumps)	IS:2386(Part-2)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS:2386(Part-1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact value	IS:2386(Part-4)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles Abrasion Value	IS:2386(Part-4)
26	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)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness (Na2SO4)	IS:2386 (Part-5)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS:2836(Part-3)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Stripping Value	IS: 6241
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS: 2386 (Part-3)
31	MECHANICAL- BUILDINGS MATERIALS	Concrete Cores	Compressive Strength	IS 516 : Part 4
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density (Loose & Rodded)	IS:2386 (Part-3)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking of Sand	IS: 2386 (P-3)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Material (Clay and Lumps)	IS:2386 (Part-2)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Materials (75 micron Finer)	IS:2386(Part-1)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Materials (Coal and Lignite)	IS:2386(Part-2)

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37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurity	IS:2386 (Part-2)
38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (Sieve Size – 10 mm, 4.75 mm, 2.36 mm, 1.18 mm, 600 µm, 300 µm, 150 µm & 75 µm)	IS:2386 (Part-1)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt & Clay Content	IS: 2386 (Part-2)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness (MgSO4)	IS 2386 part 5
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness (Na2SO4)	IS:2386 (Part-5)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS:2386(Part-3)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS: 2386 (Part-3)
44	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle Retained on 45 micron IS Sieve, %	IS:1727
45	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS:1727
46	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Compressive Strength	IS: 2185 (Part-1)
47	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Block Density	IS: 2185 (Part-1)
48	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Dimension - Width	IS: 2185 (Part-1)
49	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Dimensions - Length	IS: 2185 (Part1)
50	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Dimensions - Thickness	IS: 2185 (Part-1)
51	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Water Absorption	IS: 2185 (Part-1)
52	MECHANICAL- BUILDINGS MATERIALS	Hollow And Solid Light Weight Concrete Blocks	Block Density	IS: 2185 (Part-1)
53	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Initial Setting Time	IS: 4031(Part-5)
54	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Compressive Strength (72 hrs,168 hrs 672 hrs)	IS 4031(Part-6)

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55	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Final Setting Time	IS: 4031(Part-5)
56	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Soundness by Le-Chatelier	IS:4031(Part-3)
57	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC)	Fineness by Dry Sieving	IS: 4031 (Part-1)
58	MECHANICAL- BUILDINGS MATERIALS	Pre Cast Concrete Paver Blocks	Compressive Strength	IS:15658
59	MECHANICAL- BUILDINGS MATERIALS	Pre Cast Concrete Paver Blocks	Dimension-Thickness	IS:15658
60	MECHANICAL- BUILDINGS MATERIALS	Pre Cast Concrete Paver Blocks	Thickness of Wearing Layer	IS:15658
61	MECHANICAL- BUILDINGS MATERIALS	Pre Cast Concrete Paver Blocks	Water Absorption	IS:15658
62	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Lime Bricks	Dimension (Height)	IS: 12894
63	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Lime Bricks	Dimensions (Length)	IS :12894
64	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Lime Bricks	Dimension (Width)	IS: 12894
65	MECHANICAL- BUILDINGS MATERIALS	Workability of concrete	Slump Test	IS:1199 (Part -1)
66	MECHANICAL- SOIL AND ROCK	Soils	California Bearing Ration (CBR Value)	IS:2720(Part -16)
67	MECHANICAL- SOIL AND ROCK	Soils	Direct Shear Test - Cohesion Intercept	IS 2720 (Part-13)
68	MECHANICAL- SOIL AND ROCK	Soils	Direct Shear Test-Angle of Internal Friction	IS 2720 (Part-13)
69	MECHANICAL- SOIL AND ROCK	Soils	Free Swell Index	IS 2720 (Part-40)
70	MECHANICAL- SOIL AND ROCK	Soils	Grain Size Analysis (Dry & Wet) (75 mm to 75 micron)	IS 2720(Part-4)
71	MECHANICAL- SOIL AND ROCK	Soils	Heavy Compaction - MDD	IS: 2720(Part-8)
72	MECHANICAL- SOIL AND ROCK	Soils	Heavy Compaction - OMC	IS: 2720(Part-8)
73	MECHANICAL- SOIL AND ROCK	Soils	Light Compaction - MDD	IS: 2720 (Part-7)

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74	MECHANICAL- SOIL AND ROCK	Soils	Light Compaction - OMC	IS: 2720 (Part-7)
75	MECHANICAL- SOIL AND ROCK	Soils	Liquid Limit	IS: 2720(Part-5)
76	MECHANICAL- SOIL AND ROCK	Soils	Moisture Content	IS 2720(Part-2)
77	MECHANICAL- SOIL AND ROCK	Soils	Plastic Limit	IS: 2720(Part-5)
78	MECHANICAL- SOIL AND ROCK	Soils	Specific Gravity	IS 2720(Part-3/Sec.1)
79	MECHANICAL- SOIL AND ROCK	Soils	Triaxial Compression Test (UU) - Angle of Internal Friction	IS 2720 (Part-11)
80	MECHANICAL- SOIL AND ROCK	Soils	Triaxial Compression Test (UU) - Cohesion Intercept	IS 2720(Part-11)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soils	Field Density Test (Core-Cutter Method)	IS:2720 (Part-29)