National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PTH CONSULTANCY SERVICES LLP, PLOT NO.12, SHIV SHAKTI CAMPUS, PUNA CANAL BRTS ROAD, VARACHHA, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/07/2022 to 23/07/2024 **Last Amended on** 26/06/2023

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	AAC Block	Bulk Density	IS 6441 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension-Height	IS 2185 Part-3
4	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension-length	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension-Width	IS 2185 Part 3
6	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Drying Shrinkage	IS 6441 (part 2)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematics Viscosity	IS 1206 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
13	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP-11 Appendix 5 Clause C
14	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D 2726/D2726 M-19
15	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D 6927
16	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927
17	MECHANICAL- BUILDINGS MATERIALS	Brick (Burnt Clay/Fly Ash)	Thickness - Burnt clay bricks	IS 1077
18	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Compressive Strength	IS 3495 Part:1

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19	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Efflorescence	IS 3495 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly ash)	Length - Burnt Clay Bricks	IS 1077
21	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Water Absorption	IS 3495 (Part 2)
22	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Width - Burnt Clay Bricks	IS 1077
23	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly ash/ Burnt clay)	Initial rate of absorption	IS 3495 (Part 5)
24	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
25	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
26	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
27	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Blaine's Air Permeability	IS 4031 (Part 2)
28	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
29	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-chatelier method	IS 4031 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value - Los Angeles	IS 2386 (Part 4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing value	IS 2386 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Dry Loose Bulk Density	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Rodded Bulk Density	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (80 mm to 4.75 mm)	IS 2386 (Part 1)

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38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/GSB	Impact Value	IS 2386 (Part 4)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/GSB	Soundness by Mgso4	IS 2386 (Part 5)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate/GSB	Soundness by Na2So4	IS 2386 (Part 5)
43	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength - Cube	IS 516 Part 1- Section 1
44	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516 Part 1-Section 1
45	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive strength	IS 516(Part 4)
46	MECHANICAL- BUILDINGS MATERIALS	Concrete Mix Design	Slump Test	IS 1199 Part-2
47	MECHANICAL- BUILDINGS MATERIALS	Coupler	Distance of Fracture	IS 16172
48	MECHANICAL- BUILDINGS MATERIALS	Coupler	UTS	IS 16172
49	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk density	IS 2386 (Part 3)
50	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 Micron	IS 2386 (Part 1)
51	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (4.75 mm to 75 µ)	IS 2386 (Part 1)
52	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by MgSo4	IS 2386 (Part 5)
53	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Na2So4	IS 2386 (Part 5)
54	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
55	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
56	MECHANICAL- BUILDINGS MATERIALS	GSB	CBR Test	IS 2720 Part 16

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57	MECHANICAL- BUILDINGS MATERIALS	GSB	Gradation	Morth 5th revesion
58	MECHANICAL- BUILDINGS MATERIALS	GSB	Liquid limit	IS 2720 Part-5
59	MECHANICAL- BUILDINGS MATERIALS	GSB	Plasticity index	IS 2720 Part-5
60	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	0.2% Proof Stress	IS 1608
61	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Bend Test	IS 1599
62	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Elongation	IS 1608
63	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Mass Per Meter	IS 1786
64	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Rebend Test	IS 1786
65	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Tensile Strength	IS 1608
66	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	TS/YS Ratio	IS 1786
67	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars	Yield Stress	IS 1608
68	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Compressive Strength	IS 15658
69	MECHANICAL- BUILDINGS MATERIALS	Precast concrete paving block	Paver Block Area	IS 15658
70	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Water Absorption	IS 15658
71	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
72	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (Soacked)	IS 2720 Part 16
73	MECHANICAL- SOIL AND ROCK	Soil	Consolidation test (Pc)	IS 2720 P-15)
74	MECHANICAL- SOIL AND ROCK	Soil	Consolidation test(Cc)	IS 2720 Part-15
75	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) - C	IS 2720 (Part 13)

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76	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) - Phi (F)	IS 2720 (Part 13)
77	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
78	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - MDD	IS 2720 (Part 8)
79	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - OMC	IS 2720 (Part 8)
80	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer	IS 2720 P-4
81	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - OMC	IS 2720 (Part 7)
82	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction- MDD	IS 2720 (Part 7)
83	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
84	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
85	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage limit	IS 2720 P-6
86	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis (Wet/Dry Analysis)	IS 2720 (Part 4)
87	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity (Fine Grain Soil)	IS 2720 (Part 3/Sec 1)
88	MECHANICAL- SOIL AND ROCK	Soil	Triaxial (Cohesion)	IS 2720 (Part 11)
89	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear (Phi - F)	IS 2720 (Part 11)
90	MECHANICAL- SOIL AND ROCK	Soil	Unconfined compressive strength	IS 2720 P-10

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Field test	FDD by Core cutter	IS 2720 P-29
2	MECHANICAL- SOIL AND ROCK	Field test	FDD by sand replacement	IS 2720 P-28
3	MECHANICAL- SOIL AND ROCK	Field Test	FMC by Core Cutter	IS 2720 Part 29
4	MECHANICAL- SOIL AND ROCK	Field Test	FMC by Sand replacement	IS 2720 Part 28
5	MECHANICAL- SOIL AND ROCK	Field Test	Pile Load Test	IS 2911 Part-4
6	MECHANICAL- SOIL AND ROCK	Field test	Plate load test	IS 1888
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Carbonation Test	BS 1881 Part 201
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Pile Integrity Test	ASTM D 5882-16
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Pile Integrity Test	IS 14893
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Rebound Hammer Test	IS 516 P-5 sec-4
11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	UPV Test	IS 516 Part-5 Sec-1