National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : YUKU TECH AND CIVIL SOLUTION PRIVATE LIMITED (LABORATORY), PLOT NO. 20, MOSAIC LAND, RAJKOT ROAD, SAKAT SANALA, MORBI, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 19/01/2023 to 18/01/2025 **Last Amended on** 04/02/2023

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	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity @ 135 °C	IS 1206 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss in Mass (Thin Film Oven Test)	IS 9382
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Density of the Mix	ASTM D 2726
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal Flow Test	ASTM D 6927
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal Stability	ASTM D 6927
12	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Compressive strength	IS 4031 (Part 6)
18	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Consistency	IS 4031 (Part 4)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Density	IS 4031 (Part 11)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Final Setting Time	IS 4031 (Part 5)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Fineness by Blaine Air Permeability	IS 4031 (Part 2)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Fineness by Dry Sieving	IS 4031 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Initial Setting Time	IS 4031 (Part 5)
24	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fines Value	IS 2386 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles Abrasion Value	IS 2386 (Part 4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (4.75 mm to 80 mm)	IS 2386 (Part 1)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk density	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516 (Part 1, Section 1)
36	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump Test	IS 1199 (Part 2)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk density	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 micron	IS 2386 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (75 micron to 4.75mm)	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Hardened concrete	Flexural Strength	IS 516 (Part 1, Section 1)
43	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Block Density	IS 2185 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Height)	IS 2185 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Length)	IS 2185 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (Part 1)
47	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1)
48	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
49	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
50	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	0.2% Proof Stress	IS 1608 (Part 1)
51	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Elongation	IS 1608 (Part 1)
52	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Mass per Meter	IS 1786
53	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Tensile Strength	IS 1608 (Part 1)
54	MECHANICAL- SOIL AND ROCK	Soil	Gradation (75 micron to 40 mm)	IS 2720 (Part 4)
55	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
56	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)

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57	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Light Compaction)	IS 2720 (Part 7)
58	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
59	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle)	IS 2720 (Part 13)
60	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
61	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
62	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density (Heavy Compaction)	IS 2720 (Part 8)
63	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density (Light Compaction)	IS 2720 (Part 7)
64	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Heavy Compaction)	IS 2720 (Part 8)
65	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
66	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 1)
67	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
68	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Clay & Soils	Standard Penetration	IS 2131
2	MECHANICAL- SOIL AND ROCK	Clay & Soils	Dry Density (Sand Replacement Method)	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Clay & Soils	Dry Density (Core Cutting Method)	IS 2720 (Part 29)