National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRECIOUS LABS, PLOT NO. 19, NIZAM SUGAR FACTORY EMPLOYEES COLONY, NARAPALLY VILLAGE, GHATKESAR MANDAL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9936 **Page No** 1 of 3

Validity 04/10/2021 to 03/10/2023 **Last Amended on** 26/10/2021

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 Blocks	Block Density	IS 6441(Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compression Strength	IS:6441 (part 5)
3	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimensions: Height	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimensions: Length	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimensions: Width	IS 2185 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Moisture content	IS 6441(part 1)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshal Stability	ASTM D 6927
13	MECHANICAL- BUILDINGS MATERIALS	Burnt clay/ fly ash / fly ash lime bricks	Efflorescence	IS 3495 (part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Burnt clay/fly ash /fly ash lime bricks	Compression strength	IS 3495 Part-1
15	MECHANICAL- BUILDINGS MATERIALS	Burnt clay/flyash/flyash lime bricks	Water Absorption	IS 3495 part 2
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	Is 2386 (Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing value	IS 2386 (part 4)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Sieve Analysis 80 mm to 2.36 mm	IS 2386 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	Is 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulkage	IS 2386 (PART 3)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer Than 75 Micron	IS 2386 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Moisture content	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis 10 mm to 0.150 mm	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Core	Compression Strength	IS 516 (part-4)
31	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compression Strength	IS 516
32	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Block Density	IS 2185 (PART 1)
33	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Compression strength	IS 2185(part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Dimensions: length	IS 2185 (part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Dimensions: Height	IS 2185 (part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Dimensions: Width	IS 2185 (part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Hollow and solid concrete blocks	Water absorption	IS 2185 (part 1)

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38	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compression strength	IS:15658
39	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimensions : length, width & Thickness	IS 15658
40	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS:15658
41	MECHANICAL- BUILDINGS MATERIALS	Steel	Weight Per Metre	IS 1786
42	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction : MDD	IS 2720 (Part 7)
43	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS 2720 (Part 16)
44	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Angle of internal friction)	IS 2720 (Part 13)
45	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear(Cohesion)	IS 2720 (Part 13)
46	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
47	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
48	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction : OMC	IS 2720 (Part 8)
49	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS 2720 (Part 8)
50	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: OMC	IS 2720 (Part 7)
51	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
52	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)