National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MPAD ENGINEERING QUALITY CONTROL LAB, PLOT NO. CFC- 4/A/1, MAHESHWARAM MANDAL, HARDWARE PARK, SHAMSHABAD, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10775 **Page No** 1 of 4

Validity 01/07/2022 to 30/06/2024 **Last Amended on** 11/08/2022

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	AAC Blocks	Bulk Density	IS: 6441 (Part-1)
2	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compressive Strength	IS: 6441 (Part-5)
3	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimensions - height	IS:2185 part
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	Bricks	Compressive Strength	IS: 3495 (Part-1)
8	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension Height	IS: 1077
9	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension Length	IS: 1077
10	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension Width	IS: 1077
11	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS:3495 (Part-2)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Bulk density and Voids (Loose)	IS 2386 Part-3
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density & Voids (Rodded)	IS: 2386 (Part-3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Crushing value	IS: 2386 (Part-4)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Elongation Index	IS: 2386 (Part-1)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Flakiness Index	IS: 2386 (Part-1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Impact value	IS: 2386 (Part-4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis(4.75 mm to 80 mm)	IS: 2386 (Part-1)

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Certificate Number TC-10775 **Page No** 2 of 4

Validity 01/07/2022 to 30/06/2024 **Last Amended on** 11/08/2022

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS: 2386 (part-3)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS: 2386 (part-3)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density Loose	IS: 2386 (Part-3)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density Rodded	IS: 2386 (Part-3)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75micron	IS: 2386 (Part-1)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis(0.015 mm-10 mm)	IS: 2386 (Part-1)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS: 2386 (part-3)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength (CC Core)	IS: 516 (Part-4)
28	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength (CC Cube)	IS: 516 1959
29	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Nominal Mass	IS: 1786
30	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Percentage of elongation	Is 1608 (part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Tensile strength	Is 1608 (part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Yield stress	Is 1608 (part 1)
33	MECHANICAL- SOIL AND ROCK	Rock	point load strength index	Is 8764
34	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS: 9143
35	MECHANICAL- SOIL AND ROCK	Rock	water content	IS: 13030
36	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Angle or shearing resistance value	IS: 2720 (Part-13)
37	MECHANICAL- SOIL AND ROCK	Soil	Direct shear, Cohesion	IS: 2720 (Part-13)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10775	**Page No**	3 of 4
Validity	01/07/2022 to 30/06/2024	**Last Amended on**	11/08/2022

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38	MECHANICAL- SOIL AND ROCK	Soil	Free swell index	IS:2720 (Part-40)
39	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis(0.075mm-(10.0mm)	IS: 2720 (Part-4)
40	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS:2720 (Part-8)
41	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS:2720 (Part-8)
42	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS:2720 (Part-7)
43	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS:2720 (Part-7)
44	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS: 2720 (Part -5)
45	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS: 2720 (Part -5)
46	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS: 2720 (Part-3)
47	MECHANICAL- SOIL AND ROCK	Soil	Water content by Oven Drying Method	IS: 2720 (Part-2)

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Certificate Number	TC-10775	**Page No**	4 of 4
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Site Facility				
1	MECHANICAL- SOIL AND ROCK	soil	ULTIMATE BEARING CAPACITY/ SAFE BEARING PRESSURE/SETTLEMENT	IS 1888