National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MAARK CIVIL ENGINEERING SERVICES PRIVATE LIMITED, CIVIL ENGINEERING MATERIAL & FIELD TESTING LABORATORY, FLOT NO-101, PLOT NO 25, INDU RESIDENCY, KONDAPUR, HYDERABAD, RANGA REDDY, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 26/10/2021 to 25/10/2023 **Last Amended on** -

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	Moisture content	IS:6441(Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Binder Content	IRC SP 11
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Density	ASTMD 2726
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Flow Value	ASTM D 6927
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshal Stability	ASTM D 6927
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension - Height	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension - Length	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension - Width	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495(Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)
14	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
15	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part-11)
16	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
17	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Blaine's Air Permeability Method	IS 4031(Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier Expansion Method	IS 4031 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031(Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (loose)	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2SO4	IS 2386 (Part 5)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fines Value	IS 2386 (Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Rodded)	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386(Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386(Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386(Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis(2.36 mm to 80 mm)	IS 2386(Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by MgSO4	IS 2386 (Part 5)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386(Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386(Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Dimension - Length	IS 15658 (Annex-B)
34	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Compressive Strength	IS 15658 (Annex-D)
35	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Dimension - Thickness	IS 15658 (Annex-B)
36	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Dimension - Width	IS 15658 (Annex-B)
37	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Water Absorption	IS 15658 (Annex-C)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density loose	IS 2386(Part III)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density Rodded	IS 2386(Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75micron	IS 2386(Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis(150 microns-10 mm)	IS 2386(Part 1)
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 Bricks	Compressive Strength	IS: 12894
45	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Efflorescence	IS 12894 Part 3
46	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Water Absorption	IS 12894 Part 2
47	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
48	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength (Core)	IS 516 (part-4)
49	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength (Cube)	IS 516
50	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	IS 516
51	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars for Concrete Reinforcement	Mass per Meter	IS 1786
52	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Ductility	IS 1208
53	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Fire Point	IS 1209
54	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Flash Point	IS 1209
55	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Penetration	IS 1203
56	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Softening Point	IS 1205

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57	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Specific Gravity	IS 1202
58	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1124
59	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
60	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
61	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
62	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Angle or Shearing Resistance Value	IS 2720 (Part13)
63	MECHANICAL- SOIL AND ROCK	soil	Direct shear, Cohesion	IS 2720 (Part 13)
64	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	Is 2720 (Part 40)
65	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis(0.075mm-4.75mm)	IS 2720 (Part 4)
66	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720(Part 8)
67	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction(MDD)	IS 2720(Part 8)
68	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
69	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
70	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
71	MECHANICAL- SOIL AND ROCK	Soil	Permeability by Falling Head Method	IS 2720 (Part 17)
72	MECHANICAL- SOIL AND ROCK	Soil	Permeability of Soil by Constant Head Method	IS 2720 (Part-17)
73	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 (Part 5)
74	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage limit	IS 2720 (Part 6)
75	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 /Sec 1)

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76	MECHANICAL- SOIL AND ROCK	Soil	Water content by Oven Drying Method	IS 2720 (Part 2)

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Flexible Pavement	Benkelmen Beam Deflection	IRC 81
2	MECHANICAL- BUILDINGS MATERIALS	Highway Pavement	Roughness Index	IRC SP 16
3	MECHANICAL- SOIL AND ROCK	Soil	Dry Density by Core Cutting	IS 2720 (Part 29)
4	MECHANICAL- SOIL AND ROCK	Soil	Dry Density by Sand Replacement Method	IS 2720 (Part 28)
5	MECHANICAL- SOIL AND ROCK	Soil	Dynamic Cone Penetration	ASTM D6951/ D6951M - 18
6	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131
7	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Rapid Moisture Meter (Calcium Carbide)	IS 2720 Part 2
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer	IS 516 (Part-5) Sec-4
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity	IS 516 (Part 5 /Sec 1)