National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MYRTLE PROJECT AND CONSULTANCY PVT. LTD., NO 333 , AZAGHU VINAYAGAR STREET, ALAGAPURAM, SALEM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 11/09/2022 to 10/09/2024 **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	Bitumen	Ductility	IS 1208
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point (R & B)	IS 1205
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
5	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay / Fly Ash)	Compressive strength	IS 3495 : Part 1
6	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay / Fly Ash)	Dimension Test - Height	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay / Fly Ash)	Dimension Test - Length	IS 1077
8	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay / Fly Ash)	Dimension Test - Width	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay / Fly Ash)	Efflorescence	IS 3495 : Part 3
10	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay / Fly Ash)	Water Absorption	IS 3495 : Part 2
11	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	10 % fines value	IS 2386 : Part 4
12	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Bulk Density (Loose)	IS 2386 : Part 3
13	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Bulk Density (Rodded)	IS 2386 : Part 3
14	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Crushing Value	IS 2386 : Part 4
15	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Deleterious materials (Clay & Lumps)	IS 2386 : Part 2
16	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Elongation index	IS 2386 : Part 1
17	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Flakiness index	IS 2386 : Part 1
18	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Impact value	IS 2386 : Part 4

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Sieve analysis (80mm to 4.75mm)	IS 2386 : Part 1
20	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Specific Gravity	IS 2386 : Part 3
21	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Voids	IS 2386 : Part 3
22	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Water absorption	IS 2386 : Part 3
23	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
24	MECHANICAL- BUILDINGS MATERIALS	Concrete	Concrete core testing	IS 516
25	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516
26	MECHANICAL- BUILDINGS MATERIALS	Concrete	Split Tensile strength	IS 5816
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Bulk Density (Loose)	IS 2386 : Part 3
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Bulking	IS 2386 : Part 3
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Deleterious materials (Clay & Lumps)	IS 2386 : Part 2
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Materials Finer than 75 Micron	IS 2386 : Part 1
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Organic Impurities	IS 2386 : Part 2
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Sieve analysis (4.75mm to 75 Microns)	IS 2386 : Part 1
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Specific Gravity	IS 2386 : Part 3
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Surface Moisture	IS 2386 : Part 3
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Water absorption	IS 2386 : Part 3
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Bulk Density (Rodded)	IS 2386 : Part 3
37	MECHANICAL- BUILDINGS MATERIALS	Masonry Blocks (Hollow & Solid)	Block Density	IS 2185 : Part 1

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38	MECHANICAL- BUILDINGS MATERIALS	Masonry Blocks (Hollow & Solid)	Compressive Strength	IS 2185 : Part 1
39	MECHANICAL- BUILDINGS MATERIALS	Masonry Blocks (Hollow & Solid)	Dimension (Length, Width, Thickness)	IS 2185 : Part 1
40	MECHANICAL- BUILDINGS MATERIALS	Masonry Blocks (Hollow & Solid)	Water Absorption	IS 2185 : Part 1
41	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive strength	IS 15658
42	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension (Length, Width, Thickness & Aspect Ratio)	IS 15658
43	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
44	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness (Dry & Wet)	IS 6186
45	MECHANICAL- SOIL AND ROCK	Bentonite	Free swell Index	IS 2720 (Part 40)
46	MECHANICAL- SOIL AND ROCK	Bentonite	Gel formation Index	IS 6186
47	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid limit	IS 2720 (Part 5)
48	MECHANICAL- SOIL AND ROCK	Bentonite	Loss of ignition	IS 6186
49	MECHANICAL- SOIL AND ROCK	Bentonite	Matter soluble in water	IS 6186
50	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture	IS 6186
51	MECHANICAL- SOIL AND ROCK	Bentonite	pH value	IS 6186
52	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
53	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling power	IS 6186
54	MECHANICAL- SOIL AND ROCK	Rock	Brazillian Test	IS 10082
55	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
56	MECHANICAL- SOIL AND ROCK	Rock	Direct shear Rock	IS 12634

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57	MECHANICAL- SOIL AND ROCK	Rock	Hardness Index (by Impact Hammer method)	IS 12608
58	MECHANICAL- SOIL AND ROCK	Rock	Modulus of Elasticity Test	IS 9221
59	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index Test	IS 8764
60	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
61	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS:1122
62	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
63	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS:1124
64	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
65	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR) - Soaked	IS 2720 (Part 16)
66	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR) - Unsoaked	IS 2720 (Part 16)
67	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15)
68	MECHANICAL- SOIL AND ROCK	Soil	Constant Head Permeability Test	IS 2720 (Part 17)
69	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test-Angle of Internal Friction (Consolidated - Undrained)	IS 2720 (Part 13)
70	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test-Angle of Internal Friction (Undrained)	IS 2720 (Part 13)
71	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test-Cohesion (Consolidated - Undrained)	IS 2720 : Part 13
72	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test-Cohesion (Undrained)	IS 2720 (Part 13)
73	MECHANICAL- SOIL AND ROCK	Soil	Falling Head Permeability Test	IS 2720 (Part 17)
74	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)

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75	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Distribution (4.75 mm to 0.075 mm)	IS 2720 (Part 4)
76	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (Maximum Dry Density)	IS 2720 (Part 8)
77	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (Optimum Moisture Content)	IS 2720 (Part 8)
78	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis (2 to 75 micron)	IS 2720 (Part 4)
79	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (Optimum Moisture Content)	IS 2720 (Part 7)
80	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit (Mechanical Method)	IS 2720 (Part 5)
81	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit -Soil Cone Penetrometer	IS 2720 (Part 5)
82	MECHANICAL- SOIL AND ROCK	Soil	Natural Moisture Content	IS 2720 (Part 2)
83	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
84	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
85	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
86	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure Test	IS 2720 (Part 41)
87	MECHANICAL- SOIL AND ROCK	Soil	Tri Axial Compression Test (UU)	IS 2720 (Part 11)
88	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Consolidated Drained (CD)	IS 2720 (Part 12)
89	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Consolidated Undrained (CU)	IS 2720 (Part 12)
90	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Test	IS 2720 (Part 10)
91	MECHANICAL- SOIL AND ROCK	Soil	Vane Shear Test	IS 2720 (Part 30)
92	MECHANICAL- SOIL AND ROCK	Soil	Water Content Test (Infra-red Moisture Meter)	IS 2720 (Part 2)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Core Cutter Method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Sand Replacement Method	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Sub Surface Profile	Electrical Resistivity Test (Schlumberger Array)	IS 15736
4	MECHANICAL- SOIL AND ROCK	Sub surface profile	Electrical Resistivity Test (Wenner array)	IS 15736
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC structures	Rebound Hammer	IS 13311 (Part 2)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC structures	Ultrasonic pulse velocity	IS 13311 (Part 1)