National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : COASTAL MARINE CONSTRUCTION AND ENGINEERING LIMITED, GEO LAB, C3 CUBE, MIRA-BHAYANDER ROAD, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8445 **Page No** 1 of 4

Validity 29/07/2022 to 28/07/2024 **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	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate Test on Soil	IS 2720 (Part-23)
2	CHEMICAL- SOIL AND ROCK	Soil	Chloride test on soil	IS 3025 (Part-32)
3	CHEMICAL- SOIL AND ROCK	Soil	Organic Content test on soil	ASTM D2974
4	CHEMICAL- SOIL AND ROCK	Soil	pH Value test on soil	ASTM D4972
5	CHEMICAL- SOIL AND ROCK	Soil	pH Value test on soil	IS 2720 (Part-26)
6	CHEMICAL- SOIL AND ROCK	Soil	Soluble Sulphate test on soil	IS 2720 (Part-27)
7	CHEMICAL- WATER	Water (Ground water, Surface water)	Chloride test on water	IS 3025 (Part-32)
8	CHEMICAL- WATER	Water (Ground water, Surface water)	pH Value test on Water	IS 3025 (Part-11)
9	CHEMICAL- WATER	Water (Ground water, Surface water)	Sulphate test on water	IS 3025 (Part-24)
10	MECHANICAL- SOIL AND ROCK	Rock	Apparent Specific Gravity test on Rock	IS 1124
11	MECHANICAL- SOIL AND ROCK	Rock	Brazilian test (Split Tensile strength Test) on Rock	ASTM D3967
12	MECHANICAL- SOIL AND ROCK	Rock	Brazilian test (Split Tensile strength Test) on Rock	IS 10082
13	MECHANICAL- SOIL AND ROCK	Rock	Compressive Strength Test on Rock	ASTM D7012
14	MECHANICAL- SOIL AND ROCK	Rock	Compressive Strength Test on Rock	IS 9143
15	MECHANICAL- SOIL AND ROCK	Rock	Density Test on Rock	ASTM D2216
16	MECHANICAL- SOIL AND ROCK	Rock	Density Test on Rock	IS 13030
17	MECHANICAL- SOIL AND ROCK	Rock	Modulus of Elasticity Test on Rock	ASTM D7012
18	MECHANICAL- SOIL AND ROCK	Rock	Modulus of Elasticity Test on Rock	IS 9221
19	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index Test on Rock	ASTM D5731

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20	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index Test on Rock	IS 8764
21	MECHANICAL- SOIL AND ROCK	Rock	Poissons Ratio Test on Rock	ASTM D7012
22	MECHANICAL- SOIL AND ROCK	Rock	Poissons Ratio Test on Rock	IS 9221
23	MECHANICAL- SOIL AND ROCK	Rock	Porosity Test on Rock	ASTM D2216
24	MECHANICAL- SOIL AND ROCK	Rock	Porosity Test on Rock	IS 13030
25	MECHANICAL- SOIL AND ROCK	Rock	Water absorption test on Rock	IS 1124
26	MECHANICAL- SOIL AND ROCK	Rock	Water Content Test on Rock	ASTM D2216
27	MECHANICAL- SOIL AND ROCK	Rock	Water Content Test on Rock	IS 13030
28	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Drained Triaxial Test on Soil (Angle of friction)	ASTM D7181
29	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Drained Triaxial Test on Soil (Angle of friction)	IS 2720 (Part-12)
30	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Drained Triaxial Test on Soil (Cohesion)	ASTM D7181
31	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Drained Triaxial Test on Soil (Cohesion)	IS 2720 (Part-12)
32	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Undrained Triaxial Test on Soil (Angle of friction)	ASTM D4767
33	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Undrained Triaxial Test on Soil (Angle of friction)	IS 2720 (Part-12)
34	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Undrained Triaxial Test on Soil (Cohesion)	ASTM D4767
35	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Undrained Triaxial Test on Soil (Cohesion)	IS 2720 (Part-12)
36	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test on Soil (Cc)	ASTM D2435
37	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test on Soil (Cc)	IS 2720 (Part-15)

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38	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test on Soil (Coefficient of Consolidation)	ASTM D2435
39	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test on Soil (Coefficient of Consolidation)	IS 2720 (Part-15)
40	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test on Soil (Pre-consolidation pressure)	ASTM D2435
41	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test on Soil (Pre-consolidation pressure)	IS 2720 (Part-15)
42	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test on Soil (Void ratio)	ASTM D2435
43	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test on Soil (Void ratio)	IS 2720 (Part-15)
44	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test on Soil (Angle of friction)	ASTM D6528
45	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test on Soil (Angle of friction)	IS 2720 (Part-13)
46	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test on Soil (Cohesion)	ASTM D6528
47	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test on Soil (Cohesion)	IS 2720 (Part-13)
48	MECHANICAL- SOIL AND ROCK	Soil	Electrical Resistivity test on soil by Wenner method	ASTM G57
49	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index test on Soil	IS 2720 (Part-40)
50	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis of Soil by Hydrometer	ASTM D7928
51	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis of Soil by Hydrometer	IS 2720 (Part-4)
52	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis of Soil by Wet Sieving	ASTM D6913
53	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis of Soil by Wet Sieving	IS 2720 (Part-4)
54	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit Test on Soil	ASTM D4318
55	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit Test on Soil	IS 2720 (Part-5)
56	MECHANICAL- SOIL AND ROCK	Soil	Permeability Test on soil	IS 2720 (Part-17)

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57	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit Test on Soil	ASTM D4318
58	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit Test on Soil	IS 2720 (Part-5)
59	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit Test on Soil	ASTM D4943
60	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit Test on Soil	IS 2720 (Part-6)
61	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity of Soil	ASTM D854
62	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity of Soil	IS 2720 (Part-3, Sec-1 & 2)
63	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure Test on Soil by Consolidometer method.	IS 2720 (Part-41)
64	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength Test on Soil	ASTM D2166
65	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength Test on Soil	IS 2720 (Part-10)
66	MECHANICAL- SOIL AND ROCK	Soil	Unconsoildated Undrained Triaxial test on soil (Angle of friction)	ASTM D2850
67	MECHANICAL- SOIL AND ROCK	Soil	Unconsoildated Undrained Triaxial test on soil (Angle of friction)	IS 2720 (Part-11)
68	MECHANICAL- SOIL AND ROCK	Soil	Unconsolidated Undrained Triaxial test on Soil (Cohesion)	ASTM D2850
69	MECHANICAL- SOIL AND ROCK	Soil	Unconsolidated Undrained Triaxial test on Soil (Cohesion)	IS 2720 (Part-11)
70	MECHANICAL- SOIL AND ROCK	Soil	Water Content of Soil	ASTM D2216
71	MECHANICAL- SOIL AND ROCK	Soil	Water Content of Soil	IS 2720 (Part-2)