National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : COS CONSULTANCY SERVICES - TESTING LABORATORY, 6/13, KAMARAJ NAGAR 4TH STREET, MADURAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9257 **Page No** 1 of 4

Validity 16/02/2021 to 15/02/2023 **Last Amended on** 03/05/2022

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	Burnt clay Bricks	Compressive Strength	IS 3495 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension	IS 1077
3	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks	Efflorescence	IS 3495 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Water Absorption	IS 3495(Part 2)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS:2386 (Part-IV)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part-III)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part IV)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS:2386 (Part-1)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS:2386 (Part-1)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (10mm)	IS:2386 (Part-I)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (20 mm)	IS:2386 (Part-I)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm)	IS:2386 (PART-I)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 (Part-III)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Ten Percent Fines	IS 2386 (Part IV)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS:2386 (Part-III)
16	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS:516
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Compacted Bulk Density	IS:2386 (Part-III)
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grade Size Analysis (150 MICRON)	IS:2386 (Part-I)

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19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grade Size Analysis (2.36 mm)	IS:2386 (Part-I)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grade Size Analysis (300 MICRON)	IS:2386 (Part-I)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grade Size Analysis (600 MICRON)	IS:2386 (Part-I)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Loose Bulk Density	IS:2386 (Part-III)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials Finer than 75 microns	IS:2386 (Part-I)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (1.18mm)	IS:2386 (Part-I)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS:2386 (Part-III)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Voids	IS:2386 (Part-III)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS:2386 (Part-III)
28	MECHANICAL- BUILDINGS MATERIALS	Hollow and Solid Blocks	Block Density	IS 2185 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Hollow and Solid Blocks	Compressive Strength	IS 2185 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Hollow and Solid Blocks	Water Absorption	IS 2185 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
32	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
33	MECHANICAL- SOIL AND ROCK	Rock	Brazillian Test (Indirect Tensile test)	IS:10082
34	MECHANICAL- SOIL AND ROCK	Rock	Dry Relative Density	IS:13030
35	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index Test	IS:8764
36	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS:13030
37	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS:1122

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38	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Test	IS:9143
39	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS:1124
40	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS:13030
41	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)-Soaked	IS:2720 (Part-16)
42	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)-Unsoaked	IS:2720 (Part-16)
43	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test-Compression Index	IS:2720 (Part-15)
44	MECHANICAL- SOIL AND ROCK	Soil	Constant Head Permeability	IS 2720 (Part 17)
45	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test	IS:2720 (Part-13)
46	MECHANICAL- SOIL AND ROCK	Soil	Falling Head Permeability Test	IS:2720(Part-17)
47	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index Test	IS:2720 (Part 40)
48	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Distribution (2.0 mm)	IS:2720 (Part-4)
49	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Distribution (4.75 mm)	IS:2720 (Part-4)
50	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Distribution (425 MICRON)	IS:2720 (Part-4)
51	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (Maximum Dry Density)	IS:2720 (Part-8)
52	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test(Optimum Moisture Content)	IS:2720 (Part-8)
53	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS:2720 (Part-4)
54	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (Maximum Dry Density)	IS:2720 (Part-7)
55	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (Optimum Moisture Content)	IS:2720 (Part-7)

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56	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS:2720 (Part-5)
57	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720 (Part-5)
58	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS:2720 (Part-6)
59	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS:2720 (Part-3 /Sec1)
60	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Test	IS:2720 (Part-10)
61	MECHANICAL- SOIL AND ROCK	Soil	Water Content (Oven Dried)	IS:2720 (Part-2)