



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

Validity 16/02/2021 to 15/02/2023

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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	Coarse Aggregate	Aggregate Impact Value	IS:2386 (Part-IV)
2	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS:2386 (Part-1)
3	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS:2386 (Part-1)
4	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (10mm)	IS:2386 (Part-I)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (20 mm)	IS:2386 (Part-I)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm)	IS:2386 (PART-I)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 (Part-I)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS:2386 (Part-III)
9	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS:516
10	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Compacted Bulk Density	IS:2386 (Part-III)
11	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grade Size Analysis (150 MICRON)	IS:2386 (Part-I)
12	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grade Size Analysis (2.36 mm)	IS:2386 (Part-I)
13	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grade Size Analysis (300 MICRON)	IS:2386 (Part-I)
14	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grade Size Analysis (600 MICRON)	IS:2386 (Part-I)
15	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Loose Bulk Density	IS:2386 (Part-III)
16	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials Finer than 75 microns	IS:2386 (Part-I)
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (1.18mm)	IS:2386 (Part-I)
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS:2386 (Part-III)



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19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Voids	IS:2386 (Part-III)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS:2386 (Part-III)
21	MECHANICAL- SOIL AND ROCK	Rock	Brazillian Test	IS:10082
22	MECHANICAL- SOIL AND ROCK	Rock	Dry Relative Density	IS:13030
23	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index Test	IS:8764
24	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS:13030
25	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS:1122
26	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Test	IS:9143
27	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS:1124
28	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS:13030
29	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)- Soaked	IS:2720 (Part-16)
30	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)- Unsoaked	IS:2720 (Part-16)
31	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test- Compression Index	IS:2720 (Part-15)
32	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test	IS:2720 (Part-13)
33	MECHANICAL- SOIL AND ROCK	Soil	Falling Head Permeability Test	IS:2720(Part-17)
34	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index Test	IS:2720 (Part 40)
35	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Distribution (2.0 mm)	IS:2720 (Part-4)
36	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Distribution (4.75 mm)	IS:2720 (Part-4)
37	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Distribution (425 MICRON)	IS:2720 (Part-4)



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38	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (Maximum Dry Density)	IS:2720 (Part-8)
39	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test(Optimum Moisture Content)	IS:2720 (Part-8)
40	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS:2720 (Part-4)
41	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (Maximum Dry Density)	IS:2720 (Part-7)
42	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (Optimum Moisture Content)	IS:2720 (Part-7)
43	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS:2720 (Part-5)
44	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720 (Part-5)
45	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS:2720 (Part-6)
46	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS:2720 (Part-3 /Sec1)
47	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test (UU Test)	IS:2720 (Part-11)
48	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Test	IS:2720 (Part-10)
49	MECHANICAL- SOIL AND ROCK	Soil	Water Content (Oven Dried)	IS:2720 (Part-2)