National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MTLS ENGINEERS PRIVATE LIMITED, H NO - 10-5, OM VIHAR COLONY, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8888 **Page No** 1 of 4

Validity 12/03/2022 to 11/03/2024 **Last Amended on** 13/03/2022

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	Autoclaved Aerated Concrete Blocks	Block Density	IS: 6441 (Part-1)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Compressive Strength	IS: 6441 (Part-5)
3	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS: 3495 (Part-1)
4	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS: 3495 (Part-3)
5	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS: 3495 (Part-2)
6	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS: 4031 (Part-6)
7	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS: 4031 (Part-4)
8	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS: 4031 (Part-5)
9	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS: 4031 (Part-5)
10	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier's Method	IS: 4031 (Part-3)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Crushing Value	IS: 2386 (Part-4)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS: 2386 (Part-4)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density Loose	IS: 2386 (Part-3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density Rodded	IS: 2386 (Part-3)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Determination of 10% Fines Value	IS: 2386 (Part-4)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS: 2386 (Part-1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS: 2386 (Part-1)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Particle Finer Than 75 microns	IS: 2386 (Part-1)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (2.36mm to 125mm)	IS: 2386 (Part-1)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS: 2386 (Part-3)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS: 2386 (Part-3)
22	MECHANICAL- BUILDINGS MATERIALS	Concrete Cores	Compressive Strength	IS: 516
23	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength	IS: 516
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density Loose	IS: 2386 (Part-3)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density Rodded	IS: 2386 (Part-3)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Particle Finer Than 75 microns	IS: 2386 (Part-1)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS: 2386 (Part-1)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS: 2386 (Part-3)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS: 2386 (Part-3)
30	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Concrete Blocks	Block Density	IS: 2185 (Part-1)
31	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Concrete Blocks	Compressive Strength	IS: 2185 (Part-1)
32	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Concrete Blocks	Dimensional Analysis of Length	IS: 2185 (Part-1)
33	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Concrete Blocks	Dimensional Analysis of Thickness	IS: 2185 (Part-1)
34	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Concrete Blocks	Dimensional Analysis of Width	IS: 2185 (Part-1)
35	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Concrete Blocks	Water Absorption	IS: 2185 (Part-1)
36	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS: 15658
37	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS: 15658

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38	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS: 2720 (Part-40)
39	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075 mm to 100 mm)	IS: 2720 (Part-4)
40	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS: 2720 (Part-8)
41	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS: 2720 (Part-8)
42	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS: 2720 (Part-7)
43	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS: 2720 (Part-7)
44	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS: 2720 (Part-5)
45	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS: 2720 (Part-2)
46	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS: 2720 (Part-5)

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS: 2386 (Part-3)
2	MECHANICAL- SOIL AND ROCK	Soil	Field Density (By Core Cutter Method)	IS: 2720 (Part-29)
3	MECHANICAL- SOIL AND ROCK	Soil	Field Density (By Sand Replacement Method)	IS: 2720 (Part-28)