



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ATME COLLEGE OF ENGINEERING (MECHANICAL LABORATORY), ATME COLLEGE OF ENGINEERING, HAROHALLI, MYSORE KANAKAPURA ROAD, VARUNA HOBLI, MYSORE, KARNATAKA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-15312

Page No

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Validity

15/01/2025 to 14/01/2029

Last Amended on

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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 Testing				
1	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Angularity Number	IS 2386 (Part 1, Clause No. 2)
2	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Bulk Density	IS 2386 (Part 3)
3	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Crushing Value	IS 2386 (Part 4)
4	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Elongation Index	IS 2386 (Part 1)
5	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Flakiness Index	IS 2386 (Part 1)
6	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Impact Value	IS 2386 (Part 4)
7	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Material Finer Than 75 Micron	IS 2386 (Part 1)
8	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Particle Size and Shape, Sieve Analysis (Size: 2.36 mm to 80.00 mm)	IS 2386 (Part 1, Clause No. 2)
9	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Water Absorption	IS 2386 (Part 3)
10	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density	IS 2386 (Part 3)
11	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Fine)	Material Finer Than 75 Micron	IS 2386 (Part 1)



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12	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Fine)	Particle Size and Shape, Sieve Analysis (Size: 150 micron to 10 mm)	IS 2386 (Part 3)
13	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Fine)	Specific Gravity	IS 2386 (Part 3)
14	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Fine)	Water Absorption	IS 2386 (Part 3)
15	MECHANICAL-BUILDINGS MATERIALS	Brick (Clay/Fly Ash)	Dimension - Height	IS 1077
16	MECHANICAL-BUILDINGS MATERIALS	Brick (Clay/Fly Ash)	Dimension - Length	IS 1077
17	MECHANICAL-BUILDINGS MATERIALS	Brick (Clay/Fly Ash)	Dimension - Width	IS 1077
18	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
19	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Consistency	IS 4031 (Part 4)
20	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Dry Sieving	IS 4031 (Part 1)
21	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
22	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
23	MECHANICAL-BUILDINGS MATERIALS	Cement (PPC)	Final Setting Time	IS 4031 (Part 5)



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24	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516
25	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
26	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Compressive Strength	IS 15658 (Clause No. 7.3)
27	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Water Absorption	IS 15658
28	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
29	MECHANICAL- SOIL AND ROCK	Soil	Dry Density by Core- Cutter Method	IS 2720 (Part 29)
30	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density by Sand Replacement Method	IS 2720 (Part 28)
31	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Dry & Wet Sieving Method) (Sieve Size: 4.75 mm to 0.075 mm)	IS 2720 (Part 4)
32	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - OMC	IS 2720 (Part 8)
33	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - MDD	IS 2720 (Part 7)
34	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - OMC	IS 2720 (Part 7)
35	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
36	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
37	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)



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38	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 1)
39	MECHANICAL- SOIL AND ROCK	Soil	Un-drained Direct Shear Test - Angle of Friction	IS 2720 (Part 13)
40	MECHANICAL- SOIL AND ROCK	Soil	Un-drained Direct Shear Test - Cohesion	IS 2720 (Part 13)
41	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
42	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer Test	IS 13311 (Part 2)