National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MITS - MATERIAL AND QUALITY TESTING LABORATORY, KADIRI ROAD, ANGALLU, MADANAPALLE, CHITTOOR, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11131 **Page No** 1 of 3

Validity 05/11/2022 to 04/11/2024 **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	MECHANICAL- BUILDINGS MATERIALS	Autoclaved aerated concrete blocks	Compressive strength of AAC blocks	IS 2185 (Part 3)
2	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength of Bricks	IS 3495 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption of Bricks	IS 3495 (Part 2)
4	MECHANICAL- BUILDINGS MATERIALS	Cellular Light weight concrete blocks (CLC Blocks)	Compressive strength of CLC blocks	IS 2185 (Part 4)
5	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Compressive strength	IS 4031 (Part 6)
6	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Consistency of cement	IS 4031 (Part 4)
7	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Density of cement	IS 4031 (part 11)
8	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Final setting time	IS 4031 (Part 5)
9	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Initial setting time	IS 4031 (Part 5)
10	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Soundness	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	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Elongation index	IS 2386 (Part 1)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Flakiness index	IS 2386 (Part 1)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Los Angele's abrassion value	IS 2386 (Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Specific gravity	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Water absorption	IS 2386 (Part 3)

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19	MECHANICAL- BUILDINGS MATERIALS	Concrete core	Compressive strength of concrete core	IS 516 Part 1, Sec-1
20	MECHANICAL- BUILDINGS MATERIALS	Concrete cubes	Compressive strength of concrete cubes	IS 516 Part 1, Sec 1
21	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk density	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Specific gravity	IS 2386 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Fresh concrete	Slump test on fresh concrete	IS 1199
24	MECHANICAL- SOIL AND ROCK	Soil	CBR Value	IS 2720 (Part 16)
25	MECHANICAL- SOIL AND ROCK	Soil	Compaction characteristics (Heavy compaction)	IS 2720 (Part 8)
26	MECHANICAL- SOIL AND ROCK	Soil	Compaction characteristics (Light compaction)	IS 2720 (Part 7)
27	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear	IS 2720 (Part 13)
28	MECHANICAL- SOIL AND ROCK	Soil	Field density of soil (Sand replacement method)	IS 2720 (Part 28)
29	MECHANICAL- SOIL AND ROCK	Soil	Filed density of soil (Core cutter method)	IS 2720 (Part 29)
30	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
31	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (part 5)
32	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity (Coarse grained soil)	IS 2720 (Part 3- Sec 2)
33	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity (Fine grained soil)	IS 2720 (Part 3- Sec 1)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Field density of soil (Sand replacement method)	IS 2720 (Part 28)
2	MECHANICAL- SOIL AND ROCK	Soil	Filed density of soil (Core cutter method)	IS 2720 (Part 29)