National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AMARAVATHI LABS PRIVATE LIMITED, NO 21, KUNDULA ROAD, KRISHNA NAGAR, GUNTUR, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9876 **Page No** 1 of 3

Validity 20/09/2021 to 19/09/2023 **Last Amended on** 04/06/2023

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	Bricks (burnt clay building bricks)	compressive strength	IS 3495 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Bricks (burnt clay building bricks)	dimension (height)	IS 1077
3	MECHANICAL- BUILDINGS MATERIALS	Bricks (burnt clay building bricks)	dimension (length)	IS 1077
4	MECHANICAL- BUILDINGS MATERIALS	Bricks (burnt clay building bricks)	dimension (width)	IS 1077
5	MECHANICAL- BUILDINGS MATERIALS	Bricks (burnt clay building bricks)	water absorption	IS 3495 (Part 2)
6	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive strength	IS516 (part-4)
7	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 Part 1
8	MECHANICAL- BUILDINGS MATERIALS	Steel bars for Concrete Reinforcement	Elongation percent	IS 1608: Part 1
9	MECHANICAL- BUILDINGS MATERIALS	Steel bars for Concrete (Reinforcement	Mass per Metre	IS 1786
10	MECHANICAL- BUILDINGS MATERIALS	Steel bars for Concrete Reinforcement	Tensile Strength	IS 1608: Part 1
11	MECHANICAL- BUILDINGS MATERIALS	Steel bars for Concrete Reinforcement	Yield Stress	IS 1608: Part 1
12	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720(Part 16)
13	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Angle of Shearing Resistance	IS 2720 (Part 13):
14	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS 2720 (Part 13)
15	MECHANICAL- SOIL AND ROCK	soil	Free Swell Index	IS 2720 (Part 40)
16	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
17	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
18	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)

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19	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7):
20	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
21	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
22	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Angle of internal friction	IS 2720 (Part 11)
23	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression test	IS 2720 (Part 10)
24	MECHANICAL- SOIL AND ROCK	Soils	Consolidation	IS 2720:(Part-15)
25	MECHANICAL- SOIL AND ROCK	Soils	Grain Size Analysis by wet sieving (0.075 to 4.75mm)	IS 2720 (Part 4)
26	MECHANICAL- SOIL AND ROCK	Soils	Grain size distribution by hydrometer analysis(0.002 to 0.075 mm)	IS-2720 (part-4)
27	MECHANICAL- SOIL AND ROCK	Soils	Triaxial Compression - Cohesion	IS 2720 (Part 11)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	In-situ Dry density by core cutter method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	In-situ Dry density by sand replacement method	IS 2720 (Part 28)