National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NUTHALAPATI QUALITY CONTROL LAB, PLOT NO : 386, RAJIV TOWNSHIP, GUNTUR, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8836 **Page No** 1 of 3

Validity 06/02/2023 to 05/02/2025 **Last Amended on** 11/05/2023

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	Compressive strength	IS 3495 (part1)
2	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption	IS 3495 (part 2)
3	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Rodded)	IS 2386 (part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density(Loose)	IS 2386 (part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Crushing value	IS 2386 (part 4)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Elongation index	IS 2386 (part1)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness index	IS 2386 (part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact value	IS 2386 (part4)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Sieve analysis (4.75 mm to 80 mm)	IS 2386 (part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Specific gravity	IS 2386 (part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water absorption	IS 2386 (part3)
12	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive strength	IS 516 (Part 1/Sec 1)
13	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength	IS 516 (Part 1/Sec 1)
14	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk Density (Loose)	IS 2386 (part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk Density (Rodded)	IS 2386 (part3)
16	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Sieve analysis (150 microns to 10 mm)	IS 2386 (part1)
17	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Specific gravity	IS 2386 (part3)
18	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Water absorption	IS 2386 (part3)

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19	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Compressive strength	IS 4031 (part 6)
20	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Final setting time	IS 4031 (part5)
21	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Initial setting time	IS 4031 (part5)
22	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Standard Consistency	IS 4031 (part4)
23	MECHANICAL- BUILDINGS MATERIALS	Steel for reinforcement	% of Elongation	IS 1608 (Part1)
24	MECHANICAL- BUILDINGS MATERIALS	Steel for reinforcement	Bend Test	IS 1599
25	MECHANICAL- BUILDINGS MATERIALS	Steel for reinforcement	Mass per meter	IS 1786
26	MECHANICAL- BUILDINGS MATERIALS	Steel for reinforcement	Re-Bend Test	IS 1786
27	MECHANICAL- BUILDINGS MATERIALS	Steel for reinforcement	Tensile Strength	IS 1608 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Steel for reinforcement	Yield Strength	IS 1608 (Part 1)
29	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (part 16)
30	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test (Angle of internal friction)	IS 2720 (Part 13)
31	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test (Cohesion)	IS 2720 (Part 13)
32	MECHANICAL- SOIL AND ROCK	Soil	Free swell index	IS 2720 (part 40)
33	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis by dry sieving	IS 2720 (part4)
34	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction (MDD)	IS 2720 (Part 8)
35	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction (OMC)	IS 2720 (part8)
36	MECHANICAL- SOIL AND ROCK	Soil	Light compaction (MDD)	IS 2720 (Part 7)
37	MECHANICAL- SOIL AND ROCK	Soil	Light compaction (OMC)	IS 2720 (Part 7)

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38	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 (Part 5)
39	MECHANICAL- SOIL AND ROCK	Soil	Moisture content	IS 2720 (Part 2)
40	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 (part 5)
41	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity	IS 2720 (Part 3 /Sec I & II)
42	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity	IS 2720 (part3 /sec I & II)
43	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test (Unconsolidated Untrained) - Cohesion	IS 2720 (Part 11)
44	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test (Unconsolidated Untrained) - Angle of internal friction	IS 2720 (Part 11)
45	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test (Unconsolidated Untrained) - Angle of internal friction	IS 2720 (Part 11)
46	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Test (Cohesion)	IS 2720 (PART 10)