National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SUNDAR ASSOCIATES, QUALITY CONTROL LABORATORY, 27-9-52, KAKINADA, EAST GODAVARI, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 08/02/2022 to 07/02/2024 **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	AAC BLOCKS	BLOCK DENSITY	IS 6441(PART1)
2	MECHANICAL- BUILDINGS MATERIALS	AAC BLOCKS	COMPRESSIVE STRENGTH	IS 6441(PART5)
3	MECHANICAL- BUILDINGS MATERIALS	AAC BLOCKS	DIMENSIIONS- LENGTH	IS 2185(PART-3)
4	MECHANICAL- BUILDINGS MATERIALS	AAC BLOCKS	DIMENSIONS- Height	IS2185(PART-3)
5	MECHANICAL- BUILDINGS MATERIALS	AAC BLOCKS	DIMENSIONS- Width	IS 2185(PART-3)
6	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Moisture content	IS 6441 PART -1
7	MECHANICAL- BUILDINGS MATERIALS	BITUMINOUS MIXES(DBM/BC/BM/SDBC)	BINDER CONTENT	IRCSP11
8	MECHANICAL- BUILDINGS MATERIALS	BITUMINOUS MIXES(DBM/BC/BM/SDBC)	SIEVE ANALYSIS 10.00 mm to 75 microns	IS 2386(PART1)
9	MECHANICAL- BUILDINGS MATERIALS	BRICKS & PRE CASTED BLOCKS	DIMENSIONS- WIDTH	IS1077
10	MECHANICAL- BUILDINGS MATERIALS	BRICKS & PRECASTED BLOCKS	DIMENSIONS- HEIGHT	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	BRICKS & PRECASTED BLOCKS	DIMENSIONS-LENGTH	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	BRICKS & PRECASTED BLOCKS	EFFORESCENSE	IS3495(PART3)
13	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks/ Fly ask bricks/ Fly ash Lime bricks	Compressive strength	IS:3495-Part –1
14	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks/ Fly ask bricks/ Fly ash Lime bricks	Water absorption	IS:3495(Part 2)
15	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC)	DENSITY	IS 4031(PART 11)
16	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC)	COMPRESSIVE STRENGTH	IS 4031 PART-6
17	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC)	FINAL SETTING TIME	IS 4031 PART-5
18	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC)	FINENESS BY BLAINE AIR PERMEABILITY	IS4031(PART 2)

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19	MECHANICAL- BUILDINGS MATERIALS	cement (OPC/PPC)	fineness by dry sieve method	IS 4031(PART 1)
20	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC)	INITIAL SETTING TIME	IS 4031 PART-5
21	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC/PPC)	NORMAL CONSISTENCY	IS 4031 PART-4
22	MECHANICAL- BUILDINGS MATERIALS	CEMENT(OPC/PPC)	SOUNDNESS TEST BY by Le-Chatelier Method	IS 4031 PART -3
23	MECHANICAL- BUILDINGS MATERIALS	coarse aggregate	10% fines value	IS:2386 part 4
24	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	BULK DENSITY(RODDED)	IS2386(PART 3)
25	MECHANICAL- BUILDINGS MATERIALS	coarse aggregate	Crushing value	IS:2386 part 4
26	MECHANICAL- BUILDINGS MATERIALS	coarse aggregate	Elongation Index	IS:2386 part 1
27	MECHANICAL- BUILDINGS MATERIALS	coarse aggregate	Flakiness index	IS:2386 part 1
28	MECHANICAL- BUILDINGS MATERIALS	coarse aggregate	Impact value	IS:2386 part 4
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loss Angels Abrasion Resistance Value	IS 2386 part-4
30	MECHANICAL- BUILDINGS MATERIALS	coarse aggregate	Specific gravity	IS:2386 Part 3
31	MECHANICAL- BUILDINGS MATERIALS	coarse aggregate	Water absorption	IS:2386 Part 3
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve analysis 80 mm to 2.36 mm	IS 2386 part 1
33	MECHANICAL- BUILDINGS MATERIALS	COARSER AGGREGATE	BULK DENSITY(LOOSE)	IS 2386(PART 3)
34	MECHANICAL- BUILDINGS MATERIALS	concrete Cube	Compressive strength	IS:516
35	MECHANICAL- BUILDINGS MATERIALS	CONCRETE PERMEABILITY	CONCRETE PERMEABILITY	IS3085
36	MECHANICAL- BUILDINGS MATERIALS	Core	Compression strength	IS 516 (Part-4)
37	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	BULK DENSITY(LOOSE(FINE AGGREGATE)	IS 2386(PART3)

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38	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	BULK DENSITY(RODDED)	IS2386(PART-3)
39	MECHANICAL- BUILDINGS MATERIALS	fine aggregate	Sieve analysis 10.0mm TO 150µm	Is:2386 part 1
40	MECHANICAL- BUILDINGS MATERIALS	fine aggregate	Silt/clay content	IS:2386 part 1
41	MECHANICAL- BUILDINGS MATERIALS	fine aggregate	Specific gravity	IS:2386 Part 3
42	MECHANICAL- BUILDINGS MATERIALS	fine aggregate	Water absorption	IS:2386 Part 3
43	MECHANICAL- BUILDINGS MATERIALS	hallow and solid concrete blocks/light weight concrete blocks	dimensions- length	IS 2185(PART-1)
44	MECHANICAL- BUILDINGS MATERIALS	Hallow, solid concrete Block & Light weight concrete blocks	Compressive strength	IS:2185 Part 2
45	MECHANICAL- BUILDINGS MATERIALS	Hallow, solid concrete Block & Light weight concrete blocks	Water absorption	IS-2185 Part – I
46	MECHANICAL- BUILDINGS MATERIALS	hollow and solid concrete blocks/ light weight concrete blocks	dimensions- width	IS 2185(PART-1)
47	MECHANICAL- BUILDINGS MATERIALS	hollow and solid concrete blocks/ light weight concrete blocks	dimensions-height	IS2185(PART-1)
48	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCKS	COMPRESSIVE STRENGTH	IS 15658
49	MECHANICAL- BUILDINGS MATERIALS	paver blocks	water absorption	IS 15658
50	MECHANICAL- BUILDINGS MATERIALS	reinforcement steel bar (rebar)	MASS/METER	IS 1786
51	MECHANICAL- SOIL AND ROCK	SOIL	California bearing ratio (CBR)	IS 2720 (Part -16)
52	MECHANICAL- SOIL AND ROCK	SOIL	Direct shear test c	IS 2720 (Part 13)
53	MECHANICAL- SOIL AND ROCK	SOIL	Direct shear test Ø	IS 2720 (Part 13)
54	MECHANICAL- SOIL AND ROCK	SOIL	FREE SWELL INDEX	IS NO. 2720(PART 40)
55	MECHANICAL- SOIL AND ROCK	SOIL	GRAIN SIZE ANALYSIS	IS2720
56	MECHANICAL- SOIL AND ROCK	SOIL	Heavy compaction MDD	IS 2720 (Part -8)

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57	MECHANICAL- SOIL AND ROCK	SOIL	Heavy compaction OMC	IS 2720 (Part -8)
58	MECHANICAL- SOIL AND ROCK	SOIL	Light compaction MDD	IS 2720 (Part 7)
59	MECHANICAL- SOIL AND ROCK	SOIL	Light compaction OMC	IS 2720 (Part 7)
60	MECHANICAL- SOIL AND ROCK	SOIL	Liquid limit	IS 2720 (Part -5)
61	MECHANICAL- SOIL AND ROCK	SOIL	Plastic limit	IS 2720 (Part -5)
62	MECHANICAL- SOIL AND ROCK	SOIL	SPECIFIC GRAVITY	IS 2720(PART 3)
63	MECHANICAL- SOIL AND ROCK	SOIL	TRI AXIAL SHEAR TEST (ANGLOE OF INTERNAL FRICTION	IS 2720(PART 12)
64	MECHANICAL- SOIL AND ROCK	SOIL	Triaxial shear test (cohesion)	IS 2720 (Part 12)
65	MECHANICAL- SOIL AND ROCK	SOIL	Unconfined compression test	IS 2720 (Part -10)
66	MECHANICAL- SOIL AND ROCK	SOIL	WATER CONTENT	IS 2720(PART 2)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	hardened concrete	Rebound hammer	IS 516: PART5: sec4
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	hardened concrete	Ultrasonic pulse velocity	IS 516(PART5/SEC1)