National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HYDERABAD TEST LABS AND ENGINEERING SERVICES LLP, D.NO. 8-2-103/5, ANURADHA COLONY, HASTHINAPURAM, L.B NAGAR, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 25/07/2021 to 24/07/2023 **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	COMPRESSIVE STRENGTH	IS:6441 part 5
2	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY	COMPRESSIVE STRENGTH	IS 3495 (PART 1)
3	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY	DIMENSIONS - HEIGHT	IS: 1077
4	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY	DIMENSIONS - LENGTH	IS: 1077
5	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY	DIMENSIONS - WIDTH	IS: 1077
6	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY	WATER ABSORPTION	IS 3495 (PART 2)
7	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	10% FINES VALUE	IS 2386 (PART 4)
8	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	CRUSHING VALUE	IS 2386 (PART 4)
9	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	ELONGATION INDEX	IS 2386 (PART 1)
10	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	FLAKINESS INDEX	IS 2386 (PART 1)
11	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	IMPACT VALUE	IS 2386 (PART 4)
12	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	LOS ANGELES ABRASION VALUE	IS 2386 (PART 4)
13	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	SIEVE ANALYSIS (2.36,4.75,10,12.5,16,20,40,63 ,80 mm)	IS 2386 (PART 1)
14	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	SPECIFIC GRAVITY	IS 2386 (PART 3)
15	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	WATER ABSORPTION	IS 2386 (PART 3)
16	MECHANICAL- BUILDINGS MATERIALS	CONCRETE CORES	COMPRESSIVE STRENGTH	IS 516 (PART 4)
17	MECHANICAL- BUILDINGS MATERIALS	CONCRETE CUBES	COMPRESSIVE STRENGTH	IS:516
18	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	MATERIAL FINER THAN 75 µm	IS 2386 (PART 1)

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19	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SIEVE ANALYSIS	IS 2386 (PART 1)
20	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SPECIFIC GRAVITY	IS 2386 (PART 3)
21	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	WATER ABSORPTION	IS 2386 (PART 3
22	MECHANICAL- BUILDINGS MATERIALS	HIGH STRENGTH DEFORMED STEEL BARS FOR CONCRETE REINFORCEMENT	BEND (Mandrel diameters:16,12,24,30,32,36,40,48,50,60,64,75,80,96,100,125,128,150,160,192 mm)	IS 1599
23	MECHANICAL- BUILDINGS MATERIALS	HIGH STRENGTH DEFORMED STEEL BARS FOR CONCRETE REINFORCEMENT	MASS/METER	IS:1786
24	MECHANICAL- BUILDINGS MATERIALS	HIGH STRENGTH DEFORMED STEEL BARS FOR CONCRETE REINFORCEMENT	PERCENTAGE OF ELONGATION	IS 1608 (PART 1)
25	MECHANICAL- BUILDINGS MATERIALS	HIGH STRENGTH DEFORMED STEEL BARS FOR CONCRETE REINFORCEMENT	RE-BEND	IS 1786
26	MECHANICAL- BUILDINGS MATERIALS	HIGH STRENGTH DEFORMED STEEL BARS FOR CONCRETE REINFORCEMENT	TENSILE STRENGTH	IS 1608 (PART 1)
27	MECHANICAL- BUILDINGS MATERIALS	HIGH STRENGTH DEFORMED STEEL BARS FOR CONCRETE REINFORCEMENT	YIELD STRENGTH & 0.2% proof stress	IS 1608 (PART 1)
28	MECHANICAL- BUILDINGS MATERIALS	HYDRAULIC CEMENT	COMPRESSIVE STRENGTH	IS 4031 (PART 6)
29	MECHANICAL- BUILDINGS MATERIALS	HYDRAULIC CEMENT	CONSISTENCY	IS 4031 (PART 4)
30	MECHANICAL- BUILDINGS MATERIALS	HYDRAULIC CEMENT	FINAL SETTING TIME	IS 4031 (PART 5)
31	MECHANICAL- BUILDINGS MATERIALS	HYDRAULIC CEMENT	INITIAL SETTING TIME	IS 4031 (PART 5)
32	MECHANICAL- BUILDINGS MATERIALS	HYDRAULIC CEMENT	SOUNDNESS (By Le-Chatelier method)	IS 4031 (PART 3)
33	MECHANICAL- BUILDINGS MATERIALS	MECHANICAL - BUILDINGS MATERIALS VISCOSITY GRADE BITUMEN, CRUMB RUBBER MODIIED BITUMEN, POLYMER MODIFIED BITUMEN,	ABSOLUTE VISCOSITY	IS:1206 (PART 2)
34	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCKS	COMPRESSIVE STRENGTH	IS:15658
35	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCKS	DIMENSIONS	IS:15658
36	MECHANICAL- BUILDINGS MATERIALS	PAVER BLOCKS	WATER ABSORPTION	IS:15658

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37	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCKS	BLOCK DENSITY	IS 2185 (PART 1)
38	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCKS	COMPRESSIVE STRENGTH	IS 2185 (PART 1)
39	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCKS	DIMENSIONS - HEIGHT	IS 2185 (PART 1)
40	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCKS	DIMENSIONS - LENGTH	IS 2185 (PART 1)
41	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCKS	DIMENSIONS - WIDTH	IS 2185 (PART 1)
42	MECHANICAL- BUILDINGS MATERIALS	SOLID CONCRETE BLOCKS	WATER ABSORPTION	IS 2185 (PART 1)
43	MECHANICAL- BUILDINGS MATERIALS	VISCOSITY GRADE BITUMEN, CRUMB RUBBER MODIIED BITUMEN, POLYMER MODIFIED BITUMEN	KINEMATIC VISCOSITY	IS:1206 (PART 3)
44	MECHANICAL- BUILDINGS MATERIALS	VISCOSITY GRADE BITUMEN, CRUMB RUBBER MODIIED BITUMEN, POLYMER MODIFIED BITUMEN	PENETRATION	IS:1203
45	MECHANICAL- BUILDINGS MATERIALS	VISCOSITY GRADE BITUMEN, CRUMB RUBBER MODIIED BITUMEN, POLYMER MODIFIED BITUMEN	SOFTENING POINT	IS:1205
46	MECHANICAL- BUILDINGS MATERIALS	VISCOSITY GRADE BITUMEN, CRUMB RUBBER MODIIED BITUMEN, POLYMER MODIFIED BITUMEN,	DUCTILITY	IS:1208
47	MECHANICAL- BUILDINGS MATERIALS	VISCOSITY GRADE BITUMEN, CRUMB RUBBER MODIIED BITUMEN, POLYMER MODIFIED BITUMEN,	ELASTIC RECOVERY	IS 15462
48	MECHANICAL- SOIL AND ROCK	ROCK	POINT LOAD STRENGTH INDEX	IS 8764
49	MECHANICAL- SOIL AND ROCK	ROCK	UNFONFINED COMPRESSIVE STRENGTH	IS 9143
50	MECHANICAL- SOIL AND ROCK	ROCK	WATER CONTENT	IS 13030
51	MECHANICAL- SOIL AND ROCK	SOIL/GRANULAR SUB BASE / WET MIX MACADAM / BLANKET	CALIFORNIA BEARING RATIO (CBR)	IS:2720 (PART 16)
52	MECHANICAL- SOIL AND ROCK	SOIL/GRANULAR SUB BASE / WET MIX MACADAM / BLANKET	FREE SWELL INDEX	IS:2720 (PART 40)
53	MECHANICAL- SOIL AND ROCK	SOIL/GRANULAR SUB BASE / WET MIX MACADAM / BLANKET	GRAIN SIZE ANALYSIS	IS:2720 (PART 4)
54	MECHANICAL- SOIL AND ROCK	SOIL/GRANULAR SUB BASE / WET MIX MACADAM / BLANKET	HEAVY COMPACTION (MDD)	IS:2720 (PART 8)
55	MECHANICAL- SOIL AND ROCK	SOIL/GRANULAR SUB BASE / WET MIX MACADAM / BLANKET	HEAVY COMPACTION (OMC)	IS:2720 (PART 8)

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56	MECHANICAL- SOIL AND ROCK	SOIL/GRANULAR SUB BASE / WET MIX MACADAM / BLANKET	LIQUID LIMIT	IS:2720 (PART 5)
57	MECHANICAL- SOIL AND ROCK	SOIL/GRANULAR SUB BASE / WET MIX MACADAM / BLANKET	PLASTIC LIMIT	IS:2720 (PART 5)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Reinforced Concrete Structures	ULTRASONIC PULSE VELOCITY	IS 516 (PART 5 / SEC 1)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete for Reinforced Structure	Rebound Hammer Test (10 RN to 100 RN)	IS 516 : Part 5 : Sec 4