National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KDM ENGINEERS (INDIA) PRIVATE LIMITED, PLOT NO.93, E-BLOCK, AUTONAGAR, VISAKHAPATNAM, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/11/2021 to 11/11/2023 **Last Amended on** 01/12/2021

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 CELLULAR CONCRETE BLOCKS (AAC)	COMPRSSIVE STRENGTH	IS:6441 (PART-5)
2	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR CONCRETE BLOCKS (AAC)	DENSITY	IS:6441 (PART-1)
3	MECHANICAL- BUILDINGS MATERIALS	BITUMINOUS MIXES/BITUMINOUS CORES	DENSITY	ASTM D2726
4	MECHANICAL- BUILDINGS MATERIALS	BM/DBM/BC/PMC/MSS/BITUMINOUS MIXES	BINDER CONTENT	IRC SP-11
5	MECHANICAL- BUILDINGS MATERIALS	BM/DBM/SDBC/BC/PMC/MSS/BITUMINOUS MIXES	SIEVE ANALYSIS	IS:2386(PART-1)
6	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICKS	COMPRESSIVE STRENGTH	IS 3495 (PART 1)
7	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICKS	DIMENSION (HEIGHT)	IS 1077
8	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICKS	DIMENSION (LENGTH)	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICKS	DIMENSION (WIDTH)	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICKS	EFFLORESCENCE	IS 3495 (PART 3)
11	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICKS	WATER ABSORPTION	IS 3495 (PART 2)
12	MECHANICAL- BUILDINGS MATERIALS	CELLULAR CONCRETE BLOCKS (CLC)	COMPRESSIVE STRENGTH	IS:2185 (PART-4)
13	MECHANICAL- BUILDINGS MATERIALS	CELLULAR CONCRETE BLOCKS(CLC)	DENSITY	IS:2185 (PART-4)
14	MECHANICAL- BUILDINGS MATERIALS	CHEQUERED CEMENT CONCRETE TILES	WATER ABSORPTION	IS:13801
15	MECHANICAL- BUILDINGS MATERIALS	CHEQUERED CEMENT CONCRETE TILES	WET TRANSVERSE STRENGTH	IS:13801
16	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	10% FINES VALUE	IS 2386 (PART 4)
17	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	BULK DENSITY	IS 2386 (PART 3)
18	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	CRUSHING VALUE	IS 2386 (PART 4)

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19	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	ELONGATION INDEX	IS 2386 (PART 1)
20	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	FLAKINESS INDEX	IS 2386 (PART 1)
21	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	IMPACT VALUE	IS 2386 (PART 4)
22	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	LOS-ANGELES ABRASION VALUE	IS 2386 (PART 4)
23	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	MATERIALS FINER THAN 75 MICRONS	IS 2386 (PART 1)
24	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	SIEVE ANALYSIS	IS 2386 (PART 1)
25	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	SOUNDNESS (Sodium Sulphate and Magnesium Sulphate)	IS 2386 (PART 5)
26	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	SPECIFIC GRAVITY	IS 2386 (PART 3)
27	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	STRIPPING VALUE	IS:6241
28	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATES	WATER ABSORPTION	IS 2386 (PART 3)
29	MECHANICAL- BUILDINGS MATERIALS	CONCRETE BEAMS	FLEXURAL STRENGTH	IS 516
30	MECHANICAL- BUILDINGS MATERIALS	CONCRETE CUBE/CONCRETE CORE	COMPRESSIVE STRENGTH	IS 516
31	MECHANICAL- BUILDINGS MATERIALS	CONCRETE CUBE/CONCRETE ORE	PERMEABILITY	DIN 1048
32	MECHANICAL- BUILDINGS MATERIALS	CONCRETE CUBES	ACCELERATED CONCRETE CUBE COMPRESSIVE STRENGTH	IS 9013
33	MECHANICAL- BUILDINGS MATERIALS	CONCRETE PAVING BLOCKS	COMPRESSIVE STRENGTH	IS 15658
34	MECHANICAL- BUILDINGS MATERIALS	CONCRETE PAVING BLOCKS	WATER ABSORPTION	IS 15658
35	MECHANICAL- BUILDINGS MATERIALS	DBM/SDBC/BC/BITUMINOUS MIXES	MARSHALL FLOW	ASTM D6927
36	MECHANICAL- BUILDINGS MATERIALS	DBM/SDBC/BC/BITUMINOUS MIXES	MARSHALL STABILITY	ASTM D6927

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37	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	BULK DENSITY	IS 2386 (PART 3)
38	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	MATERIALS FINER THAN 75MICRONS	IS 2386 (PART 1)
39	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	SIEVE ANALYSIS	IS 2386 (PART 1)
40	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	SOUNDNESS (Sodium Sulphate and Magnesium Sulphate)	IS 2386 (PART 5)
41	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	SPECIFIC GRAVITY	IS 2386 (PART 3)
42	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATES	WATER ABSORPTION	IS 2386 (PART 3)
43	MECHANICAL- BUILDINGS MATERIALS	FLY ASH BRICKS/FLY ASH LIME BRICKS	COMPRESSIVE STRENGTH	IS 3495 PART 1
44	MECHANICAL- BUILDINGS MATERIALS	FLY ASH BRICKS/FLY ASH LIME BRICKS	DIMENSION (HEIGHT)	IS 12894
45	MECHANICAL- BUILDINGS MATERIALS	FLY ASH BRICKS/FLY ASH LIME BRICKS	DIMENSION (LENGTH)	IS 12894
46	MECHANICAL- BUILDINGS MATERIALS	FLY ASH BRICKS/FLY ASH LIME BRICKS	DIMENSION (WIDTH)	IS 12894
47	MECHANICAL- BUILDINGS MATERIALS	FLY ASH BRICKS/FLY ASH LIME BRICKS	EFFLORESCENCE	IS 3495 (PART 3)
48	MECHANICAL- BUILDINGS MATERIALS	FLY ASH BRICKS/FLY ASH LIME BRICKS	WATER ABSORPTION	IS 3495 (PART 2)
49	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID (LIGHT WEIGHT) CONCRETE	DIMENSION (WIDTH)	IS 2185 (PART 2)
50	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID (LIGHT WEIGHT) CONCRETE BLOCKS	COMPRESSIVE STRENGTH	IS 2185 (PART 2)
51	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID (LIGHT WEIGHT) CONCRETE BLOCKS	DENSITY	IS:2185 (Part-2)
52	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID (LIGHT WEIGHT) CONCRETE BLOCKS	DIMENSION (HEIGHT)	IS 2185 (PART 2)
53	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID (LIGHT WEIGHT) CONCRETE BLOCKS	DIMENSION (LENGTH)	IS 2185 (PART 2)
54	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID (LIGHT WEIGHT) CONCRETE BLOCKS	WATER ABSORPTION	IS 2185 (PART 2)
55	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID CONCRETE BLOCKS	COMPRESSIVE STRENGTH	IS 2185 (PART 1)

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56	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID CONCRETE BLOCKS	DENSITY	IS:2185 (Part-1)
57	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID CONCRETE BLOCKS	DIMENSION (HEIGHT)	IS 2185 (PART 1)
58	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID CONCRETE BLOCKS	DIMENSION (LENGTH)	IS 2185 (PART 1)
59	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID CONCRETE BLOCKS	DIMENSION (WIDTH)	IS 2185 (PART 1)
60	MECHANICAL- BUILDINGS MATERIALS	HOLLOW & SOLID CONCRETE BLOCKS	WATER ABSORPTION	IS 2185 (PART 1)
61	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENET STEEL	REBEND	1786
62	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT STEEL	0.2% PROOF STRESS	IS 1608 part 1
63	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT/STRUCTURAL STEEL	BEND TEST	IS 1599
64	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT/STRUCTURAL STEEL	MASS PER METER	IS 1786
65	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT/STRUCTURAL STEEL/STEEL TUBES	YIELD STRESS	IS 1608 Part 1
66	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT/STRUCTURAL STEEL/STEEL TUBES/STEEL COUPLERS	ELONGATION	IS 1608 Part 1
67	MECHANICAL- MECHANICAL PROPERTIES OF METALS	REINFORCEMENT/STRUCTURAL STEEL/STEEL TUBES/STEEL COUPLERS	TENSILE STRENGTH	IS 1608 Part 1
68	MECHANICAL- MECHANICAL PROPERTIES OF METALS	STEEL TUBES	MASS PER METRE	IS:1161
69	MECHANICAL- SOIL AND ROCK	ROCK	DENSITY	IS:13030
70	MECHANICAL- SOIL AND ROCK	ROCK	SLAKE DURABILITY	IS:10050
71	MECHANICAL- SOIL AND ROCK	ROCK	TENSILE STRENGTH	IS:10082

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72	MECHANICAL- SOIL AND ROCK	ROCK	UN CONFINED COMPRESSIVE STRENGTH	IS:9143
73	MECHANICAL- SOIL AND ROCK	ROCK	WATER CONTENT	IS:13030
74	MECHANICAL- SOIL AND ROCK	ROCK/STONES	POROSITY	IS:13030
75	MECHANICAL- SOIL AND ROCK	ROCK/STONES	SPECIFIC GRAVITY	IS:1122
76	MECHANICAL- SOIL AND ROCK	ROCK/STONES	WATER ABSORPTION	IS:1124
77	MECHANICAL- SOIL AND ROCK	SOIL	CLAY CONTENT BY HYDROMETER ANALYSIS	IS:2720 (PART-4)
78	MECHANICAL- SOIL AND ROCK	SOIL	CONSOLIDATION (Pressure)	IS:2720 (Part-15)
79	MECHANICAL- SOIL AND ROCK	SOIL	CONSOLIDATION (Settlement)	IS:2720 (Part-15)
80	MECHANICAL- SOIL AND ROCK	SOIL	CU-TRIAXIAL (WITH PORE PRESSURE)- Angle of Internal Friction	IS:2720 (Part-12)
81	MECHANICAL- SOIL AND ROCK	SOIL	CU-TRIAXIAL (WITH PORE PRESSURE)- Cohesion	IS:2720 (Part-12)
82	MECHANICAL- SOIL AND ROCK	SOIL	FREE SWELL INDEX	IS 2720 (PART 40)
83	MECHANICAL- SOIL AND ROCK	SOIL	LIGHT COMPACTION (MDD)	IS 2720 (PART 7)
84	MECHANICAL- SOIL AND ROCK	SOIL	LIGHT COMPACTION (OMC)	IS 2720 (PART 7)
85	MECHANICAL- SOIL AND ROCK	SOIL	SILT CONTENT BY HYDROMETER ANALYSIS	IS:2720(PART-4)
86	MECHANICAL- SOIL AND ROCK	SOIL	SPECIFIC GRAVITY	IS:2720 (Part-3/Sec-1)
87	MECHANICAL- SOIL AND ROCK	SOIL	UNCONFINED COMPRESSIVE STRENGTH OF SOIL	IS:2720 (Part-10)
88	MECHANICAL- SOIL AND ROCK	SOIL	UU-TRIAXIAL (WITH OUT PORE PRESSURE)- Angle of Internal Friction	IS:2720 (Part-11)
89	MECHANICAL- SOIL AND ROCK	SOIL	UU-TRIAXIAL (WITH OUT PORE PRESSURE)- Cohesion	IS:2720 (Part-11)

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90	MECHANICAL- SOIL AND ROCK	SOIL/GSB/WMM	CBR	IS:2720 (Part-16)
91	MECHANICAL- SOIL AND ROCK	SOIL/GSB/WMM	HEAVY COMPACTION (MDD)	IS 2720 (PART 8)
92	MECHANICAL- SOIL AND ROCK	SOIL/GSB/WMM	HEAVY COMPACTION (OMC)	IS 2720 (PART 8)
93	MECHANICAL- SOIL AND ROCK	SOIL/GSB/WMM	LIQUID LIMIT	IS 2720 (PART 5)
94	MECHANICAL- SOIL AND ROCK	SOIL/GSB/WMM	MOISTURE CONTENT	IS 2720 (PART 2)
95	MECHANICAL- SOIL AND ROCK	SOIL/GSB/WMM	PLASTIC LIMIT	IS 2720 (PART 5)
96	MECHANICAL- SOIL AND ROCK	SOIL/WMM/GSB	GRAIN SIZE ANALYSIS	IS 2720 (PART 4)
97	MECHANICAL- SOIL AND ROCK	STONES	COMPRESSIVE STRENGTH	IS:1121 (Part-1)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	SOIL	FIELD DENSITY BY CORE CUTTER METHOD	IS:2720 (Part-29)
2	MECHANICAL- SOIL AND ROCK	SOIL/GSB/WMM	FIELD DENSITY BY SAND REPLACEMENT METHOD	IS:2720 (Part-28)