National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AALIGN UP ARCH & CONST. PVT. LTD., 5,TANSEN ROAD, HAZIRA, GWALIOR, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 09/11/2022 to 08/11/2024 **Last Amended on** 28/01/2023

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
LOCATION 1-5,TANSEN ROAD, HAZIRA, GWALIOR, MADHYA PRADESH, INDIA Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	T.M.T. BAR	PHOSPHORUS TEST	IS 228 (PART-3)
2	CHEMICAL- METALS & ALLOYS	T.M.T. BAR	SULPHUR TEST	IS 228 (PART-9)
3	CHEMICAL- METALS & ALLOYS	TMT BAR	Carbon test	IS 228 (PART-1)
4	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Bulk Density	IS 6441 (Part-1)
5	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive strength	IS 6441 (Part-5)
6	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Moisture content	IS 6441 (Part-1)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part-2)
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic viscosity	IS 1206 (Part-3)
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration Point	IS 1203
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Flow	ASTM D 6927
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Maarshall Stability	ASTM D 6927
17	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP 11
18	MECHANICAL- BUILDINGS MATERIALS	Brick (Burnt clay)	Dimension (Height)	IS 1077

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19	MECHANICAL- BUILDINGS MATERIALS	Brick (Burnt clay)	Dimension (Length)	IS 1077
20	MECHANICAL- BUILDINGS MATERIALS	Brick (Burnt clay)	Dimension (Width)	IS 1077
21	MECHANICAL- BUILDINGS MATERIALS	Building Bricks	Compressive Strength	IS 3495 (Part-1)
22	MECHANICAL- BUILDINGS MATERIALS	Building Bricks	Water Absorption	IS 3495 (Part 2)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC,OPC-33,OPC-43 & OPC-53)	Compressive Strength	IS 4031 (Part 6)
24	MECHANICAL- BUILDINGS MATERIALS	Cement(PPC,OPC-33,OPC-43 & OPC-53)	Consistency	IS 4031 (Part 4)
25	MECHANICAL- BUILDINGS MATERIALS	Cement(PPC,OPC-33,OPC-43 & OPC-53)	Density	IS 4031 (part-11)
26	MECHANICAL- BUILDINGS MATERIALS	Cement(PPC,OPC-33,OPC-43 & OPC-53)	Final Setting Time	IS 4031 (Part 5)
27	MECHANICAL- BUILDINGS MATERIALS	Cement(PPC,OPC-33,OPC-43 & OPC-53)	Fineness by Dry Sieving	IS 4031 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Cement(PPC,OPC-33,OPC-43 & OPC-53)	Finess (By Blain air)	IS 4031 (Part-2)
29	MECHANICAL- BUILDINGS MATERIALS	Cement(PPC,OPC-33,OPC-43 & OPC-53)	Initial Setting Time	IS 4031 (Part 5)
30	MECHANICAL- BUILDINGS MATERIALS	Cement(PPC,OPC-33,OPC-43 & OPC-53)	Soundness (By Le chatelier method)	IS 4031 (Part-5)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fine value	IS 2386 (Part-4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value by Los Angeles Machine	IS 2386 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk density	IS 2386 (Part-3)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part-4)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4) Clause 4.0

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38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 to 90 mm)	IS 2386 (Part 1) Clause 2.0
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Magnesium sulphate	IS 2386 (Part-5)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3) CLAUSE 2.0
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3) CLAUSE 2.0
42	MECHANICAL- BUILDINGS MATERIALS	CONCRETE	Concrete Mix (Proportion)	IS 10262
43	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk density	IS 2386 (Part-3)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 Micron	IS 2386 (Part 1) CLAUSE 3.0
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 to 10 mm)	IS 2386 (Part 1) CLAUSE 2.0
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Magnesium sulphate	IS 2386 (Part-5)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3) CLAUSE 2.0
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3) CLAUSE 2.0
49	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516
50	MECHANICAL- BUILDINGS MATERIALS	Paver block	Compressive strength	IS 15658 (Annexure C)
51	MECHANICAL- BUILDINGS MATERIALS	Paver block	Dimension (Length)	IS 15658 (Annexure-A)
52	MECHANICAL- BUILDINGS MATERIALS	Paver block	Dimension (Thickness)	IS 15568 (Annexure-A))
53	MECHANICAL- BUILDINGS MATERIALS	Paver block	Dimension (Width)	IS 15568 (Annexure-A)
54	MECHANICAL- BUILDINGS MATERIALS	Paver block	Water absorption	IS 15658 (Annexure B)
55	MECHANICAL- SOIL AND ROCK	Clay & Soil	Moisture Content	IS 2720 (Part-2)
56	MECHANICAL- SOIL AND ROCK	Rock	Point load strength index	IS 8764

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57	MECHANICAL- SOIL AND ROCK	Soil	Dry Sieve analysis	IS 2720 (Part-4)
58	MECHANICAL- SOIL AND ROCK	Soil	Free swell index	IS 2720 (Part-40)
59	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part-6)
60	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity of soil	IS 2720 (Part 3 Sec 1)
61	MECHANICAL- SOIL AND ROCK	Soil	Triaxial with pore water pressure,(angle of internal friction , Q)	IS 2720 (Part-13)
62	MECHANICAL- SOIL AND ROCK	Soil	Triaxial without pore water pressure , C	IS 2720 (Part-13)
63	MECHANICAL- SOIL AND ROCK	Soil	Unconfined compressive strength	IS 2720 (Part-10)
64	MECHANICAL- SOIL AND ROCK	Soil	Wet Sieve analysis	IS 2720 (Part-4)
65	MECHANICAL- SOIL AND ROCK	Soils	Atterbergs Limit Liquid limit (Casagrande method)	IS 2720 (PART-8)
66	MECHANICAL- SOIL AND ROCK	SOILS	Atterbergs Limit Plastic Limit	IS 2720 (part-5)
67	MECHANICAL- SOIL AND ROCK	SOILS	C.B.R.	IS 2720 (PART-16)
68	MECHANICAL- SOIL AND ROCK	Soils	Direct Shear Test Angle of Friction (Q)	IS 2720 (Part-11)
69	MECHANICAL- SOIL AND ROCK	Soils	Direct Shear test Cohesion (C)	IS 2720 (PART-11)
70	MECHANICAL- SOIL AND ROCK	Soils	FDD by core cutter method	IS 2720 (Part-29)
71	MECHANICAL- SOIL AND ROCK	SOILS	Heavy Compation M.D.D.	IS 2720 (PART-8)
72	MECHANICAL- SOIL AND ROCK	SOILS	Heavy Compation O.M.C.	IS 2720 (PART-8)
73	MECHANICAL- SOIL AND ROCK	SOILS	Light Compation M.D.D.	IS 2720 (PART-7)
74	MECHANICAL- SOIL AND ROCK	soils	Light Compation O.M.C.	IS 2720 (PART-7)

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75	MECHANICAL- SOIL AND ROCK	Soils	Standard Penetration Test	IS 2131
76	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic pulse velocity	IS 516 Part 5 Sec 01
77	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Rebound Hammer	IS 516 (Part-5) Sec 4

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LOCATION 1-5,TANSEN ROAD, HAZIRA, GWALIOR, MADHYA PRADESH, INDIA Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soils	FDD by core cutter method	IS 2720 (Part-29)
2	MECHANICAL- SOIL AND ROCK	Soils	Standard Penetration Test	IS 2131
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic pulse velocity	IS 516 Part 5 Sec 01
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Rebound Hammer	IS 516 (Part-5) Sec 4

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LOCATION 2 - NAINAGIRI CHORAHA GWALIOR BYPASS ROAD GWALIOR, GWALIOR, MADHYA PRADESH, INDIA Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Steel (TMT Bar)	% Elongation	IS 1608-Part 1
2	MECHANICAL- BUILDINGS MATERIALS	Steel (TMT Bar)	Bend Test (24,32,30,40,36,48,48,60,64,80,100,125,112,140 mm)	IS 1599
3	MECHANICAL- BUILDINGS MATERIALS	Steel (TMT Bar)	Rebend test (32.40,50,56,70,72,84,96,112, 128,120,140,150,160,168,175, 192,196,200,224,256 mm)	IS 1786
4	MECHANICAL- BUILDINGS MATERIALS	Steel (TMT Bar)	Tensile Strength	IS 1608- Part 1
5	MECHANICAL- BUILDINGS MATERIALS	Steel (TMT Bar)	Weight Per Meter	IS 1786
6	MECHANICAL- BUILDINGS MATERIALS	Steel (TMT Bar)	Yield Strength	IS 1608-Part 1