National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : OM SAI CONSULTANTS, BANK OF INDIA COLONY, P.O. B.V. COLLEGE, RAJA BAZAR, PATNA, BIHAR, INDIA

Accreditation Standard ISO/IEC 17025:2017

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LOCATION 1-BANK OF INDIA COLONY, P.O. B.V. COLLEGE, RAJA BAZAR, PATNA, BIHAR, INDIA Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility (at 25°C)	IS 1208
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Elastic Recovery (at 15°C)	IS 15462
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration (at 25°C, 0.1mm, 100g, 5sec)	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/ BC/ DBM/ DBC)	Binder Content	IRC SP-11
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/ BC/ DBM/ DBC)	Density	ASTM D-2726
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/ BC/ DBM/ DBC)	Flow Value	ASTM D-6927
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/ BC/ DBM/ DBC)	Impact Value	IS 2386 (Part-4)
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/ BC/ DBM/ DBC)	Marshall Stability	ASTM D-6927
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/ BC/ DBM/ DBC)	Stripping Value	IS 6241
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Compressive Strength	IS 3495 (Part-1)
14	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Height)	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Length)	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Width)	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Efflorescence	IS 3495 (Part-3)
18	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Water Absorption	IS 3495 (Part-2)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement/Portland Pozzolana Cement)	Compressive Strength	IS 4031 (Part-6)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement/Portland Pozzolana Cement)	Consistency	IS 4031 (Part-4)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement/Portland Pozzolana Cement)	Density	IS 4031 (Part-11)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement/Portland Pozzolana Cement)	Final Setting Time	IS 4031 (Part-5)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement/Portland Pozzolana Cement)	Initial Setting Time	IS 4031 (Part-5)
24	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement/Portland Pozzolana Cement)	Soundness (Autoclave Expansion)	IS 4031 (Part-3)
25	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement/Portland Pozzolana Cement)	Soundness (Le-Chatelier's Expansion)	IS 4031 (Part-3)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fine Value	IS 2386 (Part-4)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part-3)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part-4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part-4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part-4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (63mm,40mm, 31.5mm,25mm, 20mm,16mm, 12.5mm,10mm, 8mm, 6.3mm, 4.75mm, 2.36mm, 1.70mm)	IS 2386 (Part-1)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (Sodium Sulphate, Na2SO4)	IS 2386 (Part-5)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part-3)

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36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material (Material finer than 75 µm, Clay & Lumps and Coal & Lignite)	IS 2386 (Part-1 & 2)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part-3)
38	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Equivalent Cube Compressive Strength	IS 516 (Part-4)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part-3)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part-3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part-2)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10mm, 4.75mm, 2.36mm,1.18mm, 600micron, 300 micron,150 micron, 75 micron)	IS 2386 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (Sodium Sulphate, Na2SO4)	IS 2386 (Part-5)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part-3)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Material (Material finer than 75 µm, Clay & Lumps and Coal & Lignite)	IS 2386 (Part-1 & 2)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part-3)
47	MECHANICAL- BUILDINGS MATERIALS	Fly ash brick	Compressive strength	IS 3495 (Part 1)
48	MECHANICAL- BUILDINGS MATERIALS	Fly ash brick	Dimension (Height)	IS 12894
49	MECHANICAL- BUILDINGS MATERIALS	Fly ash brick	Dimension (Length)	IS 12894
50	MECHANICAL- BUILDINGS MATERIALS	Fly ash brick	Dimension (Width)	IS 12894
51	MECHANICAL- BUILDINGS MATERIALS	Fly ash brick	Efflorescence	IS 3495 (Part 3)
52	MECHANICAL- BUILDINGS MATERIALS	Fly ash brick	Water absorption	IS 3495 (Part 2)

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53	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength	IS 516 (Part-1, Sec-1)
54	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Compressive Strength	IS 15658
55	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Dimension (Length)	IS 15658
56	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Dimension (Thickness)	IS 15658
57	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Dimension (Width)	IS 15658
58	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Thickness of Wearing Layer	IS 15658
59	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Block/Interlocking Tiles)	Water Absorption	IS 15658
60	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Dry Sieve (150 micron & 75 micron)	IS 6186
61	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Wet Sieve (150 micron & 45 micron)	IS 6186
62	MECHANICAL- SOIL AND ROCK	Bentonite	Free Swell Index	IS 2720 (Part-40)
63	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (Part-5)
64	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
65	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
66	MECHANICAL- SOIL AND ROCK	Granular Sub Base/Wet Mix Macadam	California Bearing Ratio (CBR Value)	IS 2720 (Part-16)
67	MECHANICAL- SOIL AND ROCK	Granular Sub Base/Wet Mix Macadam	Gradation	IS 2720 (Part-4)
68	MECHANICAL- SOIL AND ROCK	Granular Sub Base/Wet Mix Macadam	Impact Value	IS 2386 (Part-4)
69	MECHANICAL- SOIL AND ROCK	Granular Sub Base/Wet Mix Macadam	Liquid Limit	IS 2720 (Part-5)
70	MECHANICAL- SOIL AND ROCK	Granular Sub Base/Wet Mix Macadam	Maximum Dry Density	IS 2720 (Part-8)
71	MECHANICAL- SOIL AND ROCK	Granular Sub Base/Wet Mix Macadam	Optimum Moisture Content	IS 2720 (Part-8)

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72	MECHANICAL- SOIL AND ROCK	Granular Sub Base/Wet Mix Macadam	Plastic Limit	IS 2720 (Part-5)
73	MECHANICAL- SOIL AND ROCK	Rock	Compressive Strength	IS 9143
74	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
75	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
76	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR Value)	IS 2720 (Part-16)
77	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Internal Friction, Phi Value)	IS 2720 (Part-13)
78	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion Intercept, C Value)	IS 2720 (Part-13)
79	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
80	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part-4)
81	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Maximum Dry Density, MDD)	IS 2720 (Part-8)
82	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Optimum Moisture Content, OMC)	IS 2720 (Part-8)
83	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
84	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part-2)
85	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
86	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3, Sec-1)
87	MECHANICAL- SOIL AND ROCK	Stone (Granite/Marble)	Compressive Strength	IS 1121 (Part-1)
88	MECHANICAL- SOIL AND ROCK	Stone (Granite/Marble)	Durability	IS 1126
89	MECHANICAL- SOIL AND ROCK	Stone (Granite/Marble)	Hardness (Mohs)	IS 13630 (Part-13)
90	MECHANICAL- SOIL AND ROCK	Stone (Granite/Marble)	Specific Gravity	IS 1124

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91	MECHANICAL- SOIL AND ROCK	Stone (Granite/Marble)	Water Absorption	IS 1124

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LOCATION 2 - TATA ENCLAVE, 90 FEET ROAD, A. G. COLONY MORE, PATNA, BIHAR, INDIA Permanent Facility				
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Elongation	IS 1608 (Part-1)
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	IS 1608 (Part-1)
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Stress	IS 1608 (Part-1)
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	Elongation	IS 1608 (Part-1)
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	Mass per metre	IS 1786
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	Tensile Strength	IS 1608 (Part-1)
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	Yield Stress	IS 1608 (Part-1)