



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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

Certificate Number TC-8405 Page No. : 1 / 4

Validity 20/03/2019 to 19/03/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Brick /Fly Ash Brick	Dimension (Height)	IS 1077 :1992 RA: 2016	1300 mm to 1600 mm
2	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Brick/ Fly Ash Brick	Compressive Strength	IS 3495 (Part 1):1992 RA : 2016	2 N/mm ² to 50 N/mm ²
3	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Brick/Fly Ash Brick	Dimension (Length)	IS 1077 :1992 RA : 2016	4000 mm to 5000 mm
4	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Brick/Fly Ash Brick	Dimension (Width)	IS 1077:1992 RA : 2016	2100 mm to 2400 mm
5	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Brick/Fly Ash Brick	Efflorescence	IS 3495 (Part 3):1992 RA : 2016	Qualitative
6	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Brick/Fly Ass Brick	Water Absorption	IS 3495 (Part 2):1992 RA : 2016	5 % to 50 %
7	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4):1963 RA : 2016	5 Tonne to 30 Tonne
8	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3):1963 RA: 2016	1 kg/l to 3 kg/l
9	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4):1963 RA: 2016	1 % to 50 %



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10	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1):1963 RA: 2016	1 % to 60 %
11	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1):1963: 2016	5 % to 60 %
12	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4):1963 RA: 2016	1 % to 50 %
13	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4):1963 RA: 2016	1 % to 50 %
14	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1):1963 RA: 2016	0.1 % to 100 %
15	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3):1963 RA: 2016	1 to 3
16	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3):1963 RA: 2016	0.1 % to 5 %
17	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3):1963 RA : 2016	1 kg/l to 3 kg/l
18	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part 3):1963 RA : 2016	1 % to 35 %
19	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1):1963 RA: 2016	0.1 % to 100 %



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20	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3):1963 RA : 2016	2 to 3
21	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3):1963 RA: 2016	0.1 % to 5 %
22	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete/CC Core	Compressive Strength	IS 516:1959 RA : 2013	10 N/mm ² to 80 N/mm ²
23	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Compressive Strength	IS 4031 (Part 6):1988 RA: 2014	10 N/mm ² to 75 N/mm ²
24	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Consistency	IS 4031 (Part 4):1988 RA: 2014	15 % to 50 %
25	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Final Setting Time	IS 4031 (Part 5):1988 RA : 2014	30 minutes to 600 minutes
26	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Initial Setting Time	IS 4031 (Part 5):1988 RA : 2014	30 minutes to 300 minutes
27	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Soundness (Autoclave) Expansion	IS 4031 (Part 3):1988 RA: 2014	0.01 % to 0.8 %
28	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC	Soundness (Le-Chatelier's Expansion)	IS 4031 (Part 3):1988 RA: 2014	0.5 mm to 10 mm
29	MECHANICAL-BUILDINGS MATERIALS	Precast Paving Block	Compressive Strength	IS 15658:2006 RA : 2017	10 MPa to 70 MPa



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30	MECHANICAL- BUILDINGS MATERIALS	Precast Paving Block	Water Absorption	IS 15658:2006 RA : 2017	0.1 % to 20 %
31	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS 2720 (Part 16):1987 RA: 2016	2 % to 50 %
32	MECHANICAL- SOIL AND ROCK	Soil	Compaction MDD	IS 2720 (Part 8):1983 RA : 2015	1.5 g/cc to 2.5 g/cc
33	MECHANICAL- SOIL AND ROCK	Soil	Compaction OMC	IS 2720 (Part 8):1983 RA : 2015	1.2 % to 20 %
34	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear	IS 2720 (Part 13): 1986 RA: 2016	5 ° to 45 °
35	MECHANICAL- SOIL AND ROCK	Soil	Free Soil Index	IS 2720 (Part 40):1977 RA : 2016	0 % to 50 %
36	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4):1985 RA: 2015	5 % to 100 %
37	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5):1985 RA : 2015	0.1 % to 50 %
38	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2):1973 RA : 2015	0.5 % to 20 %
39	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5):1985 RA : 2015	0 % to 30 %
40	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 1):1980 RA : 2016	2 to 3