



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name AJEO TESTING LAB AND CONSULTANCY LLP, 51/1/34, SITE IV INDUSTRIAL AREA, SAHIBABAD, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-8342 Page No. : 1 / 7

Validity 15/02/2019 to 14/02/2021 Last Amended on -

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

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	AAC Block	Block Density	IS 6441 (Part 1): 1972 RA: 2017	400 kg/m ³ to 1200 kg/m ³
2	MECHANICAL-BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441 (Part 5): 1972 RA: 2017	1.0 N/mm ² to 10 N/mm ²
3	MECHANICAL-BUILDINGS MATERIALS	AAC Block	Dimension	IS 2185 (Part 3): 1984 RA: 2015	50 mm to 700 mm
4	MECHANICAL-BUILDINGS MATERIALS	AAC Block	Drying Shrinkage	IS 6441 (Part 2): 1972 RA: 2017	0.01 % to 1 %
5	MECHANICAL-BUILDINGS MATERIALS	AAC Block	Moisture	IS 6441 (Part 1): 1972 RA: 2017	1.0 % to 25 %
6	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203: 1978 RA: 2014	10 1/10 mm to 300 1/10 mm
7	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205: 1978 RA: 2014	30 C to 150 C
8	MECHANICAL-BUILDINGS MATERIALS	Building Bricks Clay	Compressive Strength	IS 3495 (Part 1): 1992 RA: 2016	5 MPa to 39 MPa
9	MECHANICAL-BUILDINGS MATERIALS	Building Bricks Clay	Dimension	IS: 1077: 1992 RA: 2016	20 mm to 5000 mm



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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
10	MECHANICAL-BUILDINGS MATERIALS	Building Bricks Clay	Water Absorption	IS 3495(Part 2): 1992 RA: 2016	1 % to 40 %
11	MECHANICAL-BUILDINGS MATERIALS	Building Bricks Clay/Fuel Ash-Lime	Efflorescence	IS 3495 (Part 3): 1992 RA: 2016	Qualitative
12	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3): 1963 RA: 2016	1 kg/L to 4 kg/L
13	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS 2386 (Part 2): 1963 RA: 2016	0.01 % to 5 %
14	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Coal & Lignite	IS 2386 (Part 2): 1963 RA: 2016	0 % to 2 %
15	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Combined Flakiness & Elongation Index	IS 2386 (Part 1): 1963 RA: 2016	5 % to 90 %
16	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4): 1963 RA: 2016	5 % to 60 %
17	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Materials:Material Finer than 75 micron	IS 2386 (Part 1): 1963 RA: 2016	0.1 % to 10 %
18	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4): 1963 RA: 2016	5 % to 50 %



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19	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4): 1963 RA: 2016	5 % to 60 %
20	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Organic Impurity	IS 2386 (Part 2): 1963 RA: 2016	Qualitative
21	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1): 1963 RA: 2016	0.1 % to 100 %
22	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS 2386 (Part 5): 1963 RA: 2016	0.1 % to 20 %
23	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3): 1963 RA: 2016	1 to 4
24	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water absorption	IS: 2386(P-3)/RA 2016: 1963	0.1 % to 5 %
25	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3): 1963 RA: 2016	1 kg/L to 2.5 kg/L
26	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	IS 2386 (Part 2): 1963 RA: 2016	0 % to 5 %
27	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Coal and Lignite	IS 2386 (Part 2): 1963 RA: 2016	0.01 % to 2 %



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28	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Crushing Value	IS 2386 (Part 4): 1963 RA: 2016	5 % to 50 %
29	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 micron	IS 2386 (Part 1): 1963 RA: 2016	0.1 % to 20 %
30	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part 2): 1963 RA: 2016	Qualitative
31	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1): 1963 RA: 2016	0.1 % to 100 %
32	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS 2386 (Part 5): 1963 RA: 2016	0.1 % to 10 %
33	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3): 1963 RA: 2016	1 to 4
34	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3): 1963 RA: 2016	0.1 % to 5 %
35	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516: 1959 RA: 2013	5 MPa to 80 MPa
36	MECHANICAL-BUILDINGS MATERIALS	Ordinary Portland Cement/ Portland Slag Cement (OPC/PPC/PSC)	Compressive Strength	IS 4031 (Part 6): 1988 RA: 2014	5 MPa to 90 MPa



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37	MECHANICAL-BUILDINGS MATERIALS	Ordinary Portland Cement/ Portland Slag Cement (OPC/PPC/PSC)	Consistency	IS 4031 (Part 4): 1988 RA: 2014	20 % to 40 %
38	MECHANICAL-BUILDINGS MATERIALS	Ordinary Portland Cement/ Portland Slag Cement (OPC/PPC/PSC)	Density	IS 4031 (Part 11): 1988 RA: 2014	2 g/cc to 3.5 g/cc
39	MECHANICAL-BUILDINGS MATERIALS	Ordinary Portland Cement/ Portland Slag Cement (OPC/PPC/PSC)	Final Setting Time	IS 4031 (Part 5): 1988 RA: 2014	20 minutes to 600 minutes
40	MECHANICAL-BUILDINGS MATERIALS	Ordinary Portland Cement/ Portland Slag Cement (OPC/PPC/PSC)	Fineness by Blaine's Air Permeability	IS 4031 (Part 2): 1999 RA: 2013	150 m ² /kg to 400 m ² /kg
41	MECHANICAL-BUILDINGS MATERIALS	Ordinary Portland Cement/ Portland Slag Cement (OPC/PPC/PSC)	Fineness by Dry Sieving	IS 4031 (Part 1): 1996 RA: 2016	0.05 % to 100 %
42	MECHANICAL-BUILDINGS MATERIALS	Ordinary Portland Cement/ Portland Slag Cement (OPC/PPC/PSC)	Initial Setting Time	IS 4031 (Part 5): 1988 RA: 2014	20 minutes to 600 minutes
43	MECHANICAL-BUILDINGS MATERIALS	Ordinary Portland Cement/ Portland Slag Cement (OPC/PPC/PSC)	Soundness by Autoclave	IS 4031 (Part 3): 1988 RA: 2014	0.01 % to 2 %



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44	MECHANICAL-BUILDINGS MATERIALS	Ordinary Portland Cement/ Portland Slag Cement (OPC/PPC/PSC)	Soundness by Le-Chatelier	IS 4031 (Part 3): 1988 RA: 2014	0.5 mm to 10 mm
45	MECHANICAL-BUILDINGS MATERIALS	Paver Block	Abrasion Resistance	IS 15658 (Annexure E): 2006 RA: 2017	1000 mm ³ /5000 mm ² to 40000 mm ³ /5000 mm ²
46	MECHANICAL-BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658 (Annexure D): 2006 RA: 2017	10 MPa to 100 MPa
47	MECHANICAL-BUILDINGS MATERIALS	Paver Block	Dimension	IS 15658 (Annexure B): 2006 RA: 2017	20 mm to 300 mm
48	MECHANICAL-BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658 (Annexure C): 2006 RA: 2017	1 % to 7 %
49	MECHANICAL-BUILDINGS MATERIALS	Pozollonic Material (Flyash /Microsilica)	Fineness (Specific Surface Blaine's)	IS 1727: 1967 RA: 2013	50 m ² /kg to 700 m ² /kg
50	MECHANICAL-BUILDINGS MATERIALS	Pozollonic Material (Flyash /Microsilica)	Particle Retained on 45 micron	IS 1727: 1967 RA: 2013	0.05 % to 50 %
51	MECHANICAL-BUILDINGS MATERIALS	Pozollonic Material (Flyash /Microsilica)	Specific Gravity	IS 1727: 1967 RA: 2013	1.0 g/ml to 3.0 g/ml
52	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Heavy Compaction)	IS 2720 (Part 8): 1983 RA: 2015	1 % to 20 %



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53	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS 2720 (Part 16): 1987 RA: 2016	2 % to 80 %
54	MECHANICAL- SOIL AND ROCK	Soil	Free swell Index	IS 2720 (Part 40): 1977 RA: 2016	0 % to 100 %
55	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet Sieving)	IS 2720 (Part 4): 1985 RA: 2015	0 % to 100 %
56	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis by Dry Sieving	IS 2720 (Part 4): 1985 RA: 2015	0 % to 100 %
57	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5): 1985 RA: 2015	1 % to 80 %
58	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density (Heavy Compaction)	IS 2720 (Part 8): 1983 RA: 2015	1 g/cc to 4 g/cc
59	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density (Light Compaction)	IS 2720 (Part 7): 1980 RA: 2016	1 g/cc to 4 g/cc
60	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Light Compaction)	IS 2720 (Part 7): 1980 RA: 2016	1 % to 20 %
61	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5): 1985 RA: 2015	0 % to 50 %