



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MONI'S GROSAM ENGINEERING LAB, B-39, INDUSTRIAL ESTATE, NEW POWER HOUSE ROAD, JODHPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-5092 Page No. : 1 / 6

Validity 13/01/2019 to 12/01/2021 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	BITUMEN	DUCTILITY	IS 1208: 1978	70 cm to 100 cm
2	MECHANICAL-BUILDINGS MATERIALS	BITUMEN	PENETRATION	IS 1203: 1978	10 div. to 100 div.
3	MECHANICAL-BUILDINGS MATERIALS	BITUMEN	SOFTENING POINT	IS 1205: 1978	30 °C to 65 °C
4	MECHANICAL-BUILDINGS MATERIALS	BITUMEN	SPECIFIC GRAVITY	IS 1202: 1978	0.95 to 1.05
5	MECHANICAL-BUILDINGS MATERIALS	BITUMEN MIX	STRIPING VALUE	IS 6241: 1971	0 % to 5 %
6	MECHANICAL-BUILDINGS MATERIALS	BRUNT CLAY / PULVERIZED / FLY ASH BRICK	COMPRESSIVE STRENGTH	IS 3495 (PART 1) : 1992	1.0 MPa to 30.0 MPa
7	MECHANICAL-BUILDINGS MATERIALS	BRUNT CLAY / PULVERIZED / FLY ASH BRICK	EFFLORESCENCE	IS 3495 (PART 3): 1992	Qualitative(VISUAL EXAMINATION)
8	MECHANICAL-BUILDINGS MATERIALS	BRUNT CLAY / PULVERIZED / FLY ASH BRICKS	DIMENSION TEST	IS 1077: 1992	1400 to 5000
9	MECHANICAL-BUILDINGS MATERIALS	BRUNT CLAY / PULVERIZED / FLY ASH BRICKS	WATER ABSORPTION	IS 3495 (PART 2): 1992	3.0 % to 20.0 %



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10	MECHANICAL-BUILDINGS MATERIALS	Building Materials	WATER ABSORPTION	IS 15658: 2006	0.1 % to 10 %
11	MECHANICAL-BUILDINGS MATERIALS	CEMENT	COMPRESSIVE STRENGTH	IS 4031(PART 6):1988: 2013	5.0 MPa to 70.0 MPa
12	MECHANICAL-BUILDINGS MATERIALS	CEMENT	FINENESS (BY DRY SIEVE METHOD)	IS 4031 (PART 1): 1988: 2013	0.10 % to 10.0 %
13	MECHANICAL-BUILDINGS MATERIALS	CEMENT	INITIAL AND FINAL SETTING TIME	IS 4031 (PART 5):1988: 2013	5 min. to 600 min.
14	MECHANICAL-BUILDINGS MATERIALS	CEMENT	NORMAL CONSISTENCY	IS 4031 (PART 4):1988: 2013	20.0 % to 35.0 %
15	MECHANICAL-BUILDINGS MATERIALS	CEMENT	SOUNDNESS	IS 4031 (PART 3):1988: 2013	0.5 mm to 10.0 mm
16	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	CRUSHING VALUE	IS 2386 (PART 4):1963: 2002	10.0 % to 40.0 %
17	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	ELONGATION INDEX	IS 2386 (PART 1):1963: 2011	5 % to 99 %
18	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	FLAKINESS INDEX	IS 2386 (PART 1):1963: 2011	5 % to 99 %



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19	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	IMPACT VALUE	IS 2386 (PART 4):1963: 2002	10.0 % to 40.0 %
20	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	LOS ANGELES ABRASION TEST	IS 2386 (PART 4):1963: 2011	1 % to 60 %
21	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	MOISTURE CONTENT	IS 2386 (PART 3):1963: 1991	0.01 % to 2.0 %
22	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	SIEVE ANALYSIS	IS 2386 (PART 1):1963: 2002	40.0 MM to 4.75 MM
23	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	SPECIFIC GRAVITY	IS 2386 (PART 3): 1963: 2002	2.0 to 4.0
24	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	TEN PERCENT FINES VALUE	IS 2386 (PART 4):1963: 2002	1.0 ton to 50.0 ton
25	MECHANICAL-BUILDINGS MATERIALS	COARSE AGGREGATE	WATER ABSORPTION	IS 2386 (PART 3):1963: 2002	0.10 % to 5.0 %
26	MECHANICAL-BUILDINGS MATERIALS	FINE AGGREGATE	SPECIFIC GRAVITY	IS 2386 (PART 3):1963: 2002	2.0 to 4.0
27	MECHANICAL-BUILDINGS MATERIALS	FINE AGGREGATE	WATER ABSORPTION	IS 2386 (PART 3):1963: 2002	0.10 % to 5.0 %



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28	MECHANICAL-BUILDINGS MATERIALS	FINE AGGRGATE	SIEVE ANALYSIS	IS 2386 (PART 1): 1963	10.0 MM to 0.150 MM
29	MECHANICAL-BUILDINGS MATERIALS	HARDENED CONCRETE CUBE	COMPRESSIVE STRENGTH	IS 516:1959: 2004	5 MPa to 70.0 MPa
30	MECHANICAL-BUILDINGS MATERIALS	PAVER BLOCK	COMPRESSIVE STRENGTH	IS 15658: 2006	10 MPa to 60 MPa
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Steel	% ELONGATION	IS 1786: 2008	1 % to 35 %
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Steel	BEND TEST	IS 1786: 2008	Qualitative(IS 1599-1985 (Mandrel Diameter in mm - 24,30,36, 48, 60, 96, 100, 125, 128, 150, 160, 192))
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Steel	MASS PER METRE	IS 1786: 2008	0.50 kg/m to 30 kg/m
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Steel	RE BEND	IS 1786: 2008	Qualitative(IS 1599-1985 (Mandrel Diameter in mm - 24,30,36, 48, 60, 96, 100, 125, 128, 150, 160, 192))



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35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcing Steel	ULTIMATE TENSILE STRENGTH	IS 1786: 2008	50 MPa to 800 MPa
36	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcing Steel	YIELD STRENGTH	IS 1786: 2008	50 MPa to 700 MPa
37	MECHANICAL- SOIL AND ROCK	CLAYS & SOILS	LIQUID LIMIT	IS 2720 (PART 5): 1985	15 % to 40 %
38	MECHANICAL- SOIL AND ROCK	CLAYS & SOILS	FREE SWELL INDEX	IS 2720 (PART 40):1977: 2011	10 % to 40 %
39	MECHANICAL- SOIL AND ROCK	CLAYS & SOILS	PLASTIC LIMIT	IS 2720 (PART 5):1985: 2010	5 % to 100 %
40	MECHANICAL- SOIL AND ROCK	CLAYS & SOILS	SWELLING PRESSURE	IS 2720 (PART 41):1977: 2011	0.1 kg/cm ² to 80 Kg/cm ²
41	MECHANICAL- SOIL AND ROCK	MASONRY STONE	COMPRESSIVE STRENGTH	IS 1121 (PART 1): 1974	10 N/mm ² to 120 N/mm ²
42	MECHANICAL- SOIL AND ROCK	MASONRY STONE	WATER ABSORPTION	IS 1124: 1974	0.1 % to 2.5 %
43	MECHANICAL- SOIL AND ROCK	SOIL	CALIFORNIA BEARING RATIO	IS 2720 (PART 16):1987: 2010	1 % to 80 %
44	MECHANICAL- SOIL AND ROCK	SOIL	GRAIN SIZE ANALYSIS	IS 2720 (PART 4):1985: 2010	75 μ to 4.75 mm
45	MECHANICAL- SOIL AND ROCK	SOIL	HEAVY COMPACTION (MDD)	IS 2720 (PART 8):1983: 2010	1.1 gm/cc to 2.3 gm/cc
46	MECHANICAL- SOIL AND ROCK	SOIL	HEAVY COMPACTION (OMC)	IS 2720 (PART 8):1983: 2010	2 % to 40 %



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47	MECHANICAL- SOIL AND ROCK	SOIL	LIGHT COMPACTION (MDD)	IS 2720 (PART 7):1980: 2007	1.1 gm/cc to 2.3 gm/cc
48	MECHANICAL- SOIL AND ROCK	SOIL	LIGHT COMPACTION (OMC)	IS 2720 (PART 7):1980: 2007	2 % to 40 %
49	MECHANICAL- SOIL AND ROCK	SOIL	MOISTURE CONTENT	IS 2720 (PART 2):1973: 2010	0.01 % to 35 %