



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name      MANGLAM CONSULTANCY SERVICES, SURVEY NO. 1730, ANAND-SOJITRA ROAD, KARAMSAD, ANAND, GUJARAT, INDIA

Accreditation Standard      ISO/IEC 17025:2017

Certificate Number      TC-8636      Page No. :      1 / 6

Validity      28/08/2019 to 27/08/2021      Last Amended on      -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
<b>Permanent Facility</b>				
1	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP 11 (Appendix 5, Clause C): 1984
2	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D2726: 2019
3	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D6927: 2015
4	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927: 2015
5	MECHANICAL-BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Compressive Strength	IS 3495 (Part 1): 1992 RA: 2016
6	MECHANICAL-BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Height	IS 1077: 1992 RA: 2016
7	MECHANICAL-BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Height	IS 12894: 2002 RA: 2017
8	MECHANICAL-BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Length	IS 1077: 1992 RA: 2016
9	MECHANICAL-BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Length	IS 12894: 2002 RA: 2017
10	MECHANICAL-BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Width	IS 1077: 1992 RA: 2016



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11	MECHANICAL-BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Dimensions: Width	IS 12894: 2002 RA: 2017
12	MECHANICAL-BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Efflorescence	IS 3495 (Part 3): 1992 RA: 2016
13	MECHANICAL-BUILDINGS MATERIALS	Bricks (Burnt Clay/Fly Ash)	Water Absorption	IS 3495 (Part 2): 1992 RA: 2016
14	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6): 1988 RA: 2019
15	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5): 1988 RA: 2019
16	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Blaine's Air Permeability	IS 4031 (Part 2): 1999 RA: 2013
17	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5): 1988 RA: 2019
18	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier Method	IS 4031 (Part 3): 1988 RA: 2019
19	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4): 1988 RA: 2019
20	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value by Los Angeles	IS 2386 (Part 4, Clause 5.2): 1963 RA: 2016



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
21	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4, Clause 2): 1963 RA: 2016
22	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1, Clause 5): 1963 RA: 2016
23	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1, Clause 4): 1963 RA: 2016
24	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4, Clause 4): 1963 RA: 2016
25	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 90 mm)	IS 2386 (Part 1, Clause 2): 1963 RA : 2016
26	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3, Clause 2): 1963 RA: 2016
27	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3, Clause 2): 1963 RA: 2016
28	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 micron	IS 2386 (Part 1, Clause 3): 1963 RA: 2016
29	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 mm to 10 mm)	IS 2386 (Part 1, Clause 2): 1963 RA: 2016
30	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3, Clause 2): 1963 RA: 2016



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31	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Water absorption	IS 2386 (Part 3, Clause 2): 1963 RA: 2016
32	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete - Beam	Flexural Strength	IS 516: 1959 RA: 2013
33	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete - Cube	Compressive Strength	IS 516: 1959 RA: 2013
34	MECHANICAL-BUILDINGS MATERIALS	Paving Bitumen	Absolute Viscosity at 60 °C	IS 1206 (Part 2): 1978 RA: 2014
35	MECHANICAL-BUILDINGS MATERIALS	Paving Bitumen	Ductility at 25 °C	IS 1208: 1978 RA: 2014
36	MECHANICAL-BUILDINGS MATERIALS	Paving Bitumen	Kinematic Viscosity at 135 °C	IS 1206 (Part 3): 1978 RA: 2014
37	MECHANICAL-BUILDINGS MATERIALS	Paving Bitumen	Penetration at 25 °C	IS 1203: 1978 RA: 2014
38	MECHANICAL-BUILDINGS MATERIALS	Paving Bitumen	Softening Point	IS 1205: 1978 RA: 2014
39	MECHANICAL-BUILDINGS MATERIALS	Paving Bitumen	Specific Gravity	IS 1202: 1978 RA: 2014
40	MECHANICAL-BUILDINGS MATERIALS	Precast Concrete Paving Block	Compressive Strength	IS 15658 (Annexure D): 2006 RA: 2017



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41	MECHANICAL-BUILDINGS MATERIALS	Precast Concrete Paving Block	Water Absorption	IS 15658 (Annexure C): 2006 RA: 2017
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars	Bend	IS 1599: 2012 RA: 2017
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars	Elongation	IS 1608 (Part 1): 2018
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars	Mass Per Meter	IS 1786: 2013
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars	Rebend	IS 1786: 2008
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars	Tensile Strength	IS 1608 (Part 1): 2018
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars	Yield Stress (0.2 % Proof Stress)	IS 1608 (Part 1): 2018
48	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16): 1987: 2016
49	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Pre Consolidation Pressure, Pc	IS 2720 (Part 15): 1986 RA: 2016



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50	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Compression Index, Cc	IS 2720 (Part 15): 1986 RA: 2016
51	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) - Angle of Shearing Resistance	Is 2720 (Part 13): 1986 RA: 2016
52	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) - Cohesion	IS 2720 (Part 13): 1986 RA: 2016
53	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40): 1977 RA: 2016
54	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis: Wet Analysis (0.075 to 4.75 mm)	IS 2720 (Part 4): 1985 RA: 2015
55	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8): 1983 RA 2015
56	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction: Maximum Dry Density	IS 2720 (Part 8): 1983 RA: 2015
57	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Maximum Dry Density	IS 2720 (Part 7): 1980 RA: 2016
58	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Optimum Moisture Content	IS 2720 (Part 7): 1980 RA: 2016
59	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5): 1985 RA: 2015
60	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5): 1985 RA: 2015
61	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6): 1972 RA: 2016
62	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 1): 1980 RA: 2016