National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MAA NARMADA TESTING & RESEARCH LABORATORIES, JVR TOWER, MAHARAJPUR, JABALPUR, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5201 **Page No** 1 of 4

Validity 29/12/2021 to 28/12/2023 **Last Amended on** 04/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Autoclave cellular aerated concrete blocks	Block Density	IS 6441 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclave cellular aerated concrete blocks	Compressive strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclave cellular aerated concrete blocks	Dimensions, Height	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclave cellular aerated concrete blocks	Dimensions, Length	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Autoclave cellular aerated concrete blocks	Dimensions, Width	IS 2185 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D 2172 (Part 11)
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D 6927 (Part15)
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927 (Part15)
9	MECHANICAL- BUILDINGS MATERIALS	Burnt clay / fly ash bricks	Dimension, Height	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay / Fly ash Bricks	Dimension, Width	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Burnt clay / fly ash bricks	Dimensions, Length	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Fly ash Bricks	Compressive Strength	IS 3495 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Fly ash Bricks	Efflorescence	IS 3495 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/Fly ash Bricks	Water Absorption	IS 3495 (Part 2)
15	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
16	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)

SCOPE OF ACCREDITATION

Laboratory Name : MAA NARMADA TESTING & RESEARCH LABORATORIES, JVR TOWER, MAHARAJPUR, JABALPUR, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5201 **Page No** 2 of 4

Validity 29/12/2021 to 28/12/2023 **Last Amended on** 04/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blain's Air Permeability	IS 4031 (Part 2)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting time	IS 4031 (Part 5)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-chatilier method	IS 4031 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	10% fines value	IS 2386 (Part 4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Bulk density (Loose / Compacted)	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Crushing Value	IS 2386 (Part 4)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Elongation Index	IS 2386 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Flakiness Index	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Organic Impurities	IS 2386 (Part 2)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Sieve Analysis (Size: 4.75 to 80 mm)	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	soundness By MgSo4	IS 2386 (Part 5)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Specific gravity	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Water Absorption	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles	Resistance to wear	IS 1237
34	MECHANICAL- BUILDINGS MATERIALS	Concrete flooring tiles	Water Absorption	IS 1237
35	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk Density (Loose / Compacted)	IS 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part 2)
37	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Sieve analysis (Size: 75 micron to 4.75 mm)	IS 2386 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	MAA NARMADA TESTING & RESEARCH LABORATORIES, JVR TOWER, MAHARAJPUR, JABALPUR, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5201	**Page No**	3 of 4
Validity	29/12/2021 to 28/12/2023	**Last Amended on**	04/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by Blaine's Air permeability	IS 1727
41	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Residue on 45 micron	IS 1727
42	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727
43	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive strength of Core	IS 516 (Part 4)
44	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive strength of Cube	IS 516 (Part 1/ Section 1)
45	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion Resistance	IS 15658
46	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
47	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars for concrete reinforcement	Bend Test	IS 1599
49	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars for concrete reinforcement	Elongation	IS 1608 (Part-I)
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel bars for concrete reinforcement	Mass per meter	IS 1786
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars for concrete reinforcement	Rebend Test	IS 1786
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel bars for concrete reinforcement	Tensile strength	IS 1608 (Part-I)
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel bars for concrete reinforcement	Yield Stress	IS 1608 (Part-I)
54	MECHANICAL- SOIL AND ROCK	Soil	CBR Value	IS 2720 (Part 16)

SCOPE OF ACCREDITATION

Laboratory Name :	MAA NARMADA TESTING & RESEARCH LABORATORIES, JVR TOWER, MAHARAJPUR, JABALPUR, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5201	**Page No**	4 of 4
Validity	29/12/2021 to 28/12/2023	**Last Amended on**	04/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
55	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
56	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (20 mm to 0.075 mm)	IS 2720 (Part 4)
57	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
58	MECHANICAL- SOIL AND ROCK	Soil	Maximum dry density by heavy compaction	IS 2720 (Part 8)
59	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry density by light compaction	IS 2720 (Part 7)
60	MECHANICAL- SOIL AND ROCK	Soil	Moisture content	IS 2720 (Part 2)
61	MECHANICAL- SOIL AND ROCK	Soil	Optimum moisture content by heavy compaction	IS 2720 (Part 8)`
62	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture content by light compaction	IS 2720 (Part 7)
63	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
64	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3) Sec-1
65	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure	Rebound hammer test	IS 13311 (Part 2)
66	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Sec.-1)