National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CONSTRUCTION EXCELLENCE TESTING AND RESEARCH SERVICES, SR. NO. 25/11, MILKAT NO.706, NARHE, HAVELI, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5564 **Page No** 1 of 7

Validity 12/07/2022 to 11/07/2024 **Last Amended on** 02/11/2022

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
LOCATION 1-SR. NO. 25/11, MILKAT NO.706, NARHE, HAVELI, PUNE, MAHARASHTRA, INDIA Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Bulk Density (Dry)	IS 2386 (Part 3)
2	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Crushing Value	IS 2386 (Part 4)
3	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Elongation Index	IS 2386 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Flakiness Index	IS 2386 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Impact Value	IS 2386 (Part 4)
6	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Los Angeles Abrasion Value	IS 2386 (Part 4)
7	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Sieve Analysis(4.75mm To 80mm)	IS 2386 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Specific Gravity	IS 2386 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Water Absorption	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density (Dry)	IS 2386 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Materials Finer Than 75 Micron	IS 2386 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Sieve Analysis(0.075mm To 4.75mm)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Specific Gravity	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Water Absorption	IS 2386 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematics Viscosity	IS 1206 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5564	**Page No**	2 of 7
Validity	12/07/2022 to 11/07/2024	**Last Amended on**	02/11/2022

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	Bitumen	Softening Point	IS 1205
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
21	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixes	Bitumen Content	ASTM D2172
22	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixes	Flow Value	ASTM D6927-15
23	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixes	Marshall Stability	ASTM D6927-15
24	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly Ash Bricks	Dimension (Length)	IS 1077
25	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly Ash Bricks	Dimension (Height)	IS 1077
26	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly Ash Bricks	Dimension (Width)	IS 1077
27	MECHANICAL- BUILDINGS MATERIALS	Brick Clay/ Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Bricks Clay / Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
29	MECHANICAL- BUILDINGS MATERIALS	Bricks Clay/Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
31	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
32	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
33	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
35	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le- Chatelier Method	IS 4031 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard Consistency	IS 4031 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5564	**Page No**	3 of 7
Validity	12/07/2022 to 11/07/2024	**Last Amended on**	02/11/2022

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	Concrete Core	Compressive Strength	IS 516 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1 Sec1)
40	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Compressive Strength	IS 15658
41	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Water Absorption	IS 15658
42	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcement bar	Tensile Strength	IS 1608 (Part 1 & Part 3)
43	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcement bar	Bend Test	IS 1599
44	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcement bar	Elongation	IS 1608 (Part 1 & Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcement bar	Mass Per Meter	IS 1786
46	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcement bar	Rebend Test	IS 1786
47	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcement bar	Yield Stress	IS 1608 (Part 1 &Part 3)
48	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
49	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
50	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
51	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
52	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
53	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
54	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5), clause 5.0
55	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5564 **Page No** 4 of 7

Validity 12/07/2022 to 11/07/2024 **Last Amended on** 02/11/2022

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
LOCATION 2 - GAT NO.1652, DEHU- ALANDI ROAD, PATIL NAGAR, CHIKHALI, HAVELI, PUNE, PUNE, MAHARASHTRA, INDIA Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Impact Value	IS : 2386 (Part 4)
2	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Water Absorption	IS 2386 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Sieve Analysis(0.075 mm to 4.75 mm)	IS 2386 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Flakiness Index	IS 2386 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Elongation Index	IS 2386 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Los Angeles Abrasion Value	IS 2386 (Part 4)
7	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Sieve Analysis (4.75 mm to 80 mm)	IS 2386 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Specific Gravity	IS 2386 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density (Dry)	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Specific Gravity	IS 2386 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Water Absorption	IS 2386 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Fine)	Material Finer than 75 micron	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Bulk Density (Dry)	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Aggregate(Coarse)	Crushing Value	IS 2386 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Beam	Flexural Strength	IS516
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5564	**Page No**	5 of 7
Validity	12/07/2022 to 11/07/2024	**Last Amended on**	02/11/2022

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	Bitumen	Ductility	IS 1208
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
22	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixes	Bitumen Content	ASTM D2172
23	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixes	Flow Value	ASTM D6927-15
24	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixes	Marshall Stability	ASTM D6927-15
25	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly ash Brick	Compressive Strength	IS 3459 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly ash Brick	Efflorescence	IS 3495 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly ash Brick	Water Absorption	IS 3495 (Part 2)
28	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly ash Bricks	Dimension (Height)	IS 1077
29	MECHANICAL- BUILDINGS MATERIALS	Brick Clay / Fly ash Bricks	Dimension (width)	IS 1077
30	MECHANICAL- BUILDINGS MATERIALS	Bricks Clay /Fly ash Bricks	Dimension (Length)	IS1077
31	MECHANICAL- BUILDINGS MATERIALS	Cemenrt	Standard Consistency	IS 4031 (Part 4)
32	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
33	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
34	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving	IS 4031 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
36	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Cement	Specific Gravity	IS 4031 (Part 11)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5564 **Page No** 6 of 7

Validity 12/07/2022 to 11/07/2024 **Last Amended on** 02/11/2022

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38	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compresseive Strength	IS 516 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1 Sec 1)
40	MECHANICAL- BUILDINGS MATERIALS	Pavement Block	Compressive Strength	IS 15658
41	MECHANICAL- BUILDINGS MATERIALS	Pavement Block	Water Absorption	IS 15658
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel bar	Mass Per Meter	IS 1789
43	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcement bar	Yield Stress	IS 1608 (Part 1 & Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcementbar	Bend Test	IS 1599 (Part 1 & Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcementbar	Elongation	IS 1608 (Part 1 & Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcementbar	Rebend Test	IS 1786
47	MECHANICAL- BUILDINGS MATERIALS	Steel Reinforcementbar	Tensile Strength	IS 1608 (Part 1 & Part 3)
48	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
49	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
50	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
51	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
52	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
53	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
54	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5) clause 5.0
55	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5564	**Page No**	7 of 7
Validity	12/07/2022 to 11/07/2024	**Last Amended on**	02/11/2022

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
LOCATION 2 - GAT NO.1652, DEHU- ALANDI ROAD, PATIL NAGAR, CHIKHALI, HAVELI, PUNE, PUNE, MAHARASHTRA, INDIA Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Rebound Hammer	Rebound Hammer	IS 516 (Part 5 Sec 4)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	UltraSonic Pulse Velocity	Ultra Sonic Pulse Velocity	IS 516 (Part 5 Sec 1)