National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DUROCRETE ENGINEERING SERVICES PVT LTD, SUNIL TOWER SR.NO. 424/2 PLOT NO.3, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8884 **Page No** 1 of 4

Validity 29/05/2022 to 28/05/2024 **Last Amended on** 24/11/2022

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
Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441 (P-5)
2	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Density	IS 6441 (P-1)
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimensions (Height)	IS 1077: 2016 , IS 13757
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimensions (Width)	IS 1077 : 2016 , IS 13757
5	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimensions(Length)	IS 1077: 2016 , IS 13757
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Efflorescence Test	IS 3495 (P-3)
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Water Absorption	IS 3495 (P-2)
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Flyash Bricks	Compressive Strength	IS 3495 (P-1)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness Test	IS 2386 (Part V)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Alkali Aggregate Reactivity	IS 2386 (Part-7)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious material & Organic Impurity (Clay Lump, Silt Content, Soft)	IS 2386, Part-2
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / WBM / WMM	Aggregate Crushing Value	IS 2386 (P-4)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / WBM / WMM	Aggregate Impact Value	IS 2386 (P-4)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / WBM / WMM	Elongation Index	IS 2386 (P-1)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / WBM / WMM	Flakiness Index	IS 2386 (P-1)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / WBM / WMM	Loose Bulk Density	IS 2386 (P-3)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / WBM / WMM	Specific Gravity	IS 2386(P-3)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / WBM / WMM	Water Absorption	IS 2386 (P-3)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate(40 to 4.75 mm) / WBM / WMM	Sieve Analysis	IS 2386(P-1)
20	MECHANICAL- BUILDINGS MATERIALS	Concrete Cylinder	Modulus of elasticity	IS 516 (P-8)/Sec-1
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Alkali Aggregate Reactivity	IS 2386 (Part 7)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious material & Organic Impurity (Clay Lump, Silt Content, Soft Particle, Light Weight Pieces)	IS 2386 (Part II)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Loose Bulk Density	IS 2386(P-3)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75 micron	IS 2386(P-1)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness Test	IS 2386 (Part V)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (P-3)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (P-3)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (10 MM to 75 Micron)	Sieve Analysis	IS 2386(P-1)
29	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Cube/cores	IS 516 (Part-1/Sec-1), IS 516 (P-4)
30	MECHANICAL- BUILDINGS MATERIALS	Masonry Hollow & Solid Blocks	Compressive strength of concrete masonry Units (Hollow & Solid Blocks)	IS 2185 (P-1)
31	MECHANICAL- BUILDINGS MATERIALS	Masonry Hollow & Solid Blocks	Water absorption of concrete masonry unit	IS 2185 (P-1)
32	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks for Paving	Compressive Strength	IS 15658
33	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks for Paving	Water Absorption	IS 15658
34	MECHANICAL- BUILDINGS MATERIALS	Steel	% Elongation	IS 1608 (P-1)
35	MECHANICAL- BUILDINGS MATERIALS	Steel	Bend Test	IS 1599
36	MECHANICAL- BUILDINGS MATERIALS	Steel	Rebend Test	IS 1786

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37	MECHANICAL- BUILDINGS MATERIALS	Steel/seven wire strand	Breaking Strength/ Tensile Strength	IS 1608 (P-1)
38	MECHANICAL- BUILDINGS MATERIALS	Steel/seven wire strand	Nominal mass per unit length	IS 14268
39	MECHANICAL- BUILDINGS MATERIALS	Steel/seven wire strand	Yield Strength	IS 1608 (P-1)
40	MECHANICAL- SOIL AND ROCK	clay and soil	Free swell Index	IS 2720 part 40
41	MECHANICAL- SOIL AND ROCK	Soil & Rock	Specific gravity	IS 2720 part III
42	MECHANICAL- SOIL AND ROCK	Soil / GSB/ Earth-Fill / Stabilized Sub Base/ WBM / WMM	CBR(Soaked/Unsoaked)	IS 2720(P-16)
43	MECHANICAL- SOIL AND ROCK	Soil / GSB/ Earth-Fill / Stabilized Sub Base/ WBM / WMM	Direct Shear Test	IS 2720(P-13)
44	MECHANICAL- SOIL AND ROCK	Soil / GSB/ Earth-Fill / Stabilized Sub Base/ WBM / WMM	Grain Size Analysis	IS 2720(P-4)
45	MECHANICAL- SOIL AND ROCK	Soil / GSB/ Earth-Fill / Stabilized Sub Base/ WBM / WMM	Liquid Limit.	IS 2720(P-5)
46	MECHANICAL- SOIL AND ROCK	Soil / GSB/ Earth-Fill / Stabilized Sub Base/ WBM / WMM	Plastic limit	IS 2720(P-5)
47	MECHANICAL- SOIL AND ROCK	Soil / GSB/ Earth-Fill / Stabilized Sub Base/ WBM / WMM	Proctor Density (OMC)	IS 2720 (P-7)
48	MECHANICAL- SOIL AND ROCK	Soil / GSB/ Earth-Fill / Stabilized Sub Base/ WBM / WMM	Standard Proctor Density (MDD)	IS 2720 (P-7)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil in situ Test	Plate Load Test	DIN18134
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Carbonation	Carbonation Test	IS 516 (part 5/Sec3)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Cover Depth	Cover Depth	BS 1881 Part 204
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Half Cell Potential Difference test	Half Cell Potential Difference test	IS 516 : Part 5 : Sec 2
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Rebound Hammer Test	Rebound Hammer Test	IS 516 Part 5/ Sec 4
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	UPV	Ultrasonic Pulse Velocity	IS 516 Part 5/Sec-1