

CERTIFICATE OF ACCREDITATION

This is to attest that

DUROCRETE ENGINEERING SERVICES PRIVATE LTD.

SURVEY NO. 38, HISSA NO. 2/3 NEAR PARI COMPANY CHOWK, NARHE INDUSTRIAL ESTATE RD OPPOSITE VENKATESH SHARVIL SOCIETY, PUNE, MH 411041, REPUBLIC OF INDIA

Testing Laboratory TL-1092

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date December 11, 2024



International Accreditation Service Issued under the authority of IAS management

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. I www.iasonline.org

DUROCRETE ENGINEERING SERVICES PRIVATE LTD.

www.durocrete.in

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Accredited to ISO/IEC 17025:2017

Effective Date December 11, 2024

Admixture, Water Pro	Admixture, Water Proofing Compound		
IS 6925	Specification for Methods of Test for Determination of Water Soluble Chlorides in Concrete Admixtures		
IS 9103	Specification for Concrete Admixtures		
Aggregate	Aggregate		
IS 2386: Part 1	Methods of Test for Aggregates for Concrete - Part I: Particle Size and Shape (Excluding Sec. 6)		
IS 2386: Part 2	Methods of test for aggregates for concrete Part 2 Estimation of deleterious materials and organic impurities		
IS 2386: Part 3	Methods of test for aggregates for concrete Part 3 Specific gravity, density, voids, absorption and bulking		
IS 2386: Part 4	Methods of test for aggregates for concrete Part 4 Mechanical properties (Excluding Sec. 6)		
IS 2386: Part 5	Methods of Test for Aggregates for Concrete - Part V: Soundness		
IS 2386: Part 7	Methods of Test for Aggregates for Concrete - Part VII: Alkali Aggregate Reactivity		
IS 2720: Part 26	Method of test for soils: Part 26 Determination of pH value		
Autoclave Aerated Blo	Autoclave Aerated Blocks (AAC Block)		
IS 2185: Part 3	Concrete Masonry Units Part 3 Autoclaved Cellular Aerated Concrete Blocks		
IS 3346	Method of the determination of thermal conductivity of thermal insulation materials (two slab guarded hot plate method)		
IS 6441: Part 1	Methods of test for autoclaved cellular concrete products: Part I Determination of unit weight or bulk density and moisture content		
IS 6441: Part 2	Methods of Test for Autoclaved Cellular Concrete Products - Part II Determination of Drying Shrinkage.		
IS 6441: Part 5	Methods of Test for Autoclaved Cellular Concrete Products - Part V Determination of Compressive Strength		
Burnt Clay Bricks & Fly Ash Bricks			

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IS 1077	Common Burnt Clay Building Bricks -Specification
IS 3495: Part 1	Burnt Clay Building Bricks — Methods of Tests Part 1 Determination of Compressive Strength
IS 3495: Part 2	Burnt Clay Building Bricks — Methods of Tests Part 2 Determination of Water Absorption
IS 3495: Part 3	Burnt Clay Building Bricks — Methods of Tests Part 3 Determination of Efflorescence
IS 12894	Pulverized Fuel Ash-Lime Bricks – Specification Exclusion – 7.2 Drying Shrinkage
IS 13757	Burnt Clay Fly Ash Building Bricks-specification
Carbon and Low Alle	by Steel (Chemical Analysis by OES)
ASTM E415	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry. Inclusions (Element & Range): Carbon 0.080% to 0.900% Silicon 0.150% to 0.450% Manganese 0.100% to 2.000% Sulphur 0.010% to 0.055% Phosphorus 0.010% to 0.085%
IS 8811	Method for Emission Spectrometric Analysis of Plain Carbon and Low Alloy Steels Point to Plane Technique Inclusions (Element & Range): Carbon 0.080% to 0.900% Silicon 0.150% to 0.450% Manganese 0.100% to 2.000% Sulphur 0.010% to 0.055% Phosphorus 0.010% to 0.085%
JIS G 1253	Iron and steel—Method for spark discharge atomic emission spectrometric analysis Inclusions (Element & Range): Carbon 0.080% to 0.900% Silicon 0.150% to 0.450% Manganese 0.100% to 2.000% Sulphur 0.010% to 0.055% Phosphorus 0.010% to 0.085%
Cellular Light Weigh	t Concrete Block
IS 2185: Part 4	Concrete masonry units - Part 4 Preformed foam cellular concrete blocks.
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Cement Concrete Chequered Tiles		
IS 13801	Chequered Cement Concrete Tiles	
Cement Concrete Flooring Tiles		
IS 1237	Cement Concrete Flooring Tiles - Specification	
Cementitious Materia	Cementitious Material (Cement & GGBS/GGBFS)	
IS 4031: Part 1	Methods of physical tests for hydraulic cement: Part 1 Determination of fineness by dry sieving	
IS 4031: Part 2	Methods of physical tests for hydraulic cement: Part 2 Determination of fineness by specific surface by Blaine air permeability method	
IS 4031: Part 3	Methods of physical tests for hydraulic cement: Part 3 Determination of soundness	
IS 4031: Part 4	Methods of physical tests for hydraulic cement: Part 4 Determination of consistency of standard cement paste	
IS 4031: Part 5	Methods of physical tests for hydraulic cement: Part 5 Determination of initial and final setting times	
IS 4031: Part 6	Methods of physical tests for hydraulic cement: Part 6 Determination of compressive strength of hydraulic cement (other than masonry cement)	
IS 4031: Part 10	Methods of physical tests for hydraulic cement: Part 10 Determination of drying shrinkage	
IS 4031: Part 11	Methods of physical tests for hydraulic cement: Part 11 Determination of density	
IS 4032	Method of chemical analysis of hydraulic cement	
IS 16714	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar & Concrete-Specification Exclusions: Sulphide Sulphur (S) and Glass Content	
Ceramic Tiles	·	
IS 13630: Part 1	Ceramic Tiles — Methods of Test, Sampling and Basis for Acceptance Part 1 Determination of Dimensions and Surface Quality	
IS 13630: Part 2	Ceramic Tiles — Methods of Test, Sampling and Basis for Acceptance Part 2 Determination of Water Absorption and Bulk Density	
IS 13630: Part 3	Ceramic Tiles — Methods of Test, Sampling and Basis for Acceptance Part 3 Determination of Moisture Expansion Using Boiling Water	
IS 13630: Part 5	Ceramic Tiles — Methods of Test, Sampling and Basis for Acceptance Part 5 Determination of Resistance to Thermal Shock	

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IS 13630: Part 6	Ceramic Tiles — Methods of Test, Sampling and Basis for Acceptance Part 6 Determination of Modulus of Rupture and Breaking Strength
IS 13630: Part 9	Ceramic Tiles — Methods of Test, Sampling and Basis for Acceptance Part 9 Determination of Crazing Resistance of Glazed Tiles
IS 13630: Part 13	Ceramic Tiles — Methods of Test Sampling and Basis for Acceptance Part 13 Determination of Scratch Hardness of Surface According to Mohs' Scale
Concrete / Hardened C	oncrete / Hardened Concrete Core
ASTM F710-11	Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
IS 516: Part 1: Sec 1	Hardened concrete methods of test part 1 testing of strength of hardened concrete section 1 compressive, flexural and split tensile strength
IS 516: Part 2: Sec 1	Hardened Concrete — Methods of Test Part 2 Properties of Hardened Concrete other than Strength Section 1 Density of Hardened Concrete and Depth of Water Penetration Under Pressure
IS 516: Part 4	Hardened Concrete —Methods of Test Part 4 Sampling, Preparing and Testing of Concrete Cores
IS 516: Part 6	Hardened Concrete — Methods of Test Part 6 Determination of Drying Shrinkage and Moisture Movement of Concrete Samples
IS 516: Part 8 Sec 1	Hardened Concrete-Methods of Test Part 8-Determination of Modulus of Elasticity Section 1 Static Modulus of Elasticity and Poisson's Ratio in Compression
IS 1199 Part 2	Fresh Concrete— Methods of Sampling, Testing and Analysis Part 2 Determination of Consistency of Fresh Concrete (Excluding 4.4, 4.5, 4.6)
IS 1199: Part 4	Fresh Concrete — Methods of Sampling, Testing and Analysis Part 4 Determination of Air Content of Fresh Concrete
IS 1199: Part 7	Fresh Concrete — Methods of Sampling, Testing and Analysis Part 7 Determination of Setting Time of Concrete by Penetration Resistance
IS 2770: Part 1	Methods of testing bond in reinforced concrete Part 1 Pull-out test
IS 4032	Method of chemical analysis of hydraulic cement
IS 9013	Method of making, curing and determining compressive strength of accelerated cured concrete test specimens
Door Shutter	•
IS 4020	Door Shutters - Methods of Tests, Inclusions: Parts - 1, 2, 3, 4, 5, 8, 10, 11, 13, 14, 15 and 16
Flooring Product Tile	



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IS 13630: Part 8	Ceramic Tiles — Methods of Test, Sampling and Basis for Acceptance Part 8 Determination of Stain and Chemical Resistance of Glazed Tiles	
Flooring Product Tile/Mar	Flooring Product Tile/Marble/Granite	
IS 13630: Part 7	Ceramic Tiles — Methods of Test, Sampling and Basis for Acceptance Part 7 Determination of Stain and Chemical Resistance of Unglazed Tiles	
Gypsum Plaster		
IS 1288	Methods of test for mineral gypsum Inclusions: Clause 3 Determination of Fineness Clause 10 Determination of Calcium Oxide Clause 12 Determination of Sulphur Trioxide	
IS 2547: Part 1	Gypsum building plaster: Part 1 Excluding premixed lightweight plaster	
IS 2547: Part 2	Gypsum building plaster: Part 2 Lightweight plaster	
Lime		
IS 6932: Part 1	Method of test for building limes Part 1 Determination of insoluble residue, loss on ignition, insoluble matter, silicone dioxide, ferric and aluminium oxide, calcium oxide and magnesium oxide	
Masonry Block (Hollow/So	olid)	
IS 2185: Part 1	Concrete masonry units - Part 1 Hollow and solid concrete blocks	
Masonry Mortar		
BS EN 1015-1	Methods of test for mortar for masonry Determination of particle size distribution (by sieve analysis)	
BS EN 1015-3	Methods of test for mortar for masonry Determination of consistence of fresh mortar (by flow table)	
BS EN 1015-6	Methods of test for mortar for masonry Determination of bulk density of fresh mortar	
BS EN 1015-10	Methods of test for mortar for masonry Determination of dry bulk density of hardened mortar	
BS EN 1015-11	Methods of test for mortar for masonry Determination of flexural and compressive strength of hardened mortar	
BS EN 1015-12	Methods of test for mortar for masonry Determination of adhesive strength of hardened rendering and plastering mortars on substrates	
Masonry Structure		
IS 13946: Part 4	Determination of rock stress-Code of practice Part 4 Using flat jack technique.	





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ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel
	Products
	Inclusions:
	Tensile Test
	Bend Test
ASTM E8/E8M	Standard Test Methods for Tension Testing of Metallic Materials
ASTM E797 / E797M-15	Standard Practice for Measuring Thickness by Manual Ultrasonic Pulse-Echo Contact Method
	Inclusion – 3) Direct Thickness Readout
IS 1599	Metallic Materials - Bend Test
IS 1608: Part 1	Metallic materials - Tensile testing - Part 1: Method of test at room temperature
IS 1786	High strength deformed steel bars and wires for concrete reinforcement-
IS 2328	Metallic Materials — Tube — Flattening Test
ISO 6892-Part- 1	Metallic materials — Tensile testing — Part 1: Method of test at room temperature
Metallic Material (Non Des	structive Testing)
ASME Sec V, Article 4, Edition 2023	Non-destructive Examination, Article 4- Ultrasonic Examination Methods for Welds.
ASME Sec V, Article 5, Edition 2023	Non-destructive Examination, Article 5- Ultrasonic Examination Methods for Materials.
ASME Sec. V, Article 6, Edition 2023	Non-destructive Examination, Article 6- Liquid Penetrant Examination.
ASME Sec. V, Article 7, Edition 2023	Non-destructive Examination, Article 7- Magnetic Particle Examination
ASME Sec. V, Article 9, Edition 2023	Non-destructive Examination, Article 9- Visual Examination
ASME Sec VIII, Division 1, Appendix 6, Edition 2023	Rules for Construction of Pressure Vessels - Appendix 6: Methods for Magnetic Particle Examination (MT)
ASME Sec VIII, Division 1, Appendix 8, Edition 2023	Rules for Construction of Pressure Vessels - Appendix 8: Methods for Liquid Penetrant Examination. (PT)
ASME Sec VIII, Division 1, Appendix 12, Edition 2023	Rules for Construction of Pressure Vessels - Appendix 12: Ultrasonic Examination for Welds. (UT)
Micro Silica	•





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ASTM C1240	Standard Specification for Silica Fume Used in Cementitious Mixtures1		
IS 1727	Methods of test for Pozzolanic materials		
IS 15388	Specification for Silica Fume Exclusions: Specific Surface Area (BET)		
Natural Building Stone			
IS 1121: Part 1	Determination of Strength Properties of Natural Building Stones - Methods of Test Part 1 Compressive Strength		
IS 1121: Part 2	Determination of Strength Properties of Natural Building Stones - Methods of Test Part 2 Transverse Strength		
IS 1124	Method of test for determination of water absorption, apparent specific gravity and porosity of natural building stones		
IS 1706	Method for determination of resistance to wear by abrasion of natural building stones		
IS 14223: Part 1	Polished Building Stones: Part 1 Granite		
Paint	Paint		
ASTM D4414-95	Standard Practice for Measurement of Wet Film Thickness by Notch Gages Inclusion: Procedure A		
IS 101: Part 1: Sec 1	Methods Of Sampling And Test For Paints, Varnishes And Related Products Part 1 Test On Liquid Paints (general And Physical) Sec 1 Sampling		
IS 101: Part 1: Sec 5	Methods Of Sampling And Test For Paints, Varnishes And Related Products Part 1 Tests On Liquid Paints (general And Physical) Sec 5 Consistency		
IS 101: Part 1: Sec 7	Methods of Sampling and Test for Paints, Varnishes and Related Products Part 1 Test on Liquid Paints (General and Physical) Section 7 Mass per 10 litres Determination of density Pycnometer method		
IS 101: Part 3: Sec 1	Methods Of Sampling And Test For Paints, Varnishes And Related Products Part 3 Tests On Paint Film Formation Sec 1 Drying Time		
IS 101: Part 3: Sec 2	Methods Of Sampling And Test For Paints, Varnishes And Related Products Part 3 Tests On Paint Film Formation Sec 2 Film Thickness.		
IS 101: Part 4: Sec 4	Methods of Sampling and Test for Paints, Varnishes and Related Products Part 4 Optical Test Section 4 Gloss Determination of gloss value at 20°, 60° and 85°		
IS 101: Part 5: Sec 2	Methods of sampling and test for paints, varnishes and related products part 5 Mechanical test on paint films Sec 2 Flexibility and adhesion Inclusions: Only Adhesion Test		

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IS 101: Part 8: Sec 2	Methods of sampling and test for paints, varnishes and related products Part 8 Tests for pigments and other solids Sec 2 Pigments and non-volatile matter
IS 101: Part 8: Sec 3	Methods of sampling and test for paints, varnishes and related products: Part 8 Tests for pigments and other solids: Sec 3 Ash content
IS 15489	Paint, Plastic Emulsion - Specification
Paving Block	
IS 15658	Concrete Paving Blocks – Specification, Excluding Annexure E & H
Plaster Product	
IS 2542: Part 1	Methods of Test for Gypsum Plaster, Concrete and Products - Part I : Plaster and Concrete. Inclusions Sec- 1,3,5,6,12
Plywood	
IS 1734: Part 1 to 20	Methods of test for plywood
Pre-stressed Strand	
IS 14268	Uncoated Stress Relieved Low Relaxation Seven-Wire (Ply) Strand for Prestressed Concrete - Specification
Pulverised Fuel Ash / F	ly Ash
IS 1727	Methods of test for Pozzolanic materials
IS 3812: Part 1	Pulverrized Fuel Ash - Specification
	Part 1 For use as Pozzolana in Cement, Cement Mortar and Concrete Exclusion - Annex B & Annex C
Reinforce Concrete Str	uctural Members
IS 456	Plain and Reinforced Concrete - Code of Practice
IS 516: Part 5: Sec 1	Hardened Concrete —Methods of Test Part 5 Non-destructive Testing of Concrete Section 1 Ultrasonic Pulse Velocity Testing
IS 516: Part 5: Sec 2	Hardened concrete-methods of test part 5 non-destructive testing section 2 half -cell potentials of uncoated reinforcing steel in concrete
IS 516: Part 5: Sec 3	Hardened Concrete - Methods of Test Part 5 Non-Destructive Testing of Concrete Section 3 Carbonation Depth Test
IS 516: Part 5: Sec 4	Hardened Concrete- Methods of Test Part 5 Non-Destructive Testing of Concrete Section 4 Rebound Hammer Test
Reinforced Steel (Mech	anical tests)
IS 1599	Metallic Materials - Bend Test



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IS 1608: Part 1	Metallic materials - Tensile testing - Part 1: Method of test at room temperature
IS 1786	High strength deformed steel bars and wires for concrete reinforcement
Reinforcement Coupler	
IS 16172	Reinforcement Couplers for Mechanical Splices of Bars in Concrete – Specification Inclusions: Only Static Tensile Test
Soil / GSB/ Earth-Fill / St	abilized Sub-Base/ WBM / WMM
ASTM D6572	Standard Test Methods for Determining Dispersive Characteristics of Clayey Soils by the Crumb Test.
IS 2720: Part 2	Methods of test for soils: Part 2 Determination of water content
IS 2720: Part 3: Sec 1	Methods of test for soils: Part 3 Determination of specific gravity, Section 1 Fine grained soils
IS 2720: Part 3: Sec 2	Methods of test for soils: Part 3 Determination of specific gravity, Section 2 Coarse grained soils
IS 2720: Part 4	Methods of test for soils: Part 4 Grain size analysis
IS 2720: Part 5	Methods of test for soils: Part 5 Determination of liquid and plastic limit
IS 2720: Part 6	Methods of test for soils: Part 6 Determination of shrinkage factors
IS 2720: Part 7	Methods of test for soils: Part 7 Determination of water content-dry density relation using light compaction.
IS 2720: Part 8	Methods of test for soils: Part 8 Determination of water content-dry density relation using heavy compaction
IS 2720: Part 10	Methods of test for soils: Part 10 Determination of unconfined compressive strength
IS 2720: Part 13	Methods of test for soils: Part 13 Direct shear test
IS 2720: Part 16	Methods of test for soils: Part 16 Laboratory determination of CBR
IS 2720: Part 17	Methods of test for soils: Part 17 Laboratory determination of permeability
IS 2720: Part 26	Method of test for soils: Part 26 Determination of pH value
IS 2720: Part 27	Methods of test for soils: Part 27 Determination of total soluble sulphates
IS 2720: Part 40	Methods of test for soils: Part 40 Determination of free swell index of soils
Soil in situ Test	
IS 1888	Method of load test on soils





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IS 2720: Part 28	Methods of test for soils: Part 28 Determination of dry density of soils, in-place, by the sand replacement method
IS 2720: Part 29	Methods of Test for Soils - Part 29: Determination of Dry Density of Soils In- place by the Core-cutter Method
IS 2720: Part 31	Methods of test for soils: Part 31 Field determination of California Bearing Ratio
IS 9214	Method of determination of modulus of subgrade reaction (K-value) of soils in field.
IS 15736	Geological exploration by geophysical method (electrical resistivity) - Code of practice
Stones / Rock	,
BS EN 12407	Natural stone test methods - petrographic examination
IS 8764	Method of determination of point load strength index of rocks
IS 9143	Method for the determination of unconfined compressive strength of rock materials
IS 13030	Method of test for laboratory determination of water content, porosity, density and related properties of rock material Inclusion – Method 5 -Porosity and Density determination using saturation and caliper techniques.
Tile / Block Adhesive	
IS 15477	Adhesives for Use with Ceramic Tiles and Mosaics
Water for Construction	on Purpose
IS 3025: Part 11	Methods of sampling and test (physical and chemical) for water and wastewater Part 11 pH value
IS 3025: Part 15	Methods of sampling and test (physical and chemical) for water and wastewater: Part 15 Total residue (total solids-dissolved and suspended)
IS 3025: Part 17	Methods of sampling and test (physical and chemical) for water and wastewater: Part 17 Non-filterable residue (total suspended solids
IS 3025: Part 18	Methods of sampling and test (physical and chemical) for water and wastewater: Part 18 Volatile and fixed residue (total filterable and non-filterable)
IS 3025: Part 21	Methods of sampling and test (physical and chemical) for water and wastewater: Part 21 Total hardness
IS 3025: Part 22	Methods of Sampling and Test (Physical and Chemical) for Water and Waste Water - Part 22: Acidity



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IS 3025: Part 23	Methods of sampling and test (physical and chemical) for water and wastewater: Part 23 Alkalinity
IS 3025: Part 24	Methods of Sampling and Test (Physical and Chemical) for Water and Waste Water - Part 24 Sulphates Section 1 Gravimetric and turbidity methods
IS 3025: Part 32	Methods of sampling and test (physical and chemical) for water and wastewater: Part 32 Chloride

