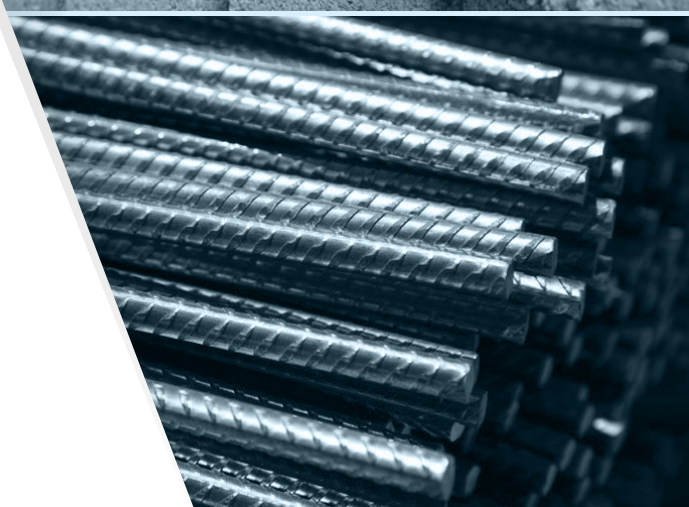
URBAN

LAB + CONSULTANTS



ULC Assuring Quality

to build with confidence

URBAN
LAB + CONSULTANTS

ABOUT US

URBAN LAB + CONSULTANTS, is fully equipped with state-of–the-art equipment for in–house testing facilities for performing physical and chemical tests on most of the construction materials and their products under controlled environmental conditions, centrally located in Borivali, Mumbai.

ULC is operating with highest ethical and professional standards, providing testing services for civil engineering materials. The laboratory is soundly equipped to conduct various kinds of research and material testing for institutional, residential and commercial projects.

ULC is a specialist testing company, catering for the civil structural engineering fraternity, small / large Builders, Developers and Contractors needs across whole of the Mumbai.

QUALITY POLICY

URBAN LAB + CONSULTANTS, is to achieve self and customers' satisfaction by providing reliable, consistent, error free test results of building materials in accordance with national / international / customer specific standards and good professional practices, as per the needs of its customers.

ULC follows good professional practices by use of appropriate tests / methods, standard reference materials, calibrated equipment, and trained personnel, shall endeavour to provide efficient services to its customers and take actions to enhance their satisfaction.

ULC is committed to improve services provided to customers complying with requirements of regulatory bodies and providing resources for quality services and training to all employees to be aware of Quality management system and implement quality policy and procedures in their work.

ULC is further committed to be fully responsible and Accountable towards successful implementation of quality management systems by meeting the requirements of **ISO/IEC9001:2015**

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

CERTIFICATE OF ACCREDITATION

URBAN LAB + CONSULTANTS

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Office No.: 10, 06, Bldg. No.: 01, Sindhi Colony,
Ram Nagar Marg, Borivali- West, Mumbai, Maharashtra

in the field of

TESTING

Certificate Number TC-7947

Issue Date 26/09/2018 **Valid Until** 25/09/2020

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

8907697010003000 2063

Anil Relia
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory Urban Lab + Consultants, Office No.: 10, 06, Bldg. No.: 01, Sindhi Colony, Ram Nagar Marg, Borivali- West, Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7947

Validity 26.09.2018 to 25.09.2020 **Last Amended on** --

MECHANICAL TESTING

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	**BUILDING MATERIALS**			
1.	**Aggregate-Coarse**	Sieve Analysis	IS 2386 (Part 1)	0.1 % to 100 % (4.75 to 63 mm)
		Flakiness Index	IS 2386 (Part 1)	1 % to 50 %
		Elongation Index	IS 2386 (Part 1)	1 % to 50 %
		Specific Gravity	IS 2386 (Part 3)	2 to 4
		Water Absorption	IS 2386 (Part 3)	0.5 % to 6 %
		Bulk Density	IS 2386 (Part 3)	1.2 kg/L to 2.0 kg/L
		Impact Value	IS 2386 (Part 4)	5 % to 50 %
		Crushing Value	IS 2386 (Part 4)	5 % to 50 %
2.	**Aggregate-Fine**	Sieve Analysis	IS 2386 (Part 1)	0.1 % to 100 % (0.075 mm to 4.75 mm)
		Material Finer than 75 Micron	IS 2386 (Part 1)	1 % to 20 %
		Specific Gravity	IS 2386 (Part 3)	2 to 4
		Water Absorption	IS 2386 (Part 3)	0.1 % to 10 %
		Bulk Density	IS 2386 (Part 3)	1.2 kg/L to 2.0 kg/L
		Percentage of Bulking	IS 2386 (Part 3)	2 % to 40 %
3.	**Cement (OPC / PPC)**	Fineness by Dry Sieving	IS 4031 (Part 2)	1 % to 20 %
		Fineness by Blaine's Air Permeability	IS 4031 (Part 2)	200 m^2/kg to 400 m^2/kg
		Soundness by Le-Chatelier Method	IS 4031 (Part 3)	0.1 mm to 10 mm
		Standard Consistency	IS 4031 (Part 4)	25 % to 40 %
		Initial Setting Time	IS 4031 (Part 5)	30 min. to 300 min.
		Final Setting Time	IS 4031 (Part 5)	100 min. to 600 min.
4.	**Pozzolanic Material - Fly Ash**	Fineness by Dry Sieving	IS 1727	5 % to 40 %
		Initial Setting Time	IS 1727	30 min. to 300 min.
		Final Setting Time	IS 1727	100 min. to 400 min.

Deepak Kumar Sharma
Convenor

Anuja Anand
Program Manager

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		Fineness by Blaine's Air Permeability	IS 1727	200 m^2/kg to 600 m^2/kg
		Soundness by Le-Chatelier Method	IS 1727	0.1 mm to 10 mm
5.	**Concrete**	Compressive Strength (Cube & Core)	IS 516	5 N/mm^2 to 80 N/mm^2
		Rapid Chloride Permeability Test	ASTM C 1202	250 Coulomb to 8000 Coulomb
		Initial Surface Absorption	BS 1881-208	0.01 $ml/m^2/s$ to 1.8 $ml/m^2/s$
		Water Absorption	BS 1881-122	0.1 % to 3 %
6.	**Bricks (Burnt Clay)**	**Dimensions** Length Width Height	IS 1077	 2000 mm to 5000 mm 1000 mm to 3500 mm 1000 mm to 2500 mm
		Compressive Strength	IS 3495 (Part 1)	1 N/mm^2 to 20 N/mm^2
		Water Absorption	IS 3495 (Part 2)	3 % to 30 %
		Efflorescence	IS 3495 (Part 3)	Qualitative (Visual)
7.	**Bricks (Fly Ash)**	**Dimensions** Length Width Height	IS 13757	 2000 mm to 5000 mm 1000 mm to 3500 mm 1000 mm to 2500 mm
		Compressive Strength	IS 3495 (Part 1)	1 N/mm^2 to 20 N/mm^2
		Water Absorption	IS 3495 (Part 2)	3 % to 30 %
		Efflorescence	IS 3495 (Part 3)	Qualitative (Visual)
8.	**Autoclaved Cellular (Aerated) Concrete Blocks**	**Dimensions** Length Width Height	IS 2185 (Part 3)	 100 mm to 900 mm 50 mm to 500 mm 30 mm to 300 mm
		Bulk Density	IS 6441 (Part 1)	0.25 g/cc to 1.2 g/cc
		Moisture Content	IS 6441 (Part 1)	3 % to 35 %
		Compressive Strength	IS 6441 (Part 5)	0.5 N/mm^2 to 15 N/mm^2

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
9.	Precast Concrete Paving Block	Water Absorption	IS 15658	1 % to 10 %
		Compressive Strength	IS 15658	10 N/mm² to 80 N/mm²
10.	Checkered Concrete Tiles	Water Absorption	IS 13801	1 % to 20 %
11.	Cement Concrete Flooring Tiles	Water Absorption	IS 1237	1 % to 20 %
12.	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)	0.01 % to 0.1 %
II.	SOIL AND ROCKS			
1.	Soil	Water Content	IS 2720 (Part 2)	1 % to 50 %
		Specific Gravity	IS 2720 (Part 3)	2.4 to 2.9
		Sieve Analysis (Wet Analysis)	IS 2720 (Part 4)	0.1 % to 100 % (0.075 mm to 4.75 mm)
		Liquid Limit	IS 2720 (Part 5)	5 % to 300 %
		Plastic Limit	IS 2720 (Part 5)	5 % to 300 %
		Light Compaction	IS 2720 (Part 7)	OMC: 6 % to 30 % MDD: 1.5 g/cc to 2.5 g/cc
		Heavy Compaction	IS 2720 (Part 8)	OMC: 6 % to 30 % MDD: 1.6 g/cc to 2.9 g/cc
		Free Swell Index	IS 2720 (Part 40)	Upto 300 %

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
			MECHANICAL TESTING	
AT SITE				
I.	**SOIL AND ROCKS**			
1.	**Soil**	Dry Density by Core Cutter Method	IS 2720 (Part 29)	1.3 g/cc to 2.5 g/cc

Deepak Kumar Sharma
Convenor

Anuja Anand
Program Manager

OUR SERVICES

A key to our service is technical support, practical recommendations and solutions using a wide range of materials, technologies, experiences and capabilities.

- Aggregates Testing (Coarse and Fine)
- Cement Testing
- Concrete Mix Designs
- Concrete Cube Testing
- Concrete Core Testing
- Bricks Testing
- Concrete Block Testing
- Paver Block Testing
- Water Testing
- Soil Testing
- Steel Testing
- Timber & Wood Testing
- Non Destructive Testing (NDT)
- Temperature Monitoring of Mass Concrete
- Rebar Grouting works
- Core cutting works
- Personal Protective Equipment

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E-Mail: urbanlabnconsultants@gmail.com