



**National Accreditation Board for  
Testing and Calibration Laboratories**  
(A Constituent Board of Quality Council of India)



**CERTIFICATE OF ACCREDITATION**

**LANDMARK MATERIAL TESTING AND RESEARCH  
LABORATORY PVT. LTD.**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17043:2010**

**"Conformity Assessment - General Requirements for Proficiency Testing"**

for its facilities at

G-200, Mansarover Industrial Area, Jaipur, Rajasthan

in the field of

**Proficiency Testing Provider**

**Certificate Number** PC-1011

**Issue Date** 12/06/2019

**Valid Until** 11/06/2021

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 Proficiency Testing Provider, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Signed for and on behalf of NABL



8907697040000000037

N. Venkateswaran  
Chief Executive Officer



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## SCOPE OF ACCREDITATION

**PT Provider** Landmark Material Testing and Research Laboratory Pvt. Ltd., G-200, Mansarover Industrial Area, Jaipur, Rajasthan, India

**Accreditation Standard** ISO/IEC 17043:2010

**Certificate Number** PC-1011

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**Validity** 12.06.2019 to 11.06.2021

Last Amended on -

S.No.	Proficiency Testing Scheme	Proficiency Testing Item	Analyte/ Parameter/ Test Method
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### MECHANICAL TESTING

I.	SIMULTANEOUS SCHEME	Building Material Coarse Aggregate/ Ballast	Sieve Analysis (Gradation) Impact Value Water Absorption Crushing Value 10% Fine Value Elongation Index Flakiness Index Specific gravity Los Angeles Abrasion Value Bulk Density Soundness
		Fine Aggregate	Sieve Analysis (Gradation) Water Absorption Materials finer than 75 $\mu$ Bulk Density Specific gravity Sand Equivalent Value Soundness
		Bricks	Compressive Strength Water Absorption
		Paver Block	Compressive Strength Water Absorption Abrasion Resistance

Anita Rani  
Convenor

N. Venkateswaran  
Program Manager



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S.No.	Proficiency Testing Scheme	Proficiency Testing Item	Analyte/ Parameter/ Test Method
	SIMULTANEOUS SCHEME	Tiles (Concrete/Ceramic/Vitrified)	Resistance to Wear
			Straightness
			Flatness
			Water Absorption
			Perpendicularity
			Breaking Strength
			Modulus of Rupture
			Rectangularity
			Scratch Hardness of Surface (Moh's Scale)
		Bitumen/ Emulsion	Specific Gravity
			Softening Point
			Penetration Test
			Ductility Test
			Flash Point
			Solubility in Trichloroethylene
			Elastic Recovery at 15°C
			Viscosity by Saybolt furol viscometer (at 25°C and 50°C)
			Residue on 600 micron
			Water Content
			Residue by Evaporation
		Absolute Viscosity @60°C	
		Kinematic Viscosity @135°C	
		Wood/ Timber	Moisture Content
			Specific Gravity

  
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S.No.	Proficiency Testing Scheme	Proficiency Testing Item	Analyte/ Parameter/ Test Method
	SIMULTANEOUS SCHEME	GI Pipe	Dimensions -Outside Diameter -Thickness
			Nominal Mass
		Ply Wood	Density
			Moisture Content
		Thermoplastic Pipes	Measurement of Dimensions Outside Diameter at any Point Wall Thickness Mean Outside Diameter
			Density
			Workability by Slump Test
		Concrete	Compressive Strength (Cube/Core)
			Compressive Strength
		Hallow & Solid Concrete Blocks	Block Density
			Water Absorption
			Compressive Strength
		Bituminous Mix	Bitumen Content
			Maximum Theoretical Specific Gravity ( $G_{mm}$ )
	Marshall Stability		
	Density		
		Tensile Strength Ration	

  
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S.No.	Proficiency Testing Scheme	Proficiency Testing Item	Analyte/ Parameter/ Test Method
	SIMULTANEOUS SCHEME	Cement	Compressive Strength
			Consistency
			Setting Time Initial & Final
			Density
			Fineness Test (Dry)
			Fineness (By Blain Air Permeability Method)
			Soundness (Autoclave)
			Soundness (Le-Chatelier Method)
		AAC Block	Compressive Strength
			Moisture Content
			Bulk Density
		Flyash	Soundness (Autoclave)
			Fineness (By Blain Air Permeability Method)
			Soundness (Le-Chatelier Method)
			Residue on 45 micron
		Soil & Rock Soil/ Bentonite	Grain Size Analysis
	(i) Dry Sieve Analysis		
	(ii) Wet Sieve Analysis		
	(iii) Hydrometer Analysis		
	Atterberg's Limit		
	(i) Liquid Limit		
	(ii) Plastic Limit		
	(iii) Shrinkage Limit		
	Specific Gravity		
	California Bearing Ratio (CBR)		

  
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S.No.	Proficiency Testing Scheme	Proficiency Testing Item	Analyte/ Parameter/ Test Method
	SIMULTANEOUS SCHEME	Natural Stone (Marble/ Granite/ Slate / Quartz)	Free Swell Index
			Light Compaction Test i. Moisture Content ii. Dry Density
	Heavy Compaction Test i. Moisture Content ii. Dry Density		
	Direct Shear Test Cohesion Intercept (C ) Angle of Shear Resistance (phi)		
	Sand Content		
	Swelling Power		
	Marsh Cone Viscosity		
	Tri-axial without pore water pressure Cohesion (C ) Angle of Shear Resistance (phi)		
	Unconfined Compressive Strength		
	Compressive Strength		
	True Specific Gravity		
	Apparent Specific Gravity		
	Apparent Porosity		
	Water Absorption		
	Scratch Hardness (Moh's Scale)		
	Natural Rock		Density
			Water Content
		Unconfined Compressive Strength	
		Point Load Strength Index	

  
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### NON-DESTRUCTIVE TESTING

1.	SEQUENTIAL SCHEME	Reinforced Concrete Structures	UPV
			Rebound Hammer
			Half Cell Potential

-X-X-X-X-X-X-X-X-

  
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