



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

PT Provider

Interlaboratory Services, National Council for Cement and Building Materials, 34, KM Stone, NH-2, Delhi-Mathura Road, Ballabgarh, Haryana

Accreditation Standard ISO/IEC 17043:2010

Certificate Number PC-1007 (in lieu of P-0001 & P-0002)

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Validity 10.05.2017 to 09.05.2019

Last Amended on --

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

I.	SIMULTANEOUS SCHEME	BUILDING MATERIAL	
		Limestone	Loss on ignition
			SiO ₂
			Fe ₂ O ₃
			Al ₂ O ₃
			CaO
			MgO
			Na ₂ O
			K ₂ O
			Free silica
		Clinker	Loss on ignition
			SiO ₂
			Fe ₂ O ₃
			Al ₂ O ₃
			CaO
			MgO
			SO ₃
			Insoluble residue
			Na ₂ O
			K ₂ O
			Chloride
		Cement	Loss on ignition
			SiO ₂
			Fe ₂ O ₃
			Al ₂ O ₃
			CaO
			MgO
			SO ₃

Anita Rani
Convenor

N. Venkateswaran
Program Director



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	SIMULTANEOUS SCHEME	BUILDING MATERIALS Cement	Insoluble residue
			Na ₂ O
			K ₂ O
		Chloride	
		Fly ash	Loss on ignition
			SiO ₂
			Fe ₂ O ₃
			Al ₂ O ₃
			CaO
			MgO
			SO ₃
			Na ₂ O
		K ₂ O	
		Concrete admixture	Dry material content
			Ash content
			pH
			Chloride ion content
		Water for concrete	Organic (volatile) filterable residue
			Inorganic (fixed) filterable residue
			Suspended (non-filterable) matter
			Sulphates (as SO ₃)
			Chlorides (as Cl)
			pH
			Acidity/Alkalinity

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S.No.	Proficiency Testing Scheme	Proficiency Testing Item	Analyte/ Parameter/ Test Method
	SIMULTANEOUS SCHEME	SOLID FUELS Coal/ Coke/ Pet coke	Moisture
			Ash
			Volatile Matter
			Sulphur
			Calorific Value

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MECHANICAL TESTING

I.	SIMULTANEOUS SCHEME	BUILDING MATERIAL	
		Cement	Specific surface (Blaine fineness)
			Normal Consistency
			Setting time
			Compressive strength
			Residue on 90 µm sieve
		Fly Ash	Retention on 45 µm sieve
			Blaine fineness
			Lime reactivity
			Compressive strength
		Aggregate	Sieve analysis
			Apparent specific gravity
			Water absorption
			Bulk density
			Crushing value
			10% Fines value
			Impact value
			Abrasion value
			Flakiness index
			Elongation index
		Mortar/concrete	Compressive strength
		Tile (ceramic)	Water absorption
		Burnt clay building brick	Water absorption
			Compressive strength

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S.No.	Proficiency Testing Scheme	Proficiency Testing Item	Analyte/ Parameter/ Test Method
		BUILDING MATERIAL	Nominal mass
		Steel bar	Yield stress
			Elongation
			Tensile strength


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