


CIDCO MATERIAL TESTING LABORATORY

LIST OF TEST FACILITY AVAILABLE

AAC Block	Bitumen	Bituminous Mixes*
<ul style="list-style-type: none"> • Moisture Content • Bulk Density • Compressive Strength 	<ul style="list-style-type: none"> • Penetration of Bitumen • Softening Point Test* • Elastic Recovery* • Flash & Fire Point Test* • Ductility Test* 	<ul style="list-style-type: none"> • Bitumen Extraction • Sieve Analysis / Gradation • Marshall Stability & Flow • Density of Bituminous Core
Brick	Cement & Flyash	Coarse Aggregate
<ul style="list-style-type: none"> • Water Absorption Test • Compressive Strength Test • Efflorescence Test* • Dimension Test* • Modulus of Rupture Test * 	<ul style="list-style-type: none"> • Standard Consistency • Initial Setting Time • Final Setting Time • Compressive Strength • Soundness Test • Fineness* • Specific Gravity* 	<ul style="list-style-type: none"> • Flakiness & Elongation Index • Sieve Analysis • Impact value • Water Absorption • Specific Gravity • Bulk Density • Crushing Value • Abrasion value*
Masonry Mortar		
<ul style="list-style-type: none"> • Compressive Strength of mortar cubes 		
Concrete	Concrete Block	Fine Aggregate / Sand
<ul style="list-style-type: none"> • Compressive Strength Test (Cube) • Compressive Strength Test (Core) • Non Destructive Test on Concrete (U.S.P.V. Method) * • Depth of water penetration under pressure Test* • Rapid Chloride Penetration Test* • Flexural Strength of beam* • Split Tensile Strength* • Compressive Strength Test by Accelerated curing (Cube)* • Modulus of Elasticity of Concrete* 	<ul style="list-style-type: none"> • Water Absorption Test • Block Density* • Compressive Strength • Dimension Test* 	<ul style="list-style-type: none"> • Sieve Analysis • Moisture content Test • Specific Gravity
	Rock / Rubble / Natural Stone	Paver Block
	<ul style="list-style-type: none"> • Water Absorption • Apparent Porosity • Apparent Specific Gravity 	<ul style="list-style-type: none"> • Water Absorption Test • Compressive Strength Test • Dimension Test*
	Water*	Bitumen Emulsion (Cationic)*
	<ul style="list-style-type: none"> • pH Value • Chloride Content • Sulphates Content 	<ul style="list-style-type: none"> • Residue by Sieving • Miscibility with water • Bitumen Content
Reinforcement Steel	Tiles*	Concrete Admixtures*
<ul style="list-style-type: none"> • Nominal Mass per metre • Ultimate Tensile Strength • Percentage Elongation • 0.2% Proof Stress (Yield Stress) • Bend – Rebind Test 	<ul style="list-style-type: none"> • Dimension Test • Bulk Density • Water Absorption Test • Modulus of Rupture Test • Breaking Strength Test 	<ul style="list-style-type: none"> • pH Value • Relative Density • Flow test • Dry Material Content • Ash content
Soil / Murum Test		Mix Design*
<ul style="list-style-type: none"> • Liquid Limit • Plastic Limit • Plasticity Index • Water content* • Grain Size Analysis (Upto 75 micron) • Free Swell Index 	<ul style="list-style-type: none"> • Specific Gravity* • Proctor Density Test – Light & Heavy • Lab CBR test* • Field Density Test – Sand replacement Method / Core Cutter Method* 	<ul style="list-style-type: none"> • Ordinary & High Strength Concrete • Self-Compacting Concrete • Concrete for Road works as per MoRTH • Dry Lean Concrete • Job Mix Design - GSB / WMM/ DBM / AC
<p>“**” indicates non accredited Test parameters*</p>		 CMTL PORTAL
<p>For more details, contact CIDCO Material Testing Laboratory, visit http://www.cidcoindia.com/CIDCOLAB/ or scan the QR Code</p>		