

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
1	Alpha Test House	M-577, Guru Harkrishan Nagar, Paschim Vihar, New Delhi-110087 +91 8826813853	TC-5508	Construction Water	Chemical		08.12.2016	07.12.2018
				Cement				
				Fly Ash				
				Gypsum & Its Products				
				Aggregates				
				Bitumen	Mechanical			
				Cement				
				Concrete				
				Fly Ash				
				Tiles				
Clays & Soils								
2	Ambile Testng and Research Labs	122, Himcity, Sitapur Road, Lucknow (UP) 9695228117, 8948232581		(Reinforcing Steel/ Structural Steel)	Mechanical Test	Ultimate Tensile stress		
						% Elongation		
						Yield Strength		
						Bend Test		
						Rebend Test		
						Mass / Meter		
						Consistency		
						Setting Time Initial		
						Setting Time Final		
						Soundness by Le-Chatelier method		
						Compressive Strength		
						Density		
						Fineness by blain air permeability		
						Sieve Analysis		
						Crushing Value		
						Impact Value		
						Abrasion Value		
						10% fine value		
						Bulk Density		
						Water Absorption		
						Elongation Index		
						Flakiness Index		
						Deleterious Material		
						a)clay lumps		
						b)Soft particle		
						Specific Gravity		
						Surface Moisture		
						Soundness		
						Stripping Value		
						Specific Gravity		
						Fineness Modulus		
						Water Absorption		
						Sieve Analysis		
						Bulk Density		
						Surface Moisture		
				Aggregate (Coarse)/ Ballast				
				Aggregate (Fine)				

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Bulking of Sand		
						Deleterious Material		
						a)clay lumps		
						b)Soft particle		
						Silt Content		
						Organic Impurities		
						Soundness		
				Stone		Specific Gravity		
						Moisture Content		
						Water Absorption		
				Burnt clay bricks/ Fly ash bricks		Compressive Strength		
						Water absorption		
						Efflorescence		
						Dimension		
				Bitumen		Softening Point		
						Fire & Flash Point		
						Specific Gravity		
						Penetration		
						Ductility		
				Bituminous Material		Marshall Stability		
						Marshall Flow		
						Bitumen Content		
						Density		
				Bentonite		Specific Gravity		
						Moisture Content		
						Sand Content		
						Gel Formation Index		
						Fineness		
						Liquid Limit		
						Free Swell Index		
				Flush Door shutter		Dimension(Thickness)		
						Glue Adhesion Test		
						Knife test		
						End Immersion Test		
				Ply wood		Density		
						Moisture Content		
				Board		Density		
						Moisture Content		
						Water Absorption		
						Linear expansion (Swelling in water )		
						absorption after 2 h Soaking		
						Thickness		
						Surface absorption (in Thickness) after 2 h Soaking		
				Admixture		Water Content	31.07.2017	30.07.2019
						Slump		
						Initial Setting Time		
						Final Setting Time		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Compressive Strength		
						Loss of Workability		
				Concrete		Slump		
						Compressive Strength		
				Ceramic Tiles		Flexural Strength		
						Dimension		
						Water Absorption		
						Modulus of rupture		
				Concrete		Breaking Strength		
				Tiles		Wet Transverse Strength		
				Soil and Rock (soil & Granular Material)		Water Absorption		
						Light Compaction		
						Heavy Compaction		
						Grain Size Analysis		
						Plastic limit		
						Liquid limit		
						C.B.R.		
						Specific Gravity		
				Paver Block		Moisture Content		
						Dimension(Thickness)		
						Compressive Strength		
						Water Absorption		
						Flexural Strength		
				AAC Block		Density in oven dry condition		
						Compressive Strength		
						Dimension		
				Cement (OPC/PPC)	Chemical Testing	Silica (SiO <sub>2</sub> )		
						Loss of Ignition		
						Insoluble residue		
						Total Sulphur (as SO <sub>3</sub> )		
						Calcium Oxide (as CaO)		
						Magnesia (as MgO)		
						Alumina (as Al <sub>2</sub> O <sub>3</sub> )		
						Iron Oxide(as Fe <sub>2</sub> O <sub>3</sub> )		
				Cement (PPC)		Loss of Ignition		
						Total Sulphur (as SO <sub>3</sub> )		
						Magnesia (as MgO)		
						Insoluble residue		
				Admixture		Dry Material Content		
						Ash Content		
						Relative Density		
						Chloride Content		
						pH Value		
				Concrete & Cement Mortar		Sulphate (as SO <sub>3</sub> )		
				Coarse Aggregate/Fine Aggregate/		Calcium Oxide (as CaO)		
				Ceramic Tiles		Organic Impurities		
						Resistance to staining		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Resistance to household chemicals		
						Resistance to acids and alkalis		
				Soil		pH Value		
				Benetonite		pH Value		
				Bitumen & Asphalts		Solubility in Trichoroethylene		
				TMT Steel		Carbon		
						Sulphur		
						Phosphorous		
						Manganese		
						Silicon		
				Stainless Steel		Carbon		
						Sulphur		
						Phosphorous		
						Nickel		
						Manganese		
						Silicon		
						Chromium		
				Construction Water		pH Value		
						Acidity, NaOH(0.02N)		
						Alkalinity, H <sub>2</sub> SO <sub>4</sub> (0.02N)		
						Chloride		
						Total Suspended Solids		
						Organic Solids		
						Inorganic Solids		
						Sulphate Acidity		
						Colour		
				Reinforced Concrete Structures	Non-Destructive Testing	Rebound Hammer Test		
						Ultrasonic Pulse velocity Test		
3	Bhumi Research Centre	21/1362, 'Bhumi House' Sagrampura, Ring Road, Surat Gujarat		Soil	Mechanical testing	Grain Size Analysis		
						Hydrometer Analysis		
						Liquid Limit		
						Plastic Limit		
						Plasticity Index		
						Free Swell Index		
						Specific Gravity		
						Shrinkage Limit		
						Light Compaction (MDD & OMC)		
						Heavy Compaction (MDD & OMC)		
						CBR		
						Direct Shear Test		
						Unconfined Compression (without pore pressure)		
						Triaxial Shear Test (Without Pore pressure)		
						Consolidation Test		
						Moisture Content		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
			T-5521	Bricks		Dimension	24.04.2017	23.04.2019
				Water Absorption				
				Compressive strength				
				Efflorescence				
				Sieve Analysis				
				Specific Gravity				
				Water Absorption				
				Bulk Density				
				Finer than 75 micron				
				Concrete core/Cubes		Compressive strength		
				Paver Block		Compressive strength		
						Water Absorption		
						Cross sectional area		
						Sieve Analysis		
						Specific Gravity		
						Water Absorption		
						Flakiness Index		
						Elongation Index		
						Impact Value		
						Crushing Value		
						Abrasion Value		
						Bulk Density (loose)		
						Consistency		
						Initial setting time		
				Final setting time				
				Fineness by Blaine air permeability				
				Soundness by le-chatelier				
				Compressive strength				
	Steel Reinforcement	Ultimate tensile strength						
		yield stress						
		Elongation						
		Bend test						
		Rebend test						
		Weight / meter						
		Field testing by core cutter						
		FDD by water replacement						
		FDD by sand replacement						
		T-3965	Reinforced Concrete	Non-Destructive test	Rebound hammer test	19.05.2016	18.05.2018	
					Ultrasonic Pulse velocity test			
4	CABSE	K.L. Campus, Navrangpura, Ahemdabad, Gujarat	T-3863	masonry materials, plaster and insulating material	Mechanical Testing	Water Absorption Coefficient	09.03.2016	08.03.2018
				Building Materials		Moisture retention Curve		
						Thermal Conductivity		
						Diffusivity		
						Specific Heat		
					Sorption Isotherm			

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
5	Chemical Analysis Lab	B-32, Shyam Park Extt. Sahibabad, Ghaziabad (U.P.) Mob:- 9911777525, 8800646952 Email: labchemi@yahoo.in	T-2995, T-2996	Cement	Chemical & Physical Tests	Compressive strength	20.10.2016	19.10.2018
			TOR Steel , Structural steel	Fineness				
			Aggregate (coarse /Fine)	Soundness				
				Setting time				
				Tensile Strength				
				Elongation				
				Proof Stress				
				Bend Test				
				Rebend test				
				Particle size distribution				
				Deleterious material				
				Specific Gravity				
			water absorption					
			crushing value					
			crushing strength					
			10 % fine value					
			impact value					
			abrasion value					
			Bricks / Bricks Tiles	Compressive strength				
				Water absorption				
			Glazed Tiles	Efflorescence				
				Water absorption				
			Soil	Crazing test				
				Impact Resistance				
				Chemical Resistance				
				C.B.R. Value				
				Proctor density				
				Particle size distribution				
				OMC				
				Plastic Index				
				Concrete Mix Design	Complete facilities available for design mix evaluation			
				Construction water	As per IS :456			
			Barbed Wire	Complete test for carbon, sulphur, phosphorous				
				Mass of zinc coating point wire				
				Tensile strength				
			MS Pipe and Galvanised Pipe	Breaking load weight				
				Complete test as per IS: 1161 & IS: 1239. for Carbon, Sulphur, Phosphorous				
				Outer diameter				
				Thickness				
				Weight				
				Tensile strength				
				Elongation				
			Zinc coating					

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Cubes		Compressive strength		
				Water Proofing compound		As per IS :2645		
				Ultrasonic pulse velocity, core cutting Rebound hammer test				
				Precast Concrete Pipes IS-458-				
				Flush door Shutter, Ply Wood, Particle Board, Glazed Tiles				
				Study of building Sturucture / Health analysis				
6	C & I Systems	H-13 (d), Electronic complex, road no. 1, I.P.I.A. , Kota , Rajasthhan		Concrete / Mortar Cubes Cement (OPC /PPC/Flyash)	Mechanical Testing	Compressive strength Consistency Initial setting time Final setting time Compressive strength Fineness by dry and Blaine air permeability Specific Gravity Soundness by autoclave & le-chatelier		
				Coarse Aggregate		Sieve Analysis Bulk density los angles abrasion value Impact Value Crushing Value Water Absorption Specific Gravity Flakiness Index Elongation Index 10% fine value Soundness with Na <sub>2</sub> SO <sub>4</sub> / Mg SO <sub>4</sub> Stripping value Sand equivalent value Deleterious materials		
				Fine Aggregate		Sieve Analysis Bulk density los angles abrasion value impact value Crushing Value Water Absorption specific gravity Flakiness Index Elongation Index 10% fine value Soundness with Na <sub>2</sub> SO <sub>4</sub> / Mg SO <sub>4</sub> Stripping value Sand equivalent value Deleterious materials		
				Mix Design		Mix design of cement concrete		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
			TC-5862			Slump test, mix design with accelerated curing	30.06.2017	29.06.2019
				Concrete core (solid & hollow)		Water Absorption, Block Density, Compressive strength		
				Bricks		Sampling at site		
					Testing compressive strength			
					density			
					water absorption			
				Paver block		Compressive strength		
					water absorption			
					Efflorescence			
					Dimension			
				Bitumen & bitumen emulsion		Bulk density		
					Compressive strength			
					water absorption			
					Flexural strength			
					Softening point			
					Flash point			
					Penetration test			
					Ductility test			
					Marshall stability			
					Solubility in trichloroethylene			
			loss on heating					
			elastic recovery at 15° C					
			Specific Gravity					
			Thin film oven test					
			Residue on 600 micron					
			Viscosity by saybolt furol viscometer at 25 & 50° C					
			Coagulation of Emulsion					
			Storage Stability					
			Coating ability					
			water resistance					
			Miscibility with water					
			stability with mixing with cement					
			tests on residue					
			Soil		Grain Size			
				L.L.				
				P.L.				
				Water content				
				Specific Gravity				
				Shrinkage Limit				
				Compaction test				
				FSI				
				Swelling Pressure				
				CBR				
			Direct Shear Test					



S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Soil at site		Consolidation Permeability CNS Mix Design Plate load test Cyclic plate load test Standard penetration test Field CBR test In situ density 1) Sand Replacement 2) Core cutter method		
				Soil	Chemical Testing	pH Value Water soluble sulphate Water soluble chloride Organic matter Soluble solids Calcium carbonate		
				Construction Purpose water		pH Value Suspended matter Chloride Sulphate Organic , iNorganic Acidity Alkanity		
7	EMM Tech Calibration	D-1/65, Sanjay Colony, NIMS Hospital Road, Sector-23, Faridabad, Haryana		Soil	Mechanical Testing	Density Moisture Content Specific Gravity Grain Size Analysis Sieve Hydrometer Atterberg Limit Liquid Limit Plastic Limit Shrinkage Limit Light Compaction Heavy Compaction California Bearing Ratio Unconfined Compression (UC) Consolidation Free swell index Swelling Pressure Permeability Direct Shear Triaxial Compression Unconsolidated Undrained (UU) Consolidated Undrained (CU) with pore pressure measurement		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
			TC-5493	Stone (granite, Kota, marble)		Consolidated Drained Apparent Specific Gravity water absorption Specific Gravity Moisture Content Dry Density	09.02.2017	08.02.2019
				Aggregate (Coarse)		Grain Size Analysis Flakiness Index Elongation Index Specific Gravity Water absorption Bulk Density Impact Value Aggregate Crushing Value Los Angeles Abrasion Test Soundness Test 10% Fineness Value Material finer than 75 microns I.S. Sieve		
				Aggregate (fine)		Sieve Analysis Specific Gravity Water Absorption Bulk Density Soundness Test		
				Cement		Fineness (Dry sieve method) Fineness (Blane air permeability) Soundness (Le-Chatelier method) Soundness (Auto clave method) Consistency Initial setting time Final setting time Compressive strength Density/Specific Gravity		
				Concrete		Compressive Strength Accelerated Compressive Strength		
				Brick (Burnt Clay)		Dimension (Length Width Thickness) Compressive strength Water Absorption Efflorescence		
				Brick (Fly ash lime & sewer)		Dimension (Length Width Thickness) Compressive strength Water Absorption Efflorescence		
				Concrete Block for paving (Paver Block)		Water Absorption Compressive strength		
				Bitumen		Flash Point Softening Point Penetration		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Ductility		
						Solubility in trichloroethylene		
						Loss on heating		
				Ceramic Tiles		Length		
						Width		
						Thickness		
						Straightness of side		
						Rectangularity		
						Surface flatness		
						Surface Quality		
						Physical properties		
						Water Absorption % by mass		
						Bulk Density		
						Scratch hardness of surface		
						Resistance to household		
						Resistance to acids		
						Chemical and swimming pool water cleaners except to cleaning agent, containing hydroflouric acid and its compound		
						Sulphuric acid, lactic acid , hydrochloric		
				Chequered Cement Concrete Tile		Dimension (Length Width Thickness)		
						Flatness of the tile surface		
						Perpendicularity		
						Straightness		
						Water Absorption %		
						Resistance to wear		
						Thickness of wearing layer		
						Flatness of the surface		
						Wet transverse strength		
						Dimensions		
						Mass/Meter		
				Uncoated stress relieved low relaxation seven plystand for		Mass (kg per meter)		
				High strength deformed steel, bars and wires for concrete reinforcement, structural steel, galvanised steel sheet, GI pipe, MS pipe, hollow steel section, stainless steel plates, sheets, strips, GI barbed wire, mild steel wire, mild steel &		yield stress 0.2 % proof stress		
				High strength deformed steel, bars & wires for concrete		T.S. / Y.S. ratio		
						Elongation %		
						Total elongation at maximum force		
						Tensile Strength		
						Dimension		
						Bend		
						Rebend		
				MS & GI pipe		Flattening		
				Timber / Wood		Moisture Content		
						Density		
						Dimesion		
				Plywood Products		Density		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Moisture Content		
						Edge straightness		
						Squareness		
						Defect		
8	Femo Labs Private Limited	Dr.V.Chandrasekaran, Manager(Labs), C-19, Industrial Estate, Mogappair West, Chennai - 600037. Ph:044 26250051 Fax:044 26258330 Mail ID: femolabs@gmail. com	T-3195	Water for construction purpose	Chemical Testing	pH Chloride, Suspended matter Sulphate Acidity Alkalinity organic Solids and Inorganic solids	14.11.2016	13.11.2018
9	Geo Engineering Services, Vadodara	Dr. Manish Sharma Plot No. 78 to 80 & 95 to 97, Amarnagar,Vadodara, Gujarat 9825244239	T-3782	Water (Construction Water, Domestic Water, Irrigation Water, Bore	Chemical Testing	pH@ 30°C Sulphate as (SOa) Chloride as (Cl) Electrical Conductivity (EC) @25°C		
				Hardened Concrete Concrete (Fresh Paver block Bitumen Tiles / Chequered Cement Concrete Tiles / Ceramic Tiles Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Coarse Aggregates	Mechanical Testing	Compressive Strength Slump Test Accelerated Testing of Concrete Compressive Strength Water Absorption Specific Gravity Penetration Test Softening Point Test Ductility Test Flash Point Marshall Stability Marshall Flow Value Viscosity Ratio On Residue From TFO Water Absorption Wet Transverse Strength Modulus Of Rupture Flatness Straightness Crazing Resistance Yield Strength Ultimate Strength Elongation Sectional Weight Bend Test Re Bend Test Size And Grading, Abrasion Value Impact Value Crushing Value		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
			T-2655			Specific Gravity	29.01.2016	28.01.2018
						Water Absorption		
						Flakiness Index		
						Elongation Index		
						10% Fine Value		
						Bulk Density		
						Soundness		
				Fine Aggregates		Size And Grading,%		
						Specific Gravity		
						Water Absorption		
						Bulk Density		
						Surface Moisture		
						Soundness		
				Brick		Compressive Strength		
						Water Absorption		
						Sizes And Shapes		
						Efflorescence		
				Cement OPC, PPC, PSC		Consistency		
						Initial Setting Time		
						Final Setting Time		
						Soundness (By Le Chatelier Method)		
						Compressive Strength		
						Fineness by Blain's Air Permeability		
						Density		
				Fly Ash		Particles Retained 45 Micron Sieve		
						Fineness by Blain's Air Permeability		
						Comparative Compressive Strength At 28 Days		
				Soil		Atterberg's Limit Liquid Limit		
						Plastic Limit		
						Standard Proctor Test Mdd Omc		
						Modified Proctor Test Mdd Omc		
						Specific Gravity		
						Free Swell Index		
						Grain Size Analysis		
						Moisture Content		
						Angle Of Internal Friction ((Q)		
						Unconfined Compressive Strength		
						Oedometer Consolidation Test		
						Coeffi cient Of Consolidation (cc)		
						Pre Consolidation Pressure (Pc)		
						Laboratory Permeability Test		
						Constant Head Method		
						Falling Head Method		
						Field Density Test Sand		
						Replacement Method		

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						Field Moisture Test Sand Replacement Method		
						Field Density Test Core Cutter Method		
						Direct Shear Test		
						Cohesion (Cc)		
						Field Moisture Test Core Cutter Method		
						Laboratory Cbr Test		
						Soaked		
						Unsoaked		
			T-3783	Non Destructive Testing for Reinforced Concrete	Non-Destructive Testing	Ultrasonic Pulse Velocity		
						Rebound Hammer Test		
10	Global Test House	A-11 Naresh Park, Extension Industrial area, Najafgarh road, Nangloi, New Delhi - 110041 Tel:- 011-65576700 Mail :- globaltesthouse@rediffmail.com	T-2591	TMT Steel	Chemical & Mechanical Testing	Tensile Strength		
				Structural steel		Elongation		
						Yield stress		
						Bend stress		
						Rebend stress		
				Aggregate / Sand		Tensile strength		
						Elongation		
						Yield stress		
						Bend stress		
						Impact Value		
						Specific gravity		
						Bulk Density		
						Moisture contents		
						Soundness		
						Sieve Analysis		
						Deleterious material		
						Crushing / abrasion value		
				Bricks/Tiles		Water absorption		
						Water absorption		
						Efflorescence		
						compressive strength		
				Ceramic tiles		Water absorption		
						Crazing test		
						Impact strength Test		
						Chemical resistance test		
						C.B.R. Value		
				soils		proctor density		
						sedimentation value		
						particle size determination		
						plastic limit		
						liquid limit		
						OMC plasticity index		
						relative density		
				Cube		compressive strength		
11	Hitech Concrete Solutions	N0. 64 , Galaxy Road,		Fine Aggregate	Mechanical Testing	Sieve Analysis		

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	Chennai Private Limited	Ponniyamman Nagar, Ayanambakkam, Chennai, Tamil Nadu 99404 55530	TC-5814			Specific Gravity Water absorption Bulk Density Materials finer than 75 µ IS sieve Bulking of fine aggregate Soundness by sodium sulphate	31.05.2017	30.05.2019
				Coarse Aggregate		Sieve Analysis Specific Gravity Water Absorption Bulk Density Flakiness Index Elongation Index Crushing Value Impact Value 10% fine Value Soundness by sodium sulphate		
				Cement OPC/PPC Slag		Normal Consistency Initial Setting Time Final Setting Time Fineness by Blain's air permeability Soundness by Lechattelier Method Compressive strength Specific Gravity		
				Fly Ash		Passing by 45 micron sieve Specific surface by blain's air permeability Soundness - By Le Chattelier Method Consistency Initial		
				Harden Concrete		Flexural Strength Rapid Chloride Ion penetration test Accelerated Compressive Strength Water Permeability test		
				Burnt clay bricks/ Flyash bricks / Flyash lime bricks		Compressive Strength Water absorption Efflorescence Dimension		
				Concrete Paving Blocks		Compressive strength Water Absorption Dimension		
				Hollow & Solid Concrete Blocks		Dimension Water absorption Compressive strength		
				Reinforcement / Structural Steel		Ultimate Tensile Strength 0.2% proof stress % of elongation Mass per meter Bend Test Re-bend test		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Reinforced Concrete / Reinforced concrete structural members	Non-Destructive Test	Rebound Hammer Test Ultrasonic Pulse Velocity Half-Cell potential test Thickness of cover concrete Carbonation depth		
12	Hitech Scientific Corporation	B-XI/43-44, Automobile Nagar, Delhi by pass road, Jaipur Rajasthan		Construction Water	Chemical Testing	Titration Test Organic matter content Inorganic matter content Sulphates content chloride content Total suspended matter pH		
				Cement , OPC, PPC		loss on ignition Silica Alumina iron oxide Calcium Oxide Magnesia Sulphuric Anhydride Insoluble Residue Sodium Oxide Potassium Oxide Chloride		
				Fly Ash		Free lime content loss on ignition Silica Alumina Ferric oxide Calcium Oxide Magnesia Sulphuric Anhydride Chloride		
				Admixture		Dry material content ash content relative density chloride pH value pH		
				Bentonite		Gel formation index		
				Coarse Aggregate		Acid soluble sulphate Water soluble sulphate Alkali Aggregate Reactivity (Determination of potential reactivity of aggregates) Reduction in alkalinity Dissolved Silica		



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				Fine Aggregate (Sand)		Alkali Aggregate Reactivity (Determination of potential reactivity of aggregates) Reduction in alkalinity Dissolved Silica		
				Lime		Insoluble residue dilute acid & alkali Loss in ignition Silicon dioxide Ferric & Alumina Oxide Calcium Oxide Magnesium Oxide		
				Bitumen & Allied Material		Flash Point (COC) Absolute Viscosity at 60 °C Kinematic Viscosity at 135 °C Solubility in Trichloroethylene		
				Bitumen Emulsion		Residue on 600 micron Viscosity by Saybolt furol viscometer -at 25 °C -at 50 °C Coagulation of emulsion Storage stability after 24 hrs. Coating ability and water resistance Miscibility with water Particle charge Stability to mixing with cement Tests on Residue -Residue by evaporation -Penetration at 25° C -Ductility at 27 °C -Solubility in trichloroethylene Distillation -At 190 °C -At 225 °C -At 260 °C		
				Polymer & Rubber Modified bitumen		Thin film oven test & test on residue loss in mass Increase in softening point Reduction in penetration of residue at 25°C Elastic recovery of half thread in ductilometer at 25°C Viscosity at 150° C (Absolute Viscosity)		
				Antistripping Agents		Specific Gravity 27° C Pour points Flash point (COC) Water content solubility in HSD Stripping Value		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
			TC-5540	Hardened Concrete		Acid soluble chloride	02.05.2017	01.05.2019
				Micro Silica		Water soluble sulphate as SO <sub>3</sub>		
						Silica Content		
						Moisture Content		
						Loss on ignition		
						Sodium Oxide		
						Potassium Oxide		
						sulphur trioxide		
						chloride content		
						insoluble residue		
				thermoplastic traffic line material	glass beads content			
				Soil	pH			
					Total soluble sulphate			
					total soluble solids			
					Nitrogen			
					Calcium carbonate			
					chloride			
			nitrate content					
			organic matter					
			Soil	binder content				
				softening point				
				Mechanical Test	Specific Gravity by pycnometer method			
					dry sieve analysis			
					wet sieve analysis			
					liquid limit			
					plastic limit			
					compaction factor (Protactor test) for heavy compaction			
					Direct shear test (undrained)			
					tri-axial compression test without pore pressure			
					California bearing ratio			
					free swell index			
					shrinkage limit			
			permeability test by laboratory permeability meter					
			swelling pressure					
			water content					
			Unconfined compression test					
			grain size analysis (Hydrometer method)					
			Coarse Aggregate	Sieve Analysis				
				Flakiness index				
				elongation index				
				bulk density				
				specific gravity				
				water absorption				
				Impact Value				

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						10% fine value Crushing Value		
						Los Angles Abrasion value		
						Soundness		
						Stripping Value		
				Fine Aggregate		Sieve Analysis (Fine)		
						Bulk Density		
						Specific gravity		
						water absorption		
						Silt content by volumetric method		
						bulking of sand		
				Aggregate (Coarse / Fine)		materials finer than 75 µ		
						Clay lumps		
						clay, fine silt & fine dust		
						soft particles		
						petrographic examination		
						stone polishing value		
				Bentonite		Sand Content		
						swelling power		
						moisture 5 by mass		
						fineness wet		
						fineness dry		
						marsh cone viscosity		
				Brick		water absorption		
						compressive strength		
						dimension & tolerances		
						Efflorescence		
						bulk density		
				Cement		Specific gravity (Density)		
						Fineness test (dry sieving)		
						Soundness (le-chatelier method)		
						standard consistency		
						setting time		
						compressive strength		
						soundness by autoclave		
						fineness (by blaine air)		
						drying shrinkage		
				Cement concrete tiles, terrazo, marble , glazed		wet transverse strength		
						water absorption		
						dimension		
						flatness of surface		
						straightness		
						perpendicularity		
						thickness of wearing surface		
				Concrete		Workability by slump test		
						compressive strength of cubes		
						accelerated curing of concrete for compressive strength		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Flexural strength		
						water permeability		
						split tensile strength		
						moisture movement		
						drying shrinkage		
				Solid & Hollow Blocks		Dimension		
						Block density		
						compressive strength		
						water absorption		
				Fly Ash		Fineness (by blain Air)		
						Soundness (Le-Chateleir Method)		
						Soundness by Autoclave		
						compressive strength		
						lime reactivity		
						moisture content		
						drying shrinkage		
				Lime		Fineness (By Blain Air)		
						Soundness		
						Compressive Strength		
						Sp. Gravity (Density)		
						Setting time & consistency		
				Bitumen		Softening Point		
						Penetration Test		
						Ductility Test at 25 °C		
						Specific Gravity		
				Bitumen Mix		Marshall Stability & flow		
						Bitumen Content		
				Antistripping Agents		Under water coating test with 1 % anti-stripping agents for sprayed work		
				Sealing Compound		Pour Point		
						Penetration		
				Micro Silica		Particle retained on 45 micron sieve (%)		
						Compressive strength ratio of microsilica (%)		
				Building stone		Strength properties (72 hrs.) soaked, 24 hrs. oven dry		
						True specific gravity		
						water absorption		
				Seven ply stand for prestressed concrete		Breaking load		
						Nominal mass of strand		
						% Elongation		
						Yield load		
				Rebar coupler assembly		Tensile strength		
				3 ply strand for pre-stressed concrete		Breaking load		
						Nominal Mass		
						Area of strand		
						Yield load		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Reinforcement Steel Bar		% Elongation Yield stress Tensile strength % Elongation Bend Re-Bend Nominal Mass Total Elongation at maximum force		
13	Italab ( Goa) Pvt. Ltd. Italab House ,P.O.Box 103,	Italab House ,P.O.Box 103, Opp Carmelite Monaster , Malbhat Margao- Goa , 403601 Email Id : Italab.goa@rediffmail.com Italabgoa@rediffmail.com 0832 2703836 , 0832 2704883	T -1851	Cement  Hydrated Lime  Gypsum  Soil  Construction water	Chemical Testing	Loss on Ignition Silica Alumina Iron Calcium Oxide Magnesium Oxide Sulphuric Anhydride Insoluble Residue Available Lime Calcium Hydroxide Calcium Oxide Sulphur Anhydride Purity By calculation as SO <sub>3</sub> Basis Insoluble Residue pH Chlorides as Cl Sulphates as SO <sub>3</sub> Sulphates Total residue Filterable residue Chloride pH value Non-filterable residue Volatile and fixed residue Total Alkalinity Acidity	26.11.2016	25.11.2018
14	K C India Test Laboratories LLP	12/54, Site IV, Sahibabad, Ind. Area, Ghaziabad, (UP). kcitestlab@gmail.com 9599880268, 9599880265,	T-5844	Cement, Brick, Tiles, Aggregate, Soil, Hose Pipe etc.	Mechanical Testing		06.12.2017	15.11.2018
15	National testing lab	Plot No. 83/14, street no.1 , Udyog nagar, Mundka industrial area, Delhi		Cement (OPC, PSC & PPC)		Setting time Initial Final Soundness Lechatlier Autoclave		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Compressive Strength		
						Fineness Blain's method		
						Consistency		
						Drying shrinkage (for PPC)		
						Density		
				Fly Ash		Fineness Blain's method		
				Fly Ash		Residue 45 micron		
				Fly Ash		lime reactivity		
				Fly Ash		Compressive strength		
				Fly Ash		Soundness		
				Fly Ash		Autoclave Expansion		
				Fly Ash		Specific gravity		
				Brick		Dimension		
				Brick		Length		
				Brick		Width		
				Brick		Height		
				Brick		Water Absorption		
				Brick		Efflorescence		
				Coarse Aggregate		Compressive Strength		
				Coarse Aggregate		Flakiness Index		
				Coarse Aggregate		Deleterious materials		
				Coarse Aggregate		Bulk density		
				Coarse Aggregate		Specific gravity		
				Coarse Aggregate		Alkali aggregate reactivity		
				Coarse Aggregate		-Reduction in alkanity		
				Coarse Aggregate		Total dissolved silica		
				Coarse Aggregate		Water Absorption		
				Coarse Aggregate		Crushing Value		
				Coarse Aggregate		Impact Value		
				Coarse Aggregate		Abrasion Value		
				Coarse Aggregate		10% fine value		
				Coarse Aggregate		Sieve Analysis		
				Coarse Aggregate		Elongation Index		
				Fine Aggregate		Organic Impurities test		
				Fine Aggregate		Water absorption		
				Fine Aggregate		Deleterious materials		
				Fine Aggregate		bulk density		
				Fine Aggregate		Alkali aggregate reactivity		
				Fine Aggregate		-Reduction in alkanity		
				Fine Aggregate		Total dissolved silica		
				Fine Aggregate		Soundness		
				Fine Aggregate		Sieve analysis		
				Fine Aggregate		Specific gravity		
				Bentolite		Free swell index		
				Bentolite		Liquid limit		
				Bentolite		Density		
				Bentolite		Sand content		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Marsh cone viscosity		
						Gel formation index		
				concrete (Cube, Core & Beam)		Compressive Strength		
						Drying shrinkage		
						Moisture movement		
						Water Permeability test		
						Rapid Chloride ion permeability test		
						water absorption		
						Flexural strength		
						Split tensile strength		
				Concrete Admixture		Air content		
						Water content		
						Bleeding test		
						Compressive Strength		
						Flexural strength		
						Setting time		
						Initial		
						Final		
				Blocks (Hollow & Solid)		Block density		
						Compressive Strength		
						Water Absorption		
						Dimension		
						Drying Shrinkage		
				Pre cast concrete paver blocks		Compressive Strength		
						Water Absorption		
						Dimension		
						Abrasion Resistance		
						Thickness of Wearing layer		
						Wet transverse strength		
						Water Absorption		
						Dimension		
						Abrasion Resistance		
						Specific gravity		
						Compressive Strength		
						Scratch Hardness		
						Transverse Strength		
						Durability		
						Dry density		
						Moisture Content		
						Porosity (True & Apparent)		
						Tensile strength		
						Resistance to wear		
				Gypsum building plaster		Setting time		
						Plaster Sand Mixture		
						Neat Plaster		
						Soundness		
						Transverse Strength		
						Mechanical Resistance of Set Neat Plaster		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
			T-1545			Residue on 90 Micron	25.10.2016	20.05.2018
						Expansion on setting		
				Micro Silica		Normal consistency		
						Sieve Analysis at 45 Micron		
						Compressive Strength		
				Ceramic Products		Dimension & Surface quality		
						Thermal shock		
						Planeness / Straightness		
						Squareness		
						Crazing Resistance		
						Water Absorption		
						Modulus of Rupture		
						Breaking Strength		
						Scratch Hardness		
						Resistance to staining		
						Resistance to household chemical		
						Resistance to Acid/Alkali		
				Bitumen		Penetration		
						Softening point		
						ductility		
					specific gravity			
					solubility in trichloroethylene			
					flash point (Open Cup)			
			rubber Modified Bitumen		Penetration			
					Softening Point			
					Elastic recovery of half thread in ductilometer			
					Elastic recovery of half thread in ductilometer after thin film Oven			
					Specific gravity			
					solubility in trichloroethylene			
					flash point (Open Cup)			
			Water Proofing Membrane		Tensile strength			
					L/T Direction			
					Elongation			
					L/T Direction			
					Tear strength			
					L/T Direction			
					Low Temp. Flexibility			
					Water Absorption			
					Glue Adhesion test			
					End Immersion test			
					Knife test			
					Dimensions			
					Straightness			
					Squareness			
					local planeness			



S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Impact Indentation test		
						Flexure test		
						Edge loading test		
						Shock resistance test		
						Buckling test		
						Slamming test		
						Misuse test		
						varying humidity test		
						Screw withdrawl test		
						Dimensions		
				Plywood/Shuttering/Fire retardant / Marine plywood / Wood/ Timber		Glue Adhesion test		
						Modulus of Rupture		
						Water Resistance test		
						Mycological test		
						Glue shear test		
						Tensile strength parallel to grain		
						Tensile strength perpendicular to grain		
						Moisture content		
						density		
						Glue shear test		
						Fire resistane test		
						-flammability test		
						- Rate of burning		
						- Flame penetration		
				Soil		Proctor test		
						Liquid limit		
						Plastic limit		
						CBR Value		
						Direct shear test		
						Cohesion Intercept C Value		
						Internal friction Value		
						Moisture content		
				TMT (Reinforcement steel)		Elongation		
						Tensile strength		
						Yield stress / 0.2 % proof		
						Bend		
						Re bend		
						Mass		
						Bond requiremnet (N/mm <sup>2</sup> /mm)		
						- Rib area by dimension		
						Measurement		
						Pull out test		
						Total elongation at max force		
				Structural steel/Pipes & steel tubes/		Elongation		
				wire/Fastners/Bolts/Screws &		Tensile Strength N/mm2		
				studs & Ferrous / Non ferrous		Yield stress / 0.2 % proof , N/mm2		
						Hardness tesst		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Impact tets		
						Nbend		
						Dimension test		
						Mass. Kg		
						Brinell hardness (for ferrous & non ferrous)		
				Cement (OPC, PSC & PPC)	Chemical Testing	SiO <sub>2</sub>		
						Loss on ignition		
						Al <sub>2</sub> O <sub>3</sub>		
						Fe <sub>2</sub> O <sub>3</sub>		
						CaO		
						MgO		
						SO <sub>3</sub>		
						Insoluble Residue		
						Total chloride		
						Sodium oxide (Na <sub>2</sub> O)		
						Potassium oxide (K <sub>2</sub> O)		
				Pozollana Material (Fly ash)		SiO <sub>2</sub>		
						Loss on ignition		
						Moisture		
						Al <sub>2</sub> O <sub>3</sub>		
						Fe <sub>2</sub> O <sub>3</sub>		
						CaO		
						MgO		
						SO <sub>3</sub>		
						SO <sub>3</sub>		
						Total Chloride		
						Sodium oxide (Na <sub>2</sub> O)		
						Potassium Oxide (K <sub>2</sub> O)		
				Concrete and mixture		pH		
						Dry Material Content		
						Ash Content		
						Relative density		
						Chloride ion content		
				ardened Concrete and aggregat		Chloride		
						Sulphate		
						Sodium oxide		
						Potassium Oxide		
				Micro Silica		Moisture		
						Loss on ignition		
						SiO <sub>2</sub>		
						Total Alkalis		
				Bentonite		pH		
				Construction water		Total dissolved solid		
						Organic Matter		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Inorganic matter		
						Alkalinity		
						Acidity		
						Total suspended solid		
						pH		
						Chloride		
						Sulphate		
16	Orbital Infrastructure Consultancy and Research Private Limited	Plot No. 1134, Mahanadi Vihar, Post-Naya Bazaar, Cuttack, Odhisha 0671-2443408/ 2443588 mobile +91-9937250239, +91-9776153401	T-2774	Concrete (Admixture)	Chemical Testing	pH Value		
						Chloride content		
						Ash Content		
						Dry Material Content		
						Relative density		
						Alkali Reactivity		
						Reduction Alkalinity		
						Soluble silica		
						Organic Matter		
						Coal & Ignite		
						Lime (Calcium Oxide)		
						Iron Oxide Content		
						Alumina Oxide		
						Silica		
						Loss on Ignition		
						Insoluble Residue		
						Sulphuric Anhydride		
						Magnesium Oxide		
						Lime (Calcium Oxide)		
						Iron Oxide Content		
						Alumina Oxide		
						Silica		
						Loss on Ignition		
						Insoluble Residue		
						Sulphuric Anhydride		
						Magnesium Oxide		
						Lime (Calcium Oxide)		
						Iron Oxide Content		
						Alumina Oxide		
						Silica		
						Loss on Ignition		
						Insoluble Residue		
						Sulphuric Anhydride		
						Magnesium Oxide		
						Mineral Matter (Ash Content)		
						Solubility in carbon trichloroethylene		
						pH Value		
						Total soluble sulphate		
						Organic Matter		
				Aggregate (Coarse & Fine)				
				Cement (OPC, SRPC & HAC)				
				Portland Slag Cement				
				Portland Pozzolana Cement				
				Bitumen				
				Soil				

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Reinforcement steel bar		Calcium Carbonate Carbon Sulphur Phosphorous		
				Steel (Reinforcement Steel)	Mechanical Testing	Tensile strength Yield stress Elongation test Bend test Re Bend test Unit Weight		
				Cement (OPC / PSC / PPC / SRPC / HAC)		Fineness by dry sieving by 90 micron Fineness by Blains air permeability method Consistency Setting time Soundness (Le-chatelier test) Compressive strength Density		
				Pozzolana		Density Fineness by dry sieving 45 micron Fineness by Blains air permeability method Lime reactivity Soundness by autoclave Compared compressive strength		
				Coarse aggregates		Grading Soundness Flakiness Index Elongation index Angularity number Deleterious Material Clay lumps Finer than 75 micron Clay, fine silt & fine dust Bulk density Specific gravity & water absorption Surface moisture Crushing value 10% fines value Impact value Los angeles abrasion value Stripping value		
				Fine aggregate		Grading Soundness Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron	11.01.2016	10.01.2018

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry	
			T-2775			Clay, silt & fine dust			
							Surface moisture		
							Silt content		
							Bulking		
					Bricks		Compressive strength		
							water absorption		
							Efflorescence		
							Bulk density		
							Dimension		
					Building lime		fineness by dry sieving		
							Compressive strength		
							Soundness		
							Setting time		
					Admixture		Consistency / Workability		
							Relative density		
							Water content		
							Compressive strength		
							Flexural strength		
							Workability		
					concrete		bleeding		
							Slump test		
							Compacting factor test		
							Flow test		
							Compressive strength		
							Flexural strength		
							Permeability of concrete		
					Timber		Moisture content		
							Specific gravity		
				Bitumen		Softening point			
						Penetration test			
						Ductility test			
						Marshall stability test			
						Hardness			
						Specific gravity			
						Absolute viscosity			
						Kinematic viscosity			
						Flash point by open cup			
						Flash point by close cup			
				Bitumen emulsion		Residue by sieving on 600 micron			
						Sayboltfural viscosity			
						coagulation of emulsion			
						Miscibility with water			
						Coating ability			
						Storage stability			
				Paver block		Water absorption			
						Compressive strength			
				Concrete Block		Water Absorption			

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Tile		Block density		
				Paving Mixture		Compressive strength		
				Soil		Dimension		
						Water Absorption		
						Binder content		
						Specific gravity		
						Grainsize analysis		
						Sieve Analysis		
						Sedimentaion Analysis		
						Atterbergs limit		
						Liquid limit		
						Plastic limit		
						Moisture content		
						Direct shear test		
						Unconfined compression test		
						Triaxial compression test		
						Odeometer consolidation test		
						Permeability test by falling head method		
						Linear shrinkage method		
						Light compaction test		
						Heavy compaction test		
						Free swell index (DFS)		
						California bearing ratio test		
						Relative density test		
						Shrinkage limit		
						Bulk density		
				Natural building stone		water absorption		
						Compressive strength		
						Specific gravity		
			T-3784	Reinforced Concrete solutions	Non - Destructive testing	Rebound Hammer	29.01.2016	10.01.2018
						Ultra sonic pulse velocity		
17	Pibco Ltd R & D Centre	2, Kalkaji Industrial Area, New Delhi-110019 Tel. 011-26215735 , 8800465678 pibcornd@gmail.com , info@pibcornd.com	TC-5219	Testing of insulation Material	Mechanical	Dimension		
						Determination of resistance to compression		
						Determination of bulk density		
						Determination of bulk density under specified load		
						Determination of moisture absorption		
						Determination of setting due to vibration and jolting		
						Determination of water vapour permenance		
						Determination of fiber diameter	14.10.2015	13.10.2017
						Determination of shot content		
						Determination of recovery after compression		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Thermal Insulation material		Test for thermal conductivity Incombustibility test Test for maximum recommended temperature Compressive properties Hot surface performance linear shrinkage Maximum Service temperature Heat stability		
18	Pollucon Laboratories Pvt. Ltd.	Mr. Devang Gandhi Plot No. 5/6, Shantinath Silk Mills lane, Near Navjivan Circle Opp. Balaji Industrial Society UM Road Surat -395007 Cell No.: +91 9328967090 Email :- pollucon@gmail.com	TC-5945	Cement  Fly ash  Concrete  Aggregate  Admixture	Chemical Testing	LOI Al <sub>2</sub> O <sub>3</sub> CaO Cl Fe <sub>2</sub> O <sub>3</sub> IR MgO SiO <sub>2</sub> SO <sub>3</sub> Total Alkalies as Na <sub>2</sub> O LOI Al <sub>2</sub> O <sub>3</sub> Available Alkalies as Na <sub>2</sub> O CaO Cl Fe <sub>2</sub> O <sub>3</sub> MgO SiO <sub>2</sub> SO <sub>3</sub> Chlorides Sulphates Alkali Aggregate Reactivity Chlorides Organic Impurities Sulphates Ash Content Chlorides Dry Material Content pH Relative Density	28.05.2017	27.05.2019
19	SGS India Private Limited	Anand VS-Customer Co-Ordinator (080 65627818) Sajulal G-Lab Manager (+91 9986712301)		Coarse Aggregate	Mechanical Testing	Sieve Analysis Specific Gravity Water Absorption Aggregate Impact Value		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
		Narayanan K- Quality Manager (080 65627818)	T - 2899	Fine Aggregate		Aggregate Crushing Value	05.05.2016	04.05.2018
				Concrete cubes		Sieve Analysis		
				Cement		Specific Gravity		
						Particle finer than 75 micron		
						Compressive Strength		
						Consistency		
					Initial Setting Time			
					Final Setting Time			
					Fineness (Blaine's Method)			
					Compressive Strength			
					Soundness (Le-Chatelier Method)			
					Water Absorption			
					Compressive Strength			
					Block Density			
					Weight / Meter			
					Yield Stress			
					Ultimate Stress			
					Elongation			
					Bend Test			
					Re-bend test			
20	Shyam Steel Industries Limited Q.C laboratory	Mr. Surajit Dasgupta Mob - 9903944053	T - 2747	Hot rolled steel Bars & HSDS bars	Mechanical testing	Tensile test, % Elongation, Bend Test , Rebend Test & mass/meter	29.02.2016	28.02.2018
21	Snow Fountain Group	Office:5/259 (HIG) Vikas Nagar Lucknow. Phone: 0522-4047624 (O); 09415001208(M), 9005444786		Soil	Mechanical testing	Tri Axial		
						Wet Sieve Analysis		
						Specific Gravity		
						Liquid limit		
						Plastic limit		
						Differential free swell		
						Consolidation Properties		
						Shear Parameter by Direct Shear Test		
						Moisture Content		
						Particle size Analysis by Hydrometer Method		
						Water content – dry density relation using Light Compaction		
						Water content – dry density relation using heavy Compaction		
						Laboratory determination of CBR		
						Total Soluble solids		
						Organic Matter		
						Calcium Carbonate		
						pH value		
						Standard penetration test		
						Dry density of soil, In place by sand replacement method		



S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
			T-3781	Bricks		dry density of soils in place by sand replacement method dry density of soils in place by core -cutter method Dimensions and tolerances of burnt clay building bricks Compressive strength of burnt clay building bricks Efflorescence of burnt clay building bricks	29.01.2016	28.01.2019
				Aggregate		Particle size distribution of fine, coarse and all-in-aggregate by sieving or screening Material finer than 75 micron Flakiness Index Elongation Index Specific Gravity Water Absorption Bulk density Aggregate crushing value of coarse aggregate Impact Value Abrasion Value		
				Cement		Fineness by dry sieving of hydraulic cement Soundness by Le-Chatlier Consistency of Standard cement paste for Hydraulic cement Initial Setting Time for Hydraulic cement Final Setting Time for Hydraulic cement Compressive Strength for Hydraulic cement other than masonry cement Strength of Concrete		
22	Spectro Analytical Labs Limited	E-41, Okhla Industrial Area Phase-II, New Delhi-110020 Ph: 011-40522000 Email: qa@spectrogroup.com umesh@spectro.in		Cement (OPC, PPC & PSC, Clinker)	Chemical Testing	LOI SiO <sub>2</sub> Al <sub>2</sub> O <sub>3</sub> Fe <sub>2</sub> O <sub>3</sub> SO <sub>3</sub> Na <sub>2</sub> O K <sub>2</sub> O Cl CaO MgO Mn <sub>2</sub> O <sub>3</sub> P <sub>2</sub> O <sub>5</sub>		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						TiO <sub>2</sub>		
						IR		
				Chinaclay		Sulphide Sulphur		
						SiO <sub>2</sub>		
						Al <sub>2</sub> O <sub>3</sub>		
						Fe <sub>2</sub> O <sub>3</sub>		
						TiO <sub>2</sub>		
				Pozzolanic Materials (Fly ash ,Micro silica)		LOI		
						SiO <sub>2</sub>		
						Al <sub>2</sub> O <sub>3</sub>		
						Fe <sub>2</sub> O <sub>3</sub>		
						CaO		
						MgO		
						SO <sub>3</sub>		
						Available Na <sub>2</sub> O		
						Available K <sub>2</sub> O		
						Cl		
				Fire bricks		SiO <sub>2</sub>		
						Al <sub>2</sub> O <sub>3</sub>		
						Fe <sub>2</sub> O <sub>3</sub>		
						TiO <sub>2</sub>		
						CaO		
						MgO		
						Na <sub>2</sub> O		
						K <sub>2</sub> O		
				Concrete		Chlorides		
						Sulphates		
				Aggregates		Chlorides		
						Sulphates		
				Admixture		Alkali Aggregate Reactivity		
						Dry Material Content		
						Chlorides		
						Ash Content		
						pH		
						Relative Density		
				Soil		pH		
						Conductivity		
						Water Content		
						Organic Matter		
						Cation Exchange Capacity		
						Total Kjeldahl Nitrogen		
						Phosphorus as P		
						Water soluble Sulphate		
						Water soluble Chloride		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Cold-Rolled Steel Panels for Testing Paint, Varnish, Conversion Coatings, and Related Coating Products, Corrosion products from anodic coatings, Corrosion products from cathodic coatings, Ferrous Pannel/Component/Product		Calcium Carbonate Salt Spray Tests (NSS)/CASS/ASS		
					Metals (Ferrous & Non Ferrous)	Mechanical Testing	Tensile Test Ultimate Tensile Strength Yield stress / 0.2% proof stress Elongation Young's Modulus Hot Tensile Fracture Test Shear Strength Abrasion Test Impact, Charpy (V) (Ambient to -196°C) Rockwell Hardness (B Scale) Rockwell Hardness (C Scale) Bend test Hardness (HBW) (10/3000, 5/750, 5/250, 2.5/187.5) Vickers Hardness (HV5, HV10 & HV30) Micro Hardness (HV 0.2, HV 0.3, HV 0.5, HV 1) Micro Hardness (HV 0.025, HV 0.05, HV0.1) Dimension Mass Flattening test Flaring test (Drift expending test) Wrapping Test Torsion Test Cupping test Rebend test Mass per Meter Deformation & Surface Charecteristics Mean Projected Rib Area Mean Projected area of Transverse Ribs Surface Roughness Intergranular Corrosion Pitting Corrosion Test Nick Break Test Sulphide stress Cracking resistance	

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
			TC-5492			Hydrogen Induce Cracking	02.03.2017	02.02.2019
				Reinforcement Couplers		Coating Thickness		
						Static Tensile Test		
						Tensile Strength		
						Elongation		
						Slip Test		
				Seven Ply Strand for pre-pressed concrete (H.T.S. Wire)		Breaking Load		
						0.2% Proof Load		
						Area of Strand		
						Mass of Strand		
						Nominal Dia of Strand		
						Lay Length		
						Elongation		
						Modulus of Elasticity		
						Relaxation Test		
						Consistency		
						Initial Setting Time		
						Final Setting Time		
						Compressive Strength		
						Fineness Blaine		
						Soundness (Le-chatelier)		
						Soundness (Autoclave)		
						Drying Shrinkage		
						Density		
						Fineness by dry sieving		
						Fineness (Specific Surface) Blaine's		
						Particle retained on 45 micron		
						Density		
					Soundness by (Autoclave Expansion)			
					Lime reactivity			
					Compressive Strength at 28 days			
					Sieve Analysis			
					Crushing Value			
					Impact Value			
					Flakiness Index			
					Elongation Index			
					Soundness			
					10% Fine Value			
					Water Absorption			
					Specific Gravity			
					Bulk Density			
					Silt & Clay (Fine Dust)			
					Deleterious Material			
					Clay Lumps			
					Coal & lignite			
					Material Finer Than 75µ IS Sieve			

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Abrasion Value (Los Angeles Method)		
				Bricks (Burnt Clay Bricks, Pulverized Fuel,Ash Lime Bricks)		Organic Impurities Compressive Strength Water Absorption Efflorescence Dimension		
				Stone (Marble/Granite)		Moisture Content Specific Gravity Hardness Mohs Scale App. Porosity Compressive Strength Modulus of Rupture Water absorption		
				Concrete		Water Permeability Rapid Chloride Permeability Test Compressive Strength Flextural Strength Drying Shrinkage		
				Bentonite		Liquid Limit Sand Content Free Swelling pH Value Density		
				Tiles (Cement Concrete Flooring Tiles)		Wet Transverse Test Water absorption Resistance to wear Dimensions Thickness of Wearing - Layer Flatness Perpendicularity Straightness		
				Tiles (Chequered Cement Concrete Tiles)		Wet Transverse Test Water absorption Resistance to wear Dimensions Thickness of Wearing - Layer Flatness Perpendicularity Straightness		
				Tiles (Ceramic Tiles)		Crazing Chemical Resistance Scratch Hardness Penetration Flash Point Specific Gravity Softening Point		
				Bitumen				

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Viscosity		
						Ductility Test		
				Wood (Timber)		Moisture Content		
				Ply Wood		Specific Gravity		
						Density		
				Paver Block		Moisture		
						Compressive Strength		
						Dimensions		
				Autoclaved Celluler (Aereated) Concrete Blocks		Water Absorption		
						Abrasion Resistance		
						Dimension		
						Block Density		
						Compressive Strength		
						Drying Shrinkage		
						Moisture Content		
						Thermal Conductivity		
				Hollow & Solid Concrete Blocks		Dimension		
						Block Density		
						Compressive Strength		
						Water Absorption		
						Drying Shrinkage		
						Moisture Movement		
				Admixture		Water Content		
						Slump		
						Time of Setting, Allowable variation from control sample		
						Initial		
						Final		
						Compressive strength		
						Flextural strength		
						Length change		
						Bleeding		
						Air content (By Density Method)		
				Soil		Light Compaction		
						Heavy Compaction		
						Liquid Limit		
						Plastic Limit		
						CBR Test		
						Dry Seiving		
						Wet Seiving		
						Shrinkage limit		
						Free swelling Index		
				Concrete Pile		Pile Integrity Test		
				Concrete	NDT Testing	Ultrasonic Pulse Velocity		
						Cover Meter		
						Crack depth measurement		
						Rebound Hammer		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
			T-0832	Non Conductive Protective Coating on Conductive		Half Cell Potentiometer Carbonation Test Capo Test Holiday Testing	29.04.2016	28.04.2018
23	Spectro Analytical Labs Limited	S-1, GNEPIP, Surajpur Industrial Area Phase-V, Kasna, Greater Noida Ph: 011-40522000 Email: qa@spectrogroup.com umesh@spectro.in	T-3984	Cement  Aggregates  Autoclaved Celluler Concrete Blocks, Autoclaved Aerated Concrete Blocks  Soil	Mechanical Testing	Consistency Initial Setting Time Final Setting Time Compressive Strength Fineness Blaine Soundness (Le-chatelier) Soundness (Autoclave) Density Fineness by dry sieving Coarse Aggregate Sieve Analysis (% Passing) Crushing Value Impact Value Flakiness Index Elongation Index 10% Fine Value Water Absorption Specific Gravity Soundness Bulk Density Material Finer than 75 Micron Abrasion Value (Los Angeles) Sieve Analysis (% Passing) Water Absorption Specific Gravity Soundness Bulk Density Material Finer than 75 Micron Dimension Block Density Compressive Strength Moisture Content Drying Shrinkage Fire Test (up to 1200°C) (3 Mtr X 3 Mtr X 1.2 Mtr) Light Compaction (MDD/OMC) Heavy Compaction (MDD/OMC) Liquid Limit Plastic Limit	16.06.2016	06.04.2018

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Concrete Building Bricks		CBR Test Grain Size Analysis-Wet Seiving Free Swelling Index Compressive Strength Compressive Strength Water Absorption Dimension		
			T-3983	Cement (OPC, PPC, PSC)  Concrete Aggregates Admixture	Chemical Testing	Loss on Ignition Alumina (as Al <sub>2</sub> O <sub>3</sub> ) Silica (as SiO <sub>2</sub> ) Iron Oxide (as Fe <sub>2</sub> O <sub>3</sub> ) Sulphuric Anhydride (as SO <sub>3</sub> ) Lime (as CaO) Magnesia (as MgO) Chloride (as Cl) Insoluble Residue Water Soluble Chlorides Sulphates Water Soluble Chlorides Sulphates Alkali Aggregate Reactivity Dry Material Content Ash Content pH Relative Density Chlorides		
24	Star Wire (India) Ltd. , Diagnostic Centre	21/4, Mathura road, Ballabgarh, Haryana		Construction water	Chemical	Acidity Alkalinity Calcium Chlorides residual free chlorine colour fluorides Total hardness magnesium Cadmium Chromium Hexavalent Chromium Copper Iron Lead Manganese silver aluminium Nickel sodium & potassium Zinc		



S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						pH value		
						Total dissolved solid		
						Volatile (organic) solids		
						Fixed (Inorganic) solid		
						Nitrates - Nitrogen		
						Conductivity		
						Sulphates		
						Turbidity		
						Phenols		
						Silica		
				Refractory material, fire bricks & clay		Loss on Ignition		
						Oxide of silica		
						Alumina		
						Iron Oxide		
						Calcium Oxide		
						Magnesium Oxide		
						Titanium Oxide		
				Fly Ash		Iron Oxide		
						Alumina Oxide		
						Calcium Oxide		
						Magnesia		
						Oxide of silica		
						Sulphate		
						Loss on Ignition		
						Total Alkali		
						Loss on Ignition		
				Cement OPC PPC PSC		Insoluble residue		
						Alumina		
						Iron Oxide		
						Silica		
						Calcium Oxide		
						Magnesium Oxide		
						Sulphuric anhydride as SO <sub>3</sub>		
						Sulphide Sulphur		
						Chlorides		
				Admixture		Chlorides		
						pH value		
						Ash Content		
						Dry material content		
						Relative Density		
				Soil		pH value		
						Total soluble sulphate		
				Aggregate		Alkali Reactivity		
						Dissolved silica		
						Reduction in alkalinity		
						sulphate		
						Chlorides		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry			
			TC-5164	Concrete		Sulphate Chloride	15.01.2017	14.01.2019			
				Tile	Mechanical testing	Water Absorption Dimensions Abrasion Value Wet Transverse strength Modulus of rupture Breaking strength					
						Acid resistance tile / bricks			Water Absorption		
						Fire clay refractory			Bulk density Cold crushing strength		
						Common burnt / fly ash bricks				Water Absorption Compressive strength Efflorescence Dimensions Flakiness Index Elongation Index Sieve Analysis Water Absorption Specific Gravity Bulk density Material finer than 75 micron Impact Value Crushing Value 10% fine value deleterious materials L.A. Abrasion value Organic Impurities Soundness Stripping Value	
										Aggregate	Flexural strength Compressive strength / Core test
										Concrete / Core	Durability water absorption Apparent Porosity Apparent specific gravity
										Stone	Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave
										Fly Ash	Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC Bitumen Penetration test Softening point (R & B) Ductility Elastic Recovery
										Bitumen	

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Cement (OPC, PPC, Slag cement, White cement)		Consistency Setting Time Fineness by blain's permeability method Soundness by autoclave Soundness by Le-Chatlier Compressive strength Water content Slump Time of setting Compressive strength Flexural strength Length Change Bleeding Loss of workability Air content (%)		
				Admixture		Liquid limit Plastic limit California bearing ratio Sieve Analysis Determination of water content proctor density test Direct shearing testing Field Density test (sand replacement method & core cutter method) One dimension consolidation Tri Axial (UU)		
				Soil (Site & land)				
				Concrete	Non-Destructive Test	Re-bound hammer Ultrasonic pulse velocity test		
25	Subodh Technologists	R-968, M.I.D.C. Rabale, Navi Mumbai, Maharashtra	T-0629	TMT Bar Timber & Plywood	Mechanical testing	Rebend Test Moisture content Specific gravity Shear strength parallel to grains	05.02.2017	04.02.2019
26	TUVR Heinland India Pvt Ltd	Mr. Rajesh Chiney Country Head, Material Testing Plot No.17B, Electronics City,Phase 2, East Wing, Hosur Road, Bangalore 560100	TC 5688	HSD Bars Structural Steel, Stainless Steel, Cast Iron Microstructures	Mechanical Testing	Weight per meter Tensile test (UTS, YS, %E and %RA) Bend Test Charpy Impact Test Hardness (BHN, Rockwell, Vickers)	24.04.2017	23.04.2019
27	Unique Engineering Testing & Advisory Services	216, Bridge Road No. 6-F, New Estate, Udhyog Nagar, Udhna, Surat, Gujarat 0261-2278205, 0261-2278310, 9824116103		Fine Aggregate Coarse Aggregate	Mechanical Testing	Sieve Analysis Finer than 75 micron Specific Gravity water Absorption Bulk Density Soundness by soudium Sulphate Sieve Analysis Elongation		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Flakiness Index		
						Water Absorption		
						Specific Gravity		
						Bulk Density		
						Ten percent fine value		
						Abrasion value		
						Impact value		
						Crushing value		
						Soundness by sodium Sulphate		
				Bitumen		Specific Gravity		
				Bitumen		Penetration		
				Bitumen		Softening Point		
				Bitumen		Ductility		
				Bitumen		Kinematic Viscosity		
				Bitumen		Absolute Viscosity		
				Asphalt Mix		Marshall Stability		
				Asphalt Mix		Flow Value		
				Asphalt Mix		Bulk Specific Gravity		
				Asphalt Mix		Density		
				Asphalt Mix		Binder Content		
				Burnt clay		Dimension		
				Building Brick & Burnt Clay Fly		Compressive strength		
				Ash Building Brick		Water Absorption		
				Ash Building Brick		Efflorescence		
				Autoclave Cellular (Aerated)		Dimensions		
				Concrete Blocks		Block density		
				Concrete Blocks		Compressive strength		
				Concrete Blocks		Drying Shrinkage		
				Paving Block		Water Absorption		
				Paving Block		Compressive strength		
				Paving Block		Abrasion resistance		
				Paving Block		tensile splitting strength		
				Paving Block		Flexural Strength / Breaking load		
				Paving Block		Dimension & Tolerance		
				Paving Block		Thickness of wearing layer		
				Paving Block		Plan Area		
				Concrete Manhole cover & Frame		Dimension		
				Concrete Manhole cover & Frame		Load		
				Cement (OPC , PPC, SRC, PSC)		Fineness dry sieve		
				Cement (OPC , PPC, SRC, PSC)		Fineness by specific surface by blain air		
				Cement (OPC , PPC, SRC, PSC)		permeability		
				Cement (OPC , PPC, SRC, PSC)		Soundness by le-chatlier		
				Cement (OPC , PPC, SRC, PSC)		Consistency		
				Cement (OPC , PPC, SRC, PSC)		Initial Setting Time		
				Cement (OPC , PPC, SRC, PSC)		Final Setting Time		
				Cement (OPC , PPC, SRC, PSC)		Compressive strength		
				Cement (OPC , PPC, SRC, PSC)		Specific Gravity		

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
			T-2300	Concrete -Core/Cylinder/Cube		Compressive strength	31.10.2016	30.10.2018
						Flexural Strength		
						Slump		
						split Tensile strength		
				Thin-bed mortar for AAC block		Splitting tensile strength		
				Fly ash/Pozzolana		Fineness by specific surface by bain air permeability		
						Lime Reactivity		
						Compressive strength		
						Specific strength		
						Fineness by sieving		
						Soundness by le-chatlier		
						Initial and final setting time		
				Plain & Chequered concrete tile		Flatness of surface		
						Perpendicularity		
						Straightness		
						Water Absorption		
						Wet Transverse Strength		
						Resistance to wear		
						Water Absorption		
				Ceramic Tiles / pressed ceramic (vitrified) tiles		Flexural strength		
					Breaking Strength			
					Dimension			
					Straightness			
					Rectangularity			
					Flatness			
			Reinforcement & Structural Steel		Ultimate Tensile strength			
					0.2% Proof stress			
					Percentage Elongation			
					Rebond			
					Bend			
			Clays and soils		water content			
					specific gravity - fine grained soil			
					specific gravity - coarse grained soil			
					Grain size Analysis -			
					1) Dry			
					2) Wet			
					3) Hydrometer			
					Liquid limit / Plastic Limit			
					Shrinkage Limit			
					light compaction			
					MDD			
					OMC			
					Unconfined Compression Strength			
					Triaxial (UU)			
					Cohesion			
					Friction Angle			

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
						Direct Shear Cohesion Fiction Angle California Bearing Ratio Consolidation Compression Index Cc Free swell Index Sweling Pressure Relative Density Laboratory Permeability Dry Density of soil in place by core-cutter method Dry Density of soil in place by sand Replacement Method Plate Load Pile load Vertical load (Compression) Lateral Load Pull out (Uplift) Field CBR Modulus of sub-grade reaction Electrical reactivity		
			T-4248	Reinforced Concrete Structures	Non-destructive Testing	Rebound Hammer Ultrasonic Pulse Velocity Cover Thickness Half Cell Potential	16.11.2016	30.10.2018
28	Universal Test House	VIJAI P. MISHRA C-200/140, Indra Nagar Lucknow - 226016 MOB. NO. - 9415410246,8004950301 Email :- universaltesthouse@gmail.com	T-3236	Soil  Coarse Aggregate  Fine aggregate	Mechanical Testing	Moisture Content Bulk Density (Wet/Dry) Atterberg's Limits Sieve Analysis Triaxial Test Cohesion Angle of internal friction Compaction Index Procter Test Light Compaction Heavy Compaction C.B.R. Test Specific Gravity Grain Size Analysis Grading (Residue of sieves) Impact Value Water absorption Specific Gravity Fineness Modulus Specific Gravity	19.12.2016	18.12.2018

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performed	Date of Issue	Date of Expiry
				Brick		Bulk Density		
						Length		
						Width		
						Height		
						Water absorption		
						Efflorescence		
						Compressive strength		
				Cement		Consistency		
						Setting Time		
						Compressive strength		