

List Of NABL Accredited Labs

S.No.	Name of the Laboratory	Contact Details	Certificate No.	Product / Material of test	Test Type	Specific Test Performe
				Construction Water		
				Comont	-	
				Cement	Chemical	
				Fly Ash	Chemicai	
		M-577, Guru Harkrishan		Gypsum & Its Products		
1	Alpha Tost House	Nagar, Paschim Vihar,	TC-5508		-	
•	Alpha Test House	New Delhi-110087	10-5506	Aggregates		
		+91 8826813853		Bitumen	-	
				Cement	-	
				Concrete	Mechanical	
				Fly Ash Tiles	-	
				Clays & Soils	-	
				Clays & Sulis		Ultimate Tensile stress
						% Elongation
				(Reinforcing Steel/		Yield Strength
				Structural Steel)		Bend Test
				Structural Steel)		Rebend Test
					1	Mass / Meter
						Consistency
						Setting Time Initial
						Setting Time Final
				Cement		Soundness by Le-Chatelie
						method
	Research Lans					Compressive Strength
						Density
						Fineness by blain air
		122, Himcity, Sitapur Road, Lucknow (UP) 9695228117, 8948232581				permeability
						Sieve Analysis
						Crushing Value
						Impact Value
2					Mechanical Test	Abrasion Value
						10% fine value
						Bulk Density
				Aggregate (Coarse)/ Ballast		Water Absorption
	1					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
				Aggregate (Fine)		
						Sieve Analysis
			1			Bulk Density
						Surface Moisture
						Bulking of Sand
						Deleterious Material a)clay
						lumps
						b)Soft particle
						Silt Content
						Organic Impurities
]	Soundness
						Specific Gravity
				Stone		Moisture Content
						Water Absorption
	1	1	İ		1	Compressive Strength
				Burnt clay bricks/ Flv		
				Burnt clay bricks/ Fly ash bricks		Water absorption Efflorescence

	0 (
	Softening Point
Ditumon	Fire & Flash Point
Bitumen	Specific Gravity
	Penetration
	Ductility
	Marshall Stability
Bituminous Material	Marshall Flow
Ditallillous Material	Bitumen Content
	Density
	Specific Gravity
	Moisture Content
	Sand Content
Bentonite	Gel Formation Index
Bernonite	
	Fineness
	Liquid Limit
	Free Swell Index
	Dimension(Thickness)
Flush Door shutter	Glue Adhesion Test
Flush Door shuller	Knife test
	End Immersion Test
	Density
Ply wood	Moisture Content
 	Density
	Moisture Content
	Water Absorption
	Linear expansion (Swelling in
	water)
Board	absorption after 2 h Soaking
	Thickness
	Surface absorption (in
	Thickness) after 2 h
	Soaking
	Water Content
Admixture	Slump
Admixtaro	Initial Setting Time
	Final Setting Time
	Compressive Strength
	Loss of Workability
	Slump
Concrete	Compressive Strength
Concrete	Flexural Strength
	Dimension
Ceramic Tiles	Water Absorption
	Modulus of rupture
	Breaking Strength
Concrete	Wet Transverse Strength
Tiles	Water Absorption
	Light Compaction
	Heavy Compaction
	Grain Size Analysis
Soil and Rock (soil &	Plastic limit
Granular Material)	Liquid limit
Grandiai Materiai)	•
	C.B.R.
	Specific Gravity
	Moisture Content
	Dimension(Thickness)
Paver Block	Compressive Strength
i avei block	Water Absorption
	Flexural Strength
AAC Block	Density in oven dry condition
AAC BIUCK	Compressive Strength
	Dimension
	Silica (SiO ₂)
	Loss of Ignition
	Insoluble residue
	Total Sulphur (as SO ₃)
Cement (OPC/PPC)	
` '	Calcium Oxide (as CaO)
	Magnesia (as MgO)
	magneeia (de mge)
	Alumina (as Al ₂ O ₃)

_			•	Γ	1	-
						Loss of Ignition
				O (DDO)		Total Sulphur (as SO ₃)
				Cement (PPC)	Chemical Testing	Magnesia (as MgO)
						Insoluble residue
						Dry Material Content
						Ash Content
				Admixture		Relative Density
				Admixture		
						Chloride Content
						pH Value
				Concrete & Cement		Sulphate (as SO3)
				Mortar		
				Coarse		Calcium Oxide (as CaO)
				Aggregate/Fine		Organic Impurities
				Ceramic Tiles		Resistance to staining
						Resistance to household
						chemicals
						Resistance to acids and alkalis
				Soil		pH Value
				Benetonite		pH Value
						•
				Bitumen & Asphalts		Solubility in Trichoroethylene
						Carbon
				TMT 0: 1		Sulphur
				TMT Steel		Phosphorous
						Manganese
						Silicon
						Carbon
						Sulphur
						Phosphorous
				Stainless Steel		Nickel
						Manganese
						Silicon
						Chromium
						pH Value
						Acidity, NaOH(0.02N)
						Alkalinity, H ₂ SO ₄ (0.02N)
				Construction Water		Chloride
				Construction Water		Total Suspended Solids
						Organic Solids
						Inorganic Solids
						Sulphate Acidity
						Colour
				Reinforced Concrete	Non-Destructive	Rebound Hammer Test
				Structures	Testing	Ultrasonic Pulse velocity Test
						Grain Size Analysis
						Hydrometer Analysis
						Liquid Limit
						Plastic Limit
						Plasticity Index
						Free Swell Index
						Specific Gravity
						Shrinkage Limit
						Light Compaction (MDD &
		Bhumi Research	21/1362, 'Bhumi House'		Machaniaal	OMC)
	3	Centre	Sagrampura, Ring Road,	Soil	Mechanical testing	Heavy Compaction (MDD &
			Surat Gujarat		_	OMC)
						CBR
						Direct Shear Test
						Unconfined Compression
						(without pore
						pressure)
						Triaxial Shear Test (Without
						Pore pressure)
						Consolidation Test
						Moisture Content
	Buy it fror	n Amazon	•	1	1	- -
						Dimension
				Bricks		Water Absorption
						Compressive strength
						Efflorescence

	İ	Í	i			[a:
				Fine Aggregate		Sieve Analysis Specific Gravity Water Absorption Bulk Density
				Concrete core/Cubes		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
				Coarse Aggregate		Elongation Index
			T-5521			Impact Value Crushing Value
						Abrasion Value
						Bulk Density (loose)
						Consistency
						Initial setting time Final setting time
				Cement (OPC /PPC)		Fineness by Blaine air
						permeability
						Soundness by le-chatelier Compressive strength
						Ultimate tensile strength
						yield stress
				Steel Reinforcement		Elongation
						Bend test Rebend test
						Weight / meter
						Field testing by core cutter
				Soil at site		FDD by water replacement
						FDD by sand replacement
			T-3965	Reinforced Concrete	Non-Destructive	Rebound hammer test
				masonry materials, plaster and insulating	test	Ultrasonic Pulse velocity test Water Absorption Coefficient
4	CABSE	K.L. Campus, Navrangpura, Ahemdabad, Gujarat	T-3863	material	Mechanical	Moisture retention Curve
7					Testing	Thermal Conductivity
				Building Materials		Diffusivity
						Specific Heat
						Sorption Isotherm
						Compressive strength
				Cement		Fineness Soundness
						Setting time
						Tensile Strength
				TOR Steel,		Elongation
				Structural steel		Proof Stress Bend Test
						Rebend test
						Particle size distribution
						Deleterious material Specific Gravity
						water absorption
				Aggregate (coarse /Fine)		crushing value
				// ino)		crushing strength
						10 % fine value impact value
						abrasion value
						Compressive strength
				Bricks / Bricks Tiles		Water absorption
						Efflorescence Water absorption
				Glazed Tiles		Crazing test
		B-32, Shyam Park Extt.		Giazea i lies		Impact Resistance
		Sahibabad, Ghaziabad				Chemical Resistance

5	Chemical Analysis		T-2995, T-2996		Chemical &	C.B.R. Value
	Lab	Mob:- 9911777525, 8800646952	1-2995, 1-2996	Soil	Physical Tests	Proctor density Particle size distribution
		Email: labchemi@yahoo.in		Goli		OMC
						Plastic Index
				Concrete Mix Design		Complete facilities available for design mix evaluation
				Construction water		As per IS :456
						Complete test for carbon, sulphur, phosphorous
				Barbed Wire		Mass of zinc coating point wire
						Tensile strength Breaking load weight
						Complete test as per IS: 1161 & IS: 1239. for Carbon, Sulphur,
				MC Dine and		Phosphorous
				MS Pipe and Galvanised Pipe		Outer diameter Thickness
						Weight
						Tensile strength
						Elongation Zinc coating
				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		
				Concrete / Mortar Cubes		Compressive strength
						Consistency
						Initial setting time Final setting time
				Cement (OPC		Compressive strength
				/PPC/Flyash)		Fineness by dry and Blaine air permeability
						Specific Gravity
						Soundness by autoclave & le-chatelier
						Sieve Analysis
						Bulk density los angles abrasion value
						Impact Value
						Crushing Value Water Absorption
						Specific Gravity
				Coarse Aggregate		Flakiness Index
		H-13 (d), Electronic				Elongation Index 10% fine value
6	C & I Systems	complex, road no. 1, I.P.I.A. , Kota , Rajasthhan			Mechanical Testing	Soundeness with Na ₂ SO ₄ / Mg SO ₄
						Stripping value Sand equivalent value
						Deleterious materials
						Sieve Analysis
						Bulk density los angles abrasion value
						impact value
						Crushing Value

	1	Water Absorption
		Water Absorption specific gravity
	Fine Aggregate	Flakiness Index
	Fine Aggregate	Elongation Index
		10% fine value
		Soundeness with Na ₂ SO ₄ / M
		SO ₄
		· ·
		Stripping value
		Sand equivalent value
		Deleterious materials
	Mix Design	Mix design of cement concrete
		Observation de aires seith
		Slump test, mix design with accelerated
		curing
		Water Absorption, Block
		Density,
		Compressive strength
	Concrete core (solid	Sampling at site
	& hollow)	
	,	Testing compressive strength
		density
		water absorption
		Compressive strength
		water absorption
	Bricks	Efflorescence
		Dimension
		Bulk density
		Compressive strength
	Paver block	water absorption
		Flexural strength
		Softening point
		Flash point
		Penetration test
		Ductility test
		Marshall stability
		Solubility in trichloroethylene
TC-5862		loss on heating
		elastic recovery at 15° C
		Specific Gravity
	Bitumen & bitumen	Thin film oven test
	emulsion	Residue on 600 micron
	emusion	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
	<u> </u>	tests on residue
		Grain Size
		L.L.
		P.L.
		Water content
		Specific Gravity
	Soil	Shrinkage Limit
		Compaction test
		FSI
		Swelling Pressure
		CBR
		Direct Shear Test
		Consolidation
		Permeability
		CNS Mix Design
		Plate load test
		Cyclic plate load test
		Standard penetration test
	Soil at site	Field CBR test
		In situ density
		 Sand Replacement Core cutter method

						pH Value			
						Water soluble sulphate			
						Water soluble chloride			
				Soil		Organic matter			
						Soluble solids			
				-	ChamiIT "	Calcium carbonate			
					Chemical Testing				
						Suspended matter			
				Construction Burnoss		Chloride			
				Construction Purpose		Sulphate			
				water		Organic , iNorganic			
						Acidity			
						Alkanity			
						Density			
						Moisture Content			
						Specific Gravity			
						Grain Size Analysis			
						Sieve			
						Hydrometer			
						Atterberg Limit			
						Liquid Limit			
						Plastic Limit			
						Shrinkage Limit			
						Light Compaction			
		D-1/65, Sanjay Colony,				Heavy Compaction			
7	EMM Tech	NIMS Hospital Road,		Coil	Mechanical	California Bearing Ratio			
•	Calibration	Sector-23, Faridabad,		Soil	Testing				
		Haryana			Ĭ	Unconfined Compression (UC)			
						Consolidation			
						Free swell index			
						Swelling Pressure			
						Permeability			
						Direct Shear			
						Triaxial Compression			
						Unconsolidated Undrained			
						(UU)			
						Consolidated Undrained (CU)			
						. ,			
						with pore			
						pressure measurement			
						Consolidated Drained			
						Apparent Specific Gravity			
						water absorption			
				Stone (granite, Kota,		Specific Gravity			
				marble)		Moisture Content			
						Dry Density			
						Grain Size Analysis			
						Flakeness Index			
						Elongation Index			
						Specific Gravity			
						Water absorption			
						Bulk Desity			
				Aggregate (Coores)					
				Aggregate (Coarse)		Impact Value			
						Aggregate Crushing Value			
						Los Angeles Abrasion Test			
						Soundness Test			
						10% Fineness Value			
						Material finer than 75 microns			
						I.S. Seive			
						Seive Analysis			
						Specific Gravity			
				Aggregate (fine)					
				Aggregate (fine)		Water Absorption			
						Bulk Density			
						Soundness Test			
						Finances (Dry soive method)			
						Fineness (Dry seive method)			
			TC-5493			Fineness (Blane air permeability)			
			TC-5493			Soundness (Le-Chatelier			
				0		method)			
				Cement		Soundness (Auto clave			
						method)			
						Consistency			
						Initial setting time			
						Final setting time			
						Compressive strength			
	1					Density/Specific Gravity			
						Compressive Strength			
			1	1 .		Accelerated Compressive			
							Concrete		Accelerated Combiessive
				Concrete					
				Concrete		Strength			
				Concrete					

Brick (Burnt Clay)	Compressive strength
Briok (Barrit Glay)	Water Absorption
	Efflorescence
	Dimension (Length Width
Brick (Fly ash lime &	Thickness)
sewer)	Compressive strength
,	Water Absorption
	Efflorescence
Concrete Block for	Water Absorption
paving	Compressive strength
1 3	Flash Point
Bitumen	Softening Point
Ditumen	Penetration
	Ductility
	Solubility in trichloroethylene
	Loss on heating
	Length
	Width
	Thickness
	Straightness of side
	Rectangularity
	Surface flatness
	Surface Quality
	Physical properties
	1 Hysical properties
	Water Absorption % by mas
Ceramic Tiles	Bulk Density
Ceramic Tiles	Scratch hardness of surface
	Resistnce to household
	Resistance to acids
	Chemical and swimming po- water cleaners except to cleaning agent, containing hydroflouric acid and its compound
	Sulphuric acid, lactic acid, hydrochloric
	Dimension (Length Width
	Thickness)
	Flatness of the tile surface
	Perpendicularity
Chequered Cement	
•	Straightness
Concrete Til	Water Absorption %
	Resistance to wear
	Thickness of wearing layer
	Flatness of the surface
	Wet transverse strength
Uncoated stress	Dimensions
relieved low	Mass/Meter
High strength	Mass (kg per meter)
deformed steel, bars	, , , , , , , , , , , , , , , , , , ,
and wires for concrete	yield stress 0.2 % proof stre
reinforcement,	T.S. / Y.S. ratio
structural steel,	Elongation %
galvanised steel	Total elongation at maximur
•	force
sheet, GI pipe, MS	Tensile Strength
pipe, hollow steel	Dimension
	Bend
section, stainless	Della
steel plates, sheets	' I
steel plates, sheets High strength	
Steel plates, sheets High strength deformed steel,	Rebend
steel plates, sheets High strength	Rebend
Steel plates, sheets High strength deformed steel,	Rebend
Steel plates sheets High strength deformed steel, bars & wires for concrete	
Steel plates sheets High strength deformed steel, bars & wires for concrete MS & GI pipe	Flattening
Steel plates sheets High strength deformed steel, bars & wires for concrete	

Britumen Paver block Dr. Wanish Sharma Rou Mo. 78 to 80 8 95 to Amanagar/Vadodara, Glara 9825244239 Dr. Manish Sharma Rou Mo. 78 to 80 8 95 to Amanagar/Vadodara, Glara 18825244239 Dr. Manish Sharma Rou Mo. 78 to 80 8 95 to Cannet Concrete Tiles / Chequired Cannet Concrete Tiles / Caramic Tiles Tiles / C	ı	1	 	ĺ		1	Dimesion
Dr. V.Chandrasekaran, Manager(Laba), C-19, Industrial Estate, Chemical Testing Chemical Testing Chemical Testing Chemical Testing Chemical Testing Chemical Testing Chemical Testing Mater (Construction Water (Construction Water, Imgalion W					Plywood Products		
8 Femo Labs Private Limited Limited Chemical Testing Chemical Testing Pack 4255051 Fax:044 2255330 Mail ID: Water (Construction purpose Phase) Pack 4255330 Mail ID: Water (Fresh Concrete Fresh Concrete Fresh Pack 4255051 Pack							
Dr. V. Chandrasekaran, Manager(Labo), C-19, Manager(Labo), C-19, Manager(Labo), C-19, Mogapata West, Chandrasekaran, Ph:044 26259051 Facu64 26259330 Mail ID: Water (Construction purpose Private Academy Addition) Facu64 26259330 Mail ID: Water (Construction purpose Private Academy Addition) Water, Ingation Water, Bore Hordened Concrete Concr							
Dr. V.Chandrasekaran, Manager(Labs), C-19, Included Estate, Mogappair West, Limited Limited Par. Obs. 42826931 Mail ID: Water (Construction purpose Par. Obs. 42826933) Water (Construction purpose Par. Obs. 4282693) Water (Construction purpose Par. Obs. 4282693) Water (Construction Water, Domesia) Construction Water, Domesia) Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Water, Domesia Construction Const							
Brick Br							
Separation Control C			Dr.V.Chandrasekaran.				
Person Labs Private Limited Private Chemnal - 600037			1				
Chemical Testing							Suspended matter
Construction purpose Photal 42620691 Photal 42		Femo Labs Private	Mogappair West,	T 2105	Water for	Chamical Testing	Sulphate
Parch4 26258330 Mail ID: Water (Construction Water, Domestic Water, Impation Water, Domestic Water, Impation Water, Bornell And Poly Water, Bornell And Poly Water, Bornell And Poly Water, Bornell And Poly Water, Bornell And Poly Water, Bornell And Poly Water, Bornell And Poly Water, Bornell And Poly Water, Bornell And Poly Water, Bornell And Poly Water, Bornell And Poly Water, Bornell And Poly Water, Absorption Specific Gravity Penetration Test Softening Point Test Ducility, Test Flish Poly Water Absorption Specific Gravity Penetration Test University Penetration Test Softening Point Test Ducility, Test Flish Poly Water Absorption Water Absorption Testing of Connered C	ľ	Limited	Chennai - 600037.	1-3195	construction purpose	Chemical resumg	Acidity
Water (Construction Water, Domestic Water, Irrigation Water, Bornest Water, Irrigation Water, Bornest Water, Irrigation Water, Bornest Water, Irrigation Water, Bornest W							
Water (Construction Water, Domestic Damestic Water, Irrigation Water, Bore Water,							
9 Services, Vadodara Geo Engineering Services, Vadodara On Manish Sharma Plot No. 78 to 80 & 95 to 97, Amaragari Vadodara, Gujarat 9825244239 Dr. Manish Sharma Plot No. 78 to 80 & 95 to 97, Amaragari Vadodara, Gujarat 9825244239 Steel (Reinforcing and Structural) Steel (Reinfo			Mail ID:				
Bitumen Geo Engineering Services, Vadodara Fina No. 78 to 80 & 95 to 97 to 78 to 80 & 95 to 97 to 78 to 80 & 95 to 97 to 78 to 80 & 95 to 97 to 78 to 80 & 95 to 97 to 78 to 80 & 95 to 97 to 78 to 80 & 95 to 97 to 78 to 80 & 95 to 97 to 78 to 80 & 95 to 97 to 78 to 80 to 97 to 78 to 80 & 95 to 97 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 80 to 78 to 80 to 78 to 80 to 78 to 80 to 80 to 78 to 80 t							
Water, Irrigation Water, Bore Belectrical Conductivity (EC) ap.5°C Compressive Strength Silump Test Concrete (Fresh Paver block) Paver block Dr. Manish Sharma Piot No. 7s to 80 8 95 to 97 Manish Sharma Piot No. 7s to 98 Mani				T 2702	,	Chamical Tacting	
Water, Bore @25°C Compressive Strength Parent block Pawer block				1-3702		Chemical resumg	
Concrete (Fresh Paver block Paver block Paver block Dr. Manish Sharma Plot No. 78 to 80 & 95 to 97. Anarnagar Vadodara, Gujarat 3825244239 Dr. Manish Sharma Plot No. 78 to 80 & 95 to 97. Anarnagar Vadodara, Gujarat 3825244239 Tiles / Chequered Cement Concrete Tiles / Ceramic Tiles Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Coarse Aggregates Coarse Aggregates Dr. Manish Sharma Plot No. 78 to 80 & 95 to 97. Anarnagar Vadodara, Gujarat 3825244239 Tiles / Chequered Cement Concrete Tiles / Ceramic Tiles Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Fine Aggregates Fine Aggregates Fine Aggregates Tiles / Ceramic December Strength Water Absorption Flakiness Index Elongation Nature United Strength Elongation Scalonal Weight Been Test Size And Grading, Abbroon Value United Strength Elongation Size And Grading, Abbroon Value United Strength Elongation Size And Grading, Abbroon Value United Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Index Individual Strength Elongation Individual Strength Elongation Individual Strength Elongation Individual Strength Individual					. •		
Paver block Paver block P					Hardened Concrete		Compressive Strength
Geo Engineering Services, Vadodara Dr. Manish Sharma Plot No. 78 to 80 & 95 to 97, Amaragar/Vadodara, Gujarat 9825244239 Tiles / Chequered Cement Concrete Tiles / Chequered Cement Concrete Tiles / Chequered Cement Concrete Tiles / Creamic Tiles Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Coarse Aggregates Coarse Aggregates Fine Aggregates Brick Cement OpC, PPC, PSC Cement OPC, PPC, PSC Compressive Strength Water Absorption							Slump Test
Paver block Metar blocy block Paver block Paver block Paver block Metar blocy block Paver block Paver block Paver block Metar blocy block Paver block Paver block Paver block Metar blocy block Paver block Paver block Paver block Metar blocy block Paver block Paver block Metar blocy block Paver block Paver block Paver block Metar blocy block Paver block Paver block Metar blocy block Paver block Paver block Metar blocy block Paver block Paver block Metar block Paver block Paver block Metar block Paver block Paver block Metar block Paver block Paver block Metar block Paver block Paver block Metar block Paver block Paver block Metar block Paver block Paver block Metar block Paver block Paver block Met					Concrete (Fresh		
Geo Engineering Services, Vadodara Dr. Manish Sharma Plot No. 78 to 80 & 95 to 97. Amarnagar Vadodara, Gujarat 9825244239 Dr. Manish Sharma Plot No. 78 to 80 & 95 to 97. Amarnagar Vadodara, Gujarat 9825244239 Tiles / Chequered Cement Concrete Tiles / Ceramic Tiles Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Coarse Aggregates Tiles / Ceramic Tiles Steel (Reinforcing and Structural) Steel (Reinforcing and Structural) Fine Aggregates Fine Aggregates Fine Aggregates Crasting Resistance Visite And Grading, % Specific Gravity Water Absorption Sectional Weight Re Bend Test Re Bend							Concrete
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PSC (Method) Compressive Strength Fineness by Blain's Air					Cement OPC PPC		Soundness (By Le Chatelier
Compressive Strength Fineness by Blain's Air							
					. 55		
Density	I	I	I I			J	Density

1						Particles Retained 45 Micron
						Sieve
			T-2655	Fly Ash		Fineness by Blain's Air Permeability
						Comparative Compressive Strength At 28 Days
						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)
				Soil		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
						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	Non-Destructive	Ultrasonic Pulse Velocity
			1-0700	Testing for	Testing	Rebound Hammer Test
						Tensile Strength Elongation
1				TMT Steel		Yield stress
						Bend stress
1						Rebend stress
						Tensile strength Elongation
1				Structural steel		Yield stress
1						Bend stress
						Impact Value
						Specific gravity Bulk Density
1						Moisture contents
				Aggregate / Sand		Soundness
1		A-11 Naresh Park, Extension Industrial area,				Sieve Analysis
		Najafgarh road, Nangloi,			Chemical &	Deleterious material
10	Global Test House	New Delhi - 110041 Tel:-	T-2591		Mechanical	Crushing / abrasion value Water absorption
1		011-65576700 Mail :- globaltesthouse@rediffmail			Testing	Water absorption
1		.com		Bricks/Tiles		Efflorescence
						compressive strength
1						Water absorption
				Ceramic tiles		Crazing test Impact strength Test
						Chemical resistance test
-	•	. '			1	

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						C.B.R. Value
						proctor density
						sedimentation value
				soils		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
	Solutions				resung	Specific Gravity
						Water absorption
						Bulk Density
						Materials finer than 75 µ IS
						sieve
						Bulking of fine aggregate
						Soundness by sodium
						sulphate
						Sieve Analysis
						Specific Gravity
						Water Absorption
						Bulk Density
				Coarse Aggregate		Flakiness Index
				Coarse Aggregate		Elongation Index Crushing Value
						Impact Value
						10% fine Value
						Soundness by sodium
						sulphate
						Normal Consistency
				Cement OPC/PPC		Initial Setting Time
						Final Setting Time Fineness by Blain's air
						permeability
				Slag		Soundness by Lechattelier
						Method Compressive strength
		Ponniyamman Nagar, Ayanambakkam, Chennai, Tamil Nadu 99404 55530				Specific Gravity
	Chennai Private Limited		TC-5814			Passing by 45 micron sieve
				Fly Ash		Specific surface by blain's air permeability
				1 19 7.0.1		Soundness - By Le Chattelier Method
						Consistency Initial
I						Flexural Strength
						Rapid Chloride Ion penetration test
				Harden Concrete		Accelerated Compressive
						Strength
						Water Permeability test
				Burnt clay bricks/		Compressive Strength
				Flyash bricks		Water absorption
				/ Flyash lime bricks		Efflorescence Dimension
I						Compressive strength
				Concrete Paving		Water Absorption
				Blocks		Dimension
				Hollow & Solid		Dimension
I				Concrete Blocks		Water absorption
				COLICIES DIOCKS		Compressive strength
						Ultimate Tensile Strength
						0.2% proof stress
Ī				Reinforcement /		% of elongation
				Structural Stee		Mass per meter
						Bend Test Re-bend test
						Rebound Hammer Test
				Reinforced Concrete	Non-Destructive	Rebound Hammer Test Ultrasonic Pulse Velocity
				/ Reinforced concrete	Non-Destructive Test	Rebound Hammer Test Ultrasonic Pulse Velocity Half-Cell potential test
						Rebound Hammer Test Ultrasonic Pulse Velocity

						Titration Test Organic matter content Inorganic matter content	
				Construction Water		Sulphates content chloride content Total suspended matter	
						pH loss on ignition Silica	
						Alumina iron oxide	
				Cement , OPC, PPC		Calcium Oxide Magnesia Sulphuric Anhydride	
						Insoluble Residue Sodium Oxide	
						Potassium Oxide Chloride Free lime content	
12	Hitech Scientific Corporation	B-XI/43-44, Automobile Nagar, Delhi by pass road, Jaipur Rajasthan			Chemical Testing	loss on ignition Silica	
		Toau, Jaipur Kajastiiaii		Fly Ash		Alumina Ferric oxide Calcium Oxide	
						Magnesia Sulphuric Anhydride Chloride	
				Admixture		Dry material content ash content relative density	
				Admixture		chloride pH value	
				Bentonite		pH Gel formation index Acid soluble sulphate	
				Coarse Aggregate		Water soluble sulphate Alkali Aggregate Reactivity (Determination of potential reactivity of aggregates) Reduction in alkalinity	
						Dissolved Silica Alkali Aggregate Reactivity	
					Fine Aggregate (Sand)		(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 Flash Point (COC)	
				Bitumen & Allied Material		Absolute Viscostity at 60 °C Kinematic Viscosity at 135 °C	
						Solubility in Trichloroethylene	
						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	
				Bitumen Emulsion		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	

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			Distillation
			-At 190 °C
			-At 225 °C
			-At 260 °C
			Thin film oven test & test on
			residue loss in
			mass
			Increase in softening point
	Polymer & Rubber		Reduction in penetration of
	Modified bitumen		residue at 25°C
			Elastic recovery of half thread
			in
			ductilometer at 25°C
			Viscosity at 150° C (Absolute
			Viscosity)
			Specific Gravity 27° C
			Pour points
			Flash point (COC)
	Antistriping Agents		Water content
			solubility in HSD
			Stripping Value
			Acid soluble chloride
	Hardened Concrete		Water soluble sulphate as SO ₃
		1	Silica Content
			Moisture Content
			Loss on ignition
	Micro Silica		Sodium Oxide
			Potassium Oxide
			sulphur trioxide
			chloride content
			insoluble residue
	hermoplastic traffic line materi		glass beas content
	mio materi		pH
			Total soluble sulphate
			total soluble solids
			Nitrogen
	Soil		Calcium carbonate
			chloride
			nitrate content
			organic matter
			binder content
			softenig point
			softenig point Specific Gravity by pycnometer
			softenig point Specific Gravity by pycnometer method
			softenig point Specific Gravity by pycnometer method dry seive analysis
			softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis
TC-5540			softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit
TC-5540			softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit plastic limit
TC-5540			softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit plastic limit compaction factor (Protactor
TC-5540			softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit plastic limit compaction factor (Protactor test) for heavy
TC-5540			softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit plastic limit compaction factor (Protactor
TC-5540			softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit plastic limit compaction factor (Protactor test) for heavy
TC-5540			softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit plastic limit compaction factor (Protactor test) for heavy compaction Direct shear test (undrained)
TC-5540			softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit plastic limit compaction factor (Protactor test) for heavy compaction Direct shear test (undrained) tri-axial compression test
TC-5540	Soil		softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit plastic limit compaction factor (Protactor test) for heavy compaction Direct shear test (undrained) tri-axial compression test without pore
TC-5540	Soil		softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit plastic limit compaction factor (Protactor test) for heavy compaction Direct shear test (undrained) tri-axial compression test without pore pressure
TC-5540	Soil		softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil		softenig point Specific Gravity by pycnometer method dry seive analysis wet seive analysis liquid limit plastic limit compaction factor (Protactor test) for heavy compaction Direct shear test (undrained) tri-axial compression test without pore pressure
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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) Sieve Analysis Flakiness index
TC-5540	Soil	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive 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) Sieve Analysis
TC-5540	Soil Coarse Aggregate	Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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) Sieve Analysis Flakiness index
TC-5540		Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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) Sieve Analysis Flakiness index elongation index bulk density
TC-5540		Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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) Sieve Analysis Flakiness index elongation index bulk density specific gravity
TC-5540		Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive 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) Sieve Analysis Flakiness index elongation index bulk density specific gravity water absorption
TC-5540		Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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 meter swelling pressure water content Unconfined compression test grain size analysis (Hydrometer method) Sieve Analysis Flakiness index elongation index bulk density specific gravity water absorption Impact Value
TC-5540		Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive 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) Sieve Analysis Flakiness index elongation index bulk density specific gravity water absorption
TC-5540		Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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 meter swelling pressure water content Unconfined compression test grain size analysis (Hydrometer method) Sieve Analysis Flakiness index elongation index bulk density specific gravity water absorption Impact Value 10% fine value Crushing Value
TC-5540		Mechanical Test	softenig point Specific Gravity by pycnometer method dry seive analysis wet seive 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 meter swelling pressure water content Unconfined compression test grain size analysis (Hydrometer method) Sieve Analysis Flakiness index elongation index bulk density specific gravity water absorption Impact Value

	Soundness
	Stripping Value
	Sieve Analysis (Fine)
	Bulk Density
	Specific gravity
Fine Aggregate	water absorption
33 3	Silt content by volumetric
	method
	bulking of sand
	materials finer than 75 µ
Aggregate (Coores /	Clay lumps
Aggregate (Coarse /	clay, fine silt & fine dust
Fine)	soft particles
	petrographic examination
	stone polishing value
	Sand Content
	swelling power
Bentonite	moisture 5 by mass
	fineness wet
	fineness dry
	marsh cone viscosity
	water absorption
	compressive strength
Brick	dimension & tolerances
	Efflorescence
	bulk density
	Specific gravity (Density)
	Fineness test (dry sieving)
	Soundness (le-chatelier
	method)
Coment	standard consistency
Cement	setting time
	compressive strength
	soundness by autoclave
	fineness (by blaine air)
	drying shrinkage
	wet transverse strength
	water absorption
	dimension
Cement concrete	flatness of surface
tiles, terrazo, marble,	
glazed	straightness
	perpendicularity
	thickness of wearing surface
	Workability by slump test
Concrete	compressive strength of cubes
Concrete	accelerated curing of concrete
	for
	compressive strength
	Flexural strength
	water permeability
	split tensile strength
	moisture movement
	drying shrinkage
	Dimension
Solid & Hollow	Block density
Blocks	compressive strength
	water absorption
	Fineness (by blain Air)
	Soundness (Le-Chateleir
	Method)
	Soundness by Autoclave
Fly Ash	compressive strength
, , , , , , , , , , , , , , , , , , , ,	compressive sirengin
	lima reactivity
	lime reactivity
	moisture content
	moisture content drying shrinkage
	moisture content drying shrinkage Fineness (By Blain Air)
	moisture content drying shrinkage Fineness (By Blain Air) Soundness
Lime	moisture content drying shrinkage Fineness (By Blain Air)
	moisture content drying shrinkage Fineness (By Blain Air) Soundness Compressive Strength Sp. Gravity (Density)
	moisture content drying shrinkage Fineness (By Blain Air) Soundness Compressive Strength
	moisture content drying shrinkage Fineness (By Blain Air) Soundness Compressive Strength Sp. Gravity (Density)
Lime	moisture content drying shrinkage Fineness (By Blain Air) Soundness Compressive Strength Sp. Gravity (Density) Setting time & consistency
	moisture content drying shrinkage Fineness (By Blain Air) Soundness Compressive Strength Sp. Gravity (Density) Setting time & consistency Softening Point Penetration Test
Lime	moisture content drying shrinkage Fineness (By Blain Air) Soundness Compressive Strength Sp. Gravity (Density) Setting time & consistency Softening Point Penetration Test Ductility Test at 25 °C
Lime Bitumen	moisture content drying shrinkage Fineness (By Blain Air) Soundness Compressive Strength Sp. Gravity (Density) Setting time & consistency Softening Point Penetration Test Ductility Test at 25 °C Specific Gravity
Lime	moisture content drying shrinkage Fineness (By Blain Air) Soundness Compressive Strength Sp. Gravity (Density) Setting time & consistency Softening Point Penetration Test Ductility Test at 25 °C

		Ī	İ		1	Under water sesting to the will t								
				Antistriping Agents		Under water coating test with 1 % anti- stripping agents for sprayed work								
				Sealing Compound		Pour Point								
				Micro Silica		Penetration Particle retained on 45 micron sieve (%) Compressive strength ratio of								
						microsilica (%) Strength properties (72 hrs.) soaked, 24 hrs.								
				Building stone		oven dry True specific gravity water absorption								
				Seven ply stand for prestressed concrete		Breaking load Nominal mass of strand % Elongation								
				Rebar coupler		Yield load Tensile strength								
				assembly 3 ply strand for		Breaking load								
				pre-stressed concrete		Nominal Mass Area of strand Yield load % Elongation								
						Yield stress Tensile strength % Elongation								
				Reinforcement Steel Bar		Bend Re-Bend								
						Nominal Mass Total Elongation at maximum								
						force Loss on Ignition Silica								
						Alumina								
				Cement		Iron Calcium Oxide								
				Hydrated Lime		Magnesium Oxide								
						Sulphuric Anhydride								
						Insoluble Residue								
					Available Lime									
		. I. I. I	alah Haysa B O Bay 102	Halah Hausa B O Bay 102	Italah House B O Boy 103			Calcium Hydroxide						
		Italab House ,P.O.Box 103,				Calcium Oxide								
			Opp Carmelite Monaster , Malbhat	Malbhat										Sulphur Anhydride
	Italab (Goa) Pvt.	Margao- Goa , 403601		Gypsum		Purity By calculation as SO ₃								
13	Ltd. Italab House	Email ld :	T -1851		Chemical Testing	Basis								
	,P.O.Box 103,	Italab.goa@rediffmail.com				Insoluble Residue								
		Italabgoa@rediffmail.com 0832 2703836 , 0832 2704883				pH								
				Soil		Chlorides as Cl								
						Sulphates as SO ₃								
						Sulphates Total residue								
						Total residue Filterable residue								
						Chloride								
				Construction water		pH value								
						Non-filterable residue								
						Volatile and fixed residue Total Alkalinity								
						Acidity								
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									
		Plot No. 83/14, street				Setting time Initial								
15	National testing lab	no.1 , Udyog nagar, Mundka industrial area,		Cement (OPC, PSC & PPC)		Final Soundness Lechatlier								
		Delhi		,		Autoclave								
						Compressive Strength								
						Fineness Blain's method								
						Consistency								
						Drying shrinkage (for PPC) Density								
						Fineness Blain's method								
						Residue 45 micron								

			lime reactivity
		Fly Ash	Compressive strength
			Soundness
			Autoclave Expansion
			Specific gravity
			Dimension
			Length
			Width
		Brick	Height
			Water Absorption
			Efflorescence
			Compressive Strength
			Flakiness Index
			Deleterious materials
			Bulk density
			Specific gravity
			Alkali aggregate reactivity
			-Reduction in alkanity
		Coarse Aggregate	Total dissolved slica
			Water Absorption
			Crushing Value
			Impact Value
			Abrasion Value
			10% fine value
			Sieve Analysis
			Elongation Index
			Organic Impurities test
			Water absorption
			Deleterious materials
			bulk density
		Fine Aggregate	Alkali aggregate reactivity
		Tille Aggregate	-Reduction in alkanity
			Total dissolved silica
			Soundness
			Sieve analysis
			Specific gravity
			Free swell index
		Bentolite	Liquid limit
		Bentonte	Density
			Sand content
			Marsh cone viscosity
			Gel formation index
			Compressive Strength
			Drying shrinkage
			Moisture movement
			Water Permebility test
		concrete (Cube, Core	Rapid Chloride ion
		& Beam)	
			permeability test
			water absorption
			Flexural strength
			Split tensile strength
			Air content
			Water content
			Bleeding test
		Concrete Admixture	Compressive Strength
			Flexural strength
		ı	Catting time Initial
ļ			Setting time Initial

Ī	Г	1	<u> </u>	
			Block density	
		Blocks (Hollow &	Compressive Strength	1
		Solid)	Water Absorption Dimension	
			Drying Shrinkage	
	-		Compressive Strength	1
		Pre cast concrete	Water Absorption	
		paver blocks	Dimension	
			Abrasion Resistance	
			Thickness of Wearing	layer
		Cement Concrete	Wet transvere strengt	h
		tiles	Water Absorption	
			Dimension	
			Abrasion Resistance	
			Specific gravity	
			Compressive Strength	1
			Scratch Hardness Transverse Strength	
			Durability	
		Stone	Dry density	
			Moisture Content	
			Porosity (True & Appa	arent)
			Tensile strength	
			Resistance to wear	
			Setting time Plaster Sand Mixture I	Neat
		Gypsum building	Plaster	
		plaster	Soundness Transverse Strength	
			Transverse Strength Mechanical Resistance	e of Set
			Neat Plaster Residue on 90 Micron	,
			Expansion on setting	
			Normal consistency	
		Micro Silica	Sieve Analysis at 45 M	∕licron
			Compressive Strength	ı
			Dimension & Surface	quality
			Thermal shock	
			Planeness / Straightne	ess
			Squareness	
			Crazing Resistance Water Absorption	
		Ceramic Products	Modulus of Rupture	
			Breaking Strength	
			Scratch Hardness	
			Resistance to staining	1
			Resistance to householder	old
			Resitance to Acid/Alka	ali
			Penetration	
			Softening point	
			ductility	
		Bitumen	specific gravity	
			solubility in trichloroetl	hylene
	_ ,		flash point (Open Cup	ı)
	T-1545		Penetration	
			Softening Point	l é 4lauc = -1
			Elastic recovery of halin	п инеаа
			ductilometer	
		rubber Modified	Elastic recovery of hal	If thread
		Bitumen	in	
			ductilometer after thin	film
			Oven	
			Specific gravity	hylono
			solubility in trichloroet	
			flash point (Open Cup	·)
			Tensile strength	
			L/T Direction	
		Water Proofing	Elongation L/T Direction	
		Membrane	Tear strength	
			L/T Direction	
			Low Temp. Flexibility	
			Water Absorption	
			•	

	Glue Adhesion test
	End Immersion test
F	Knife test
Flush door Shutte	
	Straightness
	Squareness
	local planeness
	Impact Indentation test
	Flexure test
	Edge loading test
	Shock resistance test
	Buckling test
	Slamming test
	Misuse test
	varying humidity test
	Screw withdrawl test
	Dimensions
	Glue Adhesion test
	Modulus of Rupture
	Water Resistance test
	Mycological test
	Glue shear test
Plywood/Shutterin	Tensile strength parallel to
ire retardant / Mar	Topoilo etroneth perpendicule
plywood / Wood	
Timber	to grain
	Moisture content
	density
	Glue shear test
	Fire resistane test
	-flammability test
	- Rate of burning
	- Flame penetration
	Proctor test
	Liquid limit
	Plastic limit
	CBR Value
Soil	
0011	Direct shear test
	Cohesion Intercept C Value
	Internal friction Value
	internal inction value
	Moisture content
	Elongation
	Tensile strength
	Yield stress / 0.2 % proof
	IBend
	Bend
	Re bend
TMT /Poinforcom	Re bend Mass
TMT (Reinforceme	Re bend Mass
TMT (Reinforcement steel)	Re bend Mass Bond requiremnet
,	Re bend Mass Bond requiremnet (N/mm²/mm)
,	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension
,	Re bend Mass Bond requiremnet (N/mm²/mm)
,	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension
,	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement
,	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test
steel)	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force
Structurar steevr- ।	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation
Structurar steen + 1 & steel tubes/	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm²
Structural steel/Fig. & steel tubes/wire/Fastners/Bolt	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2
Structurar steen + 1 & steel tubes/	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof ,
Structural steel/Fig. & steel tubes/wire/Fastners/Bolt	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2
Steel) Situctural steen Fig. & steel tubes/wire/Fastners/Bolt crews &	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm²
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous 8
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous & non ferrous)
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous 8 non ferrous) SiO2
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous & non ferrous)
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous 8 non ferrous) SiO2 Loss on ignition
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous 8 non ferrous) SiO2 Loss on ignition Al ₂ O ₃
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous 8 non ferrous) SiO2 Loss on ignition
Steel) Structurar steen + 1 & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous 8 non ferrous) SiO2 Loss on ignition Al ₂ O ₃ Fe ₂ O ₃
Structurar steep Fig. & steel tubes/wire/Fastners/Bolt crews & studs & Ferrous Non ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous 8 non ferrous) SiO2 Loss on ignition Al ₂ O ₃ Fe ₂ O ₃ CaO
Structurar steen Fig. & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous Nion farrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous & non ferrous) SiO2 Loss on ignition Al ₂ O ₃ Fe ₂ O ₃ CaO
Structurar steep Fig. & steel tubes/wire/Fastners/Bolt crews & studs & Ferrous Non ferrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous & non ferrous) SiO2 Loss on ignition Al ₂ O ₃ Fe ₂ O ₃ CaO MgO
Structurar steen Fig. & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous Nion farrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous & non ferrous) SiO2 Loss on ignition Al ₂ O ₃ Fe ₂ O ₃ CaO MgO SO ₃
Structurar steen Fig. & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous Nion farrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous & non ferrous) SiO2 Loss on ignition Al ₂ O ₃ Fe ₂ O ₃ CaO MgO
Structurar steen Fig. & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous Nion farrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous 8 non ferrous) SiO2 Loss on ignition Al₂O₃ Fe₂O₃ CaO MgO SO₃ Insoluble Residue
Structurar steen Fig. & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous Nion farrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous & non ferrous) SiO2 Loss on ignition Al₂O₃ Fe₂O₃ CaO MgO SO₃ Insoluble Residue Total chloride
Structurar steen Fig. & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous Nion farrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous & non ferrous) SiO2 Loss on ignition Al₂O3 Fe₂O3 CaO MgO SO3 Insoluble Residue
Structurar steen Fig. & steel tubes/ wire/Fastners/Bolt crews & studs & Ferrous Nion farrous	Re bend Mass Bond requiremnet (N/mm²/mm) - Rib area by dimension Measurement Pull out test Total elongation at max force Elongation Tensile Strength N/mm2 Yield stress / 0.2 % proof , N/mm2 Hardness tesst Impact tets Nbend Dimension test Mass. Kg Brinell hardness (for ferrous & non ferrous) SiO2 Loss on ignition Al₂O₃ Fe₂O₃ CaO MgO SO₃ Insoluble Residue Total chloride

	İ	ĺ	1		1	0.0
						SiO ₂
						Loss on ignition
						Moisture
						Al_2O_3
						Fe ₂ O ₃
				Pozollana Material		CaO
				(Fly ash)		MgO
				(Fly asil)		SO ₃
					Chemical Testing	
						SO ₃
						Total Chloride
						Sodium oxide (Na ₂ O)
						Potassium Oxide (K ₂ O)
						pH
				Compresso and mainture		Dry Material Content
				Concrete and mixture		Ash Content
						Relative density
						Chloride ion content
						Chloride
				ardened Concrete		Sulphate
				and aggregat		Sodium oxide
						Potassium Oxide
						Moisture
				Micro Silica		Loss on ignition
				c.c omoa		SiO ₂
						Total Alkalis
				Bentonite		рН
				Construction water		Total dissolved solid
				Construction water		Organic Matter
						Inorganic matter
						Alkalinity
						Acidity
						Total suspended solid
						pH
						Chloride
						Sulphate
						pH Value
						Chloride content
				Concrete (Admixture)		Ash Content
						Dry Material Content
						Relative density
						Alkali Reactivity
				Aggregate (Coarse &		Reduction Alkalinity
				Fine)		Soluble silica
				i iiio)		Organic Matter
						Coal & Ignite
						Lime (Calcium Oxide)
						Iron Oxide Content
						Alumina Oxide
				Cement (OPC, SRPC	nent (OPC, SRPC & HAC)	Silica
				& HAC)		Loss on Ignition
						Insoluble Residue
						Sulphuric Anhydride
		Plot No. 1134, Mahanadi				Magnesium Oxide
	Orbital	Vihar, Post-Naya Bazaar,			Chemical Testing	Lime (Calcium Oxide)
	Infrastructure	Cuttack, Odhisha				Iron Oxide Content
16	Consultancy and	0671- 2443408/ 2443588	T-2774			Alumina Oxide
	Research Private	mobile +91-9937250239,		Portland Slag		Silica
	Limited	+91-9776153401		Cement		Loss on Ignition
						Insoluble Residue
						Sulphuric Anhydride
						Magnesium Oxide
						Lime (Calcium Oxide)
						Iron Oxide Content
						Alumina Oxide
				Portland Pozzolana		Silica
				Cement		Loss on Ignition
						Insoluble Residue
						Sulphuric Anhydride
						Magnesium Oxide
				Bitumen		Mineral Matter (Ash Conter
				Dituffieri		Solubility in carbon trichloroethylene
						pH Value
	Ĩ	1		Soil		Total soluble sulphate
						. Star Sorabio Surpirate
						Organic Matter
						Organic Matter Calcium Carbonate

	Reinforcement steel		Carbon
	bar		Sulphur
	24.		Phosphorous
			Tensile strength
			Yield stress
	Steel (Reinforcement		Elongation test
	Steel)		Bend test
			Re Bend test
			Unit Weight
			Fineness by dry sieving by 90
			micron
			Fineness by Blains air
			permeability method
	Cement (OPC / PSC		Consistency
	/ PPC / SRPC / HAC)		Setting time
			Soundness (Le-chatelier test
			Compressive strength
			Density
			·
			Density
			Finess by dry sieving 45 micron
			Fineness by Blains air
	Pozzolana		permeability method
			Lime reactivity
			Soundness by autoclave
			Compared compressive
		Marit	strength
		Mechanical	Grading
		Testing	Soundness
			Flakiness Index
			Elongation index
			Angularity number
			Deleterious Material
			Clay lumps
			Finer than 75 micron
			Clay, fine silt & fine dust
	Coarse aggregates		Bulk density
			Specific gravity & water
			absorption
			Surface moisture
			Crushing value
			10% fines value
			Impact value
			Los angeles abrasion value
			Stripping value
			Grading
	1		Soundness
			Soundness
			Specific gravity & water
	Fine aggregate		Specific gravity & water absorption
	Fine aggregate		Specific gravity & water absorption Bulk density
	Fine aggregate		Specific gravity & water absorption
	Fine aggregate		Specific gravity & water absorption Bulk density
	Fine aggregate		Specific gravity & water absorption Bulk density Deleterious Material
	Fine aggregate		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron
	Fine aggregate		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust
	Fine aggregate		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture
	Fine aggregate		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content
	Fine aggregate		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking
	Fine aggregate		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content
	Fine aggregate		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking
	Fine aggregate		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength
			Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence
			Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density
			Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension
			Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving
	Bricks		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength
			Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness
	Bricks		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time
	Bricks		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness
	Bricks		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time
	Bricks		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density
	Bricks Building lime		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density Water content
	Bricks		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density Water content Compressive strength
	Bricks Building lime		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density Water content Compressive strength Flexural strength
	Bricks Building lime		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density Water content Compressive strength Flexural strength Workability
	Bricks Building lime		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density Water content Compressive strength Flexural strength Workability bleeding
	Bricks Building lime		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density Water content Compressive strength Flexural strength Workability
	Bricks Building lime		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density Water content Compressive strength Flexural strength Workability bleeding
	Bricks Building lime		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density Water content Compressive strength Flexural strength Flexural strength Workability bleeding Slump test
	Bricks Building lime Admixture		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density Water content Compressive strength Flexural strength Workability bleeding Slump test Compacting factor test Flow test
T-2775	Bricks Building lime Admixture		Specific gravity & water absorption Bulk density Deleterious Material Clay lumps Finer than 75 micron Clay, silt & fine dust Surface moisture Silt content Bulking Compressive strength water absorption Efflorescence Bulk density Dimension fineness by dry seiving Compressive strength Soundness Setting time Consistency / Workability Relative density Water content Compressive strength Flexural strength Workability bleeding Slump test Compacting factor test

Į.			İ]	Moisture content
				Timber		Specific gravity
						Softening point
						Penetration test
						Ductility test
						Marshall stability test
				Ritumon		Hardness
				Bitumen		Specific gravity
,						Absolute viscosity
						Kinematic viscosity
			1			Flash point by open cup
ļ						Flash point by close cup
						Residue by seiving on 600
						micron
ļ						Sayboltfural viscosity
				Bitumen emulsion		coagulation of emulsion
				Ditumen emuision		Miscibility with water
ļ						
						Coating ability
ļ						Storage stability
]	Paver block		Water absorption
ļ			1	0 1 5: 1		Compressive strength
]	Concrete Block		Water Absorption
						Block density
ļ			1			Compressive strength
,						Dimension
ļ			1	Tile		Water Absorption
]	Paving Mixture		Binder content
ļ			1			Specific gravity
						Grainsize analysis
ļ			1			Sieve Analysis
						Sedimentaion Analysis
						Atterbergs limit
						Liquid limit
						Plastic limit
			1			Moisture content
						Direct shear test
						Unconfined compression test
				Soil		Triaxial compression test
				3011		Odeometer consolidation test
						Permeability test by falling
						head method
						Linear shrinkage method
						Light compaction test
						Heavy compaction test
						Free swell index (DFS)
ļ			1			California bearing ratio test
ļ]			Relative density test
						Shrinkage limit
			1			Bulk density
]	Natural building		water absorption
]	stone		Compressive strength
,					-	Specific gravity
ļ			T-3784	Reinforced Concrete		
			. 57.54	solutions	testing	Ultra sonic pulse velocity
						Dimension
,						Determination of resistance to
ļ			1			compression
						Determination of bulk density
,						Determination of bulk density
						under
						specified load
ļ			1			Determination of moisture
		2, Kalkaji Industrial Area, New Delhi-110019				absorption
_	Pibco Ltd R & D	Tel. 011-26215735 ,	L	Testing of insulation		Determination of setting due to
17	Centre	8800465678	TC-5219	Material	Mechanical	vibration
,	Jenne	pibcornd@gmail.com ,		Material		and jolting
,		info@pibcornd.com				
ļ			1			Determination of water vapour
ļ						permenance
İ						Determination of fiber diameter
		ĺ		i	l	Determination of shot content
						Determination of shot content
						Determination of recovery after compression

	1	l	I	I	1	
						Test for thermal conductivity
						Incombustibility tost
						Incombustibility test
						Test for maximum
						reccomended
						temperature
						Compressive properties
						Hot surface performance
				Thermal Insulation		linear shrinkage
				material		
						Maximum Service temperature Heat stability
						LOI
						Al ₂ O ₃
						CaO Cl
						Fe ₂ O ₃
				Cement		IR MgO
						SiO ₂
						SO ₃
						Total Alkalies as Na ₂ O
						LOI
		Mr. Devang Gandhi				
		Plot No. 5/6, Shantinath Silk				Al ₂ O ₃
		Mills lane, Near				Available Alkalies as Na₂O
	Pollucon	Navjivan Circle				CaO
18	Laboratories Pvt.	Opp. Balaji Industrial	TC-5945	Elycoh	Chemical Testing	Cl
	Ltd.	Society UM Road		Fly ash		
		Surat -395007				Fe ₂ O ₃
		Cell No.: +91 9328967090 Email :- pollucon@gmail.com				MgO
						SiO ₂
						SO ₃
						-
				Concrete		Chlorides
						Sulphates
					-	Alkali Aggregate Reactivity
				Aggregate		Chlorides
				35 5		Organic Impurities
						Sulphates
						Ash Content
						Chlorides
				Admixture		Dry Material Content
						pH
						Relative Density
		Anand VS-Customer				Sieve Analysis
19	SGS India Private	Co-Ordinator (080		Coarse Aggregate	Mechanical	Specific Gravity
	Limited	65627818)		July 1 1991 Ogale	Testing	Water Absorption
		Sajulal G-Lab Manager				Aggregate Impact Value
						Aggregate Crushing Value
						Sieve Analysis
				Fine Aggregate		Specific Gravity
				, igg. ogaio		Particle finer than 75 micron
				Concrete cubes		Compressive Strength
				Controlle Gubes		Consistency
						Initial Setting Time
						Final Setting Time
				Cement		Fineness (Blaine's Method)
		Narayanan K- Quality	T 2900			
		Manager (080 65627818)	T - 2899			Compressive Strength
		- ` '/				Soundness (Le-Chatelier
						Method)
				Concrete Solid		Water Absorption
				Blocks		Compressive Strength
				2.000		Block Density
						Weight / Meter
						Yield Stress
				Poinforcement Cta-1		Ultimate Stress
				Reinforcement Steel		Elongation
						Bend Test
						Re-bend test
	Shyam Steel	Mr. Surajit Dasgupta		Hot rolled steel Bars	Mechanical	Tensile test, % Elongation,
20	Industries Limited	Mob - 9903944053	T - 2747	& HSDS	testing	Bend Test,
	Q.C laboratory	WIOD - 9903944033		bars	iesiiig	Rebend Test & mass/meter
				+		Tri Axial
						Wet Sieve Analysis
						Specific Gravity
						Liquid limit
4	l .	I	I	1	l	=-q=-0 mm.

21	Snow Fountain Group	Office:5/259 (HIG) Vikas Nagar Lucknow. Phone: 0522-4047624 (O); 09415001208(M), 9005444786		Soil	Mechanical testing	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 dry density of soils in place by sand replacement method dry density of soils in place by core - cutter
				Bricks		method Dimensions and tolerances of burnt clay building bricks Compressive strength of burnt clay building bricks Efflorescence of burnt clay building bricks
			T-3781	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 then 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	SiO ₂

İ	1	i	i i	
				CaO
				MgO
				Mn_2O_3
				P_2O_5
				TiO ₂
				IR
				Sulphide Sulphur
				SiO ₂
			01:	Al_2O_3
			Chinaclay	Fe ₂ O ₃
				TiO ₂
				LOI
				SiO ₂
				Al_2O_3
			Pozzolanic Materials	Fe ₂ O ₃
			(Fly ash	CaO
			,Micro silica)	MgO
			, ,	SO ₃
				Available Na ₂ O
				Available K ₂ O
				Cl
				SiO ₂
				Al_2O_3
				Fe ₂ O ₃
			Fire bricks	TiO ₂
				CaO
				MgO
				Na₂O
				K ₂ O
				Chlorides
			Concrete	Sulphates
				Chlorides
			Aggregates	Sulphates
			Aggregates	Alkali Aggregate Reactivity
				Dry Material Content
				Chlorides
			Admixture	Ash Content
			Admixture	pH
				Relative Density
				pH
				Conductivity
				Water Content
				Organic Matter
			Soil	Cation Exchange Capacity
			00	Total Kjeldahl Nitrogen
				Phosphorus as P
				Water soluble Sulphate
				Water soluble Chloride
				Calcium Carbonate
			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/P roduct	Salt Spray Tests (NSS)/CASS/ASS
				Tensile Test
	İ			Ultimate Tensile Strength
			I	
			1	
				Yield stress / 0.2% proof stress
				Elongation
				Elongation Young's Modulus
				Elongation Young's Modulus Hot Tensile
				Elongation Young's Modulus Hot Tensile Fracture Test
				Elongation Young's Modulus Hot Tensile

				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
		Metals (Ferrous & Non Ferous)	Mechanical Testing	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
				Hydrogen Induce Cracking Coating Thickness
				Static Tensile Test
		Reinforcement		Tensile Strength
		Couplers		Elongation Slip Test
				Breaking Load
				0.2% Proof Load
		Seven Ply Strand for		Area of Strand Mass of Strand
		pre- stressed		Nominal Dia of Strand
		concrete (H.T.S. Wire)		Lay Length
		- /		Elongation Modulus of Elasticity
				Relaxation Test
				Consistency
				Initial Setting Time Final Setting Time
				Compressive Strength
		Cement (OPC, PPC,		Fineness Blaine
		PSC)		Soundness (Le-chatelier) Soundness (Autoclave)
				Drying Shrinkage
				Density
	TC-5492			Fineness by dry sieving Fineness (Specific Surface) Blaine's
				Particle retained on 45 micron
		Pozzolana Material (Fly Ash)		Density
		(i ly Aoil)		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
		Aggregates (Coarse	Water Absorption
		& Fine)	Specific Gravity
			Bulk Density
			Silt & Clay (Fine Dust)
			Deleterious Material
			Clay Lumps
			Coal & lignite
			Material Finer Than 75µ IS
			Sieve
			Abrasion Value
		1	(Los Angeles Method)
			Organic Impurities
		Bricks (Burnt Clay	Compressive Strength
		Bricks, Pulverized	Water Absorption
		Fuel,Ash Lime	Efflorescence
		Bricks)	Dimension
		,	Moisture Content
			Specific Gravity
		Stone	Hardness Mohs Scale
		(Marble/Granite)	App. Porosity
		[` ']	Compressive Strength
			Modulus of Rupture
			Water absorption
			Water Permeability
			Rapid Chloride Permeability
			Test
		Concrete	Compressive Strength
		1	Flextural Strength
		1	
		 	Drying Shrinkage
			Liquid Limit
			Sand Content
		Bentonite	Free Swelling
			pH Value
			Density
			Wet Transverse Test
			Water absorption
			Resistance to wear
		Tiles (Cement	Dimensions
		Concrete Flooring	Differisions
		Tiles)	Thickness of Wearing - Laye
			Flatness
			Perpendicularity
			Straightness
			Wet Transverse Test
			Water absorption
		Tile - (Oh d	Resistance to wear
		Tiles (Chequerred	Dimensions
		Cement Concrete Tiles)	Thickness of Wearing - Laye
		11100)	Flotnoss
			Flatness
		1	Perpendicularity
			Straightness
		<u> </u>	Crazing
		Tiles (Ceramic Tiles)	Chemical Resistance
			Scratch Hardness
1			Penetration
1		Bitumen	Flash Point
1		Bitumen	Specific Gravity
1		1	Softening Point
1			Viscosity
<u>I</u>			Ductility Test
		 	
		Wood (Timber)	Moisture Content
		` ′	Specific Gravity
		Ply Wood	Density
		Ply Wood	Moisture
		Ply Wood	
			Moisture Compressive Strength
		Ply Wood Paver Block	Moisture Compressive Strength Dimensions
			Moisture Compressive Strength Dimensions Water Absorption
			Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance
			Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension
		Paver Block	Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension Block Density
		Paver Block Autoclaved Celluler	Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension
		Paver Block Autoclaved Celluler (Aereated) Concrete	Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension Block Density Compressive Strength
		Paver Block Autoclaved Celluler	Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension Block Density Compressive Strength Drying Shrinkage
		Paver Block Autoclaved Celluler (Aereated) Concrete	Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension Block Density Compressive Strength Drying Shrinkage Moisture Content
		Paver Block Autoclaved Celluler (Aereated) Concrete	Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension Block Density Compressive Strength Drying Shrinkage Moisture Content Thermal Conductivity
		Paver Block Autoclaved Celluler (Aereated) Concrete	Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension Block Density Compressive Strength Drying Shrinkage Moisture Content Thermal Conductivity Dimension
		Paver Block Autoclaved Celluler (Aereated) Concrete Blocks	Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension Block Density Compressive Strength Drying Shrinkage Moisture Content Thermal Conductivity Dimension Block Density
		Paver Block Autoclaved Celluler (Aereated) Concrete Blocks Hollow & Solid	Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension Block Density Compressive Strength Drying Shrinkage Moisture Content Thermal Conductivity Dimension Block Density Compressive Strength
		Paver Block Autoclaved Celluler (Aereated) Concrete Blocks	Moisture Compressive Strength Dimensions Water Absorption Abrasion Resistance Dimension Block Density Compressive Strength Drying Shrinkage Moisture Content Thermal Conductivity Dimension Block Density

			•	i .		
						Moisture Movement
						Water Content
						Slump
						Time of Setting, Allowable
						variation from
						control sample
				Admixture		Initial
				Admixture		Final
						Compressive strength Flextural strength
						Length change
						Bleeding
						Air content (By Density
						Method)
						Light Compaction
						Heavy Compaction
						Liquid Limit
					Plastic Limit	
				Soil		CBR Test
						Dry Seiving
						Wet Seiving
						Shrinkage limit
						Free swelling Index
				Concrete Pile		Pile Integrity Test
						Ultrasonic Pulse Velocity
				Concrete	NDT Testing	Cover Meter
						Crack depth measurement
						Rebound Hammer Half Cell Potentiometer
						Carbonation Test
						Capo Test
			T-0832	Non Conductive		capo i con
				Protective		
				Coating on		Holiday Testing
				Conductive		
						Consistency
				Cement		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
		S-1, GNEPIP, Surajpur		A a a a a a a a		Bulk Density
		Industrial Area Phase-V.		Aggregates		Material Finer than 75 Micron
23	Spectro Analytical	Kasna, Greater Noida	T-3984		Mechanical	
	Labs Limited	Ph: 011-40522000 Email: qa@spectrogroup.com umesh@spectro.in			Testing	Abrasion Value
						(Los Angeles)
						Sieve Analysis (% Passing)
						Water Absorption
						Specific Gravity
						Soundness
						Bulk Density
1						Material Finer than 75 Micron
						Dimension Block Density
				Autoclaved Celluler		Compressive Strength
				Concrete Blocks,		Moisture Content
				Autoclaved Aerated Concrete Blocks		Drying Shrinkage
				Concrete Blocks		Fire Test (up to 1200°C)
						(3 Mtr X 3 Mtr X 1.2 Mtr)
						Light Compaction (MDD/OMC)
				Soil		Heavy Compaction
						(MDD/OMC)
						Liquid Limit Plastic Limit
ı	I	I	I	1		i idolio Elittit

	1	1	1	I	1	
						CBR Test
						Grain Size Analysis-Wet
						Seiving
						Free Swelling Index
				Concrete		Compressive Strength
						Compressive Strength
				Building Bricks		Water Absorption
						Dimension
						Loss on Ignition
						Alumina (as Al ₂ O ₃)
						Silica (as SiO ₂)
				Cement (OPC, PPC,		Iron Oxide (as Fe ₂ O ₃₎
				PSC)		Sulphuric Anhydride (as SO ₃₎
						Lime (as CaO)
						Magnesia (as MgO)
						Chloride (as CI)
			T-3983		Chemical Testing	Insoluble Residue
					J	Water Soluble Chlorides
				Concrete		Sulphates
						Water Soluble Chlorides
				Aggregates		Sulphates
				59.094.00		Alkali Aggregate Reactivity
						Dry Material Content
						Ash Content
				Admixture		pH
						Relative Density
						Chlorides
						Acidity
						Alkalinity
						Calcium
						Chlorides
						residual free chlorine
						colour fluorides
						Total hardness
						magnesium
	Star Wire (India)					Cadmium
24	Ltd. , Diagnostic	21/4, Mathura road,		Construction water	Chemical	Chromium
	Centre	Ballabgarh, Haryana		Construction water	Orientical	Hexavalent Chromium
	Commo					Copper
						Iron
						Lead
						Manganese
						silver
						aluminium
						Nickel sodium & potassium
						Zinc
						pH value
						Total dissolved solid
						Volatile (organic) solids
						Fixed (Inorganic) solid
						Nitrates - Nitrogen
						Conductivity
						Sulphates
						Turbidity
						Phenols
						Silica
						Loss on Ignition
						Oxide of silica
				Refractory material,		Alumina
				fire bricks & clay		Iron Oxide
				o shono a diay		Calcium Oxide
						Magnesium Oxide
						Titanium Oxide
						Iron Oxide
						Alumina Oxide
						Calcium Oxide
				Fly Ash		Magnesia
						Oxide of silica
						Sulphate
						Loss on Ignition
						Total Alkali
						Loss on Ignition
						Insoluble residue
1						Alumina
		1	I	ì	Ī	Iron Oxide
				Camairt 000 000		Silica
				Cement OPC PPC PSC		Silica Calcium Oxide

			Magnesium Oxide
			Sulphuric anhydride as SO ₃
			-
			Sulphide Sulphur
			Chlorides Chlorides
			pH value
	Admixture		Ash Content
	7 (3111)/(310		Dry material content
			Relative Density
	Soil		pH value
	3011		Total soluble sulphate
			Alkali Reactivity
	A		Dissolved silica
	Aggregate		Reduction in alkalinity
			sulphate Chlorides
			Sulphate
	Concrete		Chloride
			Water Absorption
			Dimensions
	Tile		Abrasion Value
	1110		Wet Transverse strenth
			Modulus of rupture
	A -i-li-t til- /		Breaking strength
	Acid resistance tile / bricks		Water Absorption
			Bulk density
	Fire clay refractory		Cold crushing strength
			Water Absorption
	Common burnt / fly		Compressive strength
	ash bricks		Efflorescence
			Dimensions
			Flakiness Index
			Elongation Index
			Sieve Analysis
			Water Absorption Specific Gravity
			Bulk density
			•
	A ====================================		Material finer than 75 micron
	Aggregate		Impact Value
			Crushing Value
			10% fine value
TC-5164			
TC-5164		Mechanical	deleterious materials
TC-5164		Mechanical testing	L.A. Abrasion value
TC-5164			L.A. Abrasion value Organic Impurities
TC-5164			L.A. Abrasion value Organic Impurities Soundenss
TC-5164			L.A. Abrasion value Organic Impurities Soundenss Stripping Value
TC-5164	Concrete / Core		L.A. Abrasion value Organic Impurities Soundenss
TC-5164	Concrete / Core		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test
TC-5164	Concrete / Core		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability
TC-5164	Concrete / Core		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption
TC-5164			L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity
TC-5164			L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity
TC-5164			L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity
TC-5164			L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity
TC-5164			L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity
TC-5164	Stone		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron
TC-5164	Stone		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve
TC-5164	Stone		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave
TC-5164	Stone		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry
TC-5164	Stone Fly Ash		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent Specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method
TC-5164	Stone Fly Ash		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM ,
TC-5164	Stone Fly Ash Timber		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC
TC-5164	Stone Fly Ash		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM ,
TC-5164	Stone Fly Ash Timber		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC Bitumen Penetration test
TC-5164	Stone Fly Ash Timber		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC Bitumen Penetration test Softening point (R & B) Ductility Elastic Recovery
TC-5164	Stone Fly Ash Timber		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC Bitumen Penetration test Softening point (R & B) Ductility Elastic Recovery Consistency
TC-5164	Stone Fly Ash Timber Bitumen		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC Bitumen Penetration test Softening point (R & B) Ductility Elastic Recovery Consistency Setting Time
TC-5164	Stone Fly Ash Timber Bitumen Cement (OPC, PPC,		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC Bitumen Penetration test Softening point (R & B) Ductility Elastic Recovery Consistency Setting Time Fineness by blain's
TC-5164	Stone Fly Ash Timber Bitumen Cement (OPC, PPC, Slag cement, White		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC Bitumen Penetration test Softening point (R & B) Ductility Elastic Recovery Consistency Setting Time Fineness by blain's permeability method
TC-5164	Stone Fly Ash Timber Bitumen Cement (OPC, PPC,		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC Bitumen Penetration test Softening point (R & B) Ductility Elastic Recovery Consistency Setting Time Fineness by blain's permeability method Soundness by autoclave
TC-5164	Stone Fly Ash Timber Bitumen Cement (OPC, PPC, Slag cement, White		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC Bitumen Penetration test Softening point (R & B) Ductility Elastic Recovery Consistency Setting Time Fineness by blain's permeability method Soundness by autoclave Soundness by autoclave
TC-5164	Stone Fly Ash Timber Bitumen Cement (OPC, PPC, Slag cement, White		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent Specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture contents from DBM, BC, SDBC Bitumen Penetration test Softening point (R & B) Ductility Elastic Recovery Consistency Setting Time Fineness by blain's permeability method Soundness by autoclave Soundness by Le-Chatlier Compressive strength
TC-5164	Stone Fly Ash Timber Bitumen Cement (OPC, PPC, Slag cement, White		L.A. Abrasion value Organic Impurities Soundenss Stripping Value Flexural strength Compressive strength / Core test Durability water absorption Apparent Porosity Apparent specific gravity Lime reactivity Specific Gravity Fineness by blain's permeability method particle retained on 45 micron sieve Soundness by autoclave Moisture content by oven dry method Bitumen contents from DBM , BC, SDBC Bitumen Penetration test Softening point (R & B) Ductility Elastic Recovery Consistency Setting Time Fineness by blain's permeability method Soundness by autoclave Soundness by autoclave

	1	i	1	1	r	-
						Time of setting
						Compressive strength
				Admixture		Flexural strength
						Length Change
						Bleeding
						Loss of workability
						Air content (%)
						Liquid limit
						Plastic limit
						California bearing ratio Sieve Analysis
						Determination of water content
				Soil (Site & land)		proctor density test Direct shearing testing
						Field Density test (sand
						replacement
						method & core cutter method)
						One dimension consolidation
						Tri Axial (UU)
				Concrete	Non-Destructive Test	Re-bound hammer Ultrasonic pulse velocity test
 				TMT Bar		Rebend Test
1	Subodh	R-968, M.I.D.C. Rabale,			Mechanical	Moisture content
25	Technologists	Navi Mumbai,	T-0629	Timber & Plywood	testing	Specific gravity
	roomiologicio	Maharshtra		Timber a riyweed	ເຮຣແກ່ຽ	Shear strength parallel to grains
				HSD Bars		Weight per meter
		Mr. Rajesh Chiney		Structural Steel,		Tensile test (UTS, YS, %E and
	TUVR Heinland India Pvt Ltd	Country Head, Material Testing Plot No.17B, Electronics City,Phase 2, East Wing, Hosur Road, Bangalore 560100	TC 5688	Stainless		%RA) Bend
20				Steel, Cast Iron	Mechanical	Test Charpy Impact Test
26					Testing	
				Microstructures		Hardness (BHN, Rockwell, Vickers)
						Sieve Analysis
						Finer than 75 micron
	Unique Engineering Testing & Advisory	216, Bridge Road No. 6-F, New Estate, Udhyog Nagar, Udhna, Surat, Gujarat 0261-2278205 , 0261-2278310 ,		Fine Aggregate	Mechanical Testing	Specific Gravity water
						Absorption
27						Bulk Density
	Services					Soundness by soudium
		9824116103				Sulphate
		0021110100		Coarse Aggregate		Sieve Analysis
				33 3		Elongation
						Flakiness Index
						Water Absorption
						Specific Gravity
						Bulk Density Ten percent fine value
						Abrasion value
1						Impact value
1						Crushing value
1						Soundness by soudium
1						Sulphate
						Specific Gravity
						Penetration
				Bitumen		Softening Point
1						Ductility
						Kinematic Viscosity
				-		Absolute Viscosity Marshall Stability
I						Flow Value
1				Asphalt Mix		Bulk Specific Gravity
1						Density
1						Binder Content
				Burnt clay		Dimension
				Building Brick &		Compressive strength
				Burnt Clay Fly Ash		Water Absorption
				Building Brick		Efflorescence
				Autoclave Cellular		Dimensions
				(Aerated) Concrete		Block density
				Blocks		Compressive strength
I						Drying Shrinkage Water Absorption
						Compressive strength
						Abrassion resistance
1						tensile splitting strength
i	İ	ı	I	i	İ	

			Paving Block	Flexural Strength / Breaking
				load
				Dimension & Tolerance Thickness of wearing layer
				Plan Area
			Concrete Manhole	Dimension
			cover &	Load
				Fineness dry sieve
				Fineness by specific surface by blain air
				permeability
			Cement (OPC,	Soundness by le-chatlier
			PPC,SRC,PSC)	Consistency
				Initial Setting Time
				Final Setting Time
				Compressive strength Specific Gravity
				Compressive strength
			Concrete	Flexural Strength
			-Core/Cylinder/Cube	Slump
				split Tensile strength
			Thin-bed mortar for AAC block	Splitting tensile strength
				Fineness by specific surface by
				bain air
				permeability
			Fly ash/Pozzolana	Lime Reactivity Compressive strength
				Specific strength
				Fineness by seiving
				Soundness by le-chatlier
				Initial and final setting time
				Flatness of surface Perpendicularity
			Plain & Chequered	Straightness
			concrete tile	Water Absorption
				Wet Transverse Strength
				Resistance to wear
				Water Absorption Flexural strength
			Ceramic Tiles /	Breaking Strength
		T-2300	pressed ceramic	Dimension
		1-2300	(vitrified) tiles	Straightness
				Rectangularity
				Flatness Ultimate Tensile strength
				0.2% Proof stress
			Reinforcement & Structural Stee	Percentage Elongation
			Structural Stee	Rebond
				Bend
				water content specific gravity - fine grained
				soil
				specific gravity - coarse grained soil
				Grain size Analysis -
				1) Dry
				2) Wet
			Clays and soils	3) Hydrometer
				Liquid limit / Plastic Limit Shrinkage Limit
				light compaction MDD
				OMC
				Unconfined Compression
				Strength
				Triaxial (UU) Cohesion Friction Angle
				Direct Shear Cohesion
				Fiction Angle
				California Bearing Ratio
				Consolidation
				Compression Index Cc
i e				Free swell Index
				Sweling Pressure Relative Density
			1	
				Laboratory Permeability
				Laboratory Permeability Dry Density of soil in place by

				Soil at Site		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
28	Universal Test House	VIJAI P. MISHRA C-200/140, Indra Nagar Lucknow - 226016 MOB. NO 9415410246,8004950301 Email :- universaltesthouse@gmail.	T-3236	Soil	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
		com		Coarse Aggregate Fine aggregate		Grading (Residue of sieves) Impact Value Water absorption Specific Gravity Fineness Modulus Specific Gravity
				Brick		Bulk Density Length Width Height Water absorption Efflorescence Compressive strength
				Cement		Consistency Setting Time Compressive strength