BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA -1000 DEPARTMENT OF CIVIL ENGINEERING

Committed to Quality Assurance for Better Bangladesh

APPROVED RATES FOR TESTING OF MATERIALS AND SERVICES

Rates include VAT (15%), University Overhead (30%) & Laboratory Development and Maintenance

Department of Civil Engineering reserves the right to change the rates at any time without any prior notice

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BRTC Office Time: Sat to Wed => 9:00 am - 5:00 pm & Thu => 9:00 am - 2:00 pm

Transportation Engineerineering Laboratory

SI. No.	Name of Tests	Test Rate (Tk.)	SI. No.	Name of Tests	Test Rate (Tk.)
	Aggregates (Sample Preparation Charge Tk. 2000 per Sa				
1	Sieve analysis (CA) / Gradation /FM (CA) Upto No.4	7,500	1	Specific gravity (Sp.Gr.)/ Density	5,800
2	Sieve analysis (CA) / Gradation (Base/subbase)	12,000	2	Penetration	5,800
3	Sieve analysis / Gradation / FM (CA) (Ballast)	9,600	3	Naphta Xylene Equivalent (500 for chem)	24,500
4	Sieve analysis / Gradation / FM (CA) (Ballast)/Specified Sieve size	12,700	4	Flash & Fire Points	5,800
5	Sieve analysis (FA) / FM	4,200	5	Solubility (500/- for Chem.)	5,500
6	% finer than # 200 sieve by washing / Fine content/Silt content	4,200	6	Ductility (300/- for Chem.)	5,500
7	Aggregate Crushing Value(ACV)	8,500	7	Softening Point (R&B) (300/- for Chem.)	5,500
8	Aggregate Impact Value (AIV)	7,400	8	Thin Film Oven (TFO) / Loss-on-Heating (LOH)	7,100
9	Ten Percent Fine Value (TFV)	12,700	9	Float Test	5,800
10	Angularity number including specific gravity (Sp.Gr.)	10,600	10	Foaming Test	5,800
11	Elongation Index (EI)	9,600	11	Spot Test (200/- for chem)	5,800
12	Flakiness Index (FI)	8,800	12	Viscosity (Dynamic) (200/- for chem)	21,200
13	L.A. Abrasion of CA (ASTM C131)	8,500	13	Ash Content / Inorganic Matter	10,500
14	L.A. Abrasion of Ballast (ASTM C535)	8,800	14	Any test on residue from LOH/TFOT (if TFOT/LOH included separately)	10,600
15	Unit weight of aggregate (CA)	5,500	15	Any test on residue from LOH/TFOT (if TFOT/LOH not included separately)	17,800
16	Unit weight of aggregate (FA)	5,000	16	Coating & Stripping test with/without Anti-Stripping Agent/Dose	8,100
17	Soundness with Na ₂ SO4 (4400/- for chemical)	21,200	17	Asphalt Concrete Mix Design (Marshall)*	89,700
18	Soundness with Mg ₂ SO4 (6600/- for chemical)	23,400	18	Particle Charge Test of Bitumen Emulsion	6,100
19	Absorption and Specific Gravity / Density	7,500		Asphalt or Bituminous Material / Pavement Co	re
20	Clay lumps & friable particles	6,300		(Sample Preparation Charge Tk.3000 per Sample	e)
21	Moisture Content	3,200	19	Bitumen content	18,000
22	Percentage of Uncrushed Particle (Fractured face)	9,600	20	Extracted Aggregate Gradation (If Bitumen Content is included)	11,700
23	Mica Content of Coarse Sand / CA by visual observation	16,600	21	Extracted Aggregate Gradation ONLY	28,600
24	Effect of organic impurities (1300/- for chem)	19,200	22	Water Content	11,500
25	Organic impurities/Salt content / Sulphate content / Salinity (Checmical 500) (300/- for chem)	5,000	23	Theoretical Maximum Specific Gravity	8,500
26	Bulking of sand (Multi Point)	16,500	24	Density	4,200
27	Void Ratio / Porosity / Moh. Hardness	8,500	25	Marshall Stability and Flow Test	7,500
28	CBR of Base or Sub-base material	65,800	26	In-situ core cutting (per sample)	11500+Field Visit
29	Standard Proctor test of aggregate (MDD)	26,500	27	Job Mix Formula & Marshall Test	144,000
	Modified Proctor or Vibrating Hammer	43,500	28	TSR (Tensile Strength Ratio) Test	90,000
	Potential Alkali-Silica Reactivity of Aggregates (Chemical Method) C289	30,000	29	RTFO	20,000
	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method) C1260	36,000	30	Binder CS (DSR)	20,000
	Coal & Lignite (CA)	30,000	31	RTFO CS (RTFO + DSR)	40,000
	Coal & Lignite (FA)	20,000	32	MSCR	50,000

Concrete Laboratory

2 Crushing strength(ASTM / BS Stand; 300/400/- capping mat.) 5500 / 8600 3 Size & shape (ASTM / BS Standard) 3,100 / 3,100 4 Unit Weight (ASTM / BS Standard); 200/300 for S.P.C. 4,300 /5,700 5 Efflorescence (needed 10 additional bricks) 5,500 Hollow / Special Brick Block / Kerb (Set of 3 Nos.) 1 Comp. strength of Hollow bricks / Paving Block 4,000 2 Compressive strength of Road Kerb Stone (with core cutting) 7,200 3 Absorption 2,800 4 Unit weight 4,800						
2 Crushing strength(ASTM / BS Stand; 300/400/- capping mat.) 5500 / 8600 3 Size & shape (ASTM / BS Standard) 3,100 / 3,100 4 Unit Weight (ASTM / BS Standard); 200/300 for S.P.C. 4,300 /5,700 5 Efflorescence (needed 10 additional bricks) 5,500 Hollow / Special Brick Block / Kerb (Set of 3 Nos.) 1 Comp. strength of Hollow bricks / Paving Block 4,000 2 Compressive strength of Road Kerb Stone (with core cutting) 7,200 3 Absorption 2,800 4 Unit weight 4,800		Bricks/Concrete Blocks (Bricks needed for ASTM = 5 Nos., BS = 10 Nos.)				
3 Size & shape (ASTM / BS Standard) 3,100 / 3,100 4 Unit Weight (ASTM / BS Standard); 200/300 for S.P.C. 4,300 /5,700 5 Efflorescence (needed 10 additional bricks) 5,500 Hollow / Special Brick Block / Kerb (Set of 3 Nos.) 1 Comp. strength of Hollow bricks / Paving Block 4,000 2 Compressive strength of Road Kerb Stone (with core cutting) 7,200 3 Absorption 2,800 4 Unit weight 4,800	1	Absorption (ASTM / BS Standard)	2,500 / 4800			
4 Unit Weight (ASTM / BS Standard); 200/300 for S.P.C. 4,300 /5,700 5 Efflorescence (needed 10 additional bricks) 5,500 Hollow / Special Brick Block / Kerb (Set of 3 Nos.) 1 Comp. strength of Hollow bricks / Paving Block 4,000 2 Compressive strength of Road Kerb Stone (with core cutting) 7,200 3 Absorption 2,800 4 Unit weight 4,800	2	Crushing strength(ASTM / BS Stand; 300/400/- capping mat.)	5500 / 8600			
5 Efflorescence (needed 10 additional bricks) 5,500 Hollow / Special Brick Block / Kerb (Set of 3 Nos.) 1 Comp. strength of Hollow bricks / Paving Block 4,000 2 Compressive strength of Road Kerb Stone (with core cutting) 7,200 3 Absorption 2,800 4 Unit weight 4,800	3	Size & shape (ASTM / BS Standard)	3,100 / 3,100			
Hollow / Special Brick Block / Kerb (Set of 3 Nos.) Comp. strength of Hollow bricks / Paving Block 4,000 Compressive strength of Road Kerb Stone (with core cutting) 7,200 Absorption 2,800 Unit weight 4,800	4	Unit Weight (ASTM / BS Standard); 200/300 for S.P.C.	4,300 /5,700			
1 Comp. strength of Hollow bricks / Paving Block 4,000 2 Compressive strength of Road Kerb Stone (with core cutting) 7,200 3 Absorption 2,800 4 Unit weight 4,800	5	Efflorescence (needed 10 additional bricks)	5,500			
1 Comp. strength of Hollow bricks / Paving Block 4,000 2 Compressive strength of Road Kerb Stone (with core cutting) 7,200 3 Absorption 2,800 4 Unit weight 4,800						
1 Comp. strength of Hollow bricks / Paving Block 4,000 2 Compressive strength of Road Kerb Stone (with core cutting) 7,200 3 Absorption 2,800 4 Unit weight 4,800						
2 Compressive strength of Road Kerb Stone (with core cutting) 7,200 3 Absorption 2,800 4 Unit weight 4,800		Hollow / Special Brick Block / Kerb (Set of 3 Nos.))			
3 Absorption 2,800 4 Unit weight 4,800	1	Comp. strength of Hollow bricks / Paving Block	4,000			
4 Unit weight 4,800	2	Compressive strength of Road Kerb Stone (with core cutting)	7,200			
	3	Absorption	2,800			
5 Autoclaved Concrete Block 6,000	4	Unit weight	4,800			
	5	Autoclaved Concrete Block	6,000			

	R.C.C Pipes			
1	Pipes (dia up to 600mm)	7,500		
2	Pipes (dia above 600mm and up to 900mm)	8,500		
3	Pipes (dia above 900mm and up to 1200mm)	11,000		
4	Pipes (dia above 1200mm and up to 1524mm)	14,000		
5	In-situ pipe testing (Per Nos)	12,000		
	Manhole Covers +			
1	Load & wt. test on manhole covers (<18 inch or 450 mm Dia)	8,500		
2	Load & wt. test on manhole covers (>18 inch or 450 mm Dia)	9,500		
	Miscellaneous			
1	Initial Rate of Absorption/Suction for Brick	3,600		

Note: + Pipe specimens & manhole covers have to be taken away by the Client, immediately after the test is performed.

	Cement Concrete				
1	Concrete cylinders (100x200mm), for a set of 3 Nos.(Density Test 10000/=)	2,500			
2	Concrete cylinders (150x300mm), for a set of 3 Nos.	4,500			
3	Cubes (< 200mm), for a set of 3 Nos.(Density Test 15000/=)	3,800			
4	Cubes (200mm - 300mm), for a set of 3 Nos.	4,500			
5	Cubes (>300mm), each core cutting & testing (300/- for fuel)	7,200			
6	Concrete Spun, for a set of 3 Nos.	4,000			
7	Concrete beam in flexure, for a set of 3 Nos.	10,000			
8	Concrete slab in flexure, for a set of 3 Nos.	14,000			
	Concrete Mix Designs				
9	Concrete mix design without admixture(Cylinder) (22,000+52,000)	74,000			
10	Concrete mix design with admixture (Cylinder) (25,000+57,000)	82,000			
11	Concrete mix design without admixture (Cube) (25,000+57,000)	82,000			
12	Concrete mix design with admixture (Cube) (28,000+62,000)	90,000			
	Destructive and NDT Tests				
13	In-Situ core cutting & testing per sample (without scanning) (S.P.C. 200/-)	6,800 +*			
14	In-Situ core cutting & testing per sample (with quick scanning) (S.P.C. 400/-)	14,000 +*			
15	In-Situ Hammer Test - per spot / location (min. 3 tests)	7,000 +*			
16	In-Situ Winsor Pin Test - per spot / location (min. for 3 tests)	6,500 +*			
17	In-Situ Scanning (quick & Image) per spot / location (for 2 scans)	14,000 +*			
18	In-Lab Block/Kerb core cutting & testing per sample (S.P.C. 300/-)	7,200+			
19	In-Lab Supplied Core Testing (per core) (SPC 300/-)	3,000+			

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	Cement (ASTM / AASHTO Standard)					
1	Compressive strength, 3, 7 & 28 days (1000/- Ottowa Sand) (S.P.C. 1,000/-)	11,400				
2	Setting time	4,800				
3	Fineness with Density	8,000				
4	Setting time (only)	5,200				
5	Normal Consistency (only)	3,200				
6	Density / Sp.Gr.	4,500				
7	Weight of cement bag	800				
	Cement (EN Standard)					
1	Compressive Strength, 2 & 28 days (Ottowa Sand: 600/-)	30,000				
2	Compressive Strength 2, 7 & 28 days (Ottowa Sand: 800/-)	38,000				
1	Cement - Soundness	12,000				
2	Mix Design - Rapid Chlorde Premeability	75,000				
3	Slum Retention	200,000				
4	R.C.P.T	50,000				
5	Aggregate Drying Shrinkage	50,000				

		S. M. L	abor	atory
	Calibration		П	A. Ro
1	Pressure gauge / Dial Gauge	6,000	1	1
2	Calibration of Hydraulic Jack (up tp 300 ton) with Pressure Gauge Calibration	44,000	1 1	
3	Calibration of Hydraulic Jack (up tp 1000 ton) with Pressure Gauge Calibration	74,000	1 1	Tension test inc. wt. & elor
4	Proving ring (< 100 kN)	7,000		Tension test inc. wt. & elon
5	Proving ring (100 kN to 500 kN)	8,000	5	Bend test (up to 25mm)
6	Proving ring (> 500 kN)	9,500	6	Bend test (above 25mm)
7	Dynamometer	11,500	7	Re-bend test (up to 25m
8	Compression / TensionTesting Machine (with one dial)	20,000	8	Re-bend test (above 25r
9	Calibration of Concrete Mix Batching Plant	350,000	9	Deformation Measureme
	Balance and Weight		10	Elongation at 5D as per IS
10	Electronic Balance up to 20kg / Platform Scale / Balance	11,000	11	Stress-strain Curves (mod
11	CA measuring potable fara / Measuring cub	5,700	12	Shear Test for Rod (S.P.C
12	Control (Control (Con	14,500	13	Shaft Rod < 30 mm
13		11,000	14	Shaft Rod > 30 mm <50
14	Balance up to 300kg	16,000	15	Shaft Rod > 50 mm < 60
15	3 ** 3	21,000		
16	Balance above 1000kg	32,500	17	
	Cement Testing Apparatus		18	
17	Mixture Machine (Mortar cube & setting)	9,700	∙	Welded MS Bar Tension
18	3 3	15,000	∙	Coupler Tension test wit
19	The state of the s	7,600	1 -	
20		9,700	1 -	B. Bolt, Angle
21	Cylinder/Cube Mould Calibration	2,900	1 1-	Anchor Bolt/ Hooks Tension te
	Curing Tank	6,100	1 —	
23	'	2,400		` ' '
	Survey Equipment		25	
14		15,700	1 1	
	Level	12,100		Anchor Bolt/Bolt/Hooks She
26	Total Station	43,100	28	3
27	Miscellaneous Equipment / Devices Vernear Scale/ Micro meter	2,500	1 —	-
28		2,500	-	-
29		4,000		
30	Sieve	4,000		
31		18,000	. —	·
	Outside Laboratory / In-situ Calibration		1	C. Rod
32	Compression / TensionTesting Machine (with one dial)	20,000 +*	35	Scaffolding / Steel Props
33	Protable Weighing Bridge	18,500	36	
	Tiles (Set of 5 Nos.)		37	3
1	Size & shape	2,500	38	Fibre Glass Stainers / Pip
2	Absorption (with flexural needs additional 5 Nos.)	3,500	-	Fibre Glass Compressio
3	Flexural / Modulus of Rupture	3,500		Spring test (for a set of 1
	Rubber / Plastic / PVC Materials		4 ⊩	Aluminium Column Com
1	Tension, for a set of 5 samples	3,500	. ⊢	2 Dog Spike
2	Hardness, for 1 sample	2,500		Bond/Weld Test or Rod
3	Flexural, for a set of 5 samples	4,600	1 1-	MS Box Welding Compr
4	Compression, for 1 sample	4,600	1 1-	Butt Welded Joint
5	Compression stiffness, for 1 sample	6,500	1 1-	Prestressing 12 Wire An
6	Water Stopper - Tension, Dim., Elongation (S.P.C. 1000/-)	7,500	1 1-	- · · · · · · · · · · · · · · · · · · ·
7	Water Stopper - Sp. Gr. / Hardness	6,000	1 1	(construction of the cons
	Truck Scale Calibration		49	
1	Capacity: 0-20 ton	175,000	1 —	O Plate Bend (T-1200 & LC -
2	Capacity: 0-40 ton	215,000	1 -	1 Sleeper Test (D.G)
3	Capacity: 0-60 ton	260,000	1 —	2 Sleeper Test (B.G)
4	Capacity: 0-80 ton	315,000	1 -	3 Sleeper Test (M.G)
	·			
5	Capacity: 0-100 ton Wire Rope 1 Nos.	375,000 5000	• -	4 Stress Relaxation Test For 5 Stress Relaxation Test For

010	litory	
	A. Rod (Set of 3 Nos.)	
1	Tension test including wt. & elongation (up to 25mm)	2,500
2	Tension test incl. wt. & elongation (above 25mm & up to 32mm)	3,700
3	Tension test inc. wt. & elongation (above 32 mm & up to 50 mm)	4,500
4	Tension test inc. wt. & elongation (above 50 mm) (S.P.C. 6,000/-)	10,800
5	Bend test (up to 25mm)	1,200
6	Bend test (above 25mm)	1,300
7	Re-bend test (up to 25mm)	1,700
8	Re-bend test (above 25mm)	1,900
9	Deformation Measurement	3,000
10	Elongation at 5D as per ISO 6935-2 per Set	2,000
11	Stress-strain Curves (mod.of elasticity)(for Strand : 12,800/-)	13,000
12	Shear Test for Rod (S.P.C. as per rod dia 1200/ 2,000/-)	2,500
13	Shaft Rod < 30 mm	4,000
14	Shaft Rod > 30 mm <50 mm (S.P.C. 4000/-)	10,500
15	Shaft Rod > 50 mm <60 mm (S.P.C. 5000/-)	11,500
16	Shaft Rod > 60 mm <80 mm (S.P.C. 5000/-)	12,500
17		
	H.T. Wire, Tension test Strand / Cable Tension test	10,000
18		16,200
		7500 / 10000
20	Coupler Tension test without EMF 3 Nos / 5 Nos Per set	7500 / 10000
21	Coupler Tension test witht EMF 3 Nos / 5 Nos Nos Per set	17500 / 200000
	B. Bolt, Angle and Plate (Set of 3 Nos.)	
22	Anchor Bolt/ Hooks Tension test (up to 25 mm) (S.P.C. 1000/-) (if required)	5,800
23	Anchor Bolt/ Hooks Tension test (above 25 mm) (S.P.C. 1000/-) (if required)	7,000
24	Bolt Tension Test (up to 25mm)	4,000
25	Bolt Tension Test (above 25mm) (S.P.C. 1000/-)	6,800
26	Anchor Bolt/Bolt/Hooks Shear Test (up to 25mm) (S.P.C. 1000/-)	4,100
27	Anchor Bolt/Bolt/Hooks Shear Test (above 25mm) (S.P.C. 2,000/-)	6,200
28	Angle/Plate/Sheet Pile/Joist Tension test (up to 16mm) (S.P.C. 1,500/-)	5,200
29	Angle/Plate/Sheet Pile/Joist Tension test (above 16mm up to 30mm) (S.P.C. 2,000/-)	6,300
30	Angle/Plate/Sheet Pile/Joist Tension test (above 30mm) (S.P.C. 2,500/-)	6,900
31	Sheet Pile/Joist wt. per meter & Thickness (S.P.C. 1,000/-)	3,400
32	Sheet Pile/Joist Section Modulus/Moment of Inertia (S.P.C. 2,000/-)	20,000
33	Hardness test (Rockwell) (S.P.C. 1,000/-)	4,500
34	Impact test, for a set of 3 Nos. (S.P.C. 1,000/-)	4,500
	C. Rod (Miscellaneous)	
35	Scaffolding / Steel Props / Jog (for a set of 1 No.)	14,700
36	Steel Sleeper (for a set of 1 No.) (S.P.C. 800/-)	7,400
37	Transverse Breaking Load of Rail (for a set of 1 No.)	27,200
38	Fibre Glass Stainers / Pipes Tension test (for a set of 3 Nos.)	5,400
39	Fibre Glass Compression test (for a set of 1 No.)	2,500
40	Spring test (for a set of 1 No.)	3,700
41	Aluminium Column Compression test (S.P.C. 2,000/-)	11,900
42	Dog Spike	8,800
43	Bond/Weld Test or Rod Lapping Test	6,200
44	MS Box Welding Compressive Strength (S.P.C. 3,000/-)	11,900
45	Butt Welded Joint	8,100
46	Prestressing 12 Wire Anchorage Test (50,000+80,000)	130,000
47	Prestressing 19 Wire Anchorage Test (55,000+88,500)	143,500
48	(for Retest of Prestressing Wire Anchorage, test fee will be one third)	
49	Test on Admixture (Mineral) for Cement/Concrete	Consult with teacher
50	Plate Bend (T-1200 & LC -1500)	2,700
_	Sleeper Test (D.G)	135,000
_	Sleeper Test (B.G)	115,000
_	Sleeper Test (M.G)	90,000
_	Stress Relaxation Test For 1000 Hours	287,500
-	Stress Relaxation Test For 100 Hours	115,000
56	Coupler Slip test (5 Nos. Per set)	12,000
50	Support one took to Hook For Soll	12,000

Geotechnical Engi		
(Soil Boring (Including relevant tests and Geotechnical Investigati	on Report)
	Per Borehole	
	Within Dhaka City - depth up to 20 m	80,000
	Within Dhaka City - depth up to 25 m	100,000
	Within Dhaka City - depth up to 30 m	135,000
	Outside Dhaka City: Consult with Teacher	
(No	ntes: Minimum 3 borings for a particular site;	
Gui	idelines : up to 3 katha - 3 Nos.; 3 - 5 katha - 5 Nos.; 6 - 10 kati	ha - 8 Nos.)
	Physical and Index Properties	
1	Specific gravity (Sp. Gr.)	2,300
2	Unit weight (wet & dry)	2,200
3	Void ratio (Sp. Gr. & Unit Weight.)	3,600
4	Moisture content	1,100
5	Linear shrinkage	2,200
6	Skrinkage limit	2,000
7	Liquid limit and Plastic limit	5,000
8	Liquid limit and Plastic limit of Bentonite	8,000
9	Grain size analysis by wash sieving/ % finer than # 200 sieve	3,800
10	Hydrometer and wash sieving (including specific gravity)	7,000
11	Organic matter content by Loss on Ignition Test	4,500
12	Sand equivalent test	4,800
	Compaction and Density Tests	
13	Maximum and Minimum density of cohesionless soil	9,000
14	Standard Proctor Compaction test	15,000
15	Modified Proctor Compaction test	20,000
	Permeability and Seepage Characteristics	
16	Permeability of cohesive soil by 1-dimensional consolidation	24,000
17	Permeability of cohesionless soil including Sp.Gr. (Falling Head Method)	11,800
	Consolidation and Swelling Characteristics	
18	One dimensional consolidation Cc,Cs,Cv (Only e - log p Tk. 17,000)	24,000
19	One dimensional consolidation (Cc, Cs, Cv) and Permeability (e - log k)	30,000
20	Swelling Pressure	13,000
21	Swelling Potential	10,000
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Ji	ineering Laboratory				
I	SI.	Name of Soil Tests	Test Rate		
ł	No	Chromath and Deformation Characteristics	(Tk.)		
1	_	Strength and Deformation Characteristics	10.000		
)	22	Unconfined compression test (including Sp. Gr.)	10,000		
)	23	Laboratory California Bearing Ratio (CBR) of soils	30,000		
		Direct Shear Tests			
	24	Consolidated Drained test for sand (including Sp.Gr.)	16,000		
	25	Consolidated Drained test for clay (including Sp.Gr.)	17,000		
)		Triaxial Shear Tests			
)	26	Consolidated Drained compression (including Sp.Gr.)	52,000		
)	27	Con. undrained compression test with pore pressure (including Sp.Gr.)	52,000		
١	28	Con. undrained compression test without pore pressure (including Sp. Gr.)	46,000		
)	29	Uncon. undrained compression test without pore press (including Sp. Gr.)	24,000		
)	30	Con. undrained extension test without pore pressure (including Sp. Gr.)	46,000		
)	31	Cyclic Triaxial Test (including Sp. Gr.)	400,000		
)		Geotechnical Tests (Field)			
)		Filed CBR per Location with field density (in addition Proctor/max-min density and			
)	32	sieve/Hydrometer tests are needed to be done - please consult wth respective	40.000 . *		
)	32	Teacher), Minimum total fees: within Dhaka City Tk. 1,50,000/-; Outside Dhaka	40,000 + *		
)		City 1.85 000: Near Districts Tk. 2.50 000/-, and Earthest Districts Tk. 3.00 000/-			

33	Field density test per spot (In addition Proctor/max-min density and sieve/Hydrometer tests are needed to be done - please consult wth respective Teacher), Minimum total fees: within Dhaka City Tk. 1,00,000/-; Outside Dhaka City Tk. 1,40,000/-; Near Districts 2,00,000/- and Farthest Districts 2,50,000/-	8,000 + *
34	Non-repetitive Plate Load Test per Location, Minimum total fees : within Dhaka City Tk. 1,75,000/-; Outside Dhaka City 2,15,000; Near Districts, Tk. 2,75,000/- and Farthest Districts Tk. 3,25,000/-	97,000 + *

Note: If field test is to be conducted in a restricted/specialized area, then the testing fee will be at least 1.5 times the specified fees.

	GEOTEX	TILES / GEOB
1	Thickness (10 specimens)	1,400
2	Unit Weight / Mass per Unit Area (3 specimens)	2,300
3	Apparent/Effective Opening Size (AOS/EOS)/Pore Size (3 specimens)	4,800
4	Strip/Wide-Width Tensile strength & elong) (5 specimens x 2-dir)	5,800
5	Grab Tensile Strength & Elongation (5 specimens x 2-dir)	4,800
6	Trapezoidal Tear Strength	4,800
7	Seam Strength (6 specimens)	4,800
8	Burst Strength	3,600
	ELASTOMERIC BEARING PAD	
1	Rubber Bearing Pad - Checking the dimensional variations - ASTM D4014; Clause 7	5,500
2(a)	Rubber Bearing Pad - Bearing compression test for compression stiffness - ASTM D4014; Clause 9	
2(b)	Rubber Bearing Pad - Short-term Compression Proof Load Test to 150% of design load and visual inspection under load using video extensometer -AASHTO 2002, 17th Edition, Clause 18.7.2.5, 18.7.4.5.6	109,250
2(c)	Rubber Bearing Pad - Long-term Compression Proof Load Test to 150% of design load and visual inspection under load using video extensometer-AASHTO 2002, 17th Edition, Clause 18.7.2.6, 18.7.4.5.7	
3	Durometer hardness test (Shore A)- ASTM D2240	3,700
4	Heat Resistance	5,000

AGS	(Set of 3 samples)	
9	Vertical Permeability under 2 kN/m ² and 200 kN/m ² Pressure	9,400
10	Vertical Permeability under 2 kN/m ² Pressure	5,800
11	Water Permeability by Permittivity/Velocity Index	4,800
12	Vertical Permeability under head loss of 50 mm	4,800
13	Horizontal Permeability Under 2kN/m ² Pressure (S.P.C. 500/-)	10,500
14	Index Puncture Resistance or CBR Puncture (10 specimens)	6,000
15	Cone Penetration	3,600
	EPOXY COATED REBAR	
1	Holiday Test (3 specimens, each 4m length)	1,500
2	Thickness Measurement Test (3 specimens, each 4m length)	2,000
3	Bend (Flexibility Test) (3 specimens, each 4m length)	1,500
4	Impact Test (3 specimens each 300mm length)	1,000

SI. No.	Name of Tests	Test Rate (Tk.)	SI. No.	Name of Tests	Test Rate (Tk.)
	Environ	mental En	gine	ering Laboratory	
	Tests on Water			Miscellaneous Water Quality Parameters	
	Routine Drinking Water Parameters (Package)		1	pH (Chemical 200/-)	700
1	рН	(2)	2	Colour (True or Apparent) (Chemical 200/-)	700
2	Colour (True or Apparent)	12,000 +3,000 = 15,000 (Drinking+As+TC/FC) 9,800 + 2,200 = 12,000 (Drinking+As)	3	Colour Scanning at Specific Wavelength/UV-VISRange (Chemical 200/-)	2,000
3	Turbidity	I+As- king-	4	Turbidity (Chemical 200/-)	700
4	Total Hardness	000 +3,000 = 15,000 (Drinking+As+TC/l 9,800 + 2,200 = 12,000 (Drinking+As)	5	Carbon-di-Oxide (CO ₂) / Acidity (Chemical 150/-)	600
5	Chloride (CI) Total Discolved Solide (TDS)	(Drii	6	P-Alkalinity/ M-Alkalinity/T-Alkalinity (Chemical 200/-)	700
6	Total Dissolved Solids (TDS)	= 12,	0	Carbonate (CO ₃) or Bi-carbonate (HCO ₃) + pH (Chemical 200/-)	900
	Manganese (Mn) Arsenic (As)	0 = 1	9	Total Hardness (Chemical 300/-) Ca - Hardness (Chemical 800/-)	3,200
9	Total Iron (Fe)	+3,00 10 + 2		Mg - Hardness (Chemical 800/-)	3,200
10	Total Coliform(TC)/Thermotolerent Coliform (TTC)	000,		Chloride (CI) (Chemical 250/-)	1,000
11	Fecal Coliform (FC)	12,	12	Fluoride (F) (Chemical 100/-)	800
	Environmental Quality of Soil, Sludge and Solids	;	13	Ammonia-Nitrogen (NH ₃ - N) (Chemical 400/-)	1,500
1	pH (Chemical 200/-)	1,500	14	Nitrate - Nitrogen (NO ₃ - N) (Chemical 250/-)	1,100
	Electrical Conductivity (Chemical 300/-)	1,500	15	Nitrite - Nitrogen (NO ₂ - N) (Chemical 250/-)	1,100
	Organic Matter Content by Loss on Ignition Test	5,000		Total Nitrogen (TN) (Chemical 1500/-)	12,000
	Water Soluble CI / Salinity/ PO ₄ / SO ₄ (each) (Chemical 400/-)	5,500		Total Kjeldahl Nitrogen (TKN) / Organic Nitrogen (Chemical 3,000/-)	16,000
5	Sodium Oxide / Silica (CA)	12,000	18	Chlorine Content - Total Cl ₂ (Chemical 250/-)	1,000
	Metal Analysis of Soil, Sludge and Solids following Total Extraction and / or TCLP		19	Chlorine Content - Free Cl ₂ (Chemical 250/-)	1,000
5	Total Extraction Charges (each sample) (Chemical 500/-)	3,000		Iodine Content (Chemical 200/-)	1,000
	TCLP Extractant Analysis	0.000		Bromine Content (Chemical 200/-)	1,000
	Ca/Cd/Co/Cr/Cu/Fe/Mg/Mn/Ni/Pb/Zn - using FLAAS (each) (Chemical 600/-) Arsenic (As) - using GFAAS (Chemical 600/-)	3,000		Break Point Chlorination (Chemical 1200/-) Total Solids (TS) (Chemical 100/-)	15,000 1,200
6	Mercury (Hg) - Cold Vapor Method (Chemical 1200/-)	3,000 6,000	23	Total Suspended Solids (TSS)/Insoluble Solids/(TSS+TDS+TS) (Chemical 500/-)	2,400
	Selenium (Se) - using GFAAS / Ba (Chemical 800/-)	5,000		Total Dissolved Solids (TDS) (Chemical 150/-)	1,200
	Na / K - using FLAAS (each) (Chemical 500/-)	4,000		Silica Content (SiO ₂) (Chemical 400/-)	1,800
7	Toxic Characteristics Leaching Procedure (TCLP) Charge (Chemical 1500/-)	7,000	27	Electrical Conductivity (EC) (Chemical 350/-)	700
	Extractant Analysis			Total Phosphorous (TP) (Chemical 700/-)	4,500
	Ca/Cd/Co/Cr/Cu/Fe/Mg/Mn/Ni/Pb/Zn - using FLAAS (each) (Chemical 600/-)	3,000		Orthophosphate (PO ₄) (Chemical 200/-)	1,200
8	Arsenic (As) - using GFAAS (Chemical 600/-)	3,000		Hydrogen Sulphide (H ₂ S) / Odour (Chemical 200/-)	1,100
	Mercury (Hg) - Cold Vapor Method (Chemical 1200/-)	6,000		Sulphate (SO ₄) (Chemical 200/-)	1,200
	Selenium (Se) - using GFAAS / Ba (Chemical 800/-)	5,000		Biochemical Oxygen Demand (BOD)-5 day (Chemical 400/-)	2,500
	Na / K - using FLAAS (each) (Chemical 500/-) Calorific Values of Sludge, Solids and Semi-Solids	4,000		Chemical Oxygen Demand (COD) (Chemical 600/-) Dissolved Oxygen (DO) (Chemical 400/-)	2,500 700
1	Calorific Values of Sludge/Solids/Semi-Solids	12,000		Boron (B) (Chemical 1,200/-)	3,500
	3	,		Manganese (Mn): UV - VIS (Chemical 500/-)	2,200
	Ambient Air Quality & Exhuast Emission Monitoring	g *	37	Aluminum (Al) (Chemical 500/-)	5,000
	Parameters			Silver (Ag) (Chemical 500/-)	5,000
	Ambient Air Quality Parameters			Arsenic (As) - using GFAAS (Chemical 600/-)	2,200
1	SPM (Chemical 1500/-), PM10, PM2.5 (Chemical 2500/-), CO, NO2, SO2, VOCs		40	Selenium (Se)/Barium (Ba) - using GFAAS (Chemical 900/ Ca/Cd/Cr/Cu/Fe/Mg/Mn/Ni/Pb/Zn - using FLAAS (each) (Chemical 500/-)	4,500
\vdash	Exhaust Emission Parameters	Please		Na / K - using FLAAS (each) (Chemical 400/-)	2,200 2,700
2	CO2, CO, O2, NO, NO2, SO2, CH4, NH3	contact us		Nickel (Ni) / Cobalt (each) (Chemical 1,000/-)	3,500
				Mercury(Hg)-Cold Vapour Method (Mini. 30 days required) (Chemical 1200/-)	5,000
匚			_	Cyanide (Cn) (Chemical 1000/-)	5,000
	Noise Level Monitoring *		_	Ferrous Iron/ Ferric Iron (Chemical 500/-)	3,000
	Minimum Fee (per 5 locations in one entity)	25,000	47	Total Organic Carbon (TOC) (Chemical 1000/-)	10,000
	Clibration of Noise Meter (per equipment)	6,000	_	Dissolved Organic Carbon (DOC) (Chemical 1500/-) Silt Density Index (SDI) with Plugging (Chemical 500/-)	11,000 15,000
Н	Field Sampling *		_	Sodium Absorption Ratio (SAR) (Chemical 1000/-)	6,500
1	Sampling for Bacteriological Analysis	10,000 + *		Langlier Saturation Index (Chemical 1000/-)	7,500
2	Sampling for Physical and Chemical Analysis	10,000 + *	52	Ryznar Index (Chemical 1000/-)	7,500
_				Aggressiveness / Corrosivity Index (Chemical 1000/-)	7,500
<u> </u>	TUBEWELL DESIGN			Puckorius Scaling index (Chemical 1000/-)	7,500
	Tubewell Design (depth up to 600'), incl. 8 Nos. sand test ^	20,000+18,000		Larson-Skold Index (Chemical 1200/-)	9,000
3	Tubewell Design (depth above 600'), Incl. 11 Nos. sand test ^	21,000+25,000		Oil & Grease (Chemical 3000/-)	15,000
5	Tubewell Design (depth above 1000'), Incl. 13 Nos. sand test ^	22,000+33,000		Total Silicon/Total Silica (SiO2) (Chemical 1000/-) Specific Gravity (Chemical 500/-)	7,000 4,000
H			50	BACTERIOLOGICAL ANALYSIS	4,000
Not	es:		1	Fecal Coliform (FC) / Total Coliform (TC) (each) (Chemical 500/-)	1,600
+++	Sampling charge may vary depending on the area to be samp	led	2	E. Coli (Chemical 1500/-)	4,000
	Cost depends on the client's requirements		3	Algae / Chlorophyll_a (Chemical 1500/-)	11,000
*	Usual field visit fees apply in addition to above				

SI.	Name of Toots	Test Rate
No.	Name of Tests	(Tk.)
	Miscellaneous Wastewater/Effluent Quality Parameter	S
1	pH (Chemical 200/-)	800
2	Colour (True or Apparent) (Chemical 200/-)	1,000
3	Colour Scanning at Specific Wavelength/UV-VIS Range (Chemical 200/-)	2,500
4	Turbidity (Chemical 200/-)	800
5	P-Alkalinity/ M-Alkalinity/T-Alkalinity (Chemical 200/-)	1,000
6	Carbonate (CO ₃) or Bi-carbonate (HCO ₃) + pH (Chemical 200/-)	1,300
7	Total Hardness (Chemical 300/-)	1,500
8	Ca - Hardness (Chemical 800/-)	3,800
9	Mg - Hardness (Chemical 800/-)	3,800
10	Chloride (CI) (Chemical 250/-)	1,400
11	Fluoride (F) (Chemical 100/-)	1,000
12	Ammonia-Nitrogen (NH ₃ - N) (Chemical 400/-)	2,000
13	Nitrate - Nitrogen (NO ₃ - N) (Chemical 250/-)	1,200
14	Nitrite - Nitrogen (NO ₂ - N) (Chemical 250/-)	1,200
15	Total Nitrogen (TN) (Chemical 1500/-)	12,000
16	Total Kjeldahl Nitrogen (TKN) / Organic Nitrogen (Chemical 3000/-)	16,000
17	Chlorine Content - Total Cl ₂ (Chemical 250/-)	1,100
18	Chlorine Content - Free Cl ₂ (Chemical 250/-)	1,100
19	Iodine Content (Chemical 200/-)	1,100
20	Bromine Content (Chemical 200/-)	1,100
21	Total Solids (TS) (Chemical 100/-)	1,400
22	Total Suspended Solids (TSS)/Insoluble Solids/(TSS+TDS+TS) (Chemical 500/-)	2,800
23	Total Dissolved Solids (TDS) (Chemical 500/-)	1,400
24	Silica Content (SiO ₂) (Chemical 400/-)	2,000
25	Electrical Conductivity (EC) (Chemical 350/-)	1,000
26	Total Phosphorous (TP) (Chemical 700/-)	5,000
27	Orthophosphate (PO ₄) (Chemical 200/-)	1,500
	Hydrogen Sulphide (H ₂ S) / Odour (Chemical 200/-)	1,200
29	Sulphate (SO ₄) (Chemical 200/-)	1,500
	Organic Matter (Chemical 300/-)	4,500
	Inorganic Matter (Chemical 300/-)	4,500
32	Biochemical oxygen Demand (BOD) - 5 day (Chemical 400/-)	3,000
33	Chemical Oxygen Demand (COD) (Chemical 500/-)	3,000
34	Dissolved Oxygen (DO) (Chemical 400/-)	1,200
35	Boron (B) (Chemical 1200/-)	4,000
36	Aluminum (Al) (Chemical 500/-)	5,500
37	Silver (Ag) (Chemical 500/-)	5,500
38	Arsenic (As) - using GFAAS (Chemical 600/-)	2,500
39	Selenium (Se) - using GFAAS / Ba (each) (Chemical 900/-)	5,000
40	Ca/Cd/Cr/Cu/Fe/Mg/Mn/Ni/Pb/Zn - using FLAAS (each) (Chemical 500/-)	2,500
41	Na / K - using FLAAS (each) (Chemical 400/-) Total Organic Carbon (TOC) (Chemical 1000/-)	3,500 11,000
42	Dissolved Organic Carbon (DOC) (Chemical 1000/-)	12,000
43	Oil & Grease	15,000
45	Total Silicon/Total Silica (SiO2)	7,000
-	Mercury	5,000
-	,	,
	BACTERIOLOGICAL ANALYSIS	
1	Fecal Coliform (FC) / Total Coliform (TC) (each) (Chemical 500/-)	2,300
2	Algae / Chlorophyll_a (Chemical 1500/-)	12,000

1	On-Site Measurement (pH, EC, DO, Turbidity)	
2	Solid & Organic Content (TS, TDS, TSS, VS, Fixed Solid, VSS, MC, COD, SCOD, BOD	Diagon contact up
3	Nutrient Contents (TN, NH3, NO2, NO3, TKN, TP, PO4	Please contact us
4	Anaerobic Disgestion related (Fe, Zn, Ni, Pb, VFA)	
5	Patogenes (E. Coli, FC, Helmeinths egg, Salmonella, Enterococci)	

CI		Tool Data
SI. No.	Name of Tests	Test Rate (Tk.)
NO.	Miscellaneous Saline Water (<i>EC > 5mS/cm</i>) Quality Para	
1	pH (Chemical 200/-)	800
2	Colour (True or Apparent) (Chemical 200/-)	1,000
3	Colour Scanning at Specific Wavelength/UV-VIS Range (Chemical 200/-)	2,500
4	Turbidity (Chemical 150/-)	800
5	Carbon-di-Oxide (CO ₂) / Acidity (Chemical 200/-)	700
6	P-Alkalinity/ M-Alkalinity/T-Alkalinity (Chemical 200/-)	1,000
7	Carbonate (CO ₃) or Bi-carbonate (HCO ₃) + pH (Chemical 200/-)	1,500
8	Total Hardness (Chemical 500/-)	2,500
9	Chloride (CI) (Chemical 500/-)	2,500
10	Fluoride (F) (Chemical 500/-)	2,500
11	Ammonia-Nitrogen (NH ₃ - N) (Chemical 800/-)	4,000
12	Nitrate - Nitrogen (NO ₃ - N) (Chemical 500/-)	3,000
13	Nitrite - Nitrogen (NO ₂ - N) (Chemical 500/-)	3,000
14	Total Nitrogen (TN) (Chemical 2000/-)	16,000
15	Total Kjeldahl Nitrogen (TKN) / Organic Nitrogen (Chemical	17,000
16	Chlorine Content - Total Cl ₂ (Chemical 300/-)	1,800
17	Chlorine Content - Free Cl ₂ (Chemical 300/-)	1,800
18	lodine Content (Chemical 300/-)	1,800
19	Bromine Content (Chemical 300/-)	1,800
20	Total Solids (TS) (Chemical 200/-)	2,000
21	Total Suspended Solids (TSS)/Insoluble Solids/(TSS+TDS+TS) (Chemical 500/-)	4,000
22	Total Dissolved Solids (TDS) (Chemical 200/-)	2,000
23	Silica Content (SiO ₂) (Chemical 500/-)	3,000
24	Electrical Conductivity (EC) (Chemical 500/-)	1,600
25	Total Phosphorous (TP) (Chemical 700/-)	5,000
26	Orthophosphate (PO ₄) (Chemical 300/-)	2,200
27	Hydrogen Sulphide (H ₂ S) / Odour (Chemical 300/-)	1,800
28	Sulphate (SO ₄) (Chemical 300/-)	2,000
29	Biochemical oxygen Demand (BOD) - 5 day (Chemical 500/-)	4,000
30	Chemical Oxygen Demand (COD) (Chemical 600/-)	5,000
31	Dissolved Oxygen (DO) (Chemical 400/-)	1,000
32	Boron (B) (Chemical 1200/-)	5,000
33	Aluminum (Al) (Chemical 500/-)	6,000
34	Silver (Ag) (Chemical 500/-)	6,000
35	Arsenic (As) - using GFAAS (Chemical 800/-)	4,000
36	Selenium (Se) - using GFAAS / Ba (each) (Chemical 1000/-)	5,500
37	Ca/Cd/Cr/Cu/Fe/Mg/Mn/Ni/Pb/Zn - using FLAAS (each) (Chemical 1000/-)	4,500
38	Na / K - using FLAAS (each) (Chemical 1000/-)	6,000
39	Mercury(Hg)-Cold Vapour Method (Mini. 30 days required) (Chemical 1500/-)	8,000
40	Total Organic Carbon (TOC) (Chemical 1000/-)	12,000
41	Dissolved Organic Carbon (DOC) (Chemical 1500/-)	14,000
42	Total Silicon/Total Silica (SiO2)	7,000
	BACTERIOLOGICAL ANALYSIS	
1	Fecal Coliform (FC) / Total Coliform (TC) (each) (Chemical 1500/-)	2 500
2	E. Coli (Chemical 1500/-)	2,500 6,500
3		
J	Algae / Chlorophyll_a (Chemical 1500/-)	13,500

	FINE AGGREGATE PARAMETERS	
1	Lightweight Particles in Aggregate/Coal and Lignite	20,000
2	Alkali-Silica Reactivity	25,000

	COARSE AGGREGATE PARAMETERS	
1	Lightweight Particles in Aggregate/Coal and Lignite	30,000
2	Alkali-Silica Reactivity	30,000

	ADMIXTURE PARAMETERS	
1	pH	3,000
2	Density/Specific Gravity	4,000
3	Ash	10,000
4	Dry Materials/ Solid Content	5,000
5	Chloride	20,000

SI. No.	Name of Tests	Test Rate (Tk.)
IVO.	GRP Board Sandwich Panel	(TK.)
1		5,100
1	Tensile Strength (5 Nos. from each Sample)	
	Tensile Modulus (5 Nos. from each Sample)	13,200
3	Flexural Strength (127 mm x 12.7 mm x 3.2mm; 5 Nos.)	5,100
4	Flexural Modulus (100 mm x 10 mm x 4mm; 5 Nos.)	13,200
5	Impact Strength (5 Nos. from each Sample)	5,100
6	Water Absorption (76.2 mm x 25.4 mm x 6mm; 3 Nos.)	3,400
	Consultancy on Pile Integrity	
Per Pile (see conditions a,b,c) (a) Minimum total fees: within Dhaka City - 75,000/-; Outside Dhaka City 1,15,000/-; Near Districts 1,50,000/- and Farthest Districts 1,75,000/- (b) Integrity tests be done on all piles for a structure (c) Pile load test be done on at least 1% of piles selected on the basis of integrity results		

SI. No.	Name of Tests	Test Rate (Tk.)
	Non-Asbestos Fibre-Cement Board	(****/
1	Modulus of Rupture (6" X 12")	
	2 Nos. Parallel to Fibre Lay from Same Sheet (S.P.C. 900/-)	7 000
	2 Nos. Perpendicular to Fibre Lay from Same Sheet	7,900
2	Modulus of Elasticity (6" X 12")	
	2 Nos. Parallel to Fibre Lay from Same Sheet (S.P.C. 900/-)	14,700
	2 Nos. Parpendicular to Fibre Lay from Same Sheet	14,700
3	Density (from MOR Test)	2,500
4	Size & Shape (5 Nos.)	3,400
5	Water Absorption (4" X 4"; 3 Nos. from Per Sheet) (S.P.C. 700/-)	3,500
6	Moisture Content (from MOR Test)	3,400
7	Water Tightness (24" X 20"; 3 Nos. One from each Sheet) (S.P.C. 700/-)	11,000
8	pH Value (from MOR Test)	1,300
9	Heat & Rain Wall Structures (5' X 4'; 2 Nos.; One from	33,400
Ť	each Sheet)	
Consultancy on Axial Pile Load Capacity		
	Test Supervision & Report (per pile):	
	Minimum total fees: within Dhaka City Tk. 1,35,000/-; Outside Dhaka City 1,75,000; Near Districts, Tk. 2,25,000/- and Farthest	1,07,000 + *

	Districts Tk. 2,50,000/-
	Various Consultancy Services
1	Land Survey (Plannimetric/Topographic/Contour) by Total Station and GPS
2	Cost Estimation of Civil Structures
3	Asset Evaluation of Civil Structures/Industries/Properties
•	
1	Design of Building, Bridges, Airport, Offshore Structures, Drainage Structures etc.
2	Structural Evaluation of Old Civil Structures without Drawings/Records
3	Quality Assurance (QA) of Civil Structures / Flat
4	Certification on Structural Stability of Civil Structures
5	Design Checking of various Concrete and Steel Structures
6	Investigation of Civil Engineering Projects
7	Assessment of Safety for Old Structures
8	Strengthening of Existing Structures
1	Environmental Site Assessment (e.g. for LPG plants, Power plants)
2	Environmental Impact Assessment (EIA) of Civil Engineering Projects
3	Environmental Monitoring of Civil Engineering Projects
4	Design of Solid Waste Disposal Systems
5	Design of Water and Wastewater Treatment Systems
6	Design of Iron Removal Plants
7	Plumbing and Sewer Systems Design
8	Solid, Hazardous and Industrial Waste Management and Pollution Control
9	Design of Water Supply System
10	Training on Water Quality, Water Supply and Sanitation
1	Design and Analysis of Shallow and Deep Foundations
2	Design and Analysis of Embankments
3	Design and Analysis of Earth Retaining Structures
4	Planning of Soil Investigation Programs
5	Planning and Design of Soil Improvement Schemes
6	Seismic Design of Foundation
7	Seismic Hazard Analysis
8	Microzonation Maps
1	Transportation Impact Assessment (TIA) of Civil Engineering Projects
2	Traffic Studies (Volume, O-D, Speed, Delay, Parking etc.)
3	Traffic Forecasting
4	Geometric and Structural Design of Pavements, Parking Lots etc.
5	Planning and Design of Inland Container Terminal/Depot (ICT / ICD)
6	Planning and Design of Airport Terminal
7	Design of Runway Pavement
8	Design of Road/Highways/Bridge/Culverts
9	Planning and Design of Flyover / Underpass / Interchange
10	Road Accident Investigation/Safety Measure/Road Safety Auditing
11	Development of Transportation Model

Training on Traffic Studies, Traffic Management, Transportation Planning, Traffic Safety