

River Research Institute

Soil, Material, Sediment and Chemical Testing Rate

Sl.No.	Name of Test	Rate per Samples in Taka
A)	Soil Tests	
1.	Specific Gravity (Gs.)	1725.00
2.	Natural Moisture Content	750.00
3.	Mechanical Analysis	
	a) Visual Inspection & Classification	
	(i) Disturbed Sample	300.00
	(ii) Undisturbed Sample	500.00
	b) Sieve Analysis	2850.00
	c) Hydrometer Analysis (Excluding Gs.)	2850.00
	d) Sieve & Hydrometer Analysis (Excluding Gs.)	5250.00
4.	Unit Weight	1500.00
5.	Loss-on-Ignition	3375.00
6.	Liquid Limit & Plastic Limit Combined	2475.00
7.	Shrinkage Limit	1275.00
8.	Consolidation Test (not excluding 6 loads + 2 unloads)	18750.00
9.	Direct Shear Test (3-point)	9750.00
10.	Triaxial Shear Test (for 3-specimen)	
	a) Unconsolidated Undrained	16500.00
	b) Consolidated Undrained (without P.P.)	31500.00
	c) Consolidated Undrained (with P.P.)	35250.00
	d) Consolidated Drained Test	35250.00
11.	Vane Shear Test	8500.00
12.	Unconfined Compression Test/Remolded UCT	6000.00
13.	a) Standard AASHO (4" diamould)	9000.00
	b) Standard AASHO (6" diamould)	9000.00
	c) Modified AASHO (4" diamould)	11250.00
	d) Modified AASHO (6" diamould)	11250.00
	e) Field Density per spot	4950.00+*
14.	a) Permeability Test for Non-Cohesive Soils	6375.00
	b) Permeability Test for Cohesive Soils	16500.00
15.	Density Index (I _d)	6000.00
16.	C.B.R. Test	16500.00
17.	Laboratory Boring Log (per sheet)	225.00
B)	CEMENT TEST	
1.	Normal Consistency	1950.00
2.	Setting Time	2925.00
	Compressive Strength(Making, Curing & Testing)	
3.	a) As per ASTM Specification	6750.00
C)	SAND TEST	
1.	Fineness Modulus (F.M.) of Sand	1650.00
2.	Salinity test of Sand	1725.00
3.	Soundness of sand (Chemical)	11250.00
4.	Unit Weight	1950.00
5.	Specific Gravity	2925.00

River Research Institute

Soil, Material, Sediment and Chemical Testing Rate

Sl.No.	Name of Test	Rate per Samples in Taka
6.	Organic Impurities	1725.00
D)	COARSE AGGREGATE	
1.	Machanical Analysis/ Gradation	2925.00
2.	Soundness (Chemical)	11250.00
3.	Los Angeles Abrasion Test	4050.00
4.	Unit Weight	2175.00
5.	Specific Gravity	2925.00
E)	BRICK TEST	
1.	Absorption (S.S.D. Basis)	1650.00
2.	Unit Weight	2925.00
3.	Compressive Strength as per ASTM Specification	3300.00
F)	CONCRETE TEST	
1.	Crushing Strength of 6"cube/6"x12" cylinder for one set of 3 nos.	2625.00
2.	Design of Trial Mix (Materials for trial mix to be supplied by the client)	45750.00
3.	In lab block/kerb per core cutting & testing	4800.00
4.	In lab supplied core testing (per core)	1875.00
G)	STEEL (for>60 grade rod-fees would be 25% higher)	
1.	Tension (Deformbar up to 25mm) for a set of 3 Nos	1725.00
2.	Tension (Plain bar up to 25mm) for a set of 3 Nos	1725.00
3.	Tension (Deform bar > 25mm) for a set of 3 Nos	2550.00
4.	Tension (Plain bar >25mm) for a set of 3 Nos	2550.00
5.	Bend test (up to 25mm) for a set of 3 Nos	825.00
6.	Rebend test (up to 25mm) for a set of 3 Nos	1125.00
7.	Bend test (above 25mm) for a set of 3 Nos	900.00
8.	Rebend test (above 25mm) for a set of 3 Nos	1275.00
9.	Stress-strain curves (Modulus of Elasticity) 3 nos	5925.00
10.	Deformation Measurement for a set of 3 nos	2250.00
H)	SEDIMENT TESTS	
1.	Sediment Concentration	825
2.	Specific Gravity	1725
	Mechanical Analysis by	
3.	a. Sieve	2850
	b. Hydrometer (Excluding Specific Gravity)	2850
	c. Sieve & Hydrometer Combined (Excluding Specific Gravity)	5250
	Organic Matter Content by Loss on Ignition Test	3375
	Particle Size Analysis by Particle Size Analyzer	6000
	Carbon+Hydrogen+Nitrogen by CHNS/O Analyzer	5000
	Carbon+Hydrogen+Nitrogen+ Sulfar/Oxygen by CHNS/O Analyzer	8000
I)	CHEMICAL TEST	
1	p ^H	375
2	Electrical Conductivity	525

River Research Institute

Soil, Material, Sediment and Chemical Testing Rate

Sl.No.	Name of Test	Rate per Samples in Taka
3	Color (True or Apparent)	375
4	Carbon-di-Oxide/Acidity	375
5	Carbonate/Bi-Carbonate	525
6	Alkalinity	450
7	Sulphate	600
8	Orthophosphate	750
9	Total Phosphorous	2775
10	Chloride	675
11	Fluoride	525
12	Chlorine Content Total/Free	600
13	Iodine Content	600
14	Bromine Content	600
15	Ammonia-Nitrogen	900
16	Nitrate-Nitrogen	675
17	Nitrite-Nitrogen	675
18	Total Nitrogen	4500
19	Salinity	525
20	Hardness	825
21	Ca-Hardness	2250
22	Mg-Hardness	2250
23	Turbidity	375
24	Total dissolved solid	825
25	Total solid content	825
26	Total Suspended/Insoluble Solids	825
27	Total Iron: UV-VIS	600
28	Ferrous Iron/Ferric Iron	1875
29	Silica Content	1125
30	Manganese: UV-VIS	1350
31	Boron	2250
32	Dissolved Oxygen	450
33	Biochemical Oxygen Demand	1500
34	Chemical Oxygen Demand	1500
35	Total Organic Carbon (TOC)	6750
36	Dissolved Organic Carbon (DOC)	7500
37	Arsenic (Kit Method)	350
38	Arsenic using GF-AAS	1350
39	Murcury-Cold Vapour Method	3000
40	Ca/Cd/Cr/Cu/Fe/Mg/Mn/Ni/Pb/Zn uning FL-AAS	1350
41	Sodium/Potassium (using FL-AAS)	1650
42	Carbon+Hydrogen+Nitrogen by CHNS/O Analyzer	5000
43	Carbon+Hydrogen+Nitrogen+ Sulfar/Oxygen by CHNS/O Analyzer	8000

River Research Institute

Soil, Material, Sediment and Chemical Testing Rate

* Field visit fee inside Faridpur =Tk. 9750.00, Near Districts= Tk. 25500.00 without overnight stay and Tk.20250.00 per day for overnight stay. Farthest District= Tk.33750.00 without overnight stay and Tk.26250.00 per day for overnight stay. Remote areas with overnight stay= Tk. 30000.00

[Transportation, local hospitalities accommodation (in-case of overnight stay) etc. are to be provided by the client]

** Charges includes 10% Printing and Binding Cost, 10% Testing and Consultancy Fee and 15% VAT.

***Chemical Tests are subject to availability of reagents and instruments.

****Tests out of this list can also be performed based on the availability of reagents and instruments. Please contact 30 days prior to test. Please contact Director, Geotechnical Research Directorate, RRI, Faridpur for conducting tests. **Contact: Phone:** 0631-62456; **Mobile:** 01557473954; **e-mail:** rribd@yahoo.com; **website:** www.rri.gov.bd; **Facebook:** www.facebook.com/rribd