

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.) | 1575.00 |
| 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 | 2025.00 |
| | c) Hydrometer Analysis (Excluding Gs.) | 2025.00 |
| | d) Sieve & Hydrometer Analysis (Excluding Gs.) | 3825.00 |
| 4. | Unit Weight | 1500.00 |
| 5. | Loss-on-Ignition | 2250.00 |
| 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 |

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| 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 | 675.00 |
| 2. | Specific Gravity | 1575.00 |
| | Mechanical Analysis by | |
| 3. | a. Sieve | 2025.00 |
| | b. Hydrometer (Excluding Specific Gravity) | 2025.00 |
| | c. Sieve & Hydrometer Combined (Excluding Specific Gravity) | 3825.00 |
| I) | CHEMICAL TEST | |
| 1. | pH | 300.00 |
| 2. | EC- value | 375.00 |
| 3. | Free Carbon-dioxide | 225.00 |
| 4. | Carbonate | 450.00 |
| 5. | Bi-Carbonate | 450.00 |
| 6. | Sulphate (Nephelometric/EDTA) | 450.00 |
| 7. | Chloride | 600.00 |

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| 8. | Nitrate | 450.00 |
| 9. | Salinity | 375.00 |
| 10. | Hardness | 600.00 |
| 11. | Sodium Chloride | 350.00 |
| 12. | Turbidity | 300.00 |
| 13. | Total dissolved solid | 675.00 |
| 14. | Total solid content | 675.00 |
| 15. | Calcium | 1125.00 |
| 16. | Magnesium | 1125.00 |
| 17. | Iron | 1125.00 |
| 18. | Silica | 750.00 |
| 19. | Manganese | 1125.00 |
| 20. | Boron | 2025.00 |
| 21. | Alkali metals as Sodium | 1275.00 |
| 22. | Dissolved Oxygen | 375.00 |
| 23. | Sodium | 1275.00 |
| 24. | Potassium | 1275.00 |
| 25. | Arsenic | 1125.00 |

** 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. 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