

Center for Research, Training, Testing and Consultation

Center for Research, Training, Testing and Consultation (CRTTC, UAP) can offer access to University's state-of-the-art laboratory equipment and facilities to companies of all sizes with a wide range of testing and analysis services. The high quality specialized equipment, machinery and tools can be hired with or without academic expertise whichever suits to your project. The services which we offer reflect the breadth and depth of University's research capabilities, from independent testing services to collaborative prototype generation. We have expert technicians, servicemen and staffs under the direct supervision of faculty members to carry out the tests and analysis. CRTTC undertakes research, testing and consultation works in the field of engineering, architecture and planning as required by private, government or autonomous bodies in order to achieve following objectives:

1. To enhance technical capabilities of the personnel
2. To broaden and sharpen the research abilities
3. To strengthen the engineering know-how in the department
4. To encourage future studies among students
5. To serve and help the laboratories, department and the University



Rates for Testing (updated February, 2016)



UNIVERSITY OF ASIA PACIFIC (UAP)
DEPARTMENT OF CIVIL ENGINEERING
CENTER FOR RESEARCH, TRAINING, TESTING AND CONSULTATION
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The Department of Civil Engineering reserves the right to change the rates at any time without any prior notice.

AGGREGATES		
Sl. No.	Name of the Test	Test Rate (Tk.)
1	Absorption Capacity and Specific Gravity	1,200
2	Angularity Number	1,500
3	Bulking of Sand	2,000
4	Elongation Index	1,200
5	Flakiness Index	1,200
6	Aggregate Impact Value (AIV)	1800
7	Aggregate Crushing Value (ACV)	2,000
8	10% Fine Value	2,000
9	Los Angeles Impact and Abrasion (Small Sized Aggregates, ASTM C131)	2,500
10	Los Angeles Impact and Abrasion (Large Sized Aggregates, ASTM C535)	2,500
11	Sieve Analysis (Small Sizes Coarse Aggregates)	1,200
12	Sieve Analysis (Large Sized Coarse Aggregates)	1,200

13	Sieve Analysis (Fine Aggregate)	1,000
14	Unit Weight of Aggregate	1,000
BRICKS		
1	Absorption capacity	800
2	Absorption Capacity and Specific Gravity	1500
3	Crushing Strength	1,500
4	Efflorescence	1,200
5	Size and Shape	800
6	Unit Weight	1,300
7	Weight per Brick	1000
BITUMEN		
1	Specific Gravity	1,200
2	Standard Penetration	1,200
3	Softening Point (R&B)	1,200
4	Solubility	1,200
CONCRETE		
1	Compressive Strength: Concrete Cylinder (100x200 mm) for a set of 3 nos.	1,000
2	Compressive Strength: Concrete Cylinders (150x300 mm) for a set of 3 nos.	1,500
3	Stress-Strain Curve of Concrete	4,500
	Deformation Measurement	2,000
4	Concrete Cylinders (casting and testing)	5,000
5	Design of Concrete Mixes	30,000
6	Design of Concrete Mixes (with admixture)	35,000
7	Compressive Strength: Cubes (<200 mm), for a set of 3 nos.	1,200
8	Compressive Strength: Cubes (200 to 300 mm), for a set of 3 nos.	1,500
9	Compressive Strength: Grout Cubes (<200 mm), for a set of 3 nos	1,250

10	Field Visit, Field Tests, and Identification of Causes of Cracking	Negotiable
11	Design of Repair Methodology	Negotiable
12	Carbonation of Concrete, per spot	2,500
13	Concrete Strength of Structural Members (hammer test), per member	2,500
14	In-Situ per core cutting & testing at lab (Per core)	7,000
15	In-Lab Supplied Core Testing (Per core)	1,400
CEMENT		
1	Compressive Strength (3,7,14, and 28 days)	4,800
2	Fineness	2,000
3	Setting Time	1,500
4	Normal Consistency	1,000
STEEL		
1	Tensile Strength (deformed bar up to 25 mm), for a set of 3 nos.	1,200
2	Tensile Strength (plain bar up to 25 mm), for a set of 3 nos.	1,200
3	Tensile Strength (deformed bar more than 25 mm), for a set of 3 nos.	1,800
4	Tensile Strength (plain bar more than 25 mm), for a set of 3 nos.	1,800
5	Tensile Strength (all sizes) of Welded rebars, for a set of 3 nos.	2,000
6	Impact, for a set of 3 nos.	1,000
7	Stress-Strain Curve, Modulus of Elasticity, for a set of 3 nos.	4,000
8	Spring Test, per specimen	1,500
9	Tension test of Angle / Plate; for a set of 3 nos	2,000
SOIL		
1	Liquid Limit, Plastic Limit	1,500
2	Compaction: Standard Proctor	3,200
3	Compaction: Modified Proctor	3,800
4	Moisture Content	400
5	Grain Size Analysis (Sieve Analysis)	1,200

6	Unconfined Compression Test	2,000
7	Maximum and Minimum Density of Cohesionless Soil	3,500
8	Unconsolidated quick test	2,500
9	One dimensional consolidation Cc, Cr, Cv	10,000
10	Hydrometer, wash sieving and specific gravity	2,500
TIMBER		
1	Moisture Content	400
2	Compressive Strength	1,400
3	Unit Weight	400

WATER QUALITY PARAMETER		
1	pH	400
2	Color	100
3	Turbidity	100
4	Alkalinity	500
5	Hardness	500
6	Carbon-di-Oxide (CO ₂)	300
7	Ammonia-Nitrogen (NH ₃ - N)	800
8	Nitrate - Nitrogen (NO ₃ - N)	650
9	Nitrite - Nitrogen (NO ₂ - N)	650
10	Total Solids (TS)	100
11	Total Suspended Solids (TSS)	100
12	Total Dissolved Solids (TDS)	100
13	Electrical Conductivity (EC)	100
14	Orthophosphate (PO ₄)	500
15	Sulphate (SO ₄)	500
16	Chloride (Cl)	400
17	Salinity	100
18	Biochemical Oxygen Demand (BOD) - 5 day	1000
19	Chemical Oxygen Demand (COD)	1000
20	Dissolved Oxygen (DO)	250
21	Iron	500
22	Free Chlorine	500
23	Arsenic	1000

+ Field visit inside Dhaka Tk 10,000.

+ Field visit outside Dhaka Tk 15,000.

Transportation is to be arranged by the client.

VAT (15%) is to be added with the prices.

Contact:

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