

## Center of Building Innovation and Technology, Material Testing Laboratory Fee Rate

Announced : 15 June 2011

### 1. Universal testing machine

| List  | Rate 1<br>(Baht) | Rate 2<br>(Baht) | Rate 3<br>(Baht) | Rate 4<br>(Baht) |
|---|------------------|------------------|------------------|------------------|
| 1. Compression strength                                 |                  |                  |                  |                  |
| 1.1 Cubic dimension $\leq 10 \times 10 \times 10$ cm    | 200              | 150              | 100              | 50               |
| 1.2 Cylinder dimension $\leq 10 \times 10 \times 10$ cm | 300              | 225              | 150              | 75               |
| 2. Flextural strength                                   |                  |                  |                  |                  |
| 2.1 Plate   | 200              | 150              | 100              | 50               |
| 2.2 Beam cross section $\leq 10 \times 10$ cm           | 400              | 300              | 200              | 100              |
| 3. Tensile strength                                     |                  |                  |                  |                  |
| 3.1 Metal and Metal composite material                  | 600              | 450              | 300              | 150              |
| 3.2 Fiber reinforced materials                          | 400              | 300              | 200              | 100              |

Remark : Maximum compression test rate 100 KN and maximum tension test rate 50 KN

### 2. Thermal Conductivity Tester

| List                         | Rate 1<br>(Baht) | Rate 2<br>(Baht) | Rate 3<br>(Baht) | Rate 4<br>(Baht) |
|------------------------------|------------------|------------------|------------------|------------------|
| 2.1 Thermal Conductivity, K  | 600              | 450              | 300              | 150              |
| 2.2 Thermal Resistance, R    | 600              | 450              | 300              | 150              |
| 2.3 Heat conduction, K and R | 1,000            | 750              | 500              | 250              |

Remark : Maximum sample piece length 20 cm x width 10-20 cm x thickness 2.5-4.0 cm

### 3. Acoustic Tester

| List   | Rate 1<br>(Baht) | Rate 2<br>(Baht) | Rate 3<br>(Baht) | Rate 4<br>(Baht) |
|--|------------------|------------------|------------------|------------------|
| 3.1 Sound absorption coefficient (rate/sample)                           | 4,500            | 3,375            | 2,250            | 1,125            |
| 3.2 Sound transmission loss (rate/sample)                                | 4,500            | 3,375            | 2,250            | 1,125            |
| 3.3 Sound absorption coefficient & Sound transmission loss (rate/sample) | 7,200            | 5,400            | 3,600            | 1,800            |

Remark : 1 Sample for Maximum 5 test reports

#### 4. Computer Numerical Control, CNC for Modeling

| List  | Rate 1<br>(Baht) | Rate 2<br>(Baht) | Rate 3<br>(Baht) | Rate 4<br>(Baht) |
|---|------------------|------------------|------------------|------------------|
| 4.1 Wood and Acrylic<br>( Rate per hour, between 1-59 mins =1 Hour)   | 1,000            | 750              | 500              | 250              |
| 4.2 Foam<br>( Rate per Hour, between 1-59 mins =1 Hour)               | 1,000            | 750              | 500              | 250              |
| 4.3 Aluminum<br>( Rate per Hour, between 1-59 mins =1 Hour)           | 900              | 675              | 450              | 225              |
| 4.4 Marbel and Granite<br>( Rate per Hour, between 1-59 mins =1 Hour) | 900              | 675              | 450              | 225              |

#### Remarks :

1. Customers deliver samples for the test.
2. Data conversion and Design are customer responsibility. Please check for File preparation with CBIT technician.
3. Materials not on the list can be consider at case by case basis, Maximum material in rectangular size is 600 x 600 x 300 mm.

#### Legend :

Rate 1= Private companies, individual (No discount)

Rate 2= State enterprise, government agencies (25% discount)

Rate 3= Other Universities (50% discount)

Rate 4= Kasetsart University's Staff and Student (75% discount)