



**THE BENAZIR BHUTTO SHAHEED
UNIVERSITY OF TECHNOLOGY AND SKILL DEVELOPMENT
KHAIRPUR MIRS**

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No. BBSUTSD/ADMIN/ 1084

Dated: June 02, 2022

NOTIFICATION

The Vice Chancellor has been pleased to approve the proposal for commercialization of Material & Water Testing facilities at the Department of Civil Engineering Technology of the University as per following details and rates.

1. CONCRETE LABORTORY

Name of the Tests	Rate in Rupees
Concrete Mix Design (including testing of Cement & aggregate)	20,000
Compressive strength of Concrete Cubes	400
Compressive strength of Concrete Cylinder (Without Capping)	500
Compressive Strength of Tuff Pavers/ Concrete Masonry Blocks /Kerb Block	700
Sieve Analysis of Coarse Aggregate	2000
Sieve Analysis of Fine Aggregate & FM	2000
Steel Test	
Unit Weight of Steel Bar	300
Brick Test	
Water absorption of Brick's 24 hours cold water immersion test.	800
Efflorescence test of bricks	800
Compressive Strength of Brick (without capping)	500
Cement Test	
Normal Consistency, initial & final setting time of cement (SRC/OPC)	3000
Fineness of cement by Sieve analysis	1000
Soundness of Cement (Expansion of cement) by Le-Chatelier Method (Per set of 3 Specimen)	2000

2. SOIL MECHANICS LABORATORY

Name of the Tests	Rate in Rupees
Compaction (Modified Proctor) 6" mould	4000
Compaction (Standard Proctor) 4" mould	3000
Field Density test (Sand Cone Method)	3000+ Transport
Classification of Soil (LL+PL & wet wash Sieve analysis)	4000
Wet Sieve Analysis of Mix Aggregate/Soil	2000
Finesse Modulus of Sand/Fine Aggregate	2000
Liquid Limits & Plastic Limits and Plasticity Index	3000
Natural Moisture Content of the soil	500
Clayey Lumps & Friable Particles in Aggregate	2000
Coefficient of uniformity (D10 / D30 / D60)	2000

3. Transportation Engineering Laboratory

Name of the Test	Rate in Rupees
(Bitumen Tests)	
Specific Gravity of Bitumen	2000
Penetration Test (Grade of Bitumen)	2000
Ductility Test of Bitumen	2000
Softening Point of Bitumen	2000
Flash & Fire Point of Bitumen	2000
(Coarse Aggregate Tests)	
Los Angeles Abrasion (1000) Revolution	2500
Los Angeles Abrasion (500) Revolution	2000
Specific Gravity & Water Absorption of Fine Aggregate	2500
Specific Gravity & Water Absorption of Coarse Aggregate	2500
Sieve Analysis of Coarse Aggregate (NHA & ASTM Standard)	2000
Sieve Analysis of Fine Aggregate & FM	2000
Blended Aggregate	5000
Soundness of aggregate by use of sodium sulfate	4000
Sand Equivalent of Fine Aggregate	2500
Clay Lumps & Friable Particles in Aggregate	2000
Material Finer Than 0.075mm Sieve	1000
Shape Test of Aggregate (Flakiness) Index + Elongation Index	3000
Fractured Faces	2000
Aggregate Crushing Value	1500
Aggregate Impact Value	1500
Unit Weight/ Density of Fine and Coarse Aggregate	3000

4. Environmental Lab

Name of the Tests	Rate in Rupees
pH	200
TDS	250
Alkalinity/Hardness (as CaCO ₃)	500
Electric Conductivity (EC)	250
Turbidity	250
Dissolved Oxygen (DO)	300
Total Solids (TSS, TVS, TFS)	800
Chemical Oxygen Demand (COD)	1500
Biochemical Oxygen Demand (BOD) ₅	1500
Iron, Potassium, Sodium and Magnesium	1500/parameter
Temperature	200
Odor	200
Color	200
Taste	200

Furthermore, the distribution of revenue generated to be distributed is approved as per following scheme:

#	Department / Office	Share
01	University Account	34%
02	Civil Department Account	33%
03	Faculty & Staff Engaged	33%


Ghulam Abbas Junjo
Deputy Registrar

Distribution:

1. *All Deans.*
2. *Chairperson (Acting) Department of Civil Engineering Technology.*
3. *Director ORIC.*
4. *Director QEC.*
5. *Audit Officer.*
6. *Accountant.*
7. *P.A to Vice Chancellor.*
8. *Concerned File.*

Copy for Information:

1. *Registrar, Pakistan Engineering Council, Islamabad.*
2. *Deputy Director (Coordination), Higher Education Commission Islamabad.*
3. *Acting Registrar National Technology Council, Islamabad.*