

INVITATION

REQUEST FOR EXPRESSIONS OF INTEREST

(Hiring of Short Terms Individual Consultant for Engineering Design and Estimation)

Country: Pakistan
Project Name: Student Hostels
Implementing Agency: Information Technology University of the Punjab
Consultancy Services for: **Engineering Design and Estimation**

ITU is a public sector autonomous institute established with aim to provide for education in information technology and other branches of knowledge as it may deem fit, and make provisions for research, service to the society and for the application, advancement and dissemination of knowledge in such manner as it may determine.

The university intends to apply part of the proceeds for hiring of individual consultants for Detailed Engineering Design; design documentation, including cost estimations in project document, Bill of Quantities, for engineering services to achieve economies of scale and desired results.

The detailed Terms of Reference (TOR) for the assignment, along with this Request for Expressions of Interest (REOI) Notice, can be accessed from websites www.itu.edu.pk The eligible consultants are required to demonstrate/provide following requisite information to prove their qualification/eligibility to perform the assignment. Individual Consultants are encouraged to provide materials/ information that would be specific to the proposed services only by giving all the relevant details as required in the Instructions, and to avoid submitting generic promotional material. The unrelated or incomplete materials/information shall not be considered. The parameters for evaluating the EOI Responses, are given against each requisite as under: -

- a) **Relevant Experience:** One (1) year experience of designing, estimating bill of quantities, engineering services of development infrastructure schemes at national, provincial or regional level.

Expressions of Interest response, delivered in a written form to the address below (in person, by email or by post) by or before **1500hours** on **25th July, 2023**.

For queries,
Purchase Officer
hasan.mutahhar@itu.edu.pk
Information Technology University
Tel: +92-42-99046029

Consultant Terms of Reference (TORs) for Design of ITU Student Hostels/Villas

Technical Survey, Engineering Design and Cost Estimation of the Student Hostels on main campus land, covering approximately 15,000 square feet.

Description of Work: Technical Survey, Engineering Design, Details Drawings and Cost Estimation of construction for a Student Hostel / Villas

Location: Barki Road Lahore

Consultancy Duration: 6-Months

Project Name: Construction of Student Hostel / Villas

Project Duration: 6 Months from the start of execution

Objective

The objective of this consultancy is to prepare design, drawings and to produce a reliable estimate of the construction for Student Hostels /Villas building by;

- Preparing Engineering design drawings (Architectural, Structural, Electrical, Plumbing & Utilities drawings) while considering the conceptual design provided by ITU team.
- Preparing Technical Specifications, Bill of Quantities (BoQs) and full set of design reports necessary for the implementation of the project.
- Preparing engineer's cost estimates based on current market rates

Scope of the work

The scope of the works to be undertaken by the consultant includes the following:

1. Carry out the physical verification of the site for assessing the scope of work.
2. Conduct necessary tests to determine the design parameters, where required.
3. Site survey and develop site layout plan for the Hostels.
4. Detailed Engineering drawings including sewerage and plumbing facilities in complete sets.
5. Structural drawings with complete detailing and bar bending schedule.

6. Electrical drawings complete with cable connection from nearby pole.
7. Detailed specifications for the various items of works.
8. Water supply scheme design from the source including reservoir and intake tanks
9. Detailed cost estimate, BOQ and rate analysis wherever necessary.

Drawings

- I. Final drawings must illustrate site plan, 2 cross-sections and covered area of the plot(s).
- II. The scale of the drawings should be between 1:50 or 1:2000 as per total covered area of the site or as required by the Office of Engineering Works.
- III. Hard copy of drawings should be presented on A3 paper.

Preparation of Conceptual Design and Cost Estimates

1. Prepare a Detailed Engineering Design, in line with design furnished by ITU, which shall describe the general idea about initial work structure and identify the scope of physical components and structures, specific outputs and requirements of the structures and propose methods of construction as necessary.
2. Determine whether the initial budget estimate prepared by ITU team would be sufficient to cover the detailed engineering design, construction supervision and construction of the resource center.

Bill of Quantities and Rate Analysis

1. The BoQs should be explicit covering all items of work. It should be as exhaustive as possible to avoid changes, additions, deletions, and substitutions during execution and therefore the undesired disputes and claims.
2. The detailed technical and material specifications should be a part of the BoQ. One copy of the technical Specifications shall be submitted to ITU for comments & suggestions before making the required number of copies.
3. The cost estimates should be appropriately worked out to indicate the approximate cost of the entire building. It should be accompanied by analysis of rates where necessary.
4. The cost estimate should be treated as highly confidential.

Qualification of Consultancy

1. The consultant should be duly registered with Pakistan Engineering Council.
2. The consultant shall have prior experience of one year of similar nature of work.

Payment Mode

The monthly remuneration will be released subject to satisfactory note from the Office of Engineering Works of ITU.