



# INFORMATION TECHNOLOGY UNIVERSITY (ITU)

## Request for Expression of Interest

**Hiring of Short Term Consultancy Firm for Design of Sewerage & Water Supply System at ITU Main Campus, Barki Road, Lahore.**

Sr. No.	Title of Consultancy	No. of Firms	Requirements
1.	<b>Consultancy Firm for Design of Sewerage &amp; Water Supply System</b>	<b>01</b>	<ul style="list-style-type: none"><li>Detailed Terms of Reference (TORs) and scope of work is attached herewith</li></ul>

1. The above required consultancy firm shall be engaged for short term consultancy by following Punjab Procurement Rules, 2014.
2. The duration of the consultancy engagement is thirty (30) days.
3. Incomplete/pruned (having cutting)/unsigned proposal(s) based on incorrect information and received after due date shall be rejected.
4. Only shortlisted firms will be called for further evaluation.
5. EOI(s) along with the detailed technical and financial proposals must reach in the Procurement Department of ITU (6<sup>th</sup> Floor, Arfa Software Technology Park, 346-B Ferozepur Road, Lahore) on or before **21/11/2024**.
6. Only those firms having required expertise with sound financial capabilities and are well reputed shall be considered.

**DEPUTY DIRECTOR (PURCHASE)**

**INFORMATION TECHNOLOGY UNIVERSITY (ITU)**

6<sup>th</sup> Floor, Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore.

Phone: (042) 111-111-488 (6030)

Web: [www.itu.edu.pk](http://www.itu.edu.pk), [procurement@itu.edu.pk](mailto:procurement@itu.edu.pk)

**Terms of Reference (TORs) of Consultant in-house for Project “Pakistan Leather Sector: Traceability, Cleaner production and Circularity” with WWF funded by SMEP**

**Position Title:** Full Stack Developer

**Terms of Reference:** SW-Developer - Full Stack Developer position

**Project Duration:** (1 August 2024 - 31 March 2026)

**Consultancy Duration:** 05 months (1 August 2024 - 31 December 2024)

**Location:** Information Technology University Lahore

**Department:** Faculty of Engineering

**Reports to:** Principal investigator (PI), Prof. Dr. Tauseef Tauqeer, and Co-principal investigator (Co-PI), Prof. Dr Rehan Hafiz

**Purpose:**

To develop and maintain full-stack applications, contributing to all phases of software development and ensuring high-quality deliverables.

**Key Responsibilities:**

**1. Application Development:**

- Design, develop, and maintain web applications using front-end and back-end technologies.
- Write clean, maintainable code following industry best practices.

**2. Collaboration:**

- Work with cross-functional teams to gather requirements and deliver solutions.
- Collaborate with UX/UI designers to implement responsive designs.

**3. Testing and Debugging:**

- Conduct unit testing and debugging of applications.
- Participate in code reviews to ensure code quality.

**4. Deployment:**

- Assist in the deployment of applications and configuration of environments.
- Monitor application performance and troubleshoot issues.

**5. Documentation:**

- Maintain accurate documentation for code, processes, and systems.
- Update project documentation as necessary

**Qualifications:**

- Must have Master's Degree or equivalent degree awarded after sixteen years of education in Computer Science/Information Technology/Software Engineering/ Electrical Engineering/ Technology Management or an equivalent recognized degree from an institution or a University recognized by HEC.

**Experience/Skills:**

- Strong attention to detail and problem-solving skills.
- Effective communication and teamwork abilities.
- Adaptability to new technologies and framework
- Relevant experience in full stack development with strong proficiency in front-end technologies (HTML, CSS, JavaScript frameworks) and back-end languages (Node.js, Python, or Java) is required. Candidates with solid understanding of database systems (SQL and NoSQL) and

experience with RESTful APIs are encouraged. Additionally, a background in software architecture and cloud services will be preferred for the lead architect position with a strong grip in managing servers and understanding of data security.

**Payment mode:**

Consultancy Fee/remuneration will be paid on monthly basis provided the satisfactory evaluation report from the PI.

## **Terms of Reference (TORs)**

### **Consultancy Firm for Design of Sewerage & Water Supply System at ITU Main Campus, Barki Road, Lahore**

**Location:** Barki Road Lahore

**Consultancy Duration:** 30 days after issuance of award letter.

**Project Name:** Design of Sewerage & Water Supply System for ITU Lahore.

**Objective:** The objective of this consultancy is to prepare the complete design of sewerage & Water Supply system, complete drawings of sewer line, Man Holes & Disposal Station.

**Scope of the work:** The scope of the works to be undertaken by the consultancy firm includes the following:

- Conduct a site analysis and identify nearest sewerage disposal drain.
- Determine the university's current and future sewerage & Water Supply needs.
- Design a comprehensive sewerage & Water Supply system & Network, including specific components, such as pipes, manholes, Chambers, disposal, OHR & Tube Well as well with pumps.
- Ensure compliance with relevant regulations and standards.
- Submit detailed drawings in soft & hard form.

**Deliverables:**

- A comprehensive design, including plans, sections of sewer, Water Supply line, Chambers for Valves & manholes.
- Detailed drawings and maps of the sewerage & Water Supply system.
- Detail specifications of Sewerage & Water Supply system.
- Complete Drawings of Disposal Station, Tube Well & OHR.
- A list of recommended materials and equipment.

**Key Personnel:**

- Team Leader
- Sewerage Design Engineer
- Surveyor
- Auto cad Operator

**1. Expertise of the Consultancy**

- The consultant company should be duly registered with Pakistan Engineering Council.
- The Company needs to demonstrate a high degree of technical expertise in the detailed design of sewerage & Water Supply system.

**2. Services and Facilities for the Consultant:**

- The Consultant would be provided with the necessary data and documents required to produce the desired results.
- ITU field staff will facilitate consultants while surveying the site.

**3. Payment Mode**

The consultant will be paid in the following manner:

- 100 % of the contract amount will be paid at the completion of the work subject to

endorsement from Office of Engineering Works.

- The firm shall submit the invoice along with necessary documentation at each milestone to claim the remuneration.

#### **4. Evaluation Criteria of Consultancy**

The evaluation criteria will be based on the financial bids submitted by the Consulting Firms. The firm shall have the required Technical Expertise & team, only then it will be considered eligible to be considered with respect to financial bids. The firm offering the lowest cost will be selected after the approval of the relevant committee.

## Declaration of Undertaking

We underscore the importance of a free, fair and competitive procurement process that precludes fraudulent use. In this respect we have neither offered nor granted, directly or indirectly, any inadmissible advantages to any public servants or other persons in connection with our bid, nor will we offer or grant any such incentives or conditions in the present procurement process or, in the event that we awarded the contract, in the subsequent execution of the contract.

I understand that my role as a consultant is to provide complete design of sewerage & Water Supply System for ITU.

I confirm that I have the necessary expertise, experience, and resources to deliver the services as required.

I agree to work independently and impartially, without any conflict of interest.

I understand that my services will be evaluated based on the performance criteria outlined in the TOR.

I commit to delivering high-quality services, meeting deadlines, and maintaining open communication with the client.

I agree to maintain confidentiality and handle sensitive information with care.

I understand that this undertaking is a binding declaration and forms an integral part of the consultancy agreement.

We also emphasize the importance of adhering to minimum social standard ("Core Labor Standard") in the implementation of the project. We undertake to comply with the Core Labor Standards ratified by the country of Pakistan.

We also declare that our company/all members of the consortium has/have not been included in the list of sanctions of the United Nations, nor of the EU, nor of the German Government, nor in any other list of sanctions and affirm that our company/allmembers of the consortium will immediately inform the client if this situation should occur at a later stage.

We acknowledge that, in the event that our company (or a member of the consortium) is added to a list of sanctions that is legally binding upon the client, the client is entitled to exclude our company/the consortium from the procurement procedure and, if the contract is awarded to our company/the consortium, to terminate the contract immediately if the statements made in the Declaration of Undertaking were objectively false or the reason for exclusion occurs after the Declaration of Undertaking has been issued.

(Place) ..... this.....day of .....

Name of company .....

Signature (s) .....