

Consultant – Structural Assessment of Existing Buildings

Telecom Foundation Education System (TFES) intends to engage the services of a qualified and experienced Structural Engineering Firm / Consultant for conducting detailed structural assessment of existing buildings with RCC slabs located at various TFES campuses (15 Nos). The consultant will assist TFES in evaluating the structural integrity, safety, and serviceability of existing structures and provide recommendations in compliance with applicable engineering standards and regulations.

Objectives

- Assess the structural condition and integrity of existing buildings at TFES campuses.
- Identify structural deficiencies, deterioration, and potential risks.
- Evaluate load-carrying capacity and serviceability of structures.
- Recommend appropriate measures including repair, retrofitting, or demolition where required.
- Ensure safety and compliance with relevant building codes and engineering practices.

Responsibilities:

The responsibilities of the Consultant shall include, but not be limited to, the following:

1. Site Inspection and Data Collection

- a) Conduct detailed site visits of TFES campuses and respective buildings.
- b) Collect relevant structural data, drawings (if available), and site information.

2. Structural Assessment and Analysis

- a) Perform physical inspection of existing brick masonry structures with RCC slabs.
- b) Assess visible and non-visible structural distress including cracks, settlement, deflection, and material deterioration.
- c) Evaluate overall structural integrity using appropriate analytical methods.

3. Testing and Investigation

- a) Carry out necessary on-site Non-Destructive Testing (NDT) and Destructive Testing (DT), where required.
- b) Extract concrete core samples from RCC slabs (if deemed necessary) for laboratory testing.
- c) Analyze material properties and structural performance based on test results.

4. Evaluation and Findings

- a) Analyze test results to determine structural stability and load-carrying capacity.
- b) Assess safety and serviceability of buildings under existing and potential loading conditions.

5. Reporting and Recommendations

a) Prepare comprehensive Structural Assessment Reports including:

- Condition assessment
- Structural analysis findings
- Interpretation of test results
- Safety evaluation
- Recommendations for repair, retrofitting, strengthening, or demolition (if required)

Duty Station

The consultant will perform duties at various TFES campuses across Pakistan as assigned.

Duration of Assignment

The duration of the consultancy shall be as per project requirements, initially expected to be **30 Calendar days**, extendable based on performance and project needs.

Deliverables and Timelines

Deliverable	Description	Timeline
Inspection Report	Detailed work plan, methodology, and schedule	Within 10–15 days of contract
Interim Reports	Progress updates including inspection and testing status	As per agreed schedule
Final Report	Comprehensive structural assessment and recommendations	Upon completion of assignment

Confidentiality

The Consultant shall maintain strict confidentiality of all data, documents, and information accessed or produced during the course of this assignment. All reports and deliverables shall remain the sole property of Telecom Foundation.

Qualification and Experience Requirements

- Registered Structural Engineering Firm with valid PEC registration in relevant category.
- Minimum 7–10 years of experience in structural assessment and forensic evaluation of existing buildings.
- Proven expertise in Non-Destructive Testing (NDT) and structural analysis.
- Strong understanding of local and international building codes and standards.
- Availability of qualified structural engineers and necessary testing equipment.

Preference will be given to survey company whose head office is based in Islamabad and also has presence in major cities in Pakistan.

Contact

Interested firms may submit their profile, relevant experience, quotation, and contact details within **7 days of publication** of this advertisement at the address/email mentioned below

Address for firms:
Assistant Manager Admin (Civil),
Telecom Foundation Complex, 7 Mauve Area, G-9/4, Islamabad.
0512808169, 0334-9250516