

REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT AND URBANIZATION
General Directorate of Construction Affairs

**SEISMIC RESILIENCE AND ENERGY EFFICIENCY IN PUBLIC BUILDINGS
PROJECT**
(P175894)

TERMS OF REFERENCE FOR
RECRUITMENT OF STRUCTURAL ENGINEER
(REF: WB/INDV-SE-01)

Background

The Ministry of Environment and Urbanization has applied for financing from the World Bank toward the cost of the Seismic Resilience and Energy Efficiency in Public Buildings Project (SREEPBP) and intends to apply part of the proceeds for consulting services. The implementation period will end on June 30, 2027. Financed by the proceeds of the Loan Agreement signed between the Ministry of Treasury and Finance, the Project holds a budget of USD 265.000.000.

The overall objective of the Project is to improve the disaster resilience and energy savings in selected central government buildings, and to strengthen the policy framework and institutional capacity to develop, finance and implement resilient and sustainable public buildings in Turkey.

The project will promote a strategic national approach to increasing energy efficiency and seismic performance in public buildings through an integrated approach that creates a demonstration effect and builds the foundations critical to reach scale and improve the vast building stock in Turkey (estimated at more than 9 million public and private structures). Such an approach is expected to yield the following benefits: (i) reduction in total cost through shared labor and complementary concurrent investments; (ii) sustainability of EE improvements through the building lifetime and payback period by ensuring investment in earthquake resistant buildings; (iii) functional upgrades such as autonomous energy (e.g. solar panels), which are crucial to ensure energy supply and continuity of service in the aftermath of an earthquake where energy service can be disrupted for days or weeks; (iv) strengthening of roofs associated with EE that can also increase the performance of building during disasters; (v) assessing the full economic case for building improvement through strengthening and renovation versus demolishing and rebuilding for both disaster risk management (DRM) and EE objectives; (vi) increasing the efficiency of public service investments in structural improvements and EE through more rapid and lower cost testing of critical materials and equipment and by testing and scaling innovative approaches; and (vii) minimizing disruption to building occupants and government services.

Project includes three components: (i) investments in central government buildings for seismic strengthening and EE improvement; (ii) advanced technical assistance (TA) and capacity building; and (iii) project implementation support.

The General Directorate of Construction Affairs (GDCA) established a project implementation unit (PIU) which is responsible from overall implementation of the project such as selection of the buildings, procurement of the various contractors (e.g. structural studies, energy audits, technical designs, renovation works, construction supervision, savings verifications, technical assistance or consultancies, etc.).

Within the framework of the Seismic Resilience and Energy Efficiency in Public Buildings Project (SREEPBP), a Civil Engineer (WB/INDV-SE-01) will be employed at Project Implementation Unit of the General Directorate of Construction Affairs of Ministry of Environment and Urbanization (MoEU).

OBJECTIVES

The main objective of the consultant's services under this Terms of Reference (ToR) is to employ an experienced individual consultant as a Civil Engineer who will work in the Project Implementation Unit (PIU) to assist in the project implementation activities, provide services for the monitoring of the activities planned under project.

SCOPE OF THE SERVICES

The Consultant shall;

- a) Review and check structural designs & calculations, structural drawings, costs and quantity surveying for strengthening and reconstruction works of public buildings within the scope of the project, the required principles related with the construction and structural aspects at the design, tendering and execution stages,
- b) Support the PIU staff on the review and assessment of technical proposals of the consulting firms and offers from renovation contractors and on the inputs for the technical evaluation reports and support the PIU in contract negotiations,
- c) Review the technical inputs into bidding documents, terms of references, project reports, bid evaluation reports, project supervision and acceptance/commissioning reports;
- d) Visit construction sites for periodic audits to the cross check the structural designs and its applications on site with the relevant contracts & specifications, monitor and report issues, contribute to and participate in project related events and provide feedback on improvement of designs.
- e) Coordinate the monitoring of results indicators of the renovations;
- f) Ensure compliance with local building codes, material standards and engineering norms in Turkey throughout the design and construction of the renovation process,
- g) Carry out other technical studies, reports and assignments as requested the GDCA's PIU.

DURATION OF THE SERVICES

The services will be required on a full-time or part-time basis for an expected duration of the project based in Ankara. The Consultant is expected to commence work from December 2021, with two months' probation period and a renewable 1-year contract, if performance is satisfactory.

QUALIFICATION REQUIREMENTS

- At least bachelor's degree in Civil Engineering and MS degree in structural or earthquake engineering,
- At least 10 years professional experience,
- At least 5 years of similar work experience in the structural designs & calculations, structural drawings specifically in structural retrofitting building designs,
- Experience in superstructure works' contracts, either in design, writing of specifications, bills of quantities, tender procedures or site works supervision;
- Working experience with IFIs financed project experience would be an asset,
- Familiarity with Government of Turkey's relevant legal, administrative and bureaucratic procedures,
- Proficiency in key computer applications, e.g., Word, Excel, PowerPoint,
- Fluency in both Turkish and English (both oral and verbal) is a requirement.

REPORTS

The Consultant shall submit brief monthly progress reports summarizing the Project related activities, issues and recommendations during the assignment.

METHODOLOGY

The consultant will be hired following the guidance of World Bank's "Procurement Regulations for IPF Borrowers" – November 2020 ("Procurement Regulations"). The contracted consultant will function as Civil Engineer of GDCA's PIU in Ankara. The contract will be signed between the General Directorate of Construction Affairs of MoEU or his designee and the consultant. The recruitment of contract shall be a subject to "No objection" from the World Bank.

APPLICATION

Curriculum vitae (CV) in English in the format given below together with a one-page application letter must be delivered to the address below in person or by e-mail, indicating the title and the reference code of the applied position in the subject line. **The deadline for application is October 22, 2021; 4:00 p.m. (Turkey Time).**

Attn: Gökhan Karagözlü
Mustafa Kemal Mahallesi
Eskişehir Devlet Yolu (Dumlupınar Bulvarı) 9. km. No: 278 Kat: 2
Çankaya / Ankara
Tel: 0 312 410 49 62
E-mail: ihale.dky@csb.gov.tr
web-site: <https://kamuguclendirme.csb.gov.tr>

CURRICULUM VITAE

Name of Staff :
Profession :
Date and Place of Birth :
Civil Status :
Home Address :
Phone **home** :
 mobile :
E-Mail :
POSITION APPLIED :

KEY QUALIFICATIONS

Specific experience in:

-
-
-
-

EDUCATIONAL BACKGROUND

-
-
-
-

PROFESSIONAL EXPERIENCES

(Employment Record)

-
-
-

Language Proficiency :

| 1. | Excellent | Good | Poor |
|----------|-----------|------|------|
| Reading | | | |
| Writing | | | |
| Speaking | | | |

| 2. | Excellent | Good | Poor |
|----------|-----------|------|------|
| Reading | | | |
| Writing | | | |
| Speaking | | | |

| 3. | Excellent | Good | Poor |
|----------|-----------|------|------|
| Reading | | | |
| Writing | | | |
| Speaking | | | |

Computing Knowledge :

Experience in:

-
-
-

Membership of Professional Societies :

References and transcripts : AVAILABLE UPON REQUEST

Certification

I, the undersigned, certify that to the best of my knowledge and belief, this biodata correctly describes myself, my qualifications and my experience.

Signature

Date