

REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT, URBANISATION AND CLIMATE CHANGE
GENERAL DIRECTORATE of CONSTRUCTION
Internationally Funded Seismic Retrofitting Department
SEISMIC RESILIENCE AND ENERGY EFFICIENCY IN PUBLIC BUILDINGS PROJECT

TERMS OF REFERENCE FOR
RECRUITMENT OF CIVIL ENGINEER

(Ref: WB/INDV-CE-01)

1. BACKGROUND

The Ministry of Environment, Urbanization and Climate Change has received 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 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 national strategic approach to increase 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 for the overall implementation of the Project, such as the 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-CE-01) will be employed at the Project Implementation Unit of the General Directorate of Construction Affairs of the Ministry of Environment, Urbanization and Climate Change (MoEUCC).

2. OBJECTIVES

The main objective of the Consultant's services under this Terms of Reference (ToR) is to employ a Civil Engineer as an individual consultant who will work full-time in the Project Implementation Unit (PIU) to assist in the project implementation processes as specified in "Section 3. Scope of the Services", provides services for the monitoring of the activities planned within the Project.

3. SCOPE OF THE SERVICES

The Consultant shall;

- a) Supervise the work of the technical consultants: project designers, construction companies, and supervision companies,
- b) Review and assess technical proposals of the consulting firms and offers from renovation contractors and provide inputs to the technical evaluation reports and support the PIU in contract negotiations,
- c) Review all audits and designs to ensure compliance with best practices on the façade and building envelope-related aspects, etc.,
- d) Review and compare structural designs & calculations, structural drawings, costs, and quantity surveying for renovation, strengthening, and reconstruction works of public buildings within the scope of the Project, the required principles related to the construction and structural issues at the design, tendering and execution stages,
- e) Ensure the compatibility of drawings and specifications with the structural designs,
- f) Review the technical inputs into bidding documents, terms of references, project reports, bid evaluation reports, project supervision, and acceptance/commissioning reports;
- g) Visit construction sites for periodic audits for the compliance of the executions on site with the relevant contracts & specifications, monitor and report issues, contribute to and participate in Project related events, control payment schedules and progress payments,
- h) Coordinate the monitoring of results indicators of the renovations;
- i) Ensure compliance with local building codes, material standards, and engineering norms in Turkey throughout the design and construction of the renovation process,
- j) Based on early project experiences and inputs from the design firms, develop/propose technical standards and norms to be used in all future bidding documents to ensure high and consistent quality,
- k) Carry out other technical studies and assignments as requested by the GDCA's PIU.

4. DURATION OF THE SERVICES

The services will be required on a full-time basis. The Consultant is expected to commence work from February–March 2023, with two months probation period and a renewable 1-year contract if performance is satisfactory.

5. QUALIFICATION REQUIREMENTS

- At least a bachelor's degree in Civil Engineering; an MS degree in project management or structural

engineering would be an asset,

- At least seven years of professional experience in the construction sector,
- At least two years of specific experience in seismic/structural retrofitting of buildings.
- At least three years of working experience in the preparation and review of tender documents, cost estimates, and work schedules,
- Experience in preparing/controlling of control payment schedules and progress payments,
- Experience in preparation of structural designs and calculations,
- Experience with working in interdisciplinary teams, project management, and working experience with IFIs financed projects would be an asset,
- Actively mentor entry-level engineers,
- Experience with advanced structural analysis software (i.e., Etaps, Sap2000, Protastructures, Sta4cad, etc.)
- Knowledge of Project Management applications such as Primavera, Ms. Project, etc.
- Proficiency in key computer applications, e.g., Word, Excel, and PowerPoint, have a strong client orientation,
- Demonstrated English proficiency through recognized tests or assessments such as; YDS, TOEFL, IELTS..etc.

6. REPORTS

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

7. METHODOLOGY

The Consultant will be hired following the guidance of the World Bank's "Procurement Regulations for IPF Borrowers" – November 2020 ("Procurement Regulations"). The contract will be signed between the General Directorate of Construction Affairs of MoEUCC or his designee and the Consultant.

8. APPLICATION

Curriculum vitae (CV) in Turkish and 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 February 24, 2023, at 4:00 p.m. Turkey local time.** Confirmation will be shared upon receipt of the application.

Ministry of Environment, Urbanization and Climate Change
General Directorate of Construction Affairs
Internationally Funded Seismic Retrofitting Department

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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:

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-
-
-

EDUCATIONAL BACKGROUND

-
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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			

* Language proficiency should be demonstrated through recognized language proficiency tests or assessments such as; YDS, TOEFL, IELTS. etc. Language proficiency statements without any proof will not be considered.

Computing Knowledge :

Experience in:

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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