

REPUBLIC OF TURKIYE
MINISTRY OF ENVIRONMENT, URBANIZATION AND CLIMATE CHANGE
General Directorate of Construction Affairs

EMERGENCY EARTHQUAKE DISASTER RECONSTRUCTION PROJECT
(TK-P24)

TERMS OF REFERENCE FOR
RECRUITMENT OF MECHANICAL ENGINEER
(REF: EEDRP/INDV-ME-01)

1. BACKGROUND

Türkiye was hit by a series of debilitating earthquakes in February 2023. On February 6, 2023, two major earthquakes hit Türkiye, with the epicenters in Pazarcık (Mw 7.7; focal depth: 8.6 km) and Elbistan (Mw 7.6; focal depth: 7 km) districts of Kahramanmaraş, at 04:17 and 13:24 local time, respectively. On February 20, 2023, another earthquake with a magnitude of Mw 6.4 occurred, with the epicenter of Yayladağı, Hatay, at 20:04 local time. The area affected by these earthquakes was 11 provinces in southeastern Türkiye. Particularly in some of the affected areas, such as Hatay and Kahramanmaraş provinces, entire towns were completely demolished. The earthquake caused damage of a magnitude unseen in recent years.

To meet immediate rural shelter needs after the earthquake, Ministry of Interior, Disaster and Emergency Management Presidency (AFAD) has tasked the General Directorate for Construction Affairs (GDCA) of Ministry of Environment, Urbanization and Climate Change (MoEUCC) to reconstruct immediately 50 percent of collapsed rural housing amounting to US\$ 10.2 billion.

The objective of the Project is to stabilize the lives of residents in Southeastern Türkiye earthquake affected, by reconstructing disaster and climate resilient and energy efficient rural housing and village infrastructure, thereby improving the socio-economic growth in the areas.

Ministry of Treasury and Finance (MoTF), applies for financing from Japan International Cooperation Agency (JICA) toward the cost of the rural housing, livelihood structures (barns and workplaces) and village infrastructure. The Project Implementation Unit (PIU) formed under the body of GDCA of MoEUCC for the management and / or implementation of the Projects and the relevant coordination of all the stakeholders, within the framework of the Loan Agreement. In order to strengthen the capacity of PIU, the MoEUCC is recruiting individual consultants for the necessary consulting services (“the Services”) on the basis of the Projects.

2. OBJECTIVES

The main objective of the Consultant's services under this Terms of Reference (ToR) is to employ a Mechanical Engineer as an individual consultant who will work full-time in the Project Implementation Unit (PIU) to assist in the project implementation activities, provide services for the monitoring of the activities planned under 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 reconstruction contractors and provide inputs to the technical evaluation reports and support the PIU in contract negotiations,
- c) Review detailed technical designs and specifications, tender documents for reconstruction works, evaluate reconstruction bids, review construction supervision reports,
- d) 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,
- e) Review all designs to ensure compliance with best practices on mechanical aspects (e.g., heating and cooling systems, thermal heat loss of buildings, solar water heating systems, etc.),
- f) Provide technical inputs into bidding documents, terms of references, project reports, bid evaluation reports, project supervision and acceptance reports,
- g) Ensure compliance with local building codes, material standards and engineering norms in Türkiye throughout the design and construction of the reconstruction process,
- h) 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 a high and consistent quality,
- i) Provide training to PIU staff to improve their technical capacity on mechanical topics related to building reconstruction works,
- j) Carry out other technical studies and assignments as requested by the GDCA's PIU.

4. REPORTS

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

5. DURATION OF THE SERVICES

The services will be required on a full-time basis for an expected duration of the project based in Ankara. The Consultant is expected to commence work from September 2024, with two months' probation period and a renewable 1-year contract, if performance is satisfactory.

6. QUALIFICATION REQUIREMENTS

- At least bachelor's degree in mechanical engineering; an MS degree in project management or engineering would be an asset,
- At least 10 years' experience on construction sector,
- Experience with Works or Supplies contracts, either in design, writing of specifications, bills of quantities, tender procedures or site works supervision,
- Experience within interdisciplinary teams in project management and working experience with IFIs

- financed project experience would be an advantage,
- Proficiency in key computer applications, e.g., Word, Excel, PowerPoint, have a strong client orientation,
 - Familiarity with Government of Türkiye's relevant legal, administrative and bureaucratic procedures,
 - Fluency in Turkish and English (both oral and verbal) is a requirement,
 - Excellent interpersonal skills demonstrated ability to communicate effectively and strong writing/reporting skills.

7. METHODOLOGY

The consultant will be hired following the Guidelines for the Employment of Consultants under Japanese ODA Loans. 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 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 September 30, 4:00 p.m. Türkiye local time.** Confirmation will be shared upon receipt of 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

-
-
-
-

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