

## TERMS OF REFERENCE

<b>Contract</b>	<b>BO4/CS-IC- -2020</b>		
<b>Project</b>	Loan 3056/ Grant 0366; CAREC Corridor 3 (Bishkek–Osh Road) Improvement Project, Phase 4, including components/activities co-financed by the EADB.		
<b>Position</b>	Road Engineer		
<b>Source</b>	Local	<b>Category</b>	Independent Consultant

### **Objective/Purpose of the Services:**

The main objective is to assist MoTR in (i) administering construction and construction supervision contracts financed by ADB and EADB, and (ii) fulfilling the Employer's responsibilities under construction and construction supervision contracts, and (iii) providing reports on the progress of work to ADB and EADB and government authorities in the following projects financed by ADB and EADB and implemented by the Investment Projects Implementation Group (IPIG) of the Ministry of Transport and Roads of the Kyrgyz Republic.

#### **1. Project «CAREC Corridor 3 Improvement Project (Bishkek-Osh Road) Phase 4».**

Contracts with:

- “China Railway No 5 Engineering Group Co., Ltd” PRC. CAREC/C3/P4/ICB/WC1, dated March 28, 2017.
- OOO “Mostdorstroy” CAREC/C3/P4/ICB/WC2, dated December 18, 2017
- «Temelsu International Engineering Services Inc., E.Gen Consultants Ltd., Desh Upodesh Ltd., and subconsultant Kyrgyz TREC International Ltd», dated May 8, 2020.

#### **2. Project "Connector Road, CAREC Corridors 1 and 3"**

Contracts with:

- «Gentek International Engineering and Consulting Limited» Contract № CAREC1&3/QCBS/CS-3; dated August 28, 2018.
- «TODINI Costruzioni Generali S.p.A» Contract № CAREC1&3/ICB/CW; dated September 7, 2018

#### **3. Project "Reconstruction of the Bishkek-Osh road, phase 4"**

Contracts with:

- OOO “AzVIRT” LLC (Azerbaijan); dated June 11, 2018
- “Renardet S.A. Consulting Engineers” (Switzerland) in association with “RAM Engineering LLC” (Kyrgyz Republic), dated December 28, 2017

### **Scope of work:**

Within the framework of this assignment, the road engineer is mainly responsible for the above referenced projects No. 1 and No. 2. Project No. 3 is an additional project, the involvement of an engineer is required as needed, but the engineer must have the project information in full.

#### **1. In the administration of contracts:**

- i. review of project documentation, including RRP, RAP, construction contracts and construction supervision contracts, as well as other documents related to the execution of construction works contracts and supervision;
- ii. reviewing the work programs of contractors and consultants and participating in the review of payment projections;
- iii. monitoring the physical progress of work, identifying inconsistencies between the approved plan and actual achievements and proposing solutions to eliminate these inconsistencies;
- iv. prepares and/or ensures the preparation of progress reports for submission to ADB and government agencies;
- v. Preparation and provision of the required information of the technical block at the request of the related departments of the Ministry of Transport and Roads of the Kyrgyz Republic, other organizations, ministries and departments of the Kyrgyz Republic on issues within the competence of the IPIG;;
- vi. Maintaining necessary documentation for the work performed during the construction phase of projects.

#### **2. For construction work:**

- (i) assisting the Employer in fulfilling its obligations under construction contracts by working closely

with the Supervision Engineer, in particular doing the following :

- (a) granting contractors access to work sites;
  - (b) assisting them in obtaining permits, licenses or approvals;
  - (ii) performing periodic reviews of IPCs to ensure compliance with the Contractor's statements and the actual physical progress;
  - (iii) coordination and confirmation of the work performed in intermediate and final certificates (confirms the volume of work performed by signing these certificates);
  - (iv) Control over the elimination of deficiencies and defects by the contractor within the time frame established by the contract;
3. Control over the implementation by all construction participants of the requirements for road safety, labor protection and safety at the main and auxiliary sites;
  4. Assisting in the preparation of materials for making changes to projects, execution of contracts by participants in investment activities on ongoing projects and control over the implementation of decisions made within the competence of IPIG;
  5. Preparation of materials for consideration and approval of changes in design solutions arising during construction, prompt resolution of issues on replacing, if necessary, materials, products, structures (without reducing the quality of construction objects), facilitating the elimination of reasons causing delays and deterioration in the quality of construction work, taking measures to prevent them;
  6. Preparation and review of change orders, additions to construction contracts and consulting contracts;
  7. Timely preparation of materials for approvals with local and republican authorities on land allocation for quarries, bases, parking lots for the period of construction, changes in design and construction solutions;
  8. Participation in coordination with the design organization, government bodies for road safety of road improvement projects, schemes for the placement of road signs and fences, making proposals for their change; RE should consult or involve the Road Safety Engineer in his work.

#### **In construction supervision:**

Assisting the Employer (MoTR) in fulfilling its obligations under contracts for construction supervision, namely: assisting consultants in obtaining work permits and access to work sites; coordinating with IPIG/ADB safeguard specialists in resolving historical sites, utility relocation, etc.; coordinating with the local authorities and facilitate the historical site relocation etc.;

9. Control of technical acceptance of completed construction and installation works, assistance in preparing the necessary technical documentation, and assistance in preparing the required data for reporting; periodically check on the QA systems, plant and material, Contractors' and Engineers' personnel, etc., to ensure compliance with the Contract
10. Assisting the IPIG procurement department in the preparation and development of documents in the technical and engineering parts;
11. Assisting in the preparation of monthly, quarterly and annual descriptive reports related to the implementation of the project.
12. Initialing of draft contracts, amendments to contracts, additions to contracts for construction work, supply of equipment, provision of consulting services.
13. Monitoring and maintaining the PBM contract under the CAREC Transport Corridor Improvement Project 3, Phase 4;
14. Working with consultant to prepare a project for the construction of an alternative North-South road.
15. Fulfillment of other assignments from the IPIG Director and IPIG Coordinator.

#### **Reports to:**

IPIG Director and IPIG Coordinator.

#### **Reporting requirements:**

1. Preparation of reports on the review of the methodology of contractors in the framework of procurement of contractors as required (the review period is maximum three days for each proposal);
2. A report on monitoring the physical progress of work, identifying discrepancies between the approved plan and actual achievements and proposing solutions to eliminate these discrepancies on a monthly basis no later than the 10th day of each month;
3. Preparation of information and conclusions for consideration and approval of changes in design solutions arising during the construction, as needed;
4. Other reporting at the request of the management.

**Qualifications and experience:**

- Education: Bachelor's degree in road/civil engineering (having a master's degree or higher is a significant advantage);
- Total work experience of at least 5 years as an engineer for the construction / rehabilitation / design of roads or other infrastructure facilities; work experience (at least 3 years) in international organizations for road reconstruction/rehabilitation projects. Work experience with FIDIC contracts is an advantage;
- Good knowledge of English (excellent knowledge of written and spoken English is an advantage);
- Knowledge of Kyrgyz and Russian languages is obligatory;
- Good computer skills, knowledge of all Microsoft Office applications, CorelDraw, AutoCAD.

<b>Places of Assignment:</b>	<b>Days/Months</b>	<b>Dates</b>
The main place of performance of services is the construction site of the project and the IPIG office. The distribution of engineer's input between the construction site and the office during the construction season will vary by management. During the construction season, the work of the engineer on the site will be at least 30%. During the winter maintenance period, the engineer will work in the IPIG office, with periodic visits to the site as needed.	_____ month	Services Commencement from _____ 2021. The contract is effective til _____2022.

Note: The trial period is 3 months. The duration of the assignment is 12 months. The term of engagement can be extended by mutual agreement of the parties.