

TECHNICAL TASK (IT specialist)

The contract			
Project	CAREC 1&3/CS-IC-21-2019		
Competence	IT specialist		
A source	Local	Category	Independent Individual Consultant

Scope of work:

- within 10 days from the beginning of the project, it compiles, coordinates and approves the work schedule signed by the team leader, and the schedule can be adjusted in accordance with the task of the team leader;
- directly carries out the following work:
According to the feasibility study for the implementation of an electronic collection system for trucks:
- risk analysis reflecting the main uncertainties for the implementation and operations of the respective tolling system;
- together with the PPP specialist, he is preparing a technical task for the implementation of an electronic collection system for trucks and buses;
- estimating costs for the implementation and operation of the respective tolling systems for a period of at least 10 years;
- traffic surveys and forecasts for at least 10 years along the main transport corridors passing through the territory of the Kyrgyz Republic (Bishkek-Osh, Bishkek-Naryn-Torugart, Osh-Sarytash-Irkeshtam, Sarytash-Karamyk, Osh-Batken-Isfana);
- together with the engineer estimator prepares recommendations for the two most optimal variants of technical solutions for implementation in the conditions of the Kyrgyz Republic and taking into account the planned amount of funds to be collected from trucks and buses;
- assists the estimator in the preparation of calculations for the construction and installation of an electronic collection system for the selected two optimal options.

Tasks on digitization:

- preparation of software for recording technical conditions for the placement of road and roadside service objects with reference to the road asset management system.

Result of work:

- **on the feasibility study of the implementation of an electronic collection system for freight transport:**
- ready technical task for the introduction of an electronic collection system for trucks and buses;
- ready recommendations of two optimal variants of technical solutions for implementation in the conditions of the Kyrgyz Republic and taking into account the planned amounts of funds to be collected from trucks and buses;
- **tasks on digitization:**
- functioning software for electronic accounting of technical conditions for the placement of road and roadside service facilities.

Reporting requirements:

Initial report - after 10 days, a schedule of work is provided; (information on performance is provided every month);

Interim reports on the work done to the team leader.

Completion Report - full information on the work done and achievements.

Qualification requirements:

Higher education in the field of IT technologies.

Experience in the specialty of at least 10 years.
 Knowledge of the architecture, construction and operation of automated control systems.
 Experience in drafting technical assignments for software development or automated electronic systems.
 Software development is an advantage.
 Knowledge of state and official languages at a level sufficient for the assignment.
 Interpersonal skills and teamwork.

Place of assignment:	Days / months	Dates
The main place of performance of services is the GRIP ADB office in MTR KR with periodic visits to the project site, if necessary.	6 month	Additional services are scheduled to begin on May 1, 2019, subject to ADB approval. The contract is valid until March 1, 2020.
Contract Period (specify if periodically)	Periodically	-