

**Terms of reference for
Construction Supervision Engineer (National, 2 positions, total inputs: 24
person-months)**

A. Background

The Government of the Kyrgyz Republic has launched Enhancing climate resilient ground water management approaches project and has requested funding from the Asian Development Bank (ADB), to implement the project.

To support the Government of the Kyrgyz Republic in implementing the above project, the Asian Development Bank (ADB) provided a grant under the SMALL EXPENDITURE FINANCING FACILITY (SEFF) activity no.6.

The goal of the project is to rehabilitate and construct on-farm tube wells (boreholes) in four districts as a long-lasting solution to adapt the agriculture sector to the climate change and provide uninterrupted supply of water to the farmlands, mainly in the lower end of the irrigation systems, to enhance food security, rural livelihoods and economic and social situations in these four districts.

Water Resources Service (WRS) of the Ministry of Agriculture (MA) of the Kyrgyz Republic is the executing agency of the project and intends to use part of the funds to engage two Construction Supervision Engineers for 12 person-months/each for project sites in two selected districts.

B. Objectives of the Assignment

The main purpose of this assignment is to assist in the successful implementation of the project through: (i) proper supervision of ongoing construction work; (ii) contract management and timely response to possible problems and prevention of possible problems, (iii) ensuring the quality of construction as required by national and international regulations and standards.

C. Scope of Services

The specific tasks of Construction Supervision Engineer will include, but are not limited to:

- Daily supervision of construction work in accordance with the drawings, technical specifications and work schedule provided by the Contractor and the Customer;
- Identifying and solving current problems;
- Checking the quality of work and providing relevant documents, laboratory test reports, verified work completion reports, testing reports (quality certificates, etc.) in accordance with the legislation of the Kyrgyz Republic;
- Checking the implementation of working drawings and estimates prepared by the contractor during the drilling of boreholes, installation of renewable energy sources (solar panels), installation of electrical transformers during construction of facilities of the project;
- Checking the scope of work performed and monthly reports provided by contractors;
- Monitoring geodetic surveys before and after the start of work to clarify the scope of actual work performed;
- Reviewing the inspection results and taking all necessary measures to eliminate defects;
- Preparation and registration of all instructions at the site;
- Monitoring compliance with health and safety standards at the facility;
- Monitoring compliance with environmental protection standards at the facility;

- Monitoring compliance with the rules for COVID -19;
- Maintaining statements of quantities of work;
- Checking the contractor's work completion certificates and their approval;
- Participation in acceptance of completed work;
- Monitoring the timely elimination of deficiencies identified during inspections;

Obligations of Construction Supervision Engineer:

- Responsible for the timely and high-quality performance of his duties;
- For the timely provision of reports and information on the facility;
- For the reliability of the volume and quality of work performed;
- For compliance of the work performed with the design parameters;
- Coordinates with the project author, if necessary, communicates deviations and changes to the project Communicates deviations and changes to the project as necessary;
- Prescribes, prepares acts of quality of work and informs the PIU;
- Signs certificates of percentages and monthly reports of the PIU

Organization of work / coordination with the Executing Agency

Technical supervision engineer should work in close cooperation with the Irrigation Specialist (Chief Engineer of the PIU), the Regional Engineer of the PIU, consultants and specialists of the PIU on safeguards and environment, and with the relevant departments of the Water Resources Service and its regional departments, and with the regulatory authorities of the Kyrgyz Republic.

D. Reporting and approval procedures

Technical supervision engineer provides the following reports on the progress and implementation of work:

- Providing monthly, quarterly and annual reports to the Chief Engineer of the PIU with all supporting documents, and regularly informing about the progress of work;
- All prepared materials will be accepted and approved by the PIU Chief Engineer on the progress of work; Chief Engineer's comments will be submitted within 10 days after submission of materials.

Contribution of the Customer

The PIU will provide to the Construction Supervision Engineer all available data and any other documents related to the assignment.

Minimum Qualification requirements:

- Higher education in the field of hydrotechnical melioration or water supply.
- Experience as an engineer supervising hydraulic construction and borehole drilling.
- Experience in projects financed by IFIs.
- High level of professionalism confirmed by letters of recommendation.
- Relevant certificates, including the qualification certificate on engineering services (hydraulic engineering).