



Islamic Republic of Afghanistan
Capital Region Independent Development Authority
Project Management and Implementation Division



Proj.-Code	Location	Program / Type / Project / Division / Dept / Sub Dept	Document / Sub Document / Reference / Revision
AFG/KBLKBL/Gen	KBLKBL	Pg-1Pg-1/STST/Pr-1Pr-	OL/ICR ICR

TERMS OF REFERENCE

Title of Post: Quality Control Engineer (Road, Structures & Water Supply)

Project Title: Capital Region Independent Development Authority (CRIDA)

Number of Positions: 6

Job Location: Kabul- Afghanistan

Announce Date: 24/07/2016

Closing Date: 29/07/2016

Duration: one year

Background:

As per the Presidential Decree No. 44 dated 23rd June 2016 based on Cabinet Resolution no 3 dated 30 April 2016 of the Islamic Republic of Afghanistan, in order to create safe urban environment and tackle the problems caused by ever increasing population growth in the capital considering the concentrated economic activities and services provision, Dehsabz City Development Authority (DCDA) has been promoted to Capital Region Independent Development Authority (CRIDA) having the authority as Independent Budgetary Unit and Governmental profitable entity within the organizational structure of the Islamic Republic of Afghanistan.

The capital region comprises the Kabul city including its all districts, Maidan Shahr City of Maidan Wardak Province, Charikar City and the districts of Bagram and Jabal Siraj of Parwan province, Mahmud Raqi City and Kohistanat district of Kapisa Province, Pul-i-Alam City and Mohammad Agha and Khoshi districts of Logar Province. The total area of the capital region surrounds more than 7735 km².

Capital Region Independent Development Authority (CRIDA), not only develop Kabul New City Master Plans but also pave the ways for the development of Capital Region with broader visions which are briefly narrated as follows:

1. Transforming the Capital Region by turning it into a mega city that is clean, full of greenery, cultured with booming industries and commerce, sports and tourism and ultimately a city with all facilities that are available in any modern city of the world.
2. Building a metropolitan city that is self-reliant and sustainable, a city that has infrastructure and facilities of high standards with healthy physical environment.
3. Building a city that is free of ethnic, linguistic, racial and religious prejudices
4. Promoting urban culture and enhancing the standard of city life through development of the Capital Region.
5. Development of cities (through decentralization for balanced development) within the Capital Region by protecting the originality, historical value and organic linkages

with the existing Kabul city to transform the entire capital zone into a symbol of national unity.

CRIDA is currently looking for Quality Control Engineers in order to maintain the smooth process of development and as well to assure the desired quality in accordance to the approved design. The quality control engineers have vital role in providence of national asset by attaining durability, resistance and adaptability to the environment.

Reporting Line:

The Quality Control Engineer for Road will directly report to the Project Manager /PM Director.

Duties/Responsibilities: (Quality Control Engineer for Road)

Specific and key accountabilities and responsibilities outlined as below:

- Manage and organize the tasks and prepare detailed work plan (Weekly, Monthly and Annual)
- Prepare quality control manual, standards and procedures
- Review the design and drafting related tasks of the projects before the implementation stage
- Responsible for endorsing that the Road sections of the works are constructed in accordance with the design specification and approved drawings
- Ensuring all construction materials used and work performed are as per specifications
- Coordinate and collaborate with the Technician Engineer on required testing and the test results for the Roads section of the works
- Review and provide advice on technical specifications to ensure adherence to AASHTO and CRIDA standards.
- Review QA/QC site visit reports and materials testing reports to ensure sampling, testing and inspection of materials are carried out regularly and works are implemented in compliance with design specifications.
- To be familiar with Soil tests, coarse aggregate tests, Bituminous tests also with AASHTO and ASTM codes.
- Reviews and approves inspections, test plans and quality control plans from client/consultant.
- Identifies, analyzes and resolves problems and issues with quality assurance and control for site construction.
- Reviews and approves the sub-contractors' quality control reports, and conducts proper audit as well.
- Prepare daily QC report, weekly QC coordination meeting, monthly progress report, deficiency report, material supplying report and final inspection reports of onsite work
- Day- to - day management of the site, including supervising and monitoring the site labor force and the work of subcontractors
- Estimate quantities and cost of materials, equipment, labor any other necessities
- Overseeing quality control, health and safety matters on site.
- Assist the project manager in daily work.
- Coordinate and cooperate with relevant parties other site Engineers.
- Manage and organize all engineering files and technical documents.
- Undertaking any other duties as assigned by the Project Manager or Project Management Director.

Qualifications and skills:

- Minimum B.Sc. degree in Road Engineering. Higher degree will be preferred.
- Minimum 5 years of relevant experience
- Understanding the national and international codes and standards
- Experience in laboratory testing of materials
- Good knowledge of Ms. Office package, Civil 3D & other road related engineering software's;
- Familiar with disable oriented-design is an asset;
- Excellent writing and spoken Dari, Pashto and English are an asset;
- Good management and organization skill;
- Good communication skills

Duties/Responsibilities: (Quality control engineer (civil engineer))

Specific and key accountabilities and responsibilities outlined as below:

- Manage and organize the tasks and prepare detailed work plan (Weekly, Monthly and Annual)
- To keep the national and international engineering standards design and implementation of projects
- Make efficient use of modern technology during onsite construction work.
- Ability to design the structures independently and be able to work as a member of technical design team Ability to communicate the technical issues with the relevant parties in order to resolve the problems created during construction
- Perform structural design and analysis calculations using governing codes and standards, engineering formulas, skills, and experience if needed
- Assume the lead engineer's role on assigned projects.
- Perform Risk analysis on projects including structural option selection, economic viability, and environmental criteria.
- Drawing / CAD drafting ability.
- Strong mathematical skills
- Perform other related duties as assigned.

Qualifications and skills:

- Minimum B.Sc. degree in Civil Engineering. Higher degree will be preferred.
- Minimum 5 years of relevant experience
- Understanding the national and international codes and standards
- Experience in laboratory testing of materials
- Good knowledge of Ms. Office package, structure design related software's;
- Excellent writing and spoken Dari, Pashto and English are an asset;
- Good management and organization skill;
- Good communication skills

Duties/Responsibilities: (Quality control engineer (Water Supply Engineer))

Specific and key accountabilities and responsibilities outlined as below:

- Manage and organize the tasks and prepare detailed work plan (Weekly, Monthly and Annual)
- Control the construction process and develop regular quality control report
- Work includes designing and inspecting all aspects of water supply systems, to include piping in facilities, plumbing, and sewer system and water well installation
- Analyze risks associated with natural disasters;
- Ensure the quality of construction in accordance with national and international accredited standards
- Ensuring Quality Control and full Safety on Site.
- Make efficient use of modern technology During the construction process
- Ability to design and review of water supply system.
- Ensuring the quality of construction as per approved specifications through daily and weekly bases reports
- Liaise with other Divisions/Departments and staff in order to ensure timeline
- Ability to Prepare comprehensive technical reports in English and national languages
- Participate in meetings with actors in order to discuss achieve the target
- Others tasks as assigned

Qualifications and skills:

- Minimum B.Sc. degree in Water supply Engineering. Higher degree will be preferred.
- Minimum 5 years of relevant experience
- Understanding the national and international codes and standards
- Experience in laboratory testing of materials
- Good knowledge of Ms. Office package, Epanet & other water supply related engineering software's;
- Excellent writing and spoken Dari, Pashto and English are an asset;
- Good management and organization skill;
- Good communication skills

Applications:

To apply for the above position, please email your application, together with an update CV before 29th July 2016.

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CRIDA will not be able to respond to inquiries about application status and will only contact short-listed candidates.