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## Return of Qualified Afghans (RQA) Project -2019/2020

### Terms of Reference

#### Position Information:

Organization:	Ministry of Rural Rehabilitation - Regional Programs (RP)		
Job Title:	Infrastructure Specialist	Job Type:	Full Time
Number of Placements Available:	1	Closing Date:	2019/April/15
Gender:	<input checked="" type="radio"/> Male <input type="radio"/> Female	Contract Duration:	10 months with a possibility for extension up to 12 months in Total
Sector:	Engineering	Vacancy Number:	IOM-RQA 2019-2020 (MRRD) 004
Sub Sector:	Architecture		
Job Location (Province):	Kabul	City:	Kabul

#### Context:

Under the overall supervision of the Regional Programs Director and the direct supervision of the Kariz Department Head, the successful candidate will undertake the below mentioned responsibilities supporting the Regional Programs

#### Responsibilities:

- Ensure timely preparation of annual work plans targets and outputs as an integral part of the Annual Work Plan & Budget.
- Assist with carrying out final checks and verifications of all site plans, profiles, designs and cost estimation of the complete Kariz/irrigation schemes including all irrigation infrastructures e.g. field turnouts, drop structures, culverts, weirs
- Assist with checking dams and community access points coming from the design sections.
- Based on the site conditions modify already prepared designs of watercourse linings to fit the existing situation e.g. (a) precast parabolic lining segments (PCPS) respective to discharge carrying capacity (b) in-situ lining (c) brick and stone lining or (d) simple earthen improvements of schemes.
- Undertake a desk review of ongoing and proposed Kariz/ irrigation and water management measures (design, scope of work, selection of construction material, implementation approach in the relevant pilot regions based on the plans, and discuss with the project team by teleconference the implementation approach and ways to improve them;
- Assist with preparing detailed design reports to justify the spending.
- Undertake trainings of the project field supervisors to properly supervise the civil works at the sites
- Monitor the implementation of the works by conducting site visits and provide guidance for improvement and good results.



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- Identify and propose proper construction materials as per the required standards and site locations.
- Under the guidance of the RP Director, coordinate all technical activities in the office and also on the site to make sure the construction/rehabilitation of Kariz/irrigation infrastructure is according to the engineering standards and local conditions.
- Perform hydraulic and structural design for the Kariz, irrigation and other related structures;
- Provide required drawings for the Kariz and irrigation Channel with its detail as per approved national and international standards;
- Review the Technical Manual Formats and operation manuals.
- Review the baseline data on infrastructure schemes related to beneficiaries.
- Review the infrastructure schemes particularly the small irrigation schemes' design to ensure compliance with the Environment and Social Monitoring Framework and incorporation of any required mitigation measures in the design.
- Prepare on a timely basis monthly quarterly and annual progress reports highlighting work plans progress key issues achievements and corrective actions taken.
- Any other tasks assigned by the Head of Programs.

**Educational qualifications:**

Bachelor degree in Civil Engineering, and Water Resources Engineering (Master Degree is Preferred)

**Experience:**

At least 2-3 years working experience in the relevant field

**Languages:**

Fluency in English, Pashto and Dari is required.