



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

### Terms of Reference

#### Position Information:

Organization:	Ministry of Energy and Water		
Job Title:	Renewable Energy Engineer	Job Type:	Full Time
Number of Placements Available:	1	Closing Date:	2019/April /15
Gender:	<input type="radio"/> Male <input checked="" 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 (MoEW) 003
Sub Sector:	Electrical Engineering		
Job Location (Province):	Kabul	City:	Kabul

#### Context:

Under the overall supervision of Deputy Minister of Energy and under the direct supervision of the Senior Energy advisor, the successful candidate will undertake the below mentioned responsibilities supporting the Renewable Energy Department.

#### Responsibilities:

- Prepare an action plan based on the requirements in accordance with the action plan of the Renewable Energy Department (RED).
- Design energy efficiency programs and provide recommendations that can reduce energy consumption should be function effected.
- Provide specialist support within the renewable energy department that would enable the increased uptake of electric power from indigenous sources of renewable energy.
- Consult and make recommendations on technical ideas to evaluate and ensure the implementation of Renewable energy policies.
- Collect information from various sources (laws, media, Internet, etc.) and analyze it for Renewable energy policy in accordance with the policies of the countries of the region and the world.
- Review of studies and report and providing technical inputs to the reports.
- Review design and prepare technical specification, concept note and proposals.
- Assist the RED in tariff collection, setting tariff, and operation & maintenance policy/guidelines.



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- Support RED to conduct detailed feasibility studies and detailed engineering designs of renewable energy projects;
- Create conceptual design layouts and electrical diagrams for solar power plants utilizing AutoCAD and Helios 3D Solar Park Planning software with engineering oversight.
- Create energy models for solar power plants utilizing PVSYST, HOMER software's.
- Provide technical support to RED for the entire life cycle of a project.
- Prepare site visit report's template on the monitoring and evaluation activities of all the solar, wind and hybrid systems;
- Familiar with electrical standards and other applicable state and local codes.
- Document lessons learned and provide technical guidance to less experienced staff.
- Transfer scientific experience impacts to the engineers and staff available in the office during work to capacity building;
- Provide the reports of monthly, quarterly and annual to the RED director.
- Perform any other duties and responsibilities that may be assigned by supervisors.

#### **Educational qualifications:**

- Bachelor's Degree in Electrical Engineering or Renewable Energy Engineering;
- Advance Degree in the above fields is preferred.

#### **Experience:**

- 2+ years of electrical engineering experience preferred
- Proficiency in computer and technical software's
- Excellent written and verbal communication skills
- Ability to work in a team environment as well as work independently
- Ability to coordinate and prioritize multiple projects and tasks

#### **Languages:**

- Fluency in spoken and written English and Dari languages