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

Terms of Reference

Position Information:

Organization:	Ministry of Energy and Water (MoEW)		
Job Title:	Electrical Engineer, Power System	Job Type:	Full Time
Number of Placements Available:	2	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 (MoEW) 001
Sub Sector:	Electrical Engineering		
Job Location (Province):	Kabul	City:	Kabul

Context:

Under the overall supervision of the 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 Power System Planning Department and Energy Policy department.

Responsibilities:

- Review and analyze utility pre-screen reports, System Impact Studies, and Interconnection Service Agreements.
- Prepare an action plan based on the requirements in accordance with the action plan of the energy policy department;
- Study elaboration policies in other countries in order to draft energy policy electrical energy Sub-sector.
- Design energy efficiency programs and provide recommendations that can reduce energy consumption should be function effected.
- Assist related departments in finalizing plans in power sector development, including cross border imports, contractual arrangements, power-import agreement reviews, a market based legal and regulatory framework that supports affordable private power, and collaboration with the government and ministries on improving use of indigenous fuels and renewable resources for power.



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- Consult and make recommendations on technical ideas to evaluate and ensure the implementation of energy policies;
- Give policy recommendations ideas to encourage the private sector to invest in the energy sector.
- Collect information from various sources (laws, media, Internet, etc.) and analyze for the energy policy in accordance with the policies of the countries of the region and the world.
- Perform electrical designs and calculations including AC and DC cable sizing, voltage drop, over-current protection, Arc-Fault and Ground-Fault protection, grounding system design, metering, and other design elements.
- Perform power system studies using Technical engineering software i.e. ETAP, DigSILENT, PSS/E.
- Provide technical support to Energy departments for the entire life cycle of a project.
- Familiar with Electrical Standards and other applicable state and local codes.
- Collate and analyses data on energy sector projects and provide recommendations.
- Research the energy sector human resource capacity.
- Document lessons learned and provide technical guidance to less experiences staff.
- Transfer scientific experience impacts to the engineers and staff available in the office during work to capacity building.
- Provide monthly, quarterly and annual reports to the related department director.
- Perform any other duties and responsibilities that may be assigned by supervisors.

Educational qualifications:

- Bachelor's Degree in Electrical Engineering- power system.
- Advanced Degrees in the above field 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;