



IOM International Organization for Migration

CALL FOR CVS

Position	:	Consultant (IBM/Rural Solar Power Expert (Assessment Advisor))
Organizational Unit	:	IBM
Duty Station	:	Abuja
IOM Classification	:	Consultant
Type of Appointment	:	Consultant, 36 working days within 4 Months Duration
CFCV No.	:	CFCV2019/96
Estimated Start Date	:	As soon as possible
Closing Date	:	Tuesday 20th August, 2019

Established in 1951, IOM is the leading inter-governmental organization in the field of migration and works closely with governmental, intergovernmental and non-governmental partners. IOM is dedicated to promoting humane and orderly migration for the benefit of all. It does so by providing services and advice to governments and migrants.

Context:

Under the supervision of the IBM Senior Program Manager, the successful candidate will work as a SPS consultant on the IOM project portfolios "Strengthening the Capacity of the Nigeria Immigration Service to Counter Irregular Migration from Nigeria" and "Building Border Management Capacity of the Nigerian Immigration Service By Strengthening the Migration Information Data System In Nigeria" which is funded by the Norwegian Ministry of Justice and Public Security, the Government of the Federal Republic of Germany.

Through IOM managed actions to-date, the Migration Information Data Analysis System (MIDAS) has been installed at Eighteen (18) border crossings around the country with funding from the European Union, Japan Ministry of Foreign Affairs, German Federal Foreign Office and German Cooperation, Government of Denmark and Swiss Confederation. Thirteen (13) of these sites are supported by Solar Power Systems (SPS). IOM in collaboration with NIS will equip one Border Control Post with Solar Power Systems and carry out upgrades and corrective work on one BCP previously installed with Solar Power System. The main objective of this contract is to engage the services of a Rural Solar Power Expert (Assessment Advisor) to assess specific needs and provide detailed specifications for the provision of solar power systems.

Core Functions / Responsibilities:

1. Participate in on-site field assessments at three (3) NIS State Command as part of a team led by IOM Nigeria and Nigeria Immigration Service.
The consultant will assess the specific needs for each site to provide adequate solar electric power for new computer systems to be installed at the locations. The computer systems set up will be designed for maximum power efficiency and will be minimalist in nature. The following technical issues will be among those addressed:
 - site orientation and recommendation on best kind, number and placement of solar panels, inverters and battery systems, and wiring appendages;
 - power interface issues with other electrical power sources, ensuring their best integration with the solar sources while ensuring full solar capacity to the data systems in the event of failure of alternate supplies;
 - appropriate considerations on the operation of the systems throughout the year, considering specially extended rainy season performance issues;
 - Other technical details that may be required to ensure the most appropriate sustainable and fully effective solar power systems at these sites.
2. Participate in an in-depth discussion with IOM Immigration and Border Management Unit team at IOM Abuja and contribute to the report preparation of the assessment of sites visited
3. Support the tender publication process for the supply of solar equipment for installation at the selected sites and participate in bids evaluation process with IOM project management and procurement team.
4. Assist IOM in assessing Solar Power installation materials received from vendor to ascertain adherence or deviation to required specification and in providing any further technical clarifications with the selected vendor.

5. Directly manage the installation of the SPS at the selected sites
6. Carry out a comprehensive assessment of the SPS at BCPs with previous installations and test installed inverter systems including the batteries and other accessories and advice accordingly. Develop an SOP on the active maintenance of the SPS for optimal performance. Carry out maintenance work whenever such is requested.
7. Provide a comprehensive report to IOM on the assessment carried out for the whole SPS design and for each of the sites assessed.
8. Participate in an in-depth discussion of the final report to the IOM Immigration and Border Management Unit team at IOM Abuja
9. Perform other duties as may be assigned.

METHODOLOGY:

The following methodological approach is proposed at a minimum, and is to be further refined by the respective consultant in the methodology section:

- a. General situation analysis and needs assessment;
- b. An analysis of structures and potential participation in the NRM. The participation analysis should cover all actors with a direct or indirect influence on the NRM structure.

Tangible and Measurable Output of the work assignment

- Interim report based on Task #1
- Interim specific site reports as work progresses, based on Task #2
- Detailed technical specifications for service contracts to maintain the systems based on Task #3
- Detailed technical specifications for IOM's subsequent bid or tender procurement of the equipment based on Task #3
- Detailed site reports with full technical specifications and equipment recommendations for each site (BCPs and any other project involving SPS installation in IBM), and other pertinent information on key issues for solar installation and use based on Tasks #4 and #6
- Provision of a final report synthesizing all site information into a cogent overview of integrity, functionality and efficiency of IOM's SPS designs and installations, and inclusion of specific recommendations with technical detailing, based on Task #5,#6 and #7.

Required Qualifications and Experience

- A post-graduate degree in Solar Energy Technology, Electricals, Physics, or related field from accredited academic institution.
- Minimum Six years' experience with solar energy infrastructure, electrical systems and solar panels installations
- Demonstrated experience in building codes and complete installations in conformity with them
- Excellent customer service skills
- Great ability to wire equipment into the power grid
- Extensive knowledge on proper mount installation
- Computer literacy including, proficiency in MS Office applications.
- Excellent social and inter-cultural skills.
- Ability to work with colleagues from varied cultures and professional backgrounds.
- Ability to analyze and interpret source information and data. Analytical thinker and an eye for details.
- Personal commitment, efficiency, empathy, flexibility, drive for results, respect for diversity, creative thinking, and organized

Languages

Fluency in **English**; knowledge of French advantageous;

Required Competencies

Values

- Inclusion and respect for diversity: respects and promotes individual and cultural differences; encourages diversity and inclusion wherever possible.
- Integrity and transparency: maintains high ethical standards and acts in a manner consistent with organizational principles/rules and standards of conduct.
- Professionalism: demonstrates ability to work in a composed, competent and committed manner and exercises careful judgment in meeting day-to-day challenges.

Core Competencies – behavioural indicators

- Teamwork: develops and promotes effective collaboration within and across units to achieve shared goals and optimize results.
- Delivering results: produces and delivers quality results in a service-oriented and timely manner; is action oriented and committed to achieving agreed outcomes.
- Managing and sharing knowledge: continuously seeks to learn, share knowledge and innovate.
- Accountability: takes ownership for achieving the Organization's priorities and assumes responsibility for own action and delegated work.
- Communication: encourages and contributes to clear and open communication; explains complex matters in an informative, inspiring and motivational way.

Others

Only Nigerian Nationals are eligible to apply and appointment will be subject to certification that the candidate is medically fit for appointment.

Women are encouraged to apply

How to apply:

Interested candidates are invited to submit applications via email to **HRNIGERIA@iom.int** indicating position applied on subject line **by Tuesday 20th August 2019.**

For the applications to be considered valid, IOM only accepts applications with a cover letter not more than one page specifying the motivation for application, addressed to **Human Resources, International Organization for Migration (IOM)** and with a subject line **CFCV2019/96 Abuja. Consultant (IBM/Rural Solar Power Expert (Assessment Advisor)**

All applications should include a functional email address, mobile numbers and detailed curriculum vitae (CV).

Posting period:

From 07.08.2019 to 20.08.2019