



**GOVERNMENT OF THE COMMONWEALTH OF THE BAHAMAS
THE MINISTRY OF FINANCE
THE RECONSTRUCTION WITH RESILIENCE IN THE ENERGY SECTOR IN THE
BAHAMAS (RRESB) PROGRAM
INDIVIDUAL CONSULTANT**

MICROGRID ELECTRICAL ENGINEER CONSULTANT POSITION AVAILABLE

This notice is placed on behalf of The Ministry of Finance (MoF) to provide background information regarding the objectives of the MoF to enable interested persons who meet the stated and other criteria to determine their eligibility and respond to this advertisement to offer their services under the requirements of the project. The Government of the Commonwealth of The Bahamas (GoB) has received financing from the Inter-American Development Bank (IADB) under loan # BH-L1048 (the Program) to partially/totally fund the contract cost.

SUMMARY OF BACKGROUND INFORMATION

The PEU established within the MoF will be responsible for the overall execution of the Program Components. In general terms, the PEU will be responsible for carrying out all the operational and fiduciary, financial management and procurement obligations, including social and environmental safeguards. The PEU will be staffed with a team of technical and fiduciary staff who will conduct the Program coordination, administration, legal, communication, environmental, financial management and monitoring and controlling responsibilities, among others. Each component will be advanced by a technical team who will assist the Program Coordinator (PC), ensuring that activities are addressed effectively so as to achieve project goals within the prescribed timeframe. The GoB is seeking a consultant to assume overall responsibility for various activities and support services pertaining to a Microgrid Electrical Engineer (MEE) who answers directly to the Program Coordinator.

DESCRIPTION OF ENGAGEMENT

The general objective of the consultancy is to provide Microgrid Electrical Engineering Services of the Program as part of the PEU, and in accordance with the stipulations contained in the Loan Contract and the Program Operations Manual (POM). The Microgrid Electrical Engineer will support the technical design and implementation of the microgrid and solar photovoltaic (PV) projects to be developed by the Program. The MEE will also be responsible for developing the technical documents and the monitoring of this kind of projects. The MEE will work in close coordination with the contractor for the supervision of the quality of the works and in the compliance with the designs.

FUNCTIONS AND RESPONSIBILITIES

The *Microgrid Electrical Engineer* is expected to:-

- Support the technical implementation and coordination of the Program, especially those related to the microgrid and solar PV projects in coordination with: (i) the Program

- Coordinator, Energy Electrical Engineer, Electrical Engineer, Procurement Specialist and the Financial Specialist of the PEU; and (ii) the Ministry of Finance.
- Planning, coordinating and management of the PEU's technical activities related to the microgrid and solar PV projects.
 - Participating in the preparation of The Program's Annual Operational Plan (AOP) as input for the preparation of the Procurement Plan (PP).
 - Collaborating with MOF and the PEU in the elaboration of the Technical Specifications, Terms of Reference (TOR), and timelines for the execution of the procurement activities of the Program, based on the Annual Operational Plan (AOP) and the Procurement Plan (PP).
 - Prepare technical documents for the TOR and Technical Specifications needed for the procurement processes.
 - Assistance with preparing the technical documents for the Requests for Proposals (RFPs), tender documents, and quotation requests following Standard Bidding Documents (SBD) issued by the Bank or bidding documents based on the SBD that are acceptable to the Bank.
 - Technical review, cross-checking and confirming the cost estimations of the works, goods and services to be acquired, and liaising with the Procurement Specialist, Energy Electrical Engineer and Financial Specialist to ensure the availability of the budgetary funds to support the procurement processes.
 - Assisting in contract negotiations and the preparation of works contracts.
 - Assisting in confirming information from the MOF on the compliance by contractors and vendors with contractual times, and the state and quality of the goods, services and works delivered.
 - Contributing to the adequate technical administration of the contracts, while providing the necessary support to the Program Coordinator with respect to the monitoring and supervision of technical works done by the PEU and stakeholders (BPL, Grand Bahama Power Company -GBPC-, Utilities Regulation & Competition Authority -URCA-, contractors, etc.).
 - Participating in the preparation and maintenance of the POM, focusing on the technical implementation of works and the preparation of technical documents, and ensuring alignment with the procurement policies and guidelines of the Bank.
 - Preparing the periodic technical reports of the Program as established in the POM, and as part of the monthly, bi-annual, annual and ad hoc reports prepared for the Bank and the MOF, in addition to preparing technical reports regarding the execution of The Program.
 - Perform other duties as assigned by the Program Coordinator.

EDUCATION SKILLS AND EXPERIENCE

- Minimum of a Master's degree and Bachelor's degree in Electrical/Mechanical Engineering, Renewable Energies or a related area.
- Certification in Renewable Energies, Project Management, Public Management or a related Field.
- Minimum of ten (10) years of general professional experience, preferably in the Caribbean or Latin America region. A minimum of five (5) years of experience in microgrids and/or solar PV projects.
- Proficiency in English (knowledge of Spanish is an asset).

- Experience in the preparation/supervision of feasibility studies or technical specifications of microgrids or solar PV projects.
- Experience in the supervision/monitoring of construction and installation of microgrids or solar PV projects.
- Knowledge of:-
 - o the energy industry in general and renewable energies.
 - o electrical energy economics and its application to planning, projects and operation of electric power systems.
 - o electricity distribution projects, including interconnection of power plants to the grid.
 - o battery energy storage systems in conjunction with solar photovoltaic installations.
 - o regulation of electric utilities and distributed generation.
- Good judgment and problem solving.
- Excellent communication (oral, written, presentation) and interpersonal skills.
- Professional and resourceful style and ability to work independently and in a team-oriented setting.
- Ability to take initiative and manage multiple tasks simultaneously.

SELECTION PROCESS

The individual for the consultancy will be selected in accordance with the Consultants' Qualifications Selection procedures set out in the Inter- American Development Bank: Policies for the selection and contracting of consultants financed by the Inter-American Bank (Document GN-2350-15). Note that the Government of the Commonwealth of The Bahamas has the authority to reject any and all proposals without an explanation. Procurement notices will be posted online at www.bahamas.gov.bs CVs must be delivered by e-mail by **5:00pm, Wednesday, March 17, 2021** to reconrenewableenergy@bahamas.gov.bs.