



MINISTRY OF SCIENCE, ENERGY AND TECHNOLOGY

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Terms of Reference

Chief Technical Expert – Generation Procurement Entity

Background and Context

The Generation Procurement Entity (GPE) was re-established January 2020 by way of Cabinet Decision No. 1/20 dated January 6, 2020 and pursuant to Section 20 (1) of the Electricity Act, 2015 “for the purpose of processing new generating capacity...” and Subsection (2) “...shall manage and administer the process for the procurement, by means of competitive bidding, of generation capacity by potential Independent Power Producers (IPPs) for sale of electricity to the Single Buyer.” Such IPPs may be local and/or international which the GPE would be required to engage in an open and transparent manner.

The GPE is responsible to lead and manage the implementation and replacement of baseload generation in keeping with the Integrated Resource Plan (IRP) which projects a twenty-year electricity generation for the country. Based on the IRP, new electricity generation capacity of 513.5MW is to be procured by 2025.

The Chief Technical Expert will provide advice to the GPE on all areas of generation capacity, procurement of generation capacity, monitoring of the construction of generation facilities, development of protocols, systems and rules for the good governance, transparent operations and effective implementation of the mandate of the GPE.

Job Purpose

The Chief Technical Expert will provide technical advice to the GPE in the procurement of new generation capacity for the electricity grid and on bilateral discussions and the monitoring of the construction of generating facilities. The incumbent will also provide technical support in the development of legislation, regulations, standards and technical processes relating to the work of the GPE.

Key Outputs

1. Technical expertise provided
2. Proposals reviewed and assessed
3. Technical briefs prepared
4. Technical documents reviewed

5. Collaboration with stakeholders provided
6. Construction activities monitored
7. Protocols, rules and systems established
8. Meetings attended
9. Reports prepared

Key Tasks and Responsibilities

The scope of services provided by the Consultant will include, but not limited to:

1. Providing technical expertise to the GPE to lead, develop and manage a comprehensive programme for new generation capacity in the electricity sector.
2. Reviewing current policies and providing recommendations for measures to improve and strengthen the legislative, regulatory and policy frameworks to enable the effective implementation of the procurement of additional generating capacity to the national grid.
3. Reviewing, assessing and interrogating proposals from local, regional and international entities for the procurement of electricity generation.
4. Developing metrics for the evaluation of proposals received by the GPE
5. Advising the procurement committee on all technical matters relating to electricity generation procurement.
6. Monitoring the construction of the generating facilities.
7. Preparing reports as required by the GPE for the Minister, the Cabinet and its committees.
8. Establishing such protocols, rules and systems for the good governance, transparent operations and effective implementation of generation capacity
9. Attending external meetings if required by the GPE, to provide technical support.
10. Collaborating with the Office of Utilities Regulation (OUR) and the Jamaica Public Service to provide technical support for the development of RFPs
11. Reviewing technical updates as laid out by the IRP Unit of the Ministry of Science, Energy and Technology (MSET)
12. Providing timely technical review of documents submitted to the GPE for consideration

Deliverables and Timeframe

- Provide the GPE with the requisite technical specifications within a month of initiation of the development of a request for proposal (RFP).
- Provide written advice on technical issues associated with the operation of local generators, referred to the GPE, within ten (10) working days of receipt.
- Develop an evaluation scheme to assess the technical component of proposals submitted to the GPE, within two (2) months of engagement with the Entity.
- Provide technical notes within two (2) working days of attending a meeting (10) working hours.
- Provide written briefs for the GPE within stated timeline.
- Prepare and implement within the stated timeline, a schedule of monitoring activities relating to the construction of facilities.

Management

The Technical Advisor will report directly to the GPE through its Chairperson.

Competencies

1. Communication
2. Facilitation
3. Management
4. Knowledge of the Electricity Act 2015

Qualifications and Experience

1. Master's Degree in Electrical Engineering (at least one level in Power Engineering)
2. Minimum of ten (10) years of relevant professional experience
3. Experience in dealing with development partners is an asset
4. Project management experience and/or certification is an asset

Remuneration

As determined by the Ministry of Finance and the Public Service.