



Government of the Republic of Trinidad and Tobago

Ministry of Energy and Energy Industries

Request for Submission of Expression of Interest for Utility Scale Renewable Energy Projects

New submission Date: March 8th 2018

Investment Opportunities in Trinidad & Tobago for Grid Integrated Renewable Energy Power Generation

Overview

The Government of the Republic of Trinidad and Tobago (GoRTT) has recognized that the path to sustainable development of our nation should encompass low carbon development, environmental sustainability, economic viability and social inclusivity. In recognition of the critical importance of Renewable Energy (RE) and Energy Efficiency (EE) in the drive towards sustainable development, GoRTT, through the Ministry of Energy and Energy Industries (MEEI) wishes to pursue the development of utility scale power generation from renewable energy sources. The MEEI is hereby seeking Expressions of Interest from suitably qualified developers to Build, Own and Operate renewable energy projects with installed capacity of 3 MW or greater. It is intended that the implementation of these projects will put GoRTT on the path towards achieving its target of 10% power generation from RE Sources by 2021. The initial RE target is 195 MW by 2021. Submissions are hereby invited from suitably qualified local or international firms with local joint venture partnerships for the design, construction, commissioning, operation, maintenance and financing of renewable energy generation projects.

Submissions shall comprise the following:

- i. **Clear description of the Applicant and each joint venture partner, if applicable**
- ii. **Description of renewable technology** – A clear and concise description of the technology and any processes involved.
- iii. **Project technical details and specifications.**
- iv. **Location of proposed project** (approximate direction and distance from nearest town) – Inclusive of potential uses of the site at the end of project life, continuing operation, re-developing the site, or decommissioning of the project infrastructure. If unknown, then **Land requirements and terms.**
- v. **Arrangements under which the respondent will be able to occupy its proposed site to build and operate.**
- vi. **Project installed capacity (MW)** – The total installed capacity must be at least 3MW (theoretical capacity if working at maximum output).
- vii. **Estimated total capital cost of project (\$US) and energy production (MWh/year).**
- viii. **Project timelines (months)** – Estimated time for each phase of the project from conceptualization to completion inclusive of the terminal elements and summary elements of the project.
- ix. **Financing capability and mechanisms** – Undertaking of economic and financial evaluations as well as financing mechanisms in sufficient detail as a basis for making the investment decision.
- x. **Environmental implications** – Environmental assessment in accordance with the existing rules of the Environmental Management Authority (EMA) of Trinidad & Tobago, as well as a social impact assessment.
- xi. **Grid Storage** – Percentage of renewable energy integrated energy storage solutions for utility scale projects.
- xii. **Interconnection** – Ability to interconnect into T&TEC's Grid at 66kV level ideally.

Submissions may provide for renewable power generation from various sources inclusive of but not limited to wind and solar. Applicants should note that no resource assessment data is available and any proposed project should be premised on this fact. Applicants may submit proposals using different technologies and of different power generation capacities as separate packages and each such submission will be assessed independently.

In order to demonstrate the applicant's experience under items (i) and (iii), the applicant shall provide relevant project references of similar investment volume, nature and complexity. The applicant shall submit reference forms demonstrating name and location of the project, capacity of the plant, technology, role of the applicant or consortium member in the project, cost and financing structure, level of equity provided, etc.

CV's of the lead personnel on the proposed project team are to be submitted, highlighting their relevant industry experience. A note in the respondent's submission explaining the relationship with the proposed manufacturers, project financing and their ability to integrate their proposal with the existing electricity grid will be very helpful in assessing and prequalifying respondents at this stage.

Contact Information:

The contact data shall include: •Applicant Name and Contact Person • Address •Telephone number • Fax number • E-mail address

The contact information will be used for issuing clarifications or addenda concerning this EOI.

Applicants are required to confirm receipt of any E-mail from MEEI - within 48hrs.

Potential applicants are required to email their contact data to: **RE_projects@energy.gov.tt**

EOI evaluation would result in a shortlist of contractors who would then be invited to respond to a Request for Proposal (RFP) to carry out the scope of works outline above. In the case of developers forming a consortium, experience of all consortium members will be taken into account for the evaluation of the Expressions of Interest. The Applicant will be responsible for providing sufficient information to allow the MEEI to evaluate their submission.

The aforementioned information should be submitted **electronically** and in **two (2) hard copies** to the Ministry of Energy and Energy Industries (MEEI) at the latest by 4:00pm (Eastern Standard Time) on **8th March 2018**, and to be clearly marked "EOI - Investment Opportunity in Utility Scale Renewable Energy Projects", to the following address: Ministry of Energy and Energy Industries (Head Office), Levels 15 & 22-26, Energy Tower, International Waterfront Centre, #1 Wrightson Road, Port of Spain, The Republic of Trinidad and Tobago.

Ministry of Energy and Energy Industries .
December 8th, 2017