STRATEGY FOR ENERGY EFFICIENCY DEVELOPMENT IN THE BAHAMAS

Request for Qualifications: T.G. Glover Primary School Energy Retrofits Engineering, Procurement and Construction for the Government of The Bahamas

THE MINISTRY OF THE ENVIRONMENT AND HOUSING

Issue Date: November 25, 2020

Submission Deadline: December 21, 2020

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Project Name: T.G. Glover Primary School Energy Retrofits Project

Point of Contact Ministry of Environment & Housing: Rhianna Neely
Date of Issue: November 25, 2020
Submission Deadline: December 21, 2020

Task and Objective: The Government of The Bahamas via the Ministry of the Environment and Housing is publishing this Request for Qualifications (RFQ) to be provided to prospective bidders for the proposed T.G. Glover Primary School Energy Retrofits Project, New Providence, The Bahamas.

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List of Abbreviations

Abbreviation	Meaning
BESS	Battery Energy Storage System
EE	Energy Efficiency
EPC	Engineering, Procurement and Construction
GoB	Government of The Bahamas
INDC	Intended Nationally Determined Contributions
MoEH	Ministry of Environment and Housing
O&M	Operations and Maintenance
PV	Photovoltaic
RE	Renewable Energy
RFP	Request for Proposal
RFQ	Request for Qualifications
RMI	Rocky Mountain Institute
SSRG	Small-Scale Renewable Generation

I. INTRODUCTION

The Government of The Bahamas via the Ministry of the Environment and Housing is issuing this Request for Qualifications for interested parties to provide information to qualify for a future tender for Engineering, Procurement and Construction (EPC) services for an Energy Retrofit project at the T.G. Glover Primary School, Horseshoe Drive, Nassau N-3913, The Bahamas. This Energy Retrofit project includes rooftop solar PV and a battery energy storage system (BESS) integrated with the electrical loads plus energy conservation measures. The GoB would be seeking proposals to undertake this project through the EPC contract modality.

The project is intended to:

- Increase renewable energy penetration by the installation of a rooftop solar PV array at the T.G. Glover Primary School which is expected to reduce the energy demands of the facility. This will have an immediate and measurable impact on energy costs, while improving the comfort of students and faculty.
- Provide an environmentally friendly source of energy to the schools.
- Integrate RE and existing technologies in a seamless manner to improve the quality and reliability of electricity services at the school while maximizing the efficiency of the joint systems.
- Increase the energy resilience of the school thereby minimizing interruptions to school operations due to electricity outages from the utility, Bahamas Power and Light (BPL).
- Contribute to The Bahamas climate change mitigation strategies, outlined as part of The Bahamas' INDC, which aim at incorporating a minimum of 30% renewables into the energy mix by 2033.

Through this RFQ process your company is invited to submit information to be assessed for qualification to participate in the later RFP round.

This RFQ document contains the following information:

- Project Information – Section II
- Qualification Requirements – Section III
- EPC Prequalification Form – Annex 1

II. PROJECT INFORMATION

One of six priority areas of the Bahamas National Energy Policy 2013 – 2033 is the development of renewable energy sources such as solar, ocean energy, biofuels, waste-to-energy and wind. The long-term vision for the energy sector is built on ten fundamental elements one of which is: "An energy sector that is environmentally sustainable with significantly increased use of economically viable renewable energy sources".

There are four inter-related goals underpinning the energy policy, all designed to achieve the vision for the energy sector. The achievement of these four goals would lead to the following two results:

(1) Diversification of the country's energy supply mix to achieve greater energy self-sufficiency, optimizing development and utilization of indigenous energy resources.

(2) Taking advantage of emerging technologies that will reduce the country's dependence on fossil fuels and allow for greater use of renewables and other forms of energy. The National Energy Policy 2013-2033 sets a target of 30% renewables in the energy mix by 2033.

The MoEH is the national agency responsible for environmental protection and planning. It is also the coordinating ministry with responsibility for overseeing the integrity of the Bahamian environment in order to ensure sustainable development. **The MoEH will serve as the executing entity for this project as it is the ministry responsible for renewable energy and energy efficiency implementation throughout The Bahamas.**

Recognizing the impacts climate change will have on The Bahamas, climate change mitigation strategies outlined as part of The Bahamas' INDC aims at incorporating a minimum of 30% renewables into the energy mix by 2033. Electricity generation and the transportation sector are the main users of fossil fuels in the country, dictating fuel imports and energy demands. To compliment the engagement of renewable energy, policies for energy efficient building codes will be developed and will allow for a 10% Residential Energy Self Generation Programme within the same year.

Retrofitting the T.G. Glover Primary School to be powered by solar PV during normal school hours presents not only an opportunity to reduce GHG emissions through the use of RE, but also provides for research, demonstrates the efficacy of this source of RE to build development resilience, allows for greater energy security at the facility, and fosters social interaction opportunities within the school and the surrounding neighborhoods. Several EE interventions would also aid in the reduction of the school's energy consumption and carbon footprint. In addition, the battery energy storage system will provide dedicated standby power to various areas of the school during utility grid outages.

Energy usage at the school varied widely from year to year since its opening for various reasons. Electricity rates are expected to increase by 3% per year. The goal of offsetting a significant percentage of the facility's electricity usage with RE and EE is expected to be achieved with the installation of a 150kW-200kW roof-mounted solar PV system plus an appropriately sized battery energy storage system along with energy conservation measures.

The GoB recognizes that projects involving energy savings are important from a development perspective through reducing the impact on its natural resources and abating atmospheric emissions and GHGs and other environmental damage arising from fossil fuel-based energy production and use.

III. SELECTION CRETIRIA

A selection panel will evaluate and score the RFQ submissions using the following point scales:

EPC:

Evaluation Criteria	Points
Submission Completeness / Organisation / Legal	5
Financial Qualifications	20
Service Provider Insurance / Bonding	5
Service Provider Health and Safety	5
Team Experience, Work Approach & Task Description	10
Solar PV Project Experience/References	40
Key Team Members/Engineering Qualifications	15
	100

III a. Scoring

Evaluators would assess submissions using the evaluation criteria and assign scores accordingly. Where appropriate, half marks would be given. The sum of the individual scores would determine the bidder's total score.

Thresholds

An overall threshold of 75-points would initially be in effect. The goal is to invite eight to ten bidders to proceed to the RFP stage. The threshold of 75-points may be adjusted to accommodate the RFP invitation goal.

IV. QUALIFICATION REQUIREMENTS

In order to develop a list of qualified firms MoEH requests that bidders complete the attached prequalification form, Annex 1, and include a statement of qualifications related to solar PV and battery storage projects and EPC services. The completed prequalification form and statement of qualifications are requested by 11:59 PM ET on December 21, 2020 All submissions received after the deadline will be rejected.

The completed prequalification form and statement of qualifications should be sent as PDF document(s) electronically via the MoEH email address minofenvironmentandhousing@bahamas.gov.bs, with subject: **T.G. Glover Primary School Energy Retrofits Project RFQ.**

Materials provided will be shared with the Rocky Mountain Institute for the purpose of evaluating qualifications and determining eligibility to bid on the project. Once the final bidders list for the RFP is determined, each respondent to the RFQ would be notified as to whether or not they qualify to advance to RFP stage.

Annex 1 – EPC Prequalification Form

GOVERNMENT OF THE BAHAMAS
Annex 1 – T.G. GLOVER PRIMARY SCHOOL ENERGY RETROFITS PROJECT EPC PRE-QUALIFICATION FORM

1.0 Organisation

1.	Company Name	
2.	Company Website	
3.	Main Contact Name, Branch Office Address, Telephone Number and e-mail	

2.0 Type of Business Organisation

NB: Please provide certified copies of original documents defining the legal status, registered office, and principal place of business as well as written confirmation of power of attorney of the signatory of the bid to commit the bidder.

2.1 CORPORATION

1.	Location of Corporation	
2.	Date of incorporation	
3.	Chief Executive (or equivalent) Officer's Name	
4.	Does the company have Perpetual Corporate Existence? ___ YES ___ NO If NO, what is the end date of the Company?	
5.	Parent Company, if any	
6.	Parent Company Location and date of incorporation	

2.2 PARTNERSHIP/LIMITED PARTNERSHIP

1.	Location Partnership Formed	
2.	Date of Formation	
3.	Term of Partnership	
4.	Partners' Names, Addresses and Interests Held	

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2.3 SOLE PROPRIETORSHIP

1.	Years in Business:	
2.	Name(s) under which you do business:	

2.4 COUNTRY(IES) IN WHICH LICENSED TO DO BUSINESS

1.	National/Nationwide or List Countries:	

2.5 PROJECT/JOBSITE INFORMATION

1.	Have you ever been asked to withdraw from a jobsite?___ YES ___ NO If yes, when, where, why?:

2.6 VALID TAX COMPLIANCE CERTIFICATE

1.	Have you a valid Tax Compliance Certificate for the countries listed in 2.4 above? ___ YES ___ NO If yes:	
	Tax Compliance Certificate Number & Country	

3.0 Banking Information

1.	Name of Institution	
2.	Address	
3.	Telephone	
4.	Contact Name/Title	

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NB: Please provide a letter giving the Ministry of the Environment & Housing authority to seek references from the Bidder's bankers

4.0 Bonding Information

1.	Name of Bonding Company	
2.	Address	
3.	Contact Name/Title	
4.	Telephone	
5.	E-mail	
6.	Bonding Capacity in US$	

5.0 Insurance Information

1.	Insurance Company	
2.	Address	
3.	Telephone	
4.	Contact Name/Title	
5.	Agent Name, City, Phone	
6.	Types and Amounts of Insurance Coverages:	

6.0 Financial Information

1.	Has the company or any of its affiliated companies, officers, directors, or partners ever been declared insolvent, filed a petition in bankruptcy and/or had a receiver appointed? ___ YES ___ NO If yes, when, where	

GOVERNMENT OF THE BAHAMAS
Annex 1 – T.G. GLOVER PRIMARY SCHOOL ENERGY RETROFITS PROJECT EPC PRE-QUALIFICATION FORM

7.0 References

7.1 PROJECT EXPERIENCE – EPC SOLAR PV / BATTERY STORAGE / SOLAR PV+BATTERY STORAGE MICROGRID

NB: References from solar PV plus battery storage microgrid projects will score higher than solar PV only or battery storage only projects.

Provide descriptions of 4 reference EPC projects delivered in the past five (5) years:

1.	**PROJECT 1 - SOLAR PV/ STORAGE/ SOLAR PV + BATTERY STORAGE MICROGRID**	
	Project Name	
	Project Location	
	Project Type (PV, BESS, PV + BESS)	
	Owner's Name/Location	
	Owner's Contact	Name:
		Address:
		Phone/e-mail:
	Engineer	Company Name:
		Location:
		Contact Name/Phone/e-mail:
	Contract Amount	$
	Type of Contract (i.e., firm lump sum, cost plus, unit price, etc.) & Completion Date	
	Description of Work Performed (PV & BESS Capacities; Roof, ground or carport PV; Battery chemistry; AC or DC coupling)	

2.	**PROJECT 2 - SOLAR PV/ STORAGE/ SOLAR PV + BATTERY STORAGE MICROGRID**	
	Project Name	
	Project Location	
	Project Type (PV, BESS, PV + BESS)	
	Owner's Name/Location	
	Owner's Contact	Name:
		Address:
		Phone/e-mail:

GOVERNMENT OF THE BAHAMAS
Annex 1 – T.G. GLOVER PRIMARY SCHOOL ENERGY RETROFITS PROJECT EPC PRE-QUALIFICATION FORM

	Engineer	Company Name:
		Location:
		Contact Name/Phone/e-mail:
	Contract Amount	$
	Type of Contract (i.e., firm lump sum, cost plus, unit price, etc.) & Completion Date	
	Description of Work Performed (PV & BESS Capacities; Roof, ground or carport PV; Battery chemistry; AC or DC coupling)	

3.	**PROJECT 3 - SOLAR PV/ STORAGE/ SOLAR PV + BATTERY STORAGE MICROGRID**	
	Project Name	
	Project Location	
	Project Type (PV, BESS, PV + BESS)	
	Owner's Name/Location	
	Owner's Contact	Name:
		Address:
		Phone/e-mail:
	Engineer	Company Name:
		Location:
		Contact Name/Phone/e-mail:
	Contract Amount	$
	Type of Contract (i.e., firm lump sum, cost plus, unit price, etc.) & Completion Date	
	Description of Work Performed (PV & BESS Capacities; Roof, ground or carport PV; Battery chemistry; AC or DC coupling)	

4.	**PROJECT 4 - SOLAR PV/ STORAGE/ SOLAR PV + BATTERY STORAGE MICROGRID**	
	Project Name	
	Project Location	
	Project Type (PV, BESS, PV + BESS)	
	Owner's Name/Location	

GOVERNMENT OF THE BAHAMAS
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	Owner's Contact	Name:
		Address:
		Phone/e-mail:
	Engineer	Company Name:
		Location:
		Contact Name/Phone/e-mail:
	Contract Amount	$
	Type of Contract (i.e., firm lump sum, cost plus, unit price, etc.) & Completion Date	
	Description of Work Performed (PV & BESS Capacities; Roof, ground or carport PV; Battery chemistry; AC or DC coupling)	

NB: Please provide a reference letter from owner(s) for at least two of the projects listed above.

7.2 EPC ENGINEERING

Engineering

1.	List the solar PV/storage industry design tools and versions that you have licensed products to use:		
2.	How many of the following resources do you have dedicated to renewable energy project engineering/design, procurement and management and how many years of industry experience do they have on average?		
	Professionals (by discipline):	No.:	Average years of industry experience:
	Solar PV Design		
	BESS Design		
	Electrical Design		
	Other Disciplines		
	Project Managers		
	Procurement Professionals		
3.	Provide a copy of your Company Engineering/Design Quality Control process.		
4.	Provide recent examples that your Engineering/Contractor Team performed for Solar PV/storage project work in the *Caribbean*.		

7.3 PERSONNEL

Provide a list of field management and supervisory personnel with qualifications and length of time in your employ (include resumes).

7.4 SUBCONTRACTORS

What portion of your contracts do you typically subcontract? _____%

7.5 EQUIPMENT

Provide a list of relevant assessment and test equipment available (indicate owned or rented and quantity).

7.6 SCHEDULING

1.	What method of scheduling do you use in administering and monitoring construction projects (e.g. Microsoft Project, Excel, Visio, PeopleSoft, GigaPlan, etc.)? List computer software utilized:	

7.7 COMPLETION SCHEDULE

In the past three (3) years, how many of your solar PV/BESS/microgrid projects have taken more time than the agreed Owner's completion schedule? _____

8.0 Health and Safety Information

Does your company have a written Environmental, Health & Safety (EHS) Program? ____Yes ____No

If yes, please provide a copy as an attachment.

Please provide safety record data or information and comment on any areas of your company's EHS program and policies that you feel will be appropriate in our evaluation.

9.0 Financial Statements

NB: Any company whose financial statements are provided would have to be a party to the EPC contract with the Government of The Bahamas

Attach a copy of the most recent full year financial statements which must include:

- Audited statements including independent auditor's opinion
- Annual revenue
- Cash on hand

10.0 Legal

Litigation

1.	Has there been any litigation between your company and any governments and/or companies? ___ YES ___ NO If yes, list Court, Case Name and Number	

11.0 Conflict of Interest

Please provide a statement establishing that the Bidder (including all members of a joint venture) are not associated, nor have been associated in the past, directly or indirectly, with any staff member of the Government of The Bahamas having responsibility for preparing or having knowledge of specifications and other bidding documents for these services.