



Caribbean Community Climate Change Centre

March 12th 2020

Re: *Invitation for Bids: “Design, Supply, Installation and Commissioning of 4.5 MW Solar photovoltaic generation and 2.0 MW MicroTurbine systems and other Components for specified Barbados Water Authority Pumping Stations”:*

Ref: *ICB No. Contract # 13/2020/WSRN S-Barbados/GCF/CCCCC:
Response #5 to Additional Queries Raised*

Dear Sirs,

We write with reference to *paragraph 7.1 of the Instructions to Bidders (ITB)* that addresses the subject of '*Clarification of Bidding Documents*'. In accordance with paragraph 7.1 of the ITB, a Bidder requiring any clarification of the Bidding Document shall contact the Centre (the Employer) in writing or raise enquiries during the pre-Bid meeting. The Centre / Employer shall: (i) respond in writing, provided the clarification is requested prior to the deadline for clarification and (ii) forward its response to all potential bidders who acquired the Bidding Document. The Centre / Employer is also required to include in the response a description of the inquiry without identifying its source.

The **additional** queries received to date and Centre's responses are as follows:

Query #66:

Could you provide the exact delimitation of the fields (including the coordinates of the points that delimit the fields) available for the installation of the photovoltaic systems?

Query #67:

Please provide plot layout / topography for sites.

Answer to #66 & 67:

Please see the Plot layouts for **Lots 1 2, 3** attached as **ANNEX A**. Lot 4 will be located within the existing pumping station compound at Belle.

Query #68:

Can you present the keyhole markup language zipped (KMZ file)s for all lots?

Answer #68:

Please see related information on plot layout in **ANNEX A**, provided in PDF format. This responds adequately to this request.



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Query #69:

What term of warranty is indicated for the equipment to be provided?

Answer #69:

This is answered in various paragraphs of Section VII of the Bidding Document already. See Summary Table below for your convenience:

Type	Period	Reference Section
Bidder's complete system-level warranty including no-cost replacement of any defective system components from the commissioning date.	3 years	VII-103
Manufacturer's guarantee/warranty against any manufacturing/design/installation defects for the mechanical structures, electrical works and overall workmanship of the PV system	5 years	VII-507
Manufacturers guarantee/Warranty for PV modules to maintain ninety percent (90%) of initial rated output	10 years	VII-512
Manufacturer's guarantee/Warranty for PV modules to maintain eighty percent (80%) of initial rated output	25 years	VII-512
Manufacturer's guarantee/warranty must be provided for the inverter(s), with replacment or repair within two (2) weeks of notification.	10 years	VII-512
Bidder's guarantee/warranty period on performance, material and workmanship for all microturbine equipment	36 months	VII-614

Query #70:

Please share an SLD available.

Answer #70:

Please see separate Single Line Diagrams for Lots 1, 2 and 3 attached as **ANNEX B**.



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Query #71:

Will a Weighting for Technical and Economic Evaluation be applied?

Answer #71:

The weighting will be as follows:

Technical Evaluation maximum of 100 points x 0.6 weighting = 60 weighted points

Economic Evaluation maximum of 100 points x 0.4 weighting = 40 weighted points

Maximum total: 100 weighted points.

Section III of the Bidding Documents will be amended accordingly.

Query #72:

Please provide the number that all Bidders should use for their calculation on payback.

Answer #72:

Bidders can use a FIT of USD \$0.15/kWh exported to the grid for calculation purposes.

Query #73:

Please clarify the O&M period.

Answer #73:

For all FOUR (4) Lots: There is a required minimum operations and maintenance period of 6 months post-commissioning of the system. Please see Section VII – Employer’s Requirements, Paragraph 103 (3) (vi).

Query #74:

Please provide fencing specifications.

Answer #74:

Fencing is required for **Lots 1 and 2 ONLY**. Please see ANNEX C for specifications.

Query #75:

Do you have any additional information on the national gas connection? This is necessary as this will affect the cost.

Answer #75:

Please see answers to Clarification No. 3, responses numbers 11 and 28, issued on March 09th 2020.



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Query #76:

Please provide specifications for the existing installed transformer at Bowmanston Pumping Station .

Answer #76:

Please see description for existing transformer at **ANNEX D**. Please note that transformers are required only for **Lots 1 and 2**.

Query #77:

Where will the energy meters be located?

Answer #77:

Bidders are to design their systems so that the energy meters are easily accessible by the Barbados Light and Power Company.

Query #78:

Will any auxiliary electrical power be provided by the BWA pumping stations during construction? (As an example to charge batteries of hand tools).

Answer #78:

Yes, the Beneficiary will have access to auxiliary electrical power available to the Contractor for basic needs, such as charging batteries for hand tools.

Query #79:

Can aluminium cables be used or only copper cables are permitted?

Answer #79:

Bidders are restricted to the use of copper cables only on the AC side.

Query #80:

Please clarify Training Requirements.

Answer #80:

Please refer to Section VII of the Bidding Documents, paragraphs -103, -516 and -617

Kind regards,

Maxine Alexander Nestor, Procurement & Legal Officer
