

# Disaster Risk and Energy Access Management (DREAM) Project

Project Status report

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## PROJECT STATUS REPORT

October to December 2016

1. **EXECUTING ENTITY:** Office of the Prime Minister
2. **IMPLEMENTING ENTITY:** Division of Energy and Telecommunications  
Prime Minister's Office
3. **NAME OF PROJECT:** Disaster Risk and Energy Access Management (DREAM)
4. **FUNDING AGENCY:** Global Environmental Fund (GEF)
5. **STAGE OF THE PROJECT:** Implementation
6. **DESCRIPTION OF THE PROJECT:**

The objective of the Project is to reduce greenhouse gas emissions from fossil fuel-based power generation by demonstrating the exploitation of renewable energy resources for electricity generation in Barbados. To achieve this objective and strengthen the country's Disaster Risk Response (DRR), the Project will promote decentralized solar photo-voltaic electricity generation in Barbados at community development centers and poly-clinics throughout the country. Project activities will include (i) the strengthening of the country's renewable energy policy framework including a grid stability analysis and assistance in the strategic planning of RE investments; (ii) increasing the awareness and capacities of appropriate institutions and individuals to support renewable energy developments in Barbados; and (iii) installations of solar photovoltaic demonstration projects at community development centers, polyclinics and schools. The lessons learned from the demonstration projects will be utilized to scale-up investments for other solar photovoltaic and renewable energy installations in the public and private sector, all aimed at achieving a greater share of renewable energy in the energy mix of Barbados.

7. **PROJECT DATES:**

Programme Period:	2012-2016
Atlas Award ID:	00082952
Project ID:	00091628
PIMS #	5186
Start date:	1 July 2015
End Date:	30 June 2018
Management Arrangements:	NIM
PAC Meeting Date:	2 June 2015
Agreed by Government:	15 December 2015
Agreed by Executing Entity / Implementing Partner:	14 December 2015
Agreed by UNDP:	14 December 2015

**8. PROJECT COSTS:**

Total resources required	\$32,626,484
Total allocated resources	\$32,626,484

GEF	\$ 1,726,484
DoET	\$30,500,000
UNDP	\$ 400,000
<b>Total</b>	<b>\$32,626,484</b>

**9. TOTAL EXPENDITURE TO DATE AND BALANCE REMAINING:**

Reference Date:	1 <sup>ST</sup> June 2016
Total Project Budget:	USD \$1,726,484.00
UNDP Direct Payment Request:	USD \$ 347,650.00
Division of Energy :	USD \$ -
Balance remaining:	USD \$1,378,834.00

**10. FINANCING IN CURRENT FINANCIAL YEAR: (Approved Annual Budget)**

OUTPUT	KEY ACTIVITIES	BUDGET DESCRIPTION	AMOUNT USD
<b>1.3</b>	Strengthened licensing procedures	International consultants	\$13,000.00
		Grants	\$50,000.00
		Local Consultants	\$152,000.00
<b>2.1</b>	Awareness raising programs	Contractual Services - companies	\$25,000.00
<b>3.3</b>	Solar PV demonstration projects	Materials and goods	\$672,000.00
		Local Consultants	\$23,000.00
		Contractual Services - companies	\$15,000.00
	Project management	Professional services	\$3,000.00
		Office supplies	\$1,000.00
		Local Consultants	\$16,000.00
		Contractual Services - companies	\$6,000.00
		Communication & AV equipment	\$500.00
		<b>TOTAL</b>	<b>\$976,500.00</b>

## 11. SUMMARY OF PROGRESS TO DATE:

- 11.1 The second Steering Committee Meeting was held on 26<sup>th</sup> October 2016. During this meeting members of the Steering Committee were updated with the progress to date and presented with the 2017 work plan and budget.
- 11.2 It was agreed during the second Steering Committee Meeting that monthly Progress meetings would be held in an effort to get the project back on target. The project is presently behind schedule.
- 11.3 A meeting to review Dr. Roland Clarke's submissions was held on 6<sup>th</sup> December 2016. During this meeting the Draft application form and Draft Terms and Conditions were reviewed with Dr. Clarke. Official feedback on these submissions is still required by The Division and the Electric Light and Power Act Committee.
- 11.4 Three (3) quotations for the Public Awareness Activities were received. These quotations still have to be evaluated and contracts awarded.
- 11.5 Eleven (11) bids were received for the tender for 35 Photovoltaic systems at community and resource centres. The bids were assessed by the Tender Evaluation Committee and a recommendation put forward to the Special Tenders Committee for their approval.
- 11.6 Comments on the Draft report resulting from the UNDP's Harmonised Approach to Cash Transactions (HACT) – Micro-Assessment is still outstanding.
- 11.7 Mr. Stuart Bannister has been issued a contract by the UNDP to carry out the site visits on the polyclinics and assist in the preparation of the next PV tender. He has begun the site visits to the polyclinics and has begun preparing reports of his findings.
- 11.8 Regarding the various sub-components and activities, their status are detailed as follows:

*Component 1 – Output 1.3: Approved and strengthened licensing procedures for Renewable Energy Projects*

- 11.9 Dr. Clarke submitted the Draft Terms and Conditions which were to be read in conjunction with the Draft Application Form on 17<sup>th</sup> October 2016.
- 11.10 Dr. Clark's contract expired on 30<sup>th</sup> June 2016. His contract was extended to 30<sup>th</sup> December 2016 with the following revised deliverable dates:
- 11.11 August 21, 2016 - Submission of literature review  
August 29, 2016 - Submission of application form  
September 12, 2016 - Draft Licensing Regime (b) (Deliverable) (40%)  
November 21, 2016 - Final utility licensing regime and application form (Deliverable) (25%)
- 11.12 A meeting was held on 6<sup>th</sup> December 2016 with the Division to review the Draft Application Form and Draft Terms and Conditions that were submitted.

- 11.13 During this meeting only the Draft Application Form was reviewed. It was agreed that a second meeting will be held on 6<sup>th</sup> January 2016 to review the Draft Terms and Conditions.
- 11.14 Since the review process will extend beyond the present contract period, Dr. Clarke's contract will need to be extended. Dr. Clarke has agreed to this extension.
- 11.15 The Division agreed to approve payment of this deliverable.
- 11.16 The Division of Energy expressed concern that they lack the capacity to properly review Dr. Clarke's submissions and would like an external consultant to peer review his submissions.
- 11.17 The UNDP agreed to assist in this regard by searching for such competencies within the organization. It was also suggested that the World Bank and IRENA may be able to assist.

*Component 2 – Output 2.1: Renewable Energy Awareness raising programs at community and resource centres*

- 11.18 Three (3) proposals were received for the Public Awareness activities from BREA, UWI and Liz Cupples.
- 11.19 Two (2) of the three (3) proposals were within budget.
- 11.20 Preliminary review of the proposals revealed that one focused on the event as an attraction to create interest while the other was fairly technical, focusing on the technical content of the information to be dispersed.
- 11.21 It was suggested that both proposals, that were within budget, be used as three (3) public awareness activities are required in the project. The first activity could be to create interest and enroll persons for the second activity, which would be more of a technical workshop. Feedback from the this technical would feed into the third and final activity.
- 11.22 The assessment and recommendation for the public awareness activities will be prepared to reflect this and put forward to the Division for approval.
- 11.23 Public Awareness activities were scheduled for October and November this year. This activity will be delayed as the assessment of the proposals still have to be carried out.

*Component 3 – Output 3.3: Solar Photovoltaic demonstration investment projects*

- 11.24 The tender closed on 2<sup>nd</sup> November 2016. The public opening took place at Central Purchasing Department on 3<sup>rd</sup> November 2016.
- 11.25 Eleven (11) bids were received. Ten (10) were deemed compliant and one (1) was deemed non-compliant.

- 11.26 The tender evaluation committee consisted representatives from the following organizations:
- The Division of Energy and Telecommunications
  - Government Electrical Engineering Department
  - National Sport Council
  - Ministry of Social Care, Constituency Empowerment and Community Development
- 11.27 The procurement specialist from the Division of Energy and a representative from the UNDP were observers to the evaluation process.
- 11.28 Two (2) tender evaluation meetings were held at the Division of Energy. The first meeting was held on 16<sup>th</sup> November 2016 and the second was held on 21<sup>st</sup> November 2016.
- 11.29 During the first meeting the eleven (11) bids were assessed for technical compliance. Three (3) bids were found to be technically compliant.
- 11.30 During the second evaluation meeting the three (3) compliant bids were assessed by cost. One tenderer was the lowest cost on all four (4) bid lots and it was recommended that they be awarded all four (4) bid lots.
- 11.31 The evaluation report was prepared and circulated for signatures by all members of the evaluation committee.
- 11.32 The signed report was then submitted to Special Tenders Committee for approval on Friday 25<sup>th</sup> November, 2016.
- 11.33 The Special Tenders Committee did not meet on Thursday 1<sup>st</sup> December 2016 due to the 50<sup>th</sup> anniversary of Independence celebrations. The next meeting is scheduled for Thursday 8<sup>th</sup> December 2016.
- 11.34 Three (3) locations earmarked for the installation of a PV systems require Builder's Work. A written request for assistance in the preparation of the the Civil works design for the centres that require Builder's Work to house the PV equipment, was sent to the Ministry of Transport and Works.
- 11.35 One (1) location earmarked for the installation of a PV system requires an electrical upgrade of the main incoming supply. It was agreed that three (3) quotations be obtained for this work.
- 11.36 The Terms of Reference for the consultancy to investigate back-up requirements was shared with Government Electrical Engineering Department and their comments were received.
- 11.37 Mr. Stuart Bannister completed initial visits to all nine (9) polyclinics and is in the process of preparing the first interim report of initial findings.
- 11.38 Mr. Bannister's contract was issued by the UNDP.

**PROBLEMS ENCOUNTERED/ISSUES TO BE RESOLVED:**

*Component 1 – Output 1.3: Approved and strengthened licensing procedures for Renewable Energy Projects*

- 11.39 Both the Division of Energy and the Electric Light and Power Act Committee still have to comment on Dr. Clarke's submissions before the final documents are prepared and submitted.
- 11.40 Peer review of Dr. Clarke's submissions has to be carried out.
- 11.41 Dr. Clarke's contract will have to be extended again.

*Component 3 – Output 3.3: Solar PV demonstration investment projects*

- 11.42 The PV contract cannot be awarded until the Special Tenders Committee approves the selection. In an effort to save time, work on the preparation of contract documents have begun pending the approval of the Special Tenders Committee.
- 11.43 One centre requires electrical upgrade. It is presently 120V and needs to be upgraded to 220V in order to pass the electrical inspections required during the installation of the photovoltaic installation. Quotations for this work have to be obtained.
- 11.44 Three sites require builder's work. Enclosures have to be built to house the photovoltaic equipment for protection. This requires civil engineering design. Assistance was requested to carry out this design. The work then has to be priced and carried out.
- 11.45 It was agreed that the works outlined in 11.42 and 11.43 will be carried out under a separate contract.
- 11.46 Investigation of back-up requirements of the centres still has to be completed. This investigation is required to determine which loads should be powered by the Photovoltaic system. It is outside the scope of this tender to investigate back-up requirements and re-wire existing circuits so that they may be powered by the photovoltaic system.
- 11.47 ToRs have been prepared for the consultancy to carry out the work outlined in 11.45. Proposals to carry out the work need to be sought.
- 11.48 After the consultancy identified in 11.47 has been completed, the electrical circuits will need to be re-wired into the PV power panel. This will require another procurement process.

12. **BRIEF SUMMARY OF WORK PLANNED TO NEXT REPORT DATE:**

Component 1 – Output 1.3: Approved and strengthened licensing procedures for Renewable Energy Projects

12.1 Prepare and circulate comments on the Draft Application Form.

Component 2 – Output 2.1: RE Awareness raising programs at community and resource centres

12.2 Assess quotations and make recommendations to the Division.

12.3 Award contract.

Component 3 – Output 3.3: Solar PV demonstration investment projects

12.4 Obtain approval from the Special Tenders Committee on the tender evaluation and recommendation report.

12.5 Prepare and negotiate contract with the successful tenderer.

12.6 Issue Terms of Reference for the electrical consultant to obtain quotations.

12.7 Carry out site visits with the Ministry of Transport and Works to the three (3) sites that require builders works.