



**Millennium  
Development  
Authority**  
Economic Growth and Poverty Reduction



Our Ref: MiDA/CEO/01/037

Tuesday, October 16, 2019

Chief of Staff  
Office of the President  
Jubilee House  
Accra

*Attention: H. M. Wood  
Ag. Chief Director*

Dear Sir,

**RE: SUBMISSION OF 2019 THIRD QUARTER PERFORMANCE REPORT  
(OFFICE OF GOVERNMENT MACHINERY)**

Your letter referenced OP/FA-147/398/02 and dated June 21, 2019 in relation to the above subject matter refers.

In response to the request, we submit herewith, the 2019 Third Quarter Performance Report for the Millennium Development Authority (MiDA). The Report covers Activities under the Ghana Power Compact Program.

Yours faithfully,

  
Martin Eson-Benjamin  
Chief Executive Officer

*Encl.*

Cc: Ing. Julius Kwame Kpekpena  
Chief Operating Officer, MiDA

Dr. Kofi A. Marfo  
Director, M&E and Economics, MiDA



MILLENNIUM  
CHALLENGE CORPORATION  
UNITED STATES OF AMERICA



**MILLENNIUM DEVELOPMENT AUTHORITY  
(MiDA)**

**GHANA COMPACT II**

**July-September 2019 Performance Report**

**October 2019**

**Ghana Compact II Theme**

*"Powering Ghana for Accelerated and Sustainable  
Economic Growth"*

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## GLOSSARY OF ABBREVIATIONS

|          |  |
|----------|--|
| AG       | Attorney General                                     |
| BCS      | Bid Challenge System                                 |
| BSP      | Bulk Supply Point                                    |
| CAMM     | Contract Administration and Management Manual        |
| CAP-Scan | Capacity Scan  |
| CIF      | Compact Implementation Funding                       |
| CP       | Condition Precedent                                  |
| DMS      | Document Management System                           |
| ECG      | Electricity Company of Ghana Ltd                     |
| EEC      | Energy Efficiency and Conservation                   |
| EEDSM    | Energy Efficiency and Demand Side Management         |
| EPA      | Environmental Protection Agency                      |
| ERP      | Enterprise Resource Planning                         |
| ESMS     | Environmental and Social Management System           |
| ESH      | Environment Social and Health                        |
| ESP      | Environmental and Social Performance                 |
| ESIA     | Environmental and Social Impact Assessment           |
| FAT      | Factory Acceptance Test                              |
| GIS      | Geographic Information System                        |
| GoG      | Government of Ghana                                  |
| GSA      | Ghana Standards Authority                            |
| GSI      | Gender and Social Inclusion                          |
| HSESCA   | Health Safety Environment Social Capacity Assessment |
| HVAC     | Heating, Ventilation, and Air Conditioning           |
| ICC      | Interconnecting Circuits                             |
| IDIQ     | Indefinite Delivery Indefinite Quantity              |
| IE       | Implementing Entity                                  |
| IEA      | Implementing Entity Agreement                        |
| IFB      | Invitation for Bids                                  |
| IFC      | International Finance Corporation                    |
| IPM      | Integrated Planning Model                            |
| IPP      | Independent Power Producer                           |
| LCU      | Loss Control Unit                                    |
| MCC      | Millennium Challenge Corporation                     |
| M&E      | Monitoring and Evaluation                            |
| MiDA     | Millennium Development Authority                     |
| MoEn     | Ministry of Energy                                   |
| MoE      | Ministry of Education                                |
| MoF      | Ministry of Finance                                  |

|       |  |
|-------|--|
| MoU   | Memorandum of Understanding                                |
| NaCCA | National Council for Curriculum and Assessment             |
| NARUC | National Association of Regulatory Utilities Commissioners |
| NEDCo | Northern Electricity Distribution Company Ltd              |
| NFOT  | NEDCo Financial and Operational Turnaround                 |
| PAP   | Prioritized Action Plan                                    |
| PIA   | Program Implementation Agreement                           |
| PIU   | Program Implementation Unit                                |
| PMC   | Program Management Consultant                              |
| PO    | Purchase Order   |
| POM   | Procurement Operations Manual                              |
| PoW   | Progress of Work   |
| PPG   | Program Procurement Guidelines                             |
| PSP   | Private Sector Participation                               |
| PSWU  | Public Services Workers Union                              |
| PURC  | Public Utilities Regulatory Commission                     |
| PUWU  | Public Utility Workers Union                               |
| RCE   | Resettlement and Community Engagement                      |
| RfP   | Request for Proposals                                      |
| RPP   | Regulatory Partnership Program                             |
| SGIP  | Social and Gender Integration Plan                         |
| SoW   | Statement of Works   |
| STEM  | Science Technology Engineering and Mathematics             |
| TA    | Technical Assistant  |
| TER   | Technical Evaluation Report                                |
| TOR   | Terms of Reference   |
| TP    | Tariff Plan  |
| TVET  | Technical and Vocational Education Training                |
| VO    | Variation Order  |
| VRA   | Volta River Authority                                      |

## **PART ONE: EXECUTIVE SUMMARY**

### **A. Introduction**

This Report covers Program performance for the period of July 1 to September 30, 2019, and captures Activities undertaken by the Millennium Development Authority (MiDA) toward the implementation of the Ghana Power Compact Program.

The Report also identifies challenges to the successful execution of the Compact and strategies put in place to ensure successful implementation of Activities.

In the period under review, significant progress was made in procurement of Service Providers and in the implementation of Contracts that have already been awarded. Expected support from Implementing Entities was forthcoming.

### **B. Highlights of July-September 2019 Achievements**

During the reporting period, MiDA achieved the following major Milestones:

#### **ECG Financial and Operational Turnaround (EFOT) Project**

- A major Milestone was achieved under the Private Sector Participation (PSP) Activity when the Assets and Operations of ECG were transferred to the Power Distribution Services Ghana Limited (PDS) under a Concession Agreement on March 1, 2019. However, the Government of Ghana announced on July 30, 2019 that the Concession Agreement had been suspended because it had been detected that there were issues with the Payment Securities (Demand Guarantees) that were provided by PDS. The Government's action has led to a freeze on some Project activities.
- Signed Contract for the implementation of the Upgrade of the Data Center and Communication Network (DCCN).
- Completed Evaluation of Bids for the Korle Gonno, Kanda, Kotobabi and University of Ghana Teaching Hospital (UGTH) Primary Substations, and the Interconnecting and Offloading Circuits.
- Signed Works Order Contracts with the three selected Contractors, namely Messrs. MBH Power Ltd, Messrs. Best and Crompton Engineering Ltd, and Messrs. Power Factor Ltd, for the LV Bifurcation and Network Upgrade.

#### **Access Project**

- Signed Contract for the Customer Outreach, Normalization and Facilitation Assistance Services.

#### **Regulatory Strengthening and Capacity Building Project**

- The National Association of Regulatory Utility Commissioners (NARUC) of the USA submitted the Final Report on the Organization and Structuring of Partnership.

#### Energy Efficiency and Demand Side Management (EEDSM) Project

- Completed the adoption and gazetting of Standards for the following Electrical Products: Blender, Water Heater and Kettle.
- Completed the Household Listing for Survey of Energy Consumption and Appliance Use Pattern in Ghana.
- Completed the Investment Grade Energy Audit (IGEA) of the two (2) replacement Buildings.
- Finalized the Sustainable Energy Course Syllabi for Training of Trainers and Energy Professionals.
- Finalized the Course Content for the Sustainable Energy Audit Professional (SEAP) Certification, Sustainable Energy Management Professional (SEMP) Certification, and Energy Audit Practical (EAP) Certification.
- Completed the "Needs Assessment on Energy Efficiency and Conservation (EEC) Updates in 30 selected Pre-Tertiary Schools.
- Signed three (3) Contracts for the Street Lights Replacement Works.

#### Environment and Social Performance

- Implemented the Resettlement Action Plan (RAP) for Properties along the Pokuase - Kwabenya Road affected by the construction of the Pokuase Bulk Supply Point (BSP) Interconnecting Circuits (ICC).
- Implemented the RAP for the construction of the Kasoa BSP.
- Secured Lease Agreement for the Land on which the Katamanso Primary Substation is to be constructed.
- Developed RAP and Community Engagement Plans for the LV Bifurcation and Network Improvement Works.

#### C. Challenges

- Pending a decision by the Government of Ghana on the future of the Concession Agreement with PDS, which is currently suspended, there have been no new commitment of Funds for Project Activities since September 2019, with the exception of few cases where MCC has given authorization. This has held up progress of work, with the risk that there would be inadequate time to implement some major Investments that are on the Critical Path.

## PART TWO: PLANNED SECTOR ACTIVITIES AND DELIVERY

### 2.1 INTRODUCTION

On 5<sup>th</sup> August 2014, the Millennium Challenge Compact between the Republic of Ghana and the United States of America was signed. The goal of the Compact, which focuses on Ghana's Power Sector, is to reduce poverty through economic growth in Ghana; and its objectives are to:

- Increase Private Sector Investment and the productivity and profitability of Micro, Small, Medium, and Large Scale Businesses.
- Increase employment opportunities for men and women.
- Raise earning potential from Self-employment and improved social outcomes for men and women.

The Ghana Power Compact Program (also referred to as Ghana Compact II) has a Budget of US\$ 498.2 million, consisting of two Tranches of Program Funding amounting to US\$ 469.3 million and a Compact Implementation Funding (CIF) of US\$ 28.9 million. In addition, there is a Government of Ghana (GoG) contribution of not less than 7.5% (i.e. US\$ 37.4 million), bringing the total Compact Funds to US\$ 535.6 million. The Tranche II Funds, which amounts to US\$ 190 million of the total, became available from September 6, 2018, after meeting a number of Conditions Precedent (CPs).

The Compact Program originally consisted of the following six (6) Projects:-

- Distribution Projects
  - ECG Financial and Operational Turnaround (EFOT) Project
  - NEDCo Financial and Operational Turnaround (NFOT) Project
  - Access Project
- Generation Projects
  - Regulatory Strengthening and Capacity Building (RSCB) Project
  - Power Generation Sector Improvement (PGSI) Project
  - Energy Efficiency and Demand Side Management (EEDSM) Project

The Compact Program seeks to address identified challenges in Ghana's Power Sector by providing an overall framework for strengthening the Ghana Electricity Distribution System. This was to be achieved by helping the Electricity Company of Ghana (ECG) and the Northern Electricity Distribution Company (NEDCo) to reduce their Technical and Commercial Losses and attract the needed Investment. The Compact was also to provide Technical Assistance in the areas of Corporate Governance, Technical Capacity of Sector Regulators, and the integration of Gender issues into the operations of relevant Sector Agencies.

The expected outcome for the Compact Program at the time of Inception was the modernization



of the Power Distribution Companies and Capacity Building within the Power Generation Institutions in Ghana, and to present the Power Distribution Companies as credible Off-takers for prospective Independent Power Producers (IPPs).

Following the Mid-Term Review of the Program in February 2019, the NFOT and PGSI Projects were de-scoped. Some sections of the NEDCo Staff were opposed to the Management Contract component of the Project, thus stalling the work on the NFOT Project. In the case of the PGSI Project, most of the Activities planned under the Compact are being funded by the United States Agency for International Development (USAID).

This Performance Report captures Activities related to the following.

- Program Activities
  - Procurements
  - Distribution Projects
  - Generation Projects
  - Environment and Social Performance (ESP)
  - Gender and Social Inclusion (GSI)
- Monitoring and Evaluation
- Communications and Outreach

## **2.2 PROGRAM ACTIVITIES**

### **2.2.1 Procurements**

Procurement implemented by the Millennium Development Authority (MiDA) is in accordance with Compact requirements, the Program Implementation Agreement as well as MCC Program Procurement Guidelines (PPG) and MCC Guidance Papers. These Guidelines are further elaborated in the Procurement Operations Manual (POM) and Contract Administration and Management Manual (CAMM).

Contracts to the tune of USD 49,006,015 were signed in the Third Quarter of as indicated in the Table below.

**Contracts, Task Orders and Amendments signed in July-September 2019**

| Contract No.       | Description  | Method   | Type | Organization              | Contract Value USD | Date Contract Signed |
|--------------------|--|----------|------|---------------------------|--------------------|----------------------|
| 5140900            | RAP RFTOP 15   | IDIQ     | CS   | Sal Consult               | 170,130            | 4-Jul-19             |
| 5810500            | GRIDCo BSP Secretariat   | Shopping | G    | Global Appliance Ventures | 30,737             | 9-Jul-19             |
| 5420200            | Customer Outreach, Facilitation of New Connections and Normalization of Services in Accra and Tamale | QCBS     | CS   | Innovative Services       | 821,930            | 10-Jul-19            |
| 5140800-01         | ESH&S RFTOP 7  | IDIQ     | CS   | SAL Consult               | 78,950             | 22-Jul-19            |
| 5140200-01         | LV Bifurcation Achimota District   | IDIQ     | W    | Best & Crompton           | 7,346 194          | 17-Jul-19            |
| 5140200-02         | LV Bifurcation Kaneshie and Dansoman Districts   | IDIQ     | W    | MBH Power                 | 4,484,874          | 25-Jul-19            |
| 5140200-03         | LV Bifurcation Mampong Akwapim   | IDIQ     | W    | Power Factor              | 5,482,063          | 26-Jul-19            |
| 5140800            | ESH&S RFTOP 8  | IDIQ     | CS   | SAL Consult               | 85,850             | 2-Aug-19             |
| 5140900 - RFTOP 16 | Environmental & Social Performance (RAP Consultant)  | IDIQ     | CS   | Colan Consult             | 293,625            | 13-Aug-19            |
| 5140200            | Upgrade of ECG Data Center and Comms Network   | CB       | NCS  | IPMC                      | 9,834,844          | 15-Aug-19            |
| 5830100            | Independent Forensic Audit/Investigation of Demand Guarantees submitted by PDS                       | SSS      | SS   | FTI                       | 192,000            | 16-Aug-19            |

| Contract No.  | Description   | Method   | Type | Organization             | Contract Value USD | Date Contract Signed |
|---|---|----------|------|--------------------------|--------------------|----------------------|
| 5140900 - RFTOP 17  | Environmental & Social Performance (RAP Consultant) | IDIQ     | CS   | SAL Consult              | 335,260            | 23-Aug-19            |
| 5810500   | MiDA Laptops 2019                                   | Shopping | G    | ONK Group Ltd            | 18,787             | 24-Aug-19            |
| 5640200   | Street Lighting Replacement                         | CB       | W    | Elsewedy                 | 3,040,412          | 1-Aug-19             |
| 5640200   | Street Lighting Replacement                         | CB       | W    | Prefos                   | 3,919,074          | 13-Aug-19            |
| 5640200   | Street Lighting Replacement                         | CB       | W    | Process Plant Automation | 2,931,894          | 16-Aug-19            |
| 5140400   | BSP Interconnecting Circuits                        | CB       | W    | Best & Crompton          | 9,865,941          | 30-Aug-19            |
| 5140800   | ESH&S RFTOP 9                                       | IDIQ     | CS   | SAL Consult              | 73,450             | 30-Sep-19            |
| Total Contracts Awarded within the Quarter (1st July - 30th September 2019) |   |          |      |                          | 49,006,015         |                      |

Type: CS=Consultancy Services; NCS=Non-Consultancy Services G=Goods; W=Works;

### 2.2.2 Distribution Projects

The Power Distribution Sector Projects consist of the ECG Financial and Operational Turnaround (EFOT) Project and the Access Project. Progress made in these areas during the reporting period is summarized in the Table below.

## Status and Progress of Ongoing Program Activities, Distribution Projects

| Activity                           | Sub-Activity   | Current Quarter Progress  |
|------------------------------------|--|---|
| <b>EFOT Project</b>                |  |   |
| Private Sector Participation (PSP) |  | A major Milestone was achieved under the Private Sector Participation (PSP) Activity when the Assets and Operations of ECG were transferred to the Power Distribution Services Ghana Limited (PDS) under a Concession Agreement on March 1, 2019. However, the Government of Ghana announced on July 30, 2019 that the Concession Agreement had been suspended because it had been detected that there were issues with the Payment Securities (Demand Guarantees) that were provided by PDS. The Government's action has led to a freeze on some Project activities. |
| Modernizing ECG Operations         | Geographic Information System (GIS)  | The GIS Contractor, Hexagon, commenced the Data Migration process, covering 11 of the 14 Districts, and also commenced the Field Validation Exercise for three (3) of the 14 Districts.<br><br>Hexagon provided Training to PDS/ECG Staff working on the GIS System.  |
|                                    | Upgrade of Data Centre & Communication Network (DCCN) Consultancy                      | Negotiations were completed with IPMC, the Winning Bidder. The Contract was signed and Project Kick-off Meeting held in August 2019.  |
|                                    | Enterprise Resource Planning (ERP)   | The IFB Document was published, Pre-Bid Conference was successfully held and Clarifications and Responses to Questions were submitted to potential Bidders.   |
|                                    | Installation of Pre-Payment Meters (PPM) in Kaneshie District & AMR Meters at Critical | The planned installation of Prepayment Meters in Kaneshie District is on hold; it is dependent on the availability of Contingency Funds.<br><br>The Detailed Design for the Installation of Advanced Metering Infrastructure (AMI) is on-going.   |

| Activity                 | Sub-Activity  | Current Quarter Progress  |
|--------------------------|---|---|
|                          | Distribution Network Nodes  |   |
| Technical Loss Reduction | Construction of Korle-Gonno, Kotobabi, Kanda and Legon Primary Substations & Interconnecting Circuits                 | Bids were submitted on August 2, 2019, and the Technical Evaluation Report was submitted to MCC on August 30, 2019 for their "No Objection".  |
|                          | Construction of Additional Primary Substations & Interconnecting Circuits (at Dunkonah, Katamanso, Oyarifa and Anyaa) | Detailed Designs (excluding Anyaa Substation) were submitted to MCC in September, 2019 for their review.  |
|                          | Construction of Pokuase Bulk Supply Point & Interconnecting Circuits  | <p><i>Construction Of BSP</i></p> <p>Production of Detailed Designs for Earthworks and General Layout, Drainage, and portions of the Civil Works was completed and approved by the Engineer following review by Stakeholders, namely GRIDCo, PDS/ECG and WSP (Consultants to MCC).</p> <p>Commenced the Final Review of Manufacturer's Designs and Specifications for major and long lead Electrical and Electro-Mechanical Equipment.</p> <p>Completed General Excavation and cutting to Formation Level. Backfilling and Compaction was 87% complete as at the end of the Quarter.</p> <p>Commenced Civil Works for the GRIDCo and PDS/ECG Control Buildings.</p> <p><i>Interconnecting Circuit</i></p> |

| Activity | Sub-Activity   | Current Quarter Progress   |
|----------|--|--|
|          |  | Contract for the Interconnecting Circuit was signed on August 30, 2019, and this was followed by commencement of Surveys for the production of Detailed Designs.   |
|          | Construction of Kasoa Bulk Supply Point & Interconnecting Circuits | The Bids were submitted on August 23, 2019, and the Technical Evaluation conducted from August 26 to September 20, 2019. The Technical Evaluation Report was submitted to MCC on September 30, 2019 for their "No-Objection".  |
|          | Low Voltage Bifurcation and Network Improvements                   | <p><i>Achimota District LV Bifurcation Works Order</i><br/>MiDA executed a Contract with Messrs. Best and Crompton Engineering Ltd on July 17, 2019 in respect of the Achimota LV Bifurcation Works Order. The Kick-off Meeting was held on July 25, 2019, following the submission of the Performance Guarantee by the Contractor.</p> <p>Following the submission of Insurance Policy on July 29, 2019, Works commenced on July 31 2019.</p> <p>Interim Payment Certificate No. 1 Advance Payment was certified by the Engineer and paid by MiDA to the Contractor after submission of an Advance Payment Guarantee.</p> <p><i>Kaneshie and Dansoman Districts LV Bifurcation Works Order</i><br/>MiDA executed a Contract with the Contractor, Messrs MBH Ltd on July 29, 2019 for the Kaneshie and Dansoman Districts Works Order. A Kick off Meeting was held on August 14, 2019, and the Contractor submitted the Performance Guarantee on August 21, 2019.</p> <p>MiDA made payment for the Interim Payment Certificate No. 1 Advance after the submission of Payment Guarantee by the Contractor, which was certified by the Engineer.</p> <p><i>Mampong District LV Bifurcation Works Order</i><br/>MiDA signed Works Order Contract with Messrs. Power Factor Limited on August 13, 2019, followed by the Kick-Off Meeting.</p> <p>The Contractor submitted Advance Payment Guarantee (Interim Payment Certificate No.1) which was certified by the Engineer and payment made by MiDA.</p> |

| Activity                                       | Sub-Activity   | Current Quarter Progress  |
|--|--|---|
|  |  | <p>The Performance Security and Advance Payment Guarantee submitted by the Contractor was approved on August 30, 2019.</p> <p><i>All the three Contractors have commenced their Pre-Construction Survey.</i></p>  |
| Outage Reduction                               | Installation of Outage Management System (OMS)   | IFB for the OMS Implementor was published, Bids were submitted and evaluated, and the Evaluation Report was submitted to MCC in August 2019.  |
| <b>Access Project</b>                          |  |   |
| Infrastructure                                 | High Voltage Distribution System (HVDS) & Security Lighting in Markets and Economic Enclaves (M&EEs) | Received Bids from prospective Contractors, and the Bids evaluated. The Bid Evaluation Report was submitted to MCC for their "No-Objection".  |
| Social Inclusiveness and Improved Partnerships | Customer Outreach, Normalization of Services, and Facilitation Assistance for new connections        | <p>Signed Contract with Innovative Services Limited on July 10, 2019 for the Customer Outreach, Normalization and Facilitation Assistance Services. Contract implementation commenced with a Kick-Off Meeting on August 8, 2019.</p> <p>Two (2) Stakeholder Consultation Workshops were organized in Accra and Tamale on August 13 and 15 respectively, to update Stakeholders on the status of the Activity.</p> <p>Two (2) Inception Workshops were organized in Accra and Tamale on August 27 and 29 respectively, to enable the Consultant to obtain input from Key Stakeholders for the preparation of the Inception Report.</p> <p>The Draft Inception Report was reviewed and comments sent to the Consultant.</p> |

### 2.2.2 Generation Projects

Following the de-scoping of the Power Generation Sector Improvement (PGSI) Project, the Generation Sector Projects now consist of the Regulatory Strengthening and Capacity Building (RSCB) Project and the Energy Efficiency and Demand-Side Management (EEDSM) Project. The Report below covers progress made on these two Projects.

#### Status and Progress of Ongoing Program Activities, Generation Projects

| Activity  | Sub-Activity  | Current Quarter Progress   |
|---|---|--|
| <b>Regulatory Strengthening &amp; Capacity Building Project</b>       |   |  |
| Tariff Review and Regulatory Activity                                 | Tariff Study and Tariff Plan                                | NARUC submitted the Final Report on the Organization and Structuring of Partnership.   |
| <b>Energy Efficiency &amp; Demand-Side Management (EEDSM) Project</b> |   |  |
| Development and Enforcement of Standards and Labels                   | Development of Standards and Labels                         | Ghana Standards Authority (GSA) completed the adoption and gazetting of Standards for three of the four (4) Electrical Products categorized under Lot 4, namely Blender, Water Heater and Kettle. The fourth Product, Rice Cooker, was not gazetted because additional Standards were being developed for it by the Technical Committee.   |
|   | Legislative Instruments (LIs)                               | Drafted a Legislative Instrument (LI) for the enforcement of the Standards for Lot 1 Electrical Products and awaiting the Energy Commission's Approval.<br><br>The following are the Lot 1 Products: <ul style="list-style-type: none"> <li>Standards Upgrade/Revision for Household Refrigerators, Household Air Conditioners</li> <li>Standards for Household Ceiling Fans &amp; Regulators, Household Television Sets, Household Satellite Decoders/TV Signal Boxes and Domestic/Commercial/Street Lighting.</li> </ul> |
|   | Construction & Installation of Additional Test Laboratories | Expression of Interest (EOI) for the Design-Build Contractor for the AC Test Laboratory Building was launched and Pre-selection completed.<br><br>Request for Information (RFI) for Design-Build Contractor for the AC Test Laboratory was issued, and Pre-selection completed.  |



| Activity                       | Sub-Activity   | Current Quarter Progress  |
|--------------------------------|--|---|
|                                |  | Request for Information (RFI) for Design-Build Contractor to provide Additional Test Facilities for Electrical Appliances in existing Laboratories at GSA was issued, and Pre-selection completed.  |
|                                | Field Metering and Monitoring Studies (FMMS)   | Completed the Household Listing for the Survey of Energy Consumption and Appliance Use Pattern in Ghana.  |
| Improved Energy Auditing       | Race to Retrofit and Renewables (RTRR)   | MiDA Board approved Request for the replacement of two (2) Buildings at Korle Bu Teaching Hospital (KBTH). Subsequently, the Investment Grade Energy Audit (IGEA) of the two (2) replacement Buildings was carried out.   |
|                                | Setting Up of Sustainable Energy Services Centers (SESCs)                            | The process for setting-up of two (2) Sustainable Energy Services Centers (SESCs) continued with the following as the achievements: <ul style="list-style-type: none"> <li>• Final Course Syllabi for Sustainable Energy Training of Trainers.</li> <li>• Final Course Syllabi for Sustainable Energy Training of Energy Professionals.</li> <li>• Final Certification Course Content for Sustainable Energy Audit Professional (SEAP), Sustainable Energy Management Professional (SEMP), and Energy Audit Practical (EAP).</li> </ul> |
| Education & Public Information | Update of Pre-Tertiary School Curriculum on Energy Efficiency and Conservation (EEC) | Completed "Needs Assessment on EEC Updates in 30 selected Pre-Tertiary Schools across the three Geographical Zones - Southern, Middle and Northern Ghana.<br><br>The Draft Needs Assessment Report was received, reviewed and comments sent to the Consultant.  |
| Demand-Side Management         | Street Lighting  | Signed three (3) Works Contracts in August 2019 for Street Lights Replacements on Road Corridors in the ECG Accra East and Accra West Regions.  |

#### **2.2.4 Environment and Social Performance**

The Compact requires that all Projects are implemented in line with MCC's Environmental Guidelines, the International Finance Corporation Performance Standards on Environmental and Social Sustainability, and Ghana's Laws, Regulations, Licenses, and Permits. MiDA is therefore mandated to ensure such compliance.

The following were achieved during the period July - September 2019:

RAP Implementation for Structures along the Pokuase - Kwabenya Road.

- MiDA worked with the Department of Urban Roads (DUR) and the Lands Valuation Division of the Lands Commission to reassess Properties along the Pokuase-Kwabenya Road that were identified to be affected by the construction of the Interconnecting and Offloading Circuits from the Pokuase BSP.
- MiDA has compensated the Projected Affected Persons (PAPs) along the Route and given them one month from the Date of receipt of Compensation to evacuate their Premises. The 30-day period expires in mid-October.

RAP Implementation at Kasoa

- MiDA has developed and implemented a Resettlement Action Plan (RAP) for the Kasoa BSP. The PAPs have been fully compensated and have evacuated the Site. MiDA has secured and cleared the Site.

Land for Primary Substation at Katamanso

- MiDA has secured Lease for the Land at Katamanso for the construction of the Primary Substation. The Lease Agreement, which is between ECG and Regimanuel Gray Estate Ltd is being reviewed by ECG.

RAP and Community Engagement Plans for Infrastructure Projects

- MiDA has completed RAPs and Community Engagement Plans for all activities under the Low Voltage Bifurcation and Network Improvements Works in the ECG Accra East and Accra West Regions.

#### **2.2.5 Gender and Social Inclusion**

Gender and Social Inclusion (GSI) in MiDA is aimed at ensuring a Gender responsive and socially inclusive Electricity service delivery and enhancing the Quality of Gender and Gender responsiveness in MiDA.

In addition to assisting the various Project and Cross-cutting Units within MiDA to incorporate GSI issues in their TORs and Project Deliverables, the GSI Activities in the period covered the following:

Gender Audit/Gender Policy and Institutional Strengthening of PDS

- MiDA formally submitted the Final Draft of Gender Policy developed for the Electricity

Company of Ghana to the Power Distribution Services, Ghana (PDS) on July 5.

- Commenced planning and preparations for a Conference for Female Employee Associations.

#### Internship and Mentoring Program

- One hundred and eighty-two (182) Interns, out of the 282 that had been recruited from Technical Institutes and Tertiary Institutions were placed in Energy Organizations for the 2019 Internship and Mentoring Program.
- Five Orientation and Capacity Building Workshops were organized for the Interns, with one taking place in Kumasi and the rest in Accra. The content included Leadership and Anti-Sexual Harassment Training, as well as Mentor-Mentee Interaction Sessions. An Orientation and Anti-Sexual Harassment Training Workshop was also organized for Employers in August.
- Monitoring Visits were made to Interns in Accra/Tema.
- Reflection and Closing Ceremonies were held for the Southern and Northern Sectors on August 16 and 28, respectively.
- A Team from MCA Niger had discussions with MiDA on the Internship Program to learn from the Ghana experience.
- Employers, Educators and Mentors Reflection Forum was held on September 25, 2019, with the MCA Niger Team sitting in as Observers.
- Recommendations from the Employers, Educators and Mentors' Forum included the following:
  - MiDA should share copies of the MOU with the Ministry of Education with the participating Educational Institutions.
  - MiDA should secure Employer Organizations' commitment to the Internship Program before the exit of the Compact
  - MiDA should advocate for Government's uptake and support for its Internship Model.
  - Leadership of participating Educational Institutions need to commit to the Program by providing the necessary Financial Resources to the Networking and Collaboration activities necessary for the success of the Program.
  - Educational Institutions need to follow up on the progress of their Students during their Internships
- Issues from the Interns Reflection Workshop and a Report from the Employers, Educators and Mentors Forum have been shared with MCC.

#### Gender and Energy Working Group

- The Third Quarter Meeting of the Gender Working Group was held on September 26, 2019 at MiDA. The Meeting provided a Forum for obtaining updates from the Gender Focal Persons in the Implementing Entities and plan for the upcoming Conference on Women in Energy.

#### Participation in MCC/MCA GSI Online Forum

- MiDA participated in a MCC/MCA GSI Online Forum on July 17, 2019. The focus was on Women's Global Development and Prosperity (W-GDP) Initiative under the following three Pillars:
  - Pillar 1: Women prospering in the Workforce. MiDA's presentation was on the Internship and Mentoring Program.
  - Pillar 2: Women succeeding as Entrepreneurs. MiDA's presentation covered the work with PDS to develop a Gender and Social Inclusion Policy and Action Plan; the Training for Management, Gender Focal Persons and Staff to be able to implement the Policy; and the Access Project Activity linking Small Enterprises (mostly women owned) to Services that facilitate their use of Electricity for productive purposes.
  - Pillar 3: Women enabled in the Economy: MiDA's presentation was on the Training for the Female Employee Association (Power Queens of ECG/PDS).

### 2.3 MONITORING AND EVALUATION

The following M&E activities were carried out during the period July-September 2019.

#### M&E Plan

- The Revised M&E Plan (August 2019 Version) was approved by the MiDA Board at the 25th Meeting held on September 23, 2019. The M&E Plan explains in detail how and what MiDA and MCC will monitor in order to know whether Projects are on track to achieve their intended results and evaluate same to assess Implementation, generate Learning and estimate Impact. There is a continuing process to update the M&E Plan in accordance with the provisions of the MCC M&E Policy. The initial M&E Plan was approved by the MiDA Board on December 19, 2016.

#### Capacity Building

- Collaborated with PDS to finalize the Outline and Schedule for the Training of the Field Staff of PDS on Data Collection and Reporting scheduled for October-November 2019. The Training would focus on issues identified in Data Quality Audits.

#### Evaluations

- Mathematica Policy Research (MPR) submitted the Draft Report on the Impact Evaluation of Roads constructed under Ghana Compact I.
- The Request for Proposal (RFP) for the Baseline Household and Enterprise Survey was submitted to MCC for their "No Objection".
- The evaluation of the Technical Proposals for the Mid-Term Evaluation of the Compact Program was completed and submitted to MCC on September 17, 2019 to seek their "No Objection".

#### Reporting of Results

- Submitted the Indicator Tracking Table (ITT) for Quarter 12 (April-June 2019) and the Narrative Report for Quarter 13 (July-September 2019) to MCC on September 10, 2019, as part of the Disbursement Request Package for Quarter 14 (October-December 2019).

## 2.4 COMMUNICATIONS AND OUTREACH

The focus of Communications and Outreach during the Period was to ensure wide publicity and accurate reportage on the Compact Project and Cross cutting Unit activities. The details are provided below.

#### Support to Projects and Cross Cutting Activities

- *Private Sector Participation Activity:* Following Government's suspension of the Concession Agreement, there was a barrage of Publications in the Media, some of which accused MiDA of supervisory negligence and wrong doing. Management took a decision to issue a Release stating MiDA's position and to correct the inaccuracies and misconceptions in the Media.
- *EEDSM Project:* MiDA worked with a Technical Committee to plan and organize the 5<sup>th</sup> Ghana Renewable Energy Fair and also developed Visuals to brand MiDA's Exhibition Stand at the Fair. In addition, MiDA facilitated and covered a Planning Meeting for the setting up of additional Test Laboratories for the Ghana Standards Authority (GSA).
- *EFOT Project:* A News Article on the progress made on the Pokuase Bulk Supply Point (BSP) Works was developed and publicized. In anticipation of Outages that would result from the implementation of the LV Bifurcation and Network Upgrade, Meetings involving Communications and Outreach and the Project Implementation Unit (PIU) were held to review the Stakeholder Engagement Plans and Strategies regarding the management of the Impact of the Outages.
- *Compact Project Articles:* In order to give more Publicity to the Compact Projects, full page Drafts of Project Articles, supported by Visuals, have been developed. The Articles are to be published in the *Daily Graphic* once they have been finalized.
- *Procurement:* There were timely uploads of Procurement Communication to the MiDA Website.

#### MiDA Newsletter

- The Draft Volume 3 Issue 2 of the MiDA was compiled.

#### Website Activity

- The MiDA Website recorded an unprecedented 18.7 percent average growth in the Reporting Quarter. One could attribute this growth to the attention MiDA received as a result of the ECG-PDS Concession issue. A total of 102,145 Visits had been recorded as at the end of the Reporting Quarter (since the Site was launched in Nov 2015) compared to 86,022 Visits at the end of the previous Quarter, June 2019.

## **PART THREE: CHALLENGES**

### **3.1 CRITICAL ISSUES**

The support of Staff of the Implementing Entities is necessary for the success of the Compact.

MiDA needs to continue to work with Government and the Leadership of the Workers Union to ensure the smooth implementation of the Compact Activities, particularly, the PSP Activity.

Pending a decision by the Government of Ghana on the future of the Concession Agreement with PDS, which is currently suspended, there have been no new commitment of Funds for Project Activities since September 2019, with the exception of few cases where MCC has given authorization. This has held up progress of work, with the risk that there would be inadequate time to implement some major Investments that are on the critical path.

### **3.2 PROJECT-SPECIFIC CHALLENGES**

#### **3.2.1 Distribution Projects Challenges**

The challenges that have hindered the achievement of Targets in relation to the EFOT Project are as follows:

- The GIS implementation has been delayed as a result of gaps in the Data received from PDS and the processes required to carry out aerial photography.
- Potential delay in RAP development and implementation and acquisition of Right-of-Way for Medium Voltage (MV) and Low Voltage (LV) Circuits as the Circuits Routes are mainly through densely populated and unplanned Areas in Accra.
- Long Land acquisition process for Primary Substations has delayed commencement of Designs and will ultimately delay Project implementation.
- Earthworks at the Pokuase BSP Site is likely to delay due to the current rainy season.
- The on-going Pokuase Interchange Road Construction could have impact on the ICC activities.

ECG's reliance on the Services of Hexagon, the GIS Consultants, could limit the Company's ability to manage the GIS process post-Compact. To mitigate this, Hexagon is to conduct intensive Training for ECG Staff involved in the GIS System. The Training will use the "Train the Trainers" approach of Hexagon. Hexagon is to provide a clear Strategy for addressing Capacity Building and System Re-engineering.

Given that the NFOT Project was de-scoped from the Compact, it was not clear if NEDCo would support the Access Project implementation in Tamale. However, at the instance of MiDA, the Tamale Metropolitan Assembly had obtained NEDCo's commitment to support the Project.

### **3.2.2 Generation Projects Challenges**

The Field Metering and Monitoring Studies (FMMS) Consultancy Services to measure Energy Consumption on various Appliances in a sample of 1,000 Households is currently on-hold because of the delays in purchasing the Metering Equipment as a result of higher Budgets proposed by successful Bidders.

Delays by Stakeholders in the review of Deliverables from Consultant under the Regulatory Partnership Programme (RPP) will further adversely impact on the Timelines.

## PART FOUR: FORWARD LOOK FOR THE FOURTH QUARTER OF 2019

The following have been planned for completion in the next Quarter, July-September 2019.

### a) EFOT Project

#### *Modernizing Utility Operations Activity*

##### Upgrade of Data Center and Communication Network

- Approve Designs for the Data Center Network, HVAC and Power Systems.

##### Implementation of an Enterprise Resource Planning (ERP)

- Complete procurement of a Supplier for the Implementation of an ERP System.

##### Implementation of a Utility GIS System

- Complete Migration of Data for all 14 Districts.

#### *Technical Loss Reduction*

##### LV Bifurcation and Network Improvement

- Commence major Construction Works in December 2019.

##### PSS

- Complete procurement for implementation of Kotobabi, Korle Gonno, Kanda and Legon Primary Substations and Interconnecting & Offloading Circuits.
- Launch IFB for the additional Primary Substations and Interconnecting Circuits.

##### Pokuase BSP

- Substation
  - Approve Designs for portions of Civil, Electrical, Electro-mechanical, & Communication Specifications and Manufacturers Drawings for Plant and Equipment.
  - Complete Earthworks – Backfilling and Compaction.
  - Continue with Civil Works for GRIDCo and PDS Control Building.
- Interconnecting Circuits
  - Complete Project Execution Plans and Detailed Programme of Work
  - Complete Route Survey
  - Review Detailed Designs by the Engineer and Stakeholders (PDS/ECG and WSP).

##### Kasoa BSP

- Obtain MCC No-Objection for Technical Evaluation Report by October 6, 2019.
- Conduct Commercial Evaluation by October 18, 2019, 2019.
- Submit Technical Evaluation Report to MCC by September 26, 2019.
- Sign the Kasoa BSP Contract by December 30, 2019.



*Commercial Loss Reduction*

- Obtain MCC “No Objection” for the AMI Metering at Critical Distribution Network Nodes.
- Obtain Approval of Designs for the Meter Management System (MMS).

**b) Regulatory Strengthening and Capacity Building Project**

- Obtain the Final Inception Report and the Final Capacity and Skills Gap Analysis from NARUC by the end of August 2019.
- Obtain Final Report on Organization and Structuring of Partnership from by September 30, 2019.

*Outage Activity*

- Complete procurement of the Supplier for the Implementation of the Outage Management System.

**c) Access Project**

*HVDS and Street Lights Activity*

- Sign Works Contracts with Winning Bidders of the three (3) Lots covering the M&EEs.

*Customer Outreach Activity*

- Obtain Final Inception Report from the Consultant.
- Implement Customer Outreach, Information Campaign and Communication activities in M&EEs.

**d) EEDSM Project**

*Development and Enforcement of Standards and Labels*

- Complete Lot 4 Standards adoption and gazetting process.
- Commence the Approval process for the drafted LI on Standards for Lot 1 Electrical Products<sup>1</sup>.
- Commence the drafting of LI on Standards for the Lot 2 Electrical Products<sup>2</sup>.
- Issue Invitation to Quote (ITQ) for AC Test Facility Containment Building (subject to MCC Approval).
- Issue RFQ for AC Test Laboratory and Additional Test Laboratories (subject to MCC Approval).
- Take delivery of the Metering Equipment for the FMMS.

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<sup>1</sup> Lot 1 Electrical Products include Refrigerators (Upgrade/Revision - household), Air Conditioners (Upgrade/Revision - Household), Ceiling Fans & Regulators (Household), Television Sets (Household), Satellite Decoders/TV Signal Boxes (Household), and Lighting (Domestic/Commercial Lighting /Street Lighting).

<sup>2</sup> Lot 2 Electrical Products include “Solar Panels (Upgrade/Revision), Batteries (Upgrade Revision), Inverters (Upgrade/Revision), Distribution Transformers, and Prepayment Energy Meters.

#### *Improved Energy Auditing*

- Continue with RTRR Works Contract implementation.
- Launch Call for Information (CFI) to 11 Tertiary Institutions to express interest in setting up Sustainable Energy Services Centers (SESCs).
- Conduct National Sustainable Energy (SE) Market Accelerator Conference.
- Conduct National SE Technology Showcase.
- Deliver Certification Course on SEAP, SEMP, and EAP for Trainers from the 11 Tertiary Institutions.
- Train and conduct Tests for Participants of the ToT to shortlist two (2) Tertiary Institutions to establish the SESC.

#### *Education and Public Information*

- Obtain Final Needs Assessment Report on Pre-Tertiary EEC.
- Obtain Pre-Tertiary EEC Curriculum Requirements and Specification.

#### *DSM Activity*

- Obtain Report on Technical and Financial Review of the IGEA and Retrofit Services Proposals.
- Review proposed Street Lighting Retrofit Implementation Plan and Value-Added Services developed by the selected Contractors.
- Obtain Report on Reviewed Contractor's Detailed Street Lighting Designs, Quality Management, and Environmental Management and Safety Plans.

#### *Gender and Social Inclusion*

- Collaborate with PDS Power Queens, GEWG and other Stakeholders to organize the maiden International Conference for Female Employee Associations in the Power Sector.
- Continue to work with Project and Cross-cutting Teams to strengthen the integration of Gender and Social Inclusion in their TORs, Consultants' Deliverables and other Project activities.
- Monitor compliance with GSI requirements in Project activities.
- Commission the development of the Sustainability Plan for the GPCIMP.
- Organize a Gender and Energy Working Group Meeting in November.

**PART FIVE: REPORTING MATRIX**

| Programmes & Sub-Programmes   | Activities (Operations)                 | Baseline | Targets for the 3 <sup>rd</sup> Quarter of 2019 | Actual Results  | Output Indicators  | Means of Verification   | Challenges  | Mitigation Measures   |
|---|---|----------|---|---|--|-------------------------|---|---|
| Ghana Power Compact Program: ECC Financial and Operational Turnaround | Modernizing Utility Operations Activity | N/A      | N/A   | GIS Implementation project is at the data validation and migration phase. Overall completion of GIS Implementation Project is estimated at 77%  | GIS-based distribution management system in place                        | GIS Consultant's Report | Gaps in the Data received from PDS Processes required to obtain permission to carry out aerial photography. | Request for Permit for Aerial Photography has been escalated to higher levels (Office of the President) |
|   |   | N/A      |   | The Invitation for Bids document was published. Pre-Bid conference successfully held and Clarification questions responses submitted to potential bidders   | Enterprise Resource Planning System in place                             | ERP Consultant's Report | None- Activity on track   |   |
|   |   | 0        | N/A   | 180 interns began their 2 months program with working in various energy sector institutions. All together 22 organization. MiDA held a reflection workshop for the interns, employer educational institutions and mentors | Number of females participating in STEM Internship and Mentoring Program | Program Records         | None- Activity on track   |   |
|   | Technical Loss Reduction Activity       | 0 (2016) | 4050  | Work began on the Pokuase BSP and LV Network. Technical Evaluations have been concluded for the Primary Sub-stations and  | Kilometers of distribution lines upgraded or built                       | EFOT Project Report     | None- Activity on track   |   |

| Programmes & Sub-Programmes             | Activities (Operations)               | Baseline | Targets for the 3 <sup>rd</sup> Quarter of 2019 | Actual Results  | Output Indicators   | Means of Verification                     | Challenges              | Mitigation Measures |
|---|---------------------------------------|----------|---|---|---|---|-------------------------|---------------------|
|   |                                       |          |   | Kasoa BSP.  |   |   |                         |                     |
|   |                                       | 0 (2016) | 1500  | Work began on the Pokuase BSP and LV Network. Technical Evaluations have been concluded for the Primary Sub-stations and Kasoa BSP    | Distribution substation capacity added                      | EFOT Project Report                       | None- Activity on track |                     |
|   |                                       | 0 (2016) | N/A   | Commencement of concrete works begun at the end of September for the Pokuase BSP. Evaluation of bids for the Kasoa BSP was concluded. | Number of Bulk supply points (BSPs)                         | EFOT Project Report                       | None- Activity on track |                     |
|   |                                       | 0 (2016) | N/A   | Evaluation of bids for the Pokuase BSP interconnecting links was concluded.   | Kilometers of interconnecting sub-transmission lines (33kV) | EFOT Project Report                       | None- Activity on track |                     |
|   | Commercial Loss Reduction Activity    | 0 (2016) | 0   | AMI Metering Technical Package finalized.   | Number of Automated Reading Meters                          | Program Records                           | None- Activity on track |                     |
|   | Outage Reduction Activity             | N/A      |   | Evaluation of bids for the Outage management system was concluded   | Outage management system in place                           | Program Records                           | None- Activity on track |                     |
| RSCB Project                            | Tariff Review and Regulatory Activity | 0        | TBD   | Consultant has submitted the Final Report on the Organization and Structuring of Partnership.   | Number of training participants                             | Regulatory Program Partnership Report     | None- Activity on track |                     |
| Access Project: Infrastructure Activity |                                       | 0        | N/A   | Received Bids from prospective Contractor(s) and Bid Evaluation Report finalized.   | Transformer capacity installed                              | Supervision Consultant's Periodic Reports | None- Activity on track |                     |

| Programmes & Sub-Programmes   | Activities (Operations) | Baseline | Targets for the 3 <sup>rd</sup> Quarter of 2019                                 | Actual Results  | Output Indicators  | Means of Verification                     | Challenges              | Mitigation Measures |
|---|-------------------------|----------|---|---|--|---|-------------------------|---------------------|
|   |                         | 0        | N/A   | Received Bids from prospective Contractor(s) and Bid Evaluation Report finalized.   | Length of secondary LV ABC cables installed                              | Supervision Consultant's Periodic Reports | None- Activity on track |                     |
|   |                         | 0        | N/A   | Received Bids from prospective Contractor(s) and Bid Evaluation Report finalized.   | Number of pole mounted prepayment meters                                 | Supervision Consultant's Periodic Reports | None- Activity on track |                     |
|   |                         | 0        | N/A   | Received Bids from prospective Contractor(s) and Bid Evaluation Report finalized.   | Number of security lights installed                                      | Supervision Consultant's Periodic Reports | None- Activity on track |                     |
|   |                         | 0        | N/A   | Signed Contract, held two (2) Kick-Off Meetings and two (2) Inception Workshops. Draft Inception Report obtained.             | Number of customers assisted through outreach for electricity connection | Supervision Consultant's Periodic Reports | None- Activity on track |                     |
| Access Project: Social Inclusiveness & Improved Partnerships Activity       |                         | N/A      | Terms of Reference Finalized and forwarded to Procurement Agent to prepare RFP. | Security light agreement (MOU) signed   | Institutional Assessment & Engagement Consultant Periodic Reports        | None- Activity on track                   |                         |                     |
|   |                         | 0        | 10  | 16  | Number of products with standards developed                              | Project Report                            | None- Activity on track |                     |
| EEDSM Project: Development and Enforcement of Standards and Labels Activity |                         | 0        | 0   | LI for the enforcement of standards for the Lot 1 Electrical products drafted, but awaiting the Energy Commission's approval. | Number of products with legislative instruments drafted                  | Project Report                            | None- Activity on track |                     |
|   |                         |          |   | The drafting of LI for the Lot 2 Electrical products  |  |   |                         |                     |

| Programmes & Sub-Programmes             | Activities (Operations) | Baseline | Targets for the 3 <sup>rd</sup> Quarter of 2019 | Actual Results  | Output Indicators  | Means of Verification | Challenges              | Mitigation Measures |
|---|-------------------------|----------|---|---|--|-----------------------|-------------------------|---------------------|
|   |                         |          |   | underway.   |  |                       |                         |                     |
|   |                         | 0 (2016) | 0   | LI for the enforcement of standards for the Lot 1 Electrical products drafted, but awaiting the Energy Commission's approval.<br>The drafting of LI for the Lot 2 Electrical products underway. | Number of products with LIs on standards passed in Parliament            | Project Report        | None- Activity on track |                     |
|   |                         | 0 (2016) | TBD   | Pre-selection for Design-Build Contractor for the AC Test Laboratory, and Additional Test Facilities for electrical appliances in existing Laboratories at GSA.                                 | Number of appliance test labs established                                | Project Report        | None- Activity on track |                     |
| EEDSM Project: Improved Energy Auditing |                         | 0 (2016) | 6   | 7   | Number of institutions participating in race to retrofits and renewables | Project Report        | None- Activity on track |                     |
|   |                         | 0 (2016) | TBD   | Course Syllabi for Sustainable Energy Training of Trainers (TOI) finalized.   | Number of SESCOs trainers trained in energy auditing                     | Project Report        | None- Activity on track |                     |
|   |                         | 0        | 0   | Call for Information (CFI) finalized. This will target 11 Tertiary Institutions to express interest in setting up the two (2) SESCOs.   | Number of sustainable energy services centers (SESCs) established        | Project Report        | None- Activity on track |                     |
| EEDSM Project: Education and Public     |                         | 0 (2016) | N/A   | N/A   | Number of unique public education outreach on energy efficiency          | Project Report        | None- Activity on track |                     |

| Programmes & Sub-Programmes                  | Activities (Operations) | Baseline | Targets for the 3 <sup>rd</sup> Quarter of 2019 | Actual Results   | Output Indicators  | Means of Verification | Challenges              | Mitigation Measures |
|--|-------------------------|----------|---|--|--|-----------------------|-------------------------|---------------------|
| Information Activity                         |                         | 0        | N/A   | Completed "Needs Assessment on EEC updates in 30 selected Pre-Tertiary schools | Number of teachers trained on energy efficiency and conservation curriculum      | Project Report        | None- Activity on track |                     |
|  |                         | 0 (2016) | N/A   | Completed "Needs Assessment on EEC updates in 30 selected Pre-Tertiary schools | Number of students reached through energy efficiency and conservation curriculum | Project Report        | None- Activity on track |                     |
| EEDSM Project<br>DSM Infrastructure Activity |                         | 0 (2016) | 0   | Signed three (3) Works Contracts for Street Lights Replacements.               | Number of poles constructed  | Project Report        | None- Activity on track |                     |
|  |                         | 0        | TBD   | Signed three (3) Works Contracts for Street Lights Replacements.               | Number of LED lights installed   | Project Report        | None- Activity on track |                     |