STP Power Sector Recovery Project (P157096)

AFRICA | Sao Tome and Principe | Energy & Extractives Global Practice | IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 8 | ARCHIVED on 12-Jun-2020 | ISR42177 |

Implementing Agencies: Agencia Fiduciaria de Administracao de Projeto (AFAP), Ministry of Finance and Public Administration

### **Key Dates**

#### **Key Project Dates**

Bank Approval Date: 05-Jul-2016

Planned Mid Term Review Date: 15-Sep-2020

Original Closing Date: 30-Jun-2021

Effectiveness Date: 01-Nov-2016

Actual Mid-Term Review Date:

Revised Closing Date: 28-Jun-2024

#### **Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The project development objectives are to (i) increase renewable energy generation and (ii) improve the reliability of the electricity supply.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

### Components Table

Name

Public Disclosure Authorized

Support to electricity institutional reform and sector planning:(Cost \$1.20 M) Strengthening operational performance and governance of EMAE:(Cost \$7.50 M)

Investing in enhanced reliability of electricity generation, transmission and distribution:(Cost \$30.40 M)

Investing in enhanced reliability of electricity generation, transmission and distribution. (Cost \$30.40 in

Project Implementation Support:(Cost \$1.90 M)

### **Overall Ratings**

| Name                                 | Previous Rating | Current Rating |
|--------------------------------------|-----------------|----------------|
| Progress towards achievement of PDO  | Satisfactory    | □Satisfactory  |
| Overall Implementation Progress (IP) | □Satisfactory   | □Satisfactory  |
| Overall Risk Rating                  | □Substantial    | Substantial    |

### Implementation Status and Key Decisions

The project is progressing in a satisfactory manner as all of the activities are now under implementation. The Least Cost Development Plan and Management Improvement Plan have been delivered and approved by GoSTP. The overall objectives of these strategic documents are to improve EMAE performance and overall the sector financial sustainability. Optimization studies have defined the magnitude of Contador project rehabilitation and expansion up to 3.2 MW and work is on-going for the preparation of the tender documentation. The Construction is expected to start early 2021. The World Bank approved on April 7, 2020, a US\$12 million additional financing to cover for capacity increase for the Contador hydropower plant and the deployment of a large scale incandescent bulb replacement program with efficient LED bulbs.

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### Risks

# **Systematic Operations Risk-rating Tool**

| Risk Category  | Rating at Approval | Previous Rating | Current Rating |
|--|--------------------|-----------------|----------------|
| Political and Governance                                     | Substantial        | Substantial     | Substantial    |
| Macroeconomic  | □Moderate          | Moderate        | Moderate       |
| Sector Strategies and Policies                               | Substantial        | Substantial     | □High          |
| Technical Design of Project or Program                       | Moderate           | □Moderate       | Moderate       |
| Institutional Capacity for Implementation and Sustainability | □High              | □High           | □High          |
| Fiduciary  | □Moderate          | □Moderate       | □Moderate      |
| Environment and Social                                       | □High              | Substantial     | Substantial    |
| Stakeholders   | Substantial        | Substantial     | Substantial    |
| Other  |                    |                 | Substantial    |
| Overall  | Substantial        | Substantial     | Substantial    |

## Results

## **PDO Indicators by Objectives / Outcomes**

|                  | Baseline                                       | Actual (Previous)              | Actual (Current)                  | End Target         |  |  |
|------------------|--|--------------------------------|-----------------------------------|--------------------|--|--|
| alue             | 0.00   | 0.00                           | 0.00                              | 3.20               |  |  |
| ate              | 27-Jun-2016 14-Oct-2019 08-Jun-2020 28-Jun-202 |                                |                                   |                    |  |  |
|                  |  | adantha ansigat (Managarath Co | oto ao Dao oladouan)              |                    |  |  |
| □Generation Capa | acity of Hydropower rehabilitated u            | nder the project (Megawatt, Cu | stom Breakdown)  Actual (Current) | End Target         |  |  |
| □Generation Capa | , , ,  | , , , ,                        | ,                                 | End Target<br>3.20 |  |  |

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| Value                 | 0.00  | 0.00                             | 0.00             | 90,000.00   |  |
|-----------------------|---|----------------------------------|------------------|-------------|--|
| Date                  | 27-Jun-2016                                     | 14-Oct-2019                      | 08-Jun-2020      | 28-Jun-2024 |  |
| □Female beneficia     | ries (Percentage, Custom Suppler                | nent)                            |                  |             |  |
|                       | Baseline  | Actual (Previous)                | Actual (Current) | End Target  |  |
| Value                 | 0.00  | 0.00                             | 0.00             | 51.00       |  |
| ►Electricity losses p | er year in the project area (Percen<br>Baseline | tage, Custom)  Actual (Previous) | Actual (Current) | End Target  |  |
| √alue                 | 40.00   | 40.00                            | 40.00            | 33.00       |  |
| Date                  | 27-Jun-2016                                     | 14-Oct-2019                      | 08-Jun-2020      | 28-Jun-2024 |  |
|                       |   |                                  |                  |             |  |

## Intermediate Results Indicators by Components

| Support for electricity institutional reform and sector planning                       |             |                     |                     |                         |  |  |  |
|--|-------------|---------------------|---------------------|-------------------------|--|--|--|
| ►Least cost power sector development plan prepared and adopted by MINRA (Text, Custom) |             |                     |                     |                         |  |  |  |
|  | Baseline    | Actual (Previous)   | Actual (Current)    | End Target              |  |  |  |
| Value  | No          | Final LCDP approved | Final LCDP approved | Implementation underway |  |  |  |
| Date   | 27-Jun-2016 | 14-Oct-2019         | 14-Oct-2019         | 30-Jun-2021             |  |  |  |
|  |             |                     |                     |                         |  |  |  |

| Strengthening operational performance and governance of EMAE                 |             |  |  |  |  |  |  |  |
|--|-------------|--|--|--|--|--|--|--|
| ► Management information, system installed, populated, in use (Text, Custom) |             |  |  |  |  |  |  |  |
|  | Baseline    | Actual (Previous)  | Actual (Current)   | End Target                                 |  |  |  |  |
| Value  | No          | The consultant is working on the technical specifications of the MIS for tender documents. | The consultant is working on the technical specifications of the MIS for tender documents. | In use for sector monitoring and reporting |  |  |  |  |
| Date   | 30-Jun-2016 | 14-Oct-2019  | 14-Oct-2019  | 30-Jun-2021                                |  |  |  |  |
| ►Management improvement plan prepared and adopted by MINRA (Text, Custom)    |             |  |  |  |  |  |  |  |
|  | Baseline    | Actual (Previous)  | Actual (Current)   | End Target                                 |  |  |  |  |
| Value  | No          | Prepared   | Prepared   | Under implementation                       |  |  |  |  |

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| Date   |   |   |  |  |  |  |
|--|---|---|--|--|--|--|
| Date   | 27-Jun-2016   | 15-Oct-2019   | 15-Oct-2019 30-Jun-2021  |  |  |  |
| nvesting in enhance  | ed reliability of electricity generation,   | transmission and distribution   |  |  |  |  |
| ► Meters installed u   | under the project (Number, Custom)  |   |  |  |  |  |
|  | Baseline  | Actual (Previous)   | Actual (Current)   | End Target   |  |  |
| Value  | 0.00  | 0.00  | 0.00   | 21,000.00  |  |  |
| Date   | 27-Jun-2016   | 14-Oct-2019   | 08-Jun-2020  | 28-Jun-2024  |  |  |
| ► Distribution lines   | constructed or rehabilitated under th   | ne project (Kilometers, Custom)   |  |  |  |  |
|  | Baseline  | Actual (Previous)   | Actual (Current)   | End Target   |  |  |
| Value  | 0.00  | 0.00  | 0.00   | 100.00   |  |  |
| Date   | 27-Jun-2016   | 14-Oct-2019   | 08-Jun-2020  | 28-Jun-2024  |  |  |
|  | s rehabilitated under the project (Kilo<br>Baseline   | Actual (Previous)   | Actual (Current)   | End Target   |  |  |
| Value  | 0.00  | 0.00  | 0.00   | 100.00   |  |  |
| Value<br>Date  | 0.00<br>27-Jun-2016   | 0.00<br>14-Oct-2019   | 0.00<br>08-Jun-2020  | 100.00<br>28-Jun-2024  |  |  |
| Date  ▶Gender-sensitive  |   | 14-Oct-2019 cation campaign prepared and imp  | 08-Jun-2020  | 28-Jun-2024  |  |  |
| Date  ▶Gender-sensitive  | 27-Jun-2016 community outreach and communic   | 14-Oct-2019 cation campaign prepared and imp  | 08-Jun-2020  | 28-Jun-2024<br>redback mechanism to<br>End Target  |  |  |
| Date  ▶ Gender-sensitive sector stakeholders   | 27-Jun-2016  community outreach and communic (e.g., EMAE, relevant ministries, AC   | 14-Oct-2019<br>cation campaign prepared and imp<br>GER, AFAP) (Text, Custom)  | 08-Jun-2020<br>olemented, with regular fe  | 28-Jun-2024 eedback mechanism to  End Target Quarterly report  |  |  |
| Date  ▶Gender-sensitive sector stakeholders  Value                                       | 27-Jun-2016  community outreach and communic (e.g., EMAE, relevant ministries, AC Baseline  | 14-Oct-2019 cation campaign prepared and imp GER, AFAP) (Text, Custom)  Actual (Previous)  Recruitment of the NGO   | 08-Jun-2020  Dilemented, with regular fe  Actual (Current)  Recruitment of the   | 28-Jun-2024  eedback mechanism to  End Target  Quarterly report prepared and feedbac provided to sector  |  |  |
| Date  ▶ Gender-sensitive sector stakeholders  Value  Date                                | 27-Jun-2016  community outreach and communic (e.g., EMAE, relevant ministries, AC Baseline  No  | 14-Oct-2019  cation campaign prepared and imp GER, AFAP) (Text, Custom)  Actual (Previous)  Recruitment of the NGO completed.   | 08-Jun-2020  Demented, with regular fee  Actual (Current)  Recruitment of the NGO completed.   | 28-Jun-2024  eedback mechanism to  End Target  Quarterly report prepared and feedbac provided to sector stakeholders.                                    |  |  |
| Date  ▶ Gender-sensitive sector stakeholders  Value  Date                                | 27-Jun-2016  community outreach and communic (e.g., EMAE, relevant ministries, AC Baseline  No  27-Jun-2016   | 14-Oct-2019  cation campaign prepared and imp GER, AFAP) (Text, Custom)  Actual (Previous)  Recruitment of the NGO completed.   | 08-Jun-2020  Demented, with regular fee  Actual (Current)  Recruitment of the NGO completed.   | 28-Jun-2024  eedback mechanism to  End Target  Quarterly report prepared and feedbac provided to sector stakeholders.                                    |  |  |
| Date  ▶ Gender-sensitive sector stakeholders  Value  Date  ▶ Energy Productio            | 27-Jun-2016  community outreach and communic (e.g., EMAE, relevant ministries, AC Baseline  No  27-Jun-2016  n (Megawatt hour(MWh), Custom)                 | 14-Oct-2019  cation campaign prepared and imp GER, AFAP) (Text, Custom)  Actual (Previous)  Recruitment of the NGO completed.  14-Oct-2019                              | 08-Jun-2020  Demented, with regular ferometed, with regular ferometed.  Actual (Current)  Recruitment of the NGO completed.  14-Oct-2019   | 28-Jun-2024  eedback mechanism to  End Target  Quarterly report prepared and feedbac provided to sector stakeholders.  30-Jun-2021                       |  |  |
| Date  ▶Gender-sensitive sector stakeholders  Value  Date  ▶Energy Productio  Value       | 27-Jun-2016  community outreach and communic (e.g., EMAE, relevant ministries, AC Baseline  No  27-Jun-2016  n (Megawatt hour(MWh), Custom)  Baseline       | 14-Oct-2019  cation campaign prepared and imposer, AFAP) (Text, Custom)  Actual (Previous)  Recruitment of the NGO completed.  14-Oct-2019  Actual (Previous)           | 08-Jun-2020  Demented, with regular feed Actual (Current)  Recruitment of the NGO completed.  14-Oct-2019  Actual (Current)                | 28-Jun-2024  eedback mechanism to  End Target  Quarterly report prepared and feedbac provided to sector stakeholders.  30-Jun-2021  End Target           |  |  |
| Date  ▶Gender-sensitive sector stakeholders  Value  Date  ▶Energy Productio  Value  Date | 27-Jun-2016  community outreach and communic (e.g., EMAE, relevant ministries, AC Baseline  No  27-Jun-2016  n (Megawatt hour(MWh), Custom)  Baseline  0.00 | 14-Oct-2019  cation campaign prepared and important (Previous)  Actual (Previous)  Recruitment of the NGO completed.  14-Oct-2019  Actual (Previous)  0.00  07-Feb-2020 | 08-Jun-2020  Demented, with regular feature (Current)  Recruitment of the NGO completed.  14-Oct-2019  Actual (Current)  0.00  08-Jun-2020 | 28-Jun-2024  eedback mechanism to  End Target Quarterly report prepared and feedbac provided to sector stakeholders.  30-Jun-2021  End Target  15,698.00 |  |  |

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| Value   | 0.00   | 0.00   | 0.00   | 225,500.00  |  |
|---|--|--|--|---|--|
| Date  | 07-Feb-2020  | 07-Feb-2020  | 08-Jun-2020  | 31-Dec-2020   |  |
|   |  |  |  |   |  |
| ► Phaseout policy for   | incandescent lamps (Yes/No, Cu   | stom)  |  |   |  |
|   | Baseline   | Actual (Previous)  | Actual (Current)   | End Target  |  |
| Value   | No   | No   | No   | Yes   |  |
| Date  | 07-Feb-2020  | 07-Feb-2020  | 08-Jun-2020  | 31-Dec-2022   |  |
| <b>N.</b> Daniel and a fifteen  | de la desiral consede (Decreates)  | Out to say   |  |   |  |
| ► Percentage of fema  | ale technical experts (Percentage,   | Custom)  |  |   |  |
|   | Baseline   | Actual (Previous)  | Actual (Current)   | End Target  |  |
| Value   | 2.50   | 2.50   | 2.50   | 4.00  |  |
| Date  | 07-Feb-2020  | 07-Feb-2020  | 08-Jun-2020  | 28-Jun-2024   |  |
|   |  |  |  |   |  |
|   |  | . (1)  |  |   |  |
| ► Number of women   | employed in awareness-raising ca   | ampaign (Number, Custom)   |  |   |  |
| ► Number of women   | employed in awareness-raising ca<br>Baseline   | Actual (Previous)  | Actual (Current)   | End Target  |  |
| ► Number of women of Value  |  |  | Actual (Current) 0.00  | End Target<br>17.00   |  |
|   | Baseline   | Actual (Previous)  |  |   |  |
| Value<br>Date   | 0.00<br>07-Feb-2020  | Actual (Previous) 0.00 07-Feb-2020   | 0.00   | 17.00   |  |
| Value<br>Date   | Baseline<br>0.00   | Actual (Previous) 0.00 07-Feb-2020   | 0.00   | 17.00   |  |
| Value<br>Date   | 0.00<br>07-Feb-2020  | Actual (Previous) 0.00 07-Feb-2020   | 0.00   | 17.00   |  |
| Value  Date  ▶Percentage of poter   | Baseline 0.00 07-Feb-2020 ntial female-led enterprises (Perce  | Actual (Previous) 0.00 07-Feb-2020 entage, Custom)   | 0.00<br>08-Jun-2020  | 17.00<br>30-Jun-2021  |  |
| Value<br>Date   | Baseline 0.00 07-Feb-2020  ntial female-led enterprises (Perce   | Actual (Previous) 0.00 07-Feb-2020 entage, Custom) Actual (Previous)   | 0.00<br>08-Jun-2020<br>Actual (Current)  | 17.00<br>30-Jun-2021<br>End Target                                    |  |
| Value  Date  ▶ Percentage of potential  Value  Date   | Baseline 0.00 07-Feb-2020  ntial female-led enterprises (Percentage) Baseline 0.00 07-Feb-2020   | Actual (Previous)  0.00  07-Feb-2020  entage, Custom)  Actual (Previous)  0.00                                       | 0.00<br>08-Jun-2020<br>Actual (Current)<br>0.00                                | 17.00<br>30-Jun-2021<br>End Target<br>50.00                           |  |
| Value  Date  ▶ Percentage of potential  Value  Date   | Baseline 0.00 07-Feb-2020  ntial female-led enterprises (Perce   | Actual (Previous)  0.00  07-Feb-2020  entage, Custom)  Actual (Previous)  0.00                                       | 0.00<br>08-Jun-2020<br>Actual (Current)<br>0.00                                | 17.00<br>30-Jun-2021<br>End Target<br>50.00                           |  |
| Value  Date  ▶ Percentage of potential  Value  Date   | Baseline 0.00 07-Feb-2020  ntial female-led enterprises (Percentage) Baseline 0.00 07-Feb-2020   | Actual (Previous)  0.00  07-Feb-2020  entage, Custom)  Actual (Previous)  0.00                                       | 0.00<br>08-Jun-2020<br>Actual (Current)<br>0.00                                | 17.00<br>30-Jun-2021<br>End Target<br>50.00                           |  |
| Value  Date  ▶ Percentage of potential  Value  Date  ▶ Energy Savings (Meaning of Meaning of Meani | Baseline 0.00 07-Feb-2020  Intial female-led enterprises (Percel Baseline 0.00 07-Feb-2020  egawatt hour(MWh), Custom)                                     | Actual (Previous)  0.00  07-Feb-2020  entage, Custom)  Actual (Previous)  0.00  07-Feb-2020                          | 0.00<br>08-Jun-2020<br>Actual (Current)<br>0.00<br>08-Jun-2020                 | 17.00<br>30-Jun-2021<br>End Target<br>50.00<br>30-Jun-2021            |  |
| Value  Date  ▶ Percentage of potential  Value  Date   | Baseline 0.00 07-Feb-2020  Intial female-led enterprises (Percel Baseline 0.00 07-Feb-2020  egawatt hour(MWh), Custom)  Baseline                           | Actual (Previous)  0.00  07-Feb-2020  entage, Custom)  Actual (Previous)  0.00  07-Feb-2020  Actual (Previous)       | 0.00  08-Jun-2020  Actual (Current)  0.00  08-Jun-2020  Actual (Current)       | 17.00 30-Jun-2021  End Target 50.00 30-Jun-2021  End Target           |  |
| Value  Date  ▶ Percentage of potential  Value  Date  ▶ Energy Savings (Management)  | Baseline 0.00 07-Feb-2020  Intial female-led enterprises (Percel Baseline 0.00 07-Feb-2020  egawatt hour(MWh), Custom)  Baseline 0.00                      | Actual (Previous)  0.00  07-Feb-2020  entage, Custom)  Actual (Previous)  0.00  07-Feb-2020  Actual (Previous)  0.00 | 0.00  08-Jun-2020  Actual (Current)  0.00  08-Jun-2020  Actual (Current)  0.00 | 17.00 30-Jun-2021  End Target 50.00 30-Jun-2021  End Target 15,000.00 |  |
| Value  Date  ▶ Percentage of poter  Value  Date  ▶ Energy Savings (Medius)  Value  Date   | Baseline 0.00 07-Feb-2020  Intial female-led enterprises (Percel Baseline 0.00 07-Feb-2020  egawatt hour(MWh), Custom)  Baseline 0.00                      | Actual (Previous)  0.00  07-Feb-2020  entage, Custom)  Actual (Previous)  0.00  07-Feb-2020  Actual (Previous)  0.00 | 0.00  08-Jun-2020  Actual (Current)  0.00  08-Jun-2020  Actual (Current)  0.00 | 17.00 30-Jun-2021  End Target 50.00 30-Jun-2021  End Target 15,000.00 |  |
| Value  Date  ▶ Percentage of poter  Value  Date  ▶ Energy Savings (Medius)  Value  Date   | Baseline  0.00  07-Feb-2020  Intial female-led enterprises (Percental Baseline  0.00  07-Feb-2020  egawatt hour(MWh), Custom)  Baseline  0.00  07-Feb-2020 | Actual (Previous)  0.00  07-Feb-2020  entage, Custom)  Actual (Previous)  0.00  07-Feb-2020  Actual (Previous)  0.00 | 0.00  08-Jun-2020  Actual (Current)  0.00  08-Jun-2020  Actual (Current)  0.00 | 17.00 30-Jun-2021  End Target 50.00 30-Jun-2021  End Target 15,000.00 |  |

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Yes

30-Jun-2021

28-Jun-2024

No

08-Jun-2020

28-Jun-2024

No

Not

Effective

06-Apr-2020

27-Jun-2016

| Date  | 07-Feb-2020 | 07-Feb-2020       | 08-Jun-2020      | 31-Dec-2020 |  |  |  |  |
|---|-------------|-------------------|------------------|-------------|--|--|--|--|
| Project Implementation  | n Support   |                   |                  |             |  |  |  |  |
| ►Women's group trained as community outreach and consumer feedback agents. (Text, Custom) |             |                   |                  |             |  |  |  |  |
|   | Baseline    | Actual (Previous) | Actual (Current) | End Target  |  |  |  |  |

No

14-Oct-2019

### **Performance-Based Conditions**

## **Data on Financial Performance**

## Disbursements (by loan)

Value

Date

| P157096   | IDA-D1260      | Effective        | 05-Jul-2016   | 22-Aı    | ıg-2016 | 01-Nov-2016     | 30-Jun      | -2021       | 30-Jun-2021    |          |
|-----------|----------------|------------------|---------------|----------|---------|-----------------|-------------|-------------|----------------|----------|
| Project   | Loan/Credit/TF | Status           | Approval Date | e Signi  | ng Date | Effectiveness D | ate Orig. C | losing Date | Rev. Closing I | Date     |
| Key Dates | (by loan)      |                  |               |          |         |                 |             |             |                |          |
| P157096   | IDA-D5870      | Not<br>Effective | USD           | 12.00    | 12.00   | 0.00            | 0.00        | 11.98       |                | 0%       |
| P157096   | IDA-D1260      | Effective        | USD           | 16.00    | 16.00   | 0.00            | 5.23        | 10.25       |                | 34%      |
| Project   | Loan/Credit/TF | Status           | Currency      | Original | Revised | Cancelled       | Disbursed   | Undisbursed | % D            | isbursed |

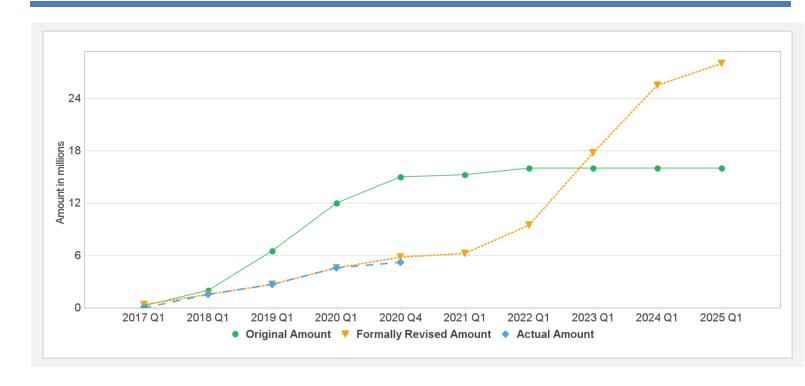
07-May-2020

### **Cumulative Disbursements**

IDA-D5870

P157096

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## **PBC Disbursement**

| PBC ID | PBC Type | Description | Coo | DDC Amount | Achievement | Disbursed amount in | Disbursement % |
|--------|----------|-------------|-----|------------|-------------|---------------------|----------------|
| PBC ID | РБС Туре | Description | Coc | PBC Amount | Status      | Coc                 | for PBC        |

## **Restructuring History**

There has been no restructuring to date.

## Related Project(s)

P169196-Power Sector Recovery Project Additional Financing

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