



Power Efficiency and Reliability Improvement Project (PERIP) (P158249)

AFRICA EAST | Mozambique | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2018 | Seq No: 9 | ARCHIVED on 24-Dec-2021 | ISR49810 |

Implementing Agencies: Republic of Mozambique, Electricidade de Moçambique (EdM), Ministry of Mineral Resources and Energy

Key Dates

Key Project Dates

Bank Approval Date: 28-Sep-2017

Effectiveness Date: 07-Jun-2018

Planned Mid Term Review Date: 30-Sep-2020

Actual Mid-Term Review Date: 05-Oct-2020

Original Closing Date: 30-Dec-2022

Revised Closing Date: 30-Dec-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective (PDO) is to improve the operational capacity of the electricity network in the project areas and the operational efficiency of EDM.

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

No

Components Table

Name

Component 1: Rehabilitation and Upgrade of Network Infrastructure:(Cost \$117.00 M)

Component 2: Enhancement of EDM Operational and Commercial Operations:(Cost \$29.50 M)

Component 3: Capacity Building and Implementation Support:(Cost \$3.50 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Unsatisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Unsatisfactory
Overall Risk Rating	<input type="checkbox"/> High	<input type="checkbox"/> High

Implementation Status and Key Decisions

The project is scheduled to close on December 20, 2022. Project implementation was slower than anticipated over the past 6 months due to a mix of technical and governance issues. Despite the challenges, the Project Implementing Units (PIUs) at EDM and MIREME continue to make progress with the remaining procurement processes and implementation of the contracts. Implementation will be monitored closely during the last 12 months of the project to anticipate and support the preparation of mitigation measures if there are any slippages.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Transmission capacity constructed or rehabilitated under the project (Kilovolt-Amphere(KVA), Custom)				
▶ Transmission capacity constructed or rehabilitated under the project (Kilovolt-Amphere(KVA), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50,000.00
Date	23-May-2017	31-May-2021	16-Dec-2021	30-Dec-2022
Comments:	Increasing transmission capacity is dependent on the ongoing substation upgrades. Contracts are ongoing and results are expected closer to contract completion.			

Cash-recovery index (Percentage, Custom)				
▶ Cash-recovery index (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	71.50	74.00	72.50	73.00
Date	18-Jul-2017	31-May-2021	16-Dec-2021	30-Dec-2022



Comments:

This is an indicator of the percentage of power purchased and generated by EDM that is paid for by consumers. This is calculated as (energy billed by EDM / energy purchased and energy generated by EDM) × (electricity billings paid by consumers / total electricity billings issued to consumers). Cash Recovery Index (%) = [kWh billed by EDM / kWh purchased and generated by EDM] × [Mt\$ paid by consumers to EDM / Mt\$ billed by EDM to consumers] × 100. This has improved largely due to the activities being completed under the Loss Reduction Plan, supported under Component 2.

Intermediate Results Indicators by Components

Component 1: Rehabilitation and Upgrade of Network Infrastructure

► Transmission lines constructed or rehabilitated by the project (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	3.00	70.00
Date	06-Jul-2017	31-May-2021	16-Dec-2021	30-Dec-2022

Comments:

Achieving this indicator is largely dependent on progress of Lot 2 under Component 1. The Contract is ongoing and site activities have started, results will be recorded at commissioning which occurs closer to contract completion.

Component 2: Enhancement of EDM Operational and Commercial Operations

► Customers with Advanced Metering Infrastructure (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5,000.00	10,000.00	17,487.00	10,000.00
Date	09-Mar-2017	31-May-2021	16-Dec-2021	30-Dec-2022

Comments:

This indicator has reached its target. This is a measure of EDM customers supplied with smart meters and incorporated into the Meter Data Management System. The Contractor is still implementing the works and 5,000 connections out of 22,000 have been completed.

► EDM's operational practices revised (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	09-Mar-2017	31-May-2021	16-Dec-2021	01-Jan-2020

Comments:

This indicator measures EDM management's approval of an operation practices manual consistent with the MIS. This has been achieved and EDM now benefits from a new structure where the Distribution and Commercial Departments are under the same directorate, thus improving operational efficiencies.

► Revised organizational structure of EDM adopted (Yes/No, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	09-Mar-2017	31-May-2021	16-Dec-2021	01-Jan-2020
Comments:	EDM has approved a new organizational structure, including the combination of the Distribution and Commercial Departments.			
► EDM staff provided with operational training in either HR, Finance, Technical, Procurement (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50.00	24.00	150.00
Date	09-Mar-2017	31-May-2021	16-Dec-2021	30-Dec-2022
<input type="checkbox"/> Female EDM staff provided with operational training in either HR, Finance, Technical, Procurement (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	75.00
Date	18-Jul-2017	31-May-2021	16-Dec-2021	30-Dec-2022
► EDM to develop a gender-sensitive customer service survey and make results public in the web (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	13-Mar-2017	31-May-2021	16-Dec-2021	30-Dec-2022
Comments:	EDM has developed a Customer Satisfaction survey with the support of external consultants and published its results.			

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P158249	IDA-D2380	Effective	USD	150.00	150.00	0.00	53.99	95.35	36%

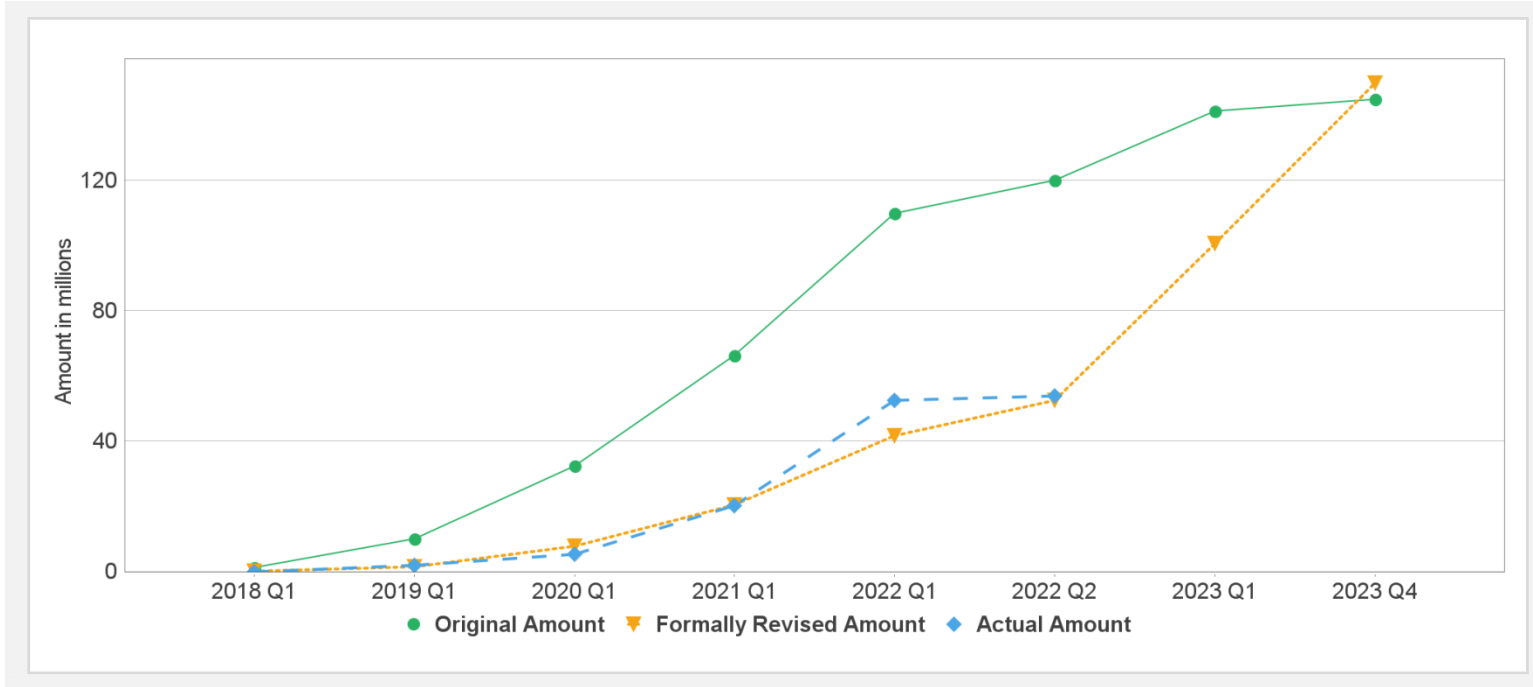
Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
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P158249 IDA-D2380 Effective 28-Sep-2017 25-Oct-2017 07-Jun-2018 30-Dec-2022 30-Dec-2022

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

Level 2 Approved on 14-Feb-2021

Related Project(s)

There are no related projects.