



## BI-Jiji and Mulembwe Hydropower (P133610)

EASTERN AND SOUTHERN AFRICA | Burundi | Energy & Extractives Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 17 | ARCHIVED on 31-May-2023 | ISR55480 |

Implementing Agencies: Ministry of Finance, REGIDESO (Régie de Production d'Eau et d'Electricité), Republic of Burundi

## Key Dates

### Key Project Dates

Bank Approval Date: 22-Apr-2014

Effectiveness Date: 12-Jan-2015

Planned Mid Term Review Date: 30-Sep-2022

Actual Mid-Term Review Date: 19-Sep-2022

Original Closing Date: 31-Dec-2019

Revised Closing Date: 31-Dec-2023

## Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective is to increase the supply of clean and low cost hydropower electricity to Burundi's national grid.

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

No

## Components Table

Name

Component A: Hydropower Facilities and Electricity Services:(Cost \$234.00 M)

Component B: Technical Assistance for Physical Infrastructure:(Cost \$13.90 M)

Component C: Power Sector Reform, Institutional Development and REGIDEO Performances Improvement:(Cost \$11.20 M)

## Overall Ratings

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

## Implementation Status and Key Decisions

The construction of the Jiji and Mulembwe hydropower facilities continues on the ground and has reached 60% completion, while the construction of the substations and transmission lines have reached 40% and 57% completion respectively.

Going forward, the following key and urgent corrective measures will need to be undertaken to speedup project implementation : (i) acceleration and optimization of the implementation of the contract for the construction of hydropower facilities, particularly for the excavation of tunnels which are on the critical path; (ii) acceleration of the implementation of the ESMP and RAP for the transmission lines to allow the contractor in charge of the construction of the transmission lines to efficiently implement its work; and (iii) coordination of the design and interfaces between the transmission lines and substations contractors.

The project is still highly relevant for the country and the progress towards achieving the project development objectives is moderately satisfactory.



## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### PDO Indicators by Objectives / Outcomes

Increase the supply of clean and low cost hydropower electricity to Burundi's national grid				
▶ Quantity of hydroelectricity additionally generated under the project (Cumulative) (Gigawatt-hour (GWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	213.50
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
▶ Avoidance of CO2 emissions per year of operation (measured in kg CO2 emissions) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	232,978.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023



► Ratio of the levelized cost of production from Jiji and Mulembwe compared with levelized cost of production from oil based generation (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023

### Intermediate Results Indicators by Components

Component A: Hydropower Facilities and Electricity Services				
► Generation Capacity of Hydropower constructed or rehabilitated under the project (Megawatt, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	48.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
□ Generation Capacity of Hydropower constructed under the project (Megawatt, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	48.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
► Direct project beneficiaries (number), of which female (percentage) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	900.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
□ Percentage Female (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
► Transmission lines constructed or rehabilitated under the project (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	132.00



Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
<input type="checkbox"/> Transmission lines constructed under the project (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	132.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
<input checked="" type="checkbox"/> Distribution lines constructed or rehabilitated under the project (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
<input type="checkbox"/> Distribution lines constructed under the project (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
<input checked="" type="checkbox"/> Number of substations constructed and extended (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
<input checked="" type="checkbox"/> People provided with access to electricity by household connections (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	117.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
<input type="checkbox"/> People provided with access to electricity by hhold connections-Grid (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	117.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
<input checked="" type="checkbox"/> Community electricity connections constructed under the project (Number, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	54.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023
<input type="checkbox"/> Community electricity connections constructed –Grid (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	54.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023

#### Component B: Technical Assistance for Physical Infrastructure

##### ► Feasibility studies elaborated for new investments (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	3.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023

##### ► Hydropower Plant Contract Awarded (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	23-Apr-2014	31-Dec-2019	17-Oct-2018	31-Dec-2023

##### ► Transmission Line Contract Awarded (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	27-Aug-2021	17-Sep-2021	17-Sep-2021	31-Dec-2023

##### ► Substations Contract Awarded (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	15-Sep-2021	06-Dec-2021	06-Dec-2021	31-Dec-2023

##### ► Owner's Engineer Contract Awarded (Yes/No, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	23-Apr-2014	15-Jan-2020	27-Jul-2017	31-Dec-2019

Component C: Power Sector Reform, Institutional Development and REGIDESO Performances Improvement

► Debt Service Coverage ratio (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.30	1.30	1.30	1.30
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023

► Billing Collection Ratio (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	84.00	93.00	93.00	93.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023

► Ratio of Current Assets to Liabilities (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.70	1.00	2.50	1.00
Date	23-Apr-2014	22-Nov-2022	12-Apr-2023	31-Dec-2023

► The regulator (ACR) is established and resourced with staff assigned. (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	23-Apr-2014	31-Dec-2019	12-Apr-2023	31-Dec-2023

► Management Information System is installed (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	10-Jul-2019	22-Nov-2022	12-Apr-2023	31-Dec-2023

► The implementation of the Revenue Protection Program is completed (Yes/No, Custom)





	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	10-Jul-2019	22-Nov-2022	12-Apr-2023	31-Dec-2023

**Performance-Based Conditions**

**Data on Financial Performance**

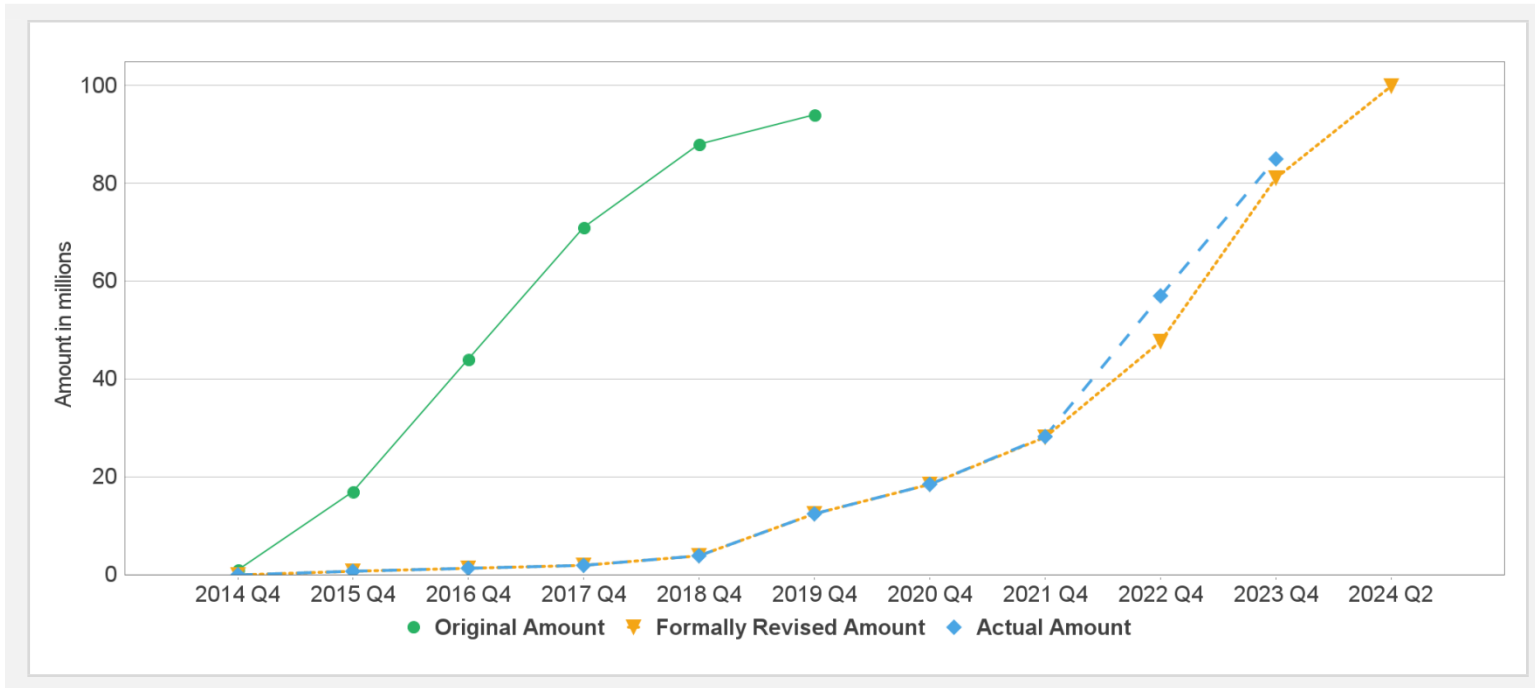
**Disbursements (by loan)**

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P133610	IDA-H9350	Effective	USD	100.00	100.00	0.00	65.47	22.71	 74%
P133610	TF-A4223	Effective	USD	30.34	30.34	0.00	19.46	11.27	 63%

**Key Dates (by loan)**

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P133610	IDA-H9350	Effective	22-Apr-2014	18-Jul-2014	12-Jan-2015	31-Dec-2019	31-Dec-2023
P133610	TF-A4223	Effective	15-Sep-2017	19-Dec-2017	09-Dec-2019	31-Jul-2022	31-Dec-2023

**Cumulative Disbursements**



### Restructuring History

Level 2 Approved on 05-Dec-2019 ,Level 2 Approved on 29-Jul-2022 ,Level 2 Approved on 29-Sep-2022

### Related Project(s)

There are no related projects.