



## BI-Jiji and Mulembwe Hydropower (P133610)

AFRICA | Burundi | Energy & Extractives Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 4 | ARCHIVED on 11-Aug-2016 | ISR24651 |

Implementing Agencies: REGIDESO (Régie de Production d'Eau et d'Electricité)

### Key Dates

#### Key Project Dates

Bank Approval Date:22-Apr-2014

Effectiveness Date:12-Jan-2015

Planned Mid Term Review Date:16-Jan-2017

Actual Mid-Term Review Date:--

Original Closing Date:31-Dec-2019

Revised Closing Date:31-Dec-2019

### 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

Name

Component A: Hydropower Facilities and Electricity Services:(Cost \$82.60 M)

Component B: Technical Assistance for Physical Infrastructure:(Cost \$14.60 M)

Component C: Power Sector Reform and Institutional Development:(Cost \$4.40 M)

### Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Moderately Unsatisfactory	● Moderately Unsatisfactory
Overall Implementation Progress (IP)	● Moderately Unsatisfactory	● Moderately Unsatisfactory
Overall Risk Rating	● High	● High

### Implementation Status and Key Decisions



**Construction Contract for Jiji and Mulembwe Hydropower (est. cost US\$189m).** Pre-qualification process concluded and no-objection provided (10 applicants out of 18 are pre-qualified) in November 2015. The Bidding Document are not yet finalized. It needs to be updated with the results of the additional seismic (geophysical) studies by August 2016. Contract signing is anticipated for June 2017.

**Construction Contract for T-lines and substations (est. cost US\$22.9m and US\$22m respectively).** The WB provided no-objection to the Prequalification Documents for both contracts in December 2015. It is expected the Prequalification report submitted for No objection from WB and EU in August 2016.

**Updating of the Resettlement Action Plans (RAPs)** . The way leave of the Project (déclaration d'utilité publique) was approved by the Ministry of Environment in November 2015. Updating the RAPs will be completed by January 2017.

**Government of Burundi Counterpart Funding.** The first installment of GOB funding (for compensation of project affected persons) has been allocated in the 2016 budget.

**Component C1 REGIDESO Reform:** (i) **REGIDESO Business Plan (BP)** Implementation Status. Preparation of the detailed Business Plan started in July 2015; (ii) **Contract Plan** (Performance Agreement between MoEM and REGIDESO), the first draft of the Contract Plan is in final draft. (iii)

**Revision of REGIDESO Statutes.** This work is stalled.

**Component C2 Reinforcement of the Power Sector Regulator.** The consultant contract (in support of capacity development of the regulator) will be awarded end of July 2016.

**Component C3 Support to PPPs** In April 2015 the work by the IFC (financed under SE4ALL) was finalized and consisted in the drafting of the new Electricity Law, the various decrees and ordinances for the law to be implemented and the PPP and PPA model contracts for hydro projects.

## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### Project Development Objective Indicators



► 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-Dec-2015	22-Jul-2016	31-Dec-2019

► 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	232978.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

► 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-Dec-2015	22-Jul-2016	31-Dec-2019

Overall Comments

**Intermediate Results Indicators**

► Generation Capacity of Hydropower constructed or rehabilitated under the project (Megawatt, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	48.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019



▲ Generation Capacity of Hydropower constructed under the project (Megawatt, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	48.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

▶ Direct project beneficiaries (number), of which female (percentage) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

▲ 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-Dec-2015	22-Jul-2016	31-Dec-2019

▶ Transmission lines constructed or rehabilitated under the project (Kilometers, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	132.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019



▲ Transmission lines constructed under the project (Kilometers, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	132.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

▶ Distribution lines constructed or rehabilitated under the project (Kilometers, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

▲ Distribution lines constructed under the project (Kilometers, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

▶ 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-Dec-2015	22-Jul-2016	31-Dec-2019



► People provided with access to electricity by household connections (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	117.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

▲ People provided with access to electricity by hhold connections-Grid (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	117.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

► Community electricity connections constructed under the project (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	54.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

▲ Community electricity connections constructed –Grid (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	54.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019


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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019


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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	Y	Y	Y
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

**► 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-Dec-2015	22-Jul-2016	31-Dec-2019

**► Billing Collection Ratio (Percentage, Custom)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	84.00	84.00	84.00	93.00
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.70	1.70	1.70	1.00
Date	23-Apr-2014	12-May-2015	22-Jul-2016	22-Dec-2015






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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	Y	Y	Y
Date	23-Apr-2014	22-Dec-2015	22-Jul-2016	31-Dec-2019

Overall Comments

## Data on Financial Performance

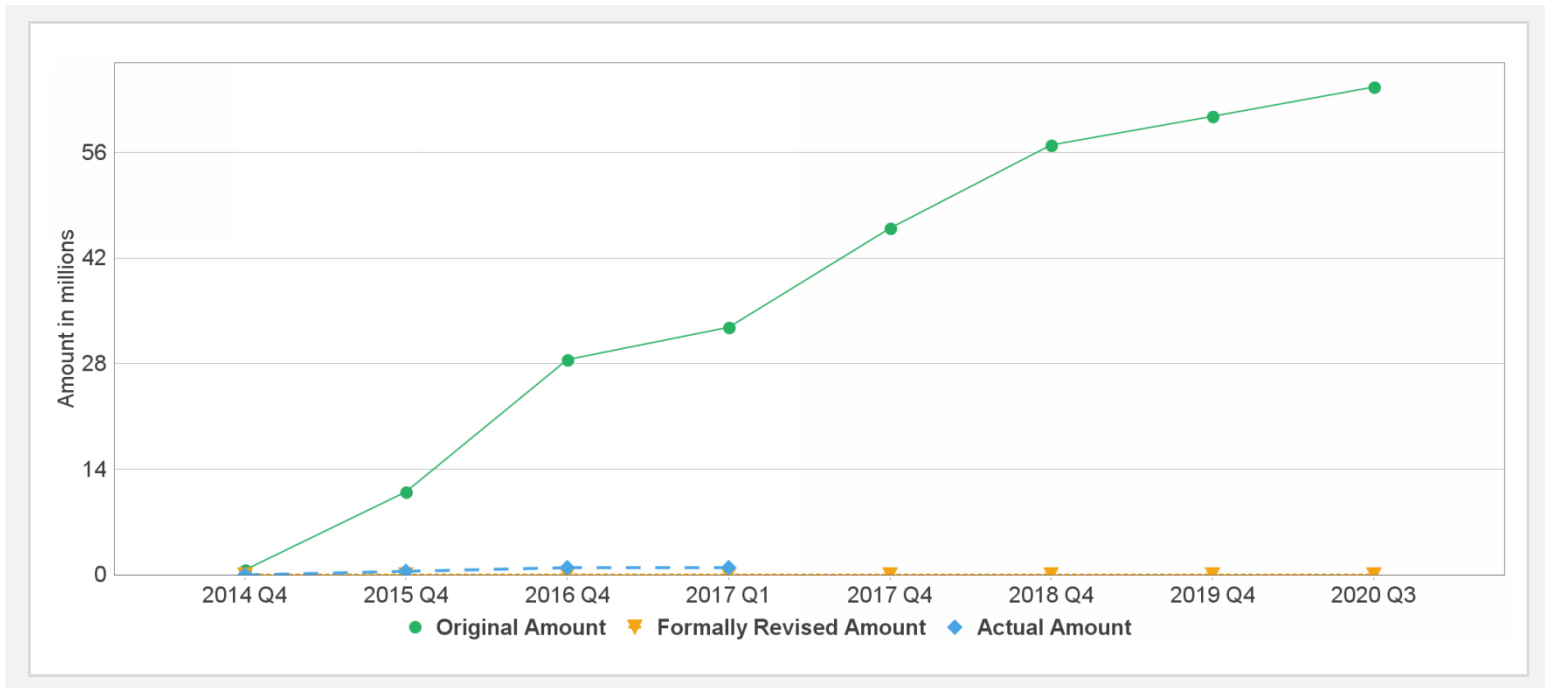
### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P133610	IDA-H9350	Effective	XDR	64.70	64.70	0.00	0.94	63.76	 1%

### 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-2019

### Cumulative Disbursements



## Restructuring History

There has been no restructuring to date.

## Related Project(s)

There are no related projects.