



Ethiopia Geothermal Sector Development Project (P133613)

AFRICA EAST | Ethiopia | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 15 | ARCHIVED on 24-Nov-2020 | ISR44375 |

Implementing Agencies: Ethiopian Electric Power, Government of Ethiopia

Key Dates

Key Project Dates

Bank Approval Date: 29-May-2014

Effectiveness Date: 05-Aug-2014

Planned Mid Term Review Date: 28-Feb-2017

Actual Mid-Term Review Date: 28-Feb-2017

Original Closing Date: 30-Jun-2020

Revised Closing Date: 31-Dec-2021

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Development Objective of Geothermal Sector Development Project (GSDP) is to develop geothermal resources in Ethiopia.

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

No

Components Table

Name
Aluto Geothermal Site Development:(Cost \$126.80 M)
Legal, Institutional and Regulatory Framework Development:(Cost \$5.00 M)

Overall Ratings

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

Implementation Status and Key Decisions

The project was restructured in May 2020 and closing date extended to December 2021. The project has made important progress towards the commencement of the drilling operation. The first drilling rig has been erected at the Aluto project site, and will soon be commissioned. The second drilling rig, which has been shipped from the manufacturer's site in China, started arriving at site. Civil work is progressing and has completed significant parts of the access roads needed to start the drilling. EEP also made progress in the procurement of drilling and geothermal reservoir modelling software, which is critical but has been pending in the past for a long time.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Develop Geothermal Resources in Ethiopia				
▶ Geothermal wells with potential to generate electricity (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	8.00
Date	21-Apr-2014	26-May-2020	18-Nov-2020	31-Dec-2021
▶ Geothermal wells drilled and tested (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	14.00
Date	21-Apr-2014	26-May-2020	18-Nov-2020	31-Dec-2021
▶ Geothermal sites confirmed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00



Date	21-Apr-2014	26-May-2020	18-Nov-2020	31-Dec-2021
► Geothermal sector strategy developed (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	26-May-2020	26-May-2020	18-Nov-2020	31-Dec-2021

Intermediate Results Indicators by Components

Aluto Geothermal Site Development				
► Civil work and water supply construction finalized (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	26-May-2020	26-May-2020	18-Nov-2020	30-Sep-2020
► First rig installed in Aluto site (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	26-May-2020	26-May-2020	18-Nov-2020	31-Aug-2020
► Second rig arrival in Aluto site (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	26-May-2020	26-May-2020	18-Nov-2020	01-Aug-2020
► First rig drilling operation starts (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	26-May-2020	26-May-2020	18-Nov-2020	01-Sep-2020
► Second rig drilling operation starts (Yes/No, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	26-May-2020	26-May-2020	18-Nov-2020	01-Oct-2020
► Geothermal capacity confirmed for electricity generation (Megawatt, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	35.00
Date	01-Jun-2014	13-Jul-2020	18-Nov-2020	31-Dec-2021

Legal, Institutional and Regulatory Framework Development

► Training/Workshops held (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	4.00
Date	21-Apr-2014	26-May-2020	18-Nov-2020	31-Dec-2021

► EEP Staff trained (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	45.00
Date	21-Apr-2014	26-May-2020	18-Nov-2020	31-Dec-2021

► EEP retrained procurement staff (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4.00
Date	21-Apr-2014	26-May-2020	18-Nov-2020	31-Dec-2021

► GSE/MoWIE/MoM staff trained (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	45.00
Date	21-Apr-2014	26-May-2020	18-Nov-2020	31-Dec-2021

► Feasibility study completed (Yes/No, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	21-Apr-2014	26-May-2020	18-Nov-2020	31-Dec-2021

Performance-Based Conditions

Data on Financial Performance

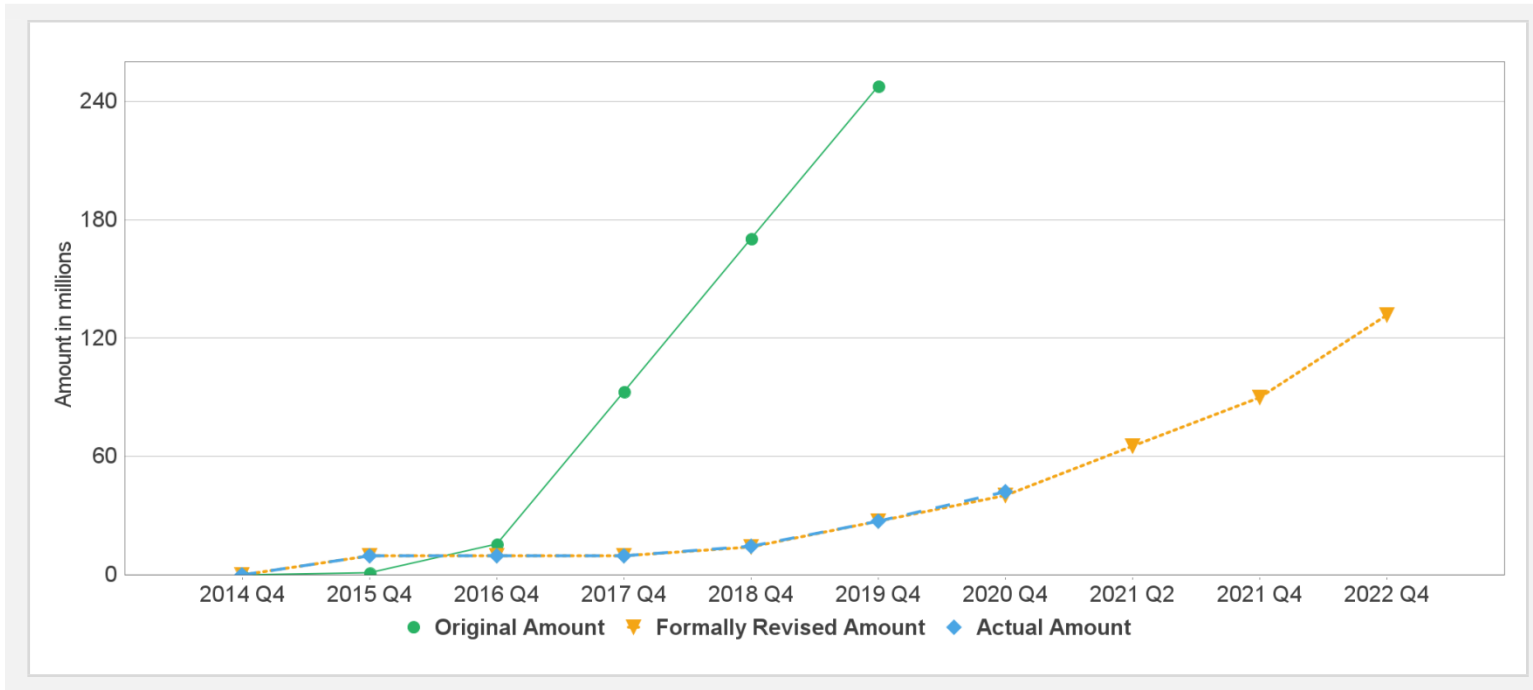
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P133613	IDA-54680	Effective	USD	178.50	128.50	50.00	45.05	65.48	41%
P133613	TF-17206	Effective	USD	24.50	24.50	0.00	5.90	18.60	24%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P133613	IDA-54680	Effective	29-May-2014	10-Jun-2014	05-Aug-2014	30-Jun-2020	31-Dec-2021
P133613	TF-17206	Effective	10-Jun-2014	10-Jun-2014	03-Oct-2014	30-Jun-2020	31-Dec-2021

Cumulative Disbursements



PBC Disbursement

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

Restructuring History

Level 2 Approved on 05-Jun-2020 ,Level 2 Approved on 27-Jul-2020

Related Project(s)

There are no related projects.