



Geothermal Exploratory Drilling Project (P152039)

EUROPE AND CENTRAL ASIA | Armenia | Energy & Extractives Global Practice | Recipient Executed Activities | Investment Project Financing | FY 2015 | Seq No: 1 | ARCHIVED on 24-Sep-2015 | ISR20717 |

Implementing Agencies: Renewable Resources and Energy Efficiency Fund

Key Dates

Key Project Dates

Board Approval date:08-Jun-2015 Planned Mid Term Review Date:20-Jan-2017 Original Closing Date:31-May-2019 Effectiveness Date:25-Aug-2015 Actual Mid-Term Review Date:--Revised Closing Date:31-May-2019

Project Development Objectives

Project Development Objective (from Project Appraisal Document) The proposed project development objective is to confirm whether the geothermal resource at the project site is suitable for power generation and, if confirmed, to involve the private sector in the development of a geothermal power plant.

Has the Project Development Objective been changed since Board Approval of the Project Objective? No

Components

Name Phase I exploratory drilling program:(Cost \$5.37 M) Phase II exploratory drilling program and transaction advisory:(Cost \$5.31 M)

Overall Ratings

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

Implementation Status and Key Decisions



The project is effective. The construction of the access road to the Karkar site and rig pads, required for equipment and facilities for drilling of slim well(s), is in progress. The drilling of slim well(s) will commence in early June 2016 immediately after the weather conditions at the site improve.

Risks

Systematic Operations Risk-rating Tool

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



Results

Project Development Objective Indicators

► Evidence provided to the Government for its decision on whether or not to construct a geothermal power plant at the Karkar geothermal site (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Ν		Ν	Υ
Date	14-Jan-2015		15-Sep-2015	30-Apr-2018

► If geothermal resource is confirmed, power plant development is competitively awarded to qualified private developer(s) (Yes/No, Custom)

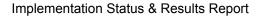
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Ν		Ν	Υ
Date	14-Jan-2015		15-Sep-2015	30-May-2019

Overall Comments

Intermediate Results Indicators

▶ One or two slim exploratory wells drilled to a depth of around 1,200 meters (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0		0	At least 1
Date	30-Mar-2015		15-Sep-2015	30-Sep-2016





► One production-size well drilled to a depth of around 1,800 meters if the results of the drilling of slim well(s) warrantee such drilling (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00		0.00	1.00
Date	30-Mar-2015		15-Sep-2015	30-Sep-2017

▶ Feasibility study for a potential power plant completed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No		No	Yes
Date	30-Mar-2015		15-Sep-2015	30-Apr-2018

► Tendering for private sector involvement in construction of a geothermal power plant completed if results from the feasibility study confirm technical and economic/financial viability of such a plant (Text, Custom)

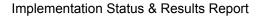
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No		No	Yes
Date	30-Mar-2015		15-Sep-2015	15-May-2019

► Percent of registered project related grievances responded to within stipulated service standards for response times (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00		100.00	100.00
Date	30-Mar-2015		15-Sep-2015	30-May-2019

Overall Comments

Data on Financial Performance



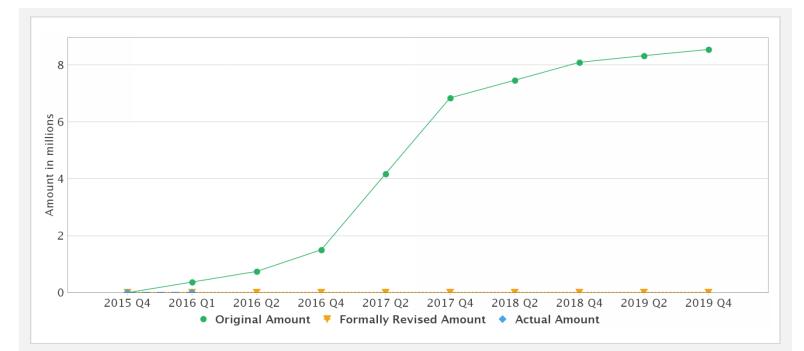


The World Bank Geothermal Exploratory Drilling Project (P152039)

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P152039	TF-A0544	Effective	USD	8.55	8.55	0.00	0.00	8.55	0%
Key Dates	s (by loan)								
Project	Loan/Credit/TF	Status	Approval Date	e Signir	ng Date	Effectiveness [Date Orig.	Closing Date	Rev. Closing Date
P152039	TF-A0544	Effective	08-Jun-2015	16-Ju	n-2015 2	25-Aug-2015	31-Ma	y-2019	31-May-2019

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.

