



Indonesia: Geothermal Energy Upstream Development Project (P155047)

EAST ASIA AND PACIFIC | Indonesia | Energy & Extractives Global Practice |
 Recipient Executed Activities | Investment Project Financing | FY 2017 | Seq No: 1 | ARCHIVED on 27-Mar-2017 | ISR27184 |

Implementing Agencies:

Key Dates

Key Project Dates

Bank Approval Date:09-Feb-2017

Effectiveness Date:--

Planned Mid Term Review Date:31-Jan-2020

Actual Mid-Term Review Date:--

Original Closing Date:--

Revised Closing Date:--

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The PDO is to facilitate investment in geothermal power generation and reduce greenhouse gas emissions.

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

No

Components

Name

Risk Mitigation for Geothermal Exploration Drilling:(Cost \$98.00 M)

Capacity Building on Geothermal Exploration and Environmental and Social Safeguards Management

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 was approved by the World Bank Board of Executive Directors on February 9, 2017. PT SMI, the implementing agency and recipient of the



Clean Technology Fund and Global Environment Facility grants, is now working on meeting the effectiveness conditions so that implementation can start.

Risks

Systematic Operations Risk-rating Tool

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

Results

Project Development Objective Indicators

► Electric power generation capacity enabled through the issuance of geothermal development licenses (Megawatt, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	65.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022

► Commercial capital mobilized for investment in geothermal power generation (million) (Amount(USD), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	195.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022



► Estimated GHG emission reduction compared to a business-as-usual baseline (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	0.33
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022

Overall Comments

Intermediate Results Indicators

► Total generating capacity-equivalent of steam yield from all wells drilled (Megawatt, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	48.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022

► Average generating capacity-equivalent of steam yield per well drilled (Megawatt, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	6.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022



► Issuance of geothermal development licenses (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	4.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022

► Estimated increase in the number of connected households for the associated local electricity networks (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	116,411.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022

► Direct project beneficiaries (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	582,055.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022

▲ Female beneficiaries (Percentage, Core Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	50.00



► Delivery of Inferred Resource Capacity Reports by Exploration Management Team (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	5.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022

► Practice guides for safeguards implementation (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	2.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022

► Villages located next to exploration sites with at least one public consultation held (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	100.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022

► Share of public consultations segregated by gender (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	50.00
Date	01-May-2017	--	24-Feb-2017	30-Dec-2022

Overall Comments



Data on Financial Performance

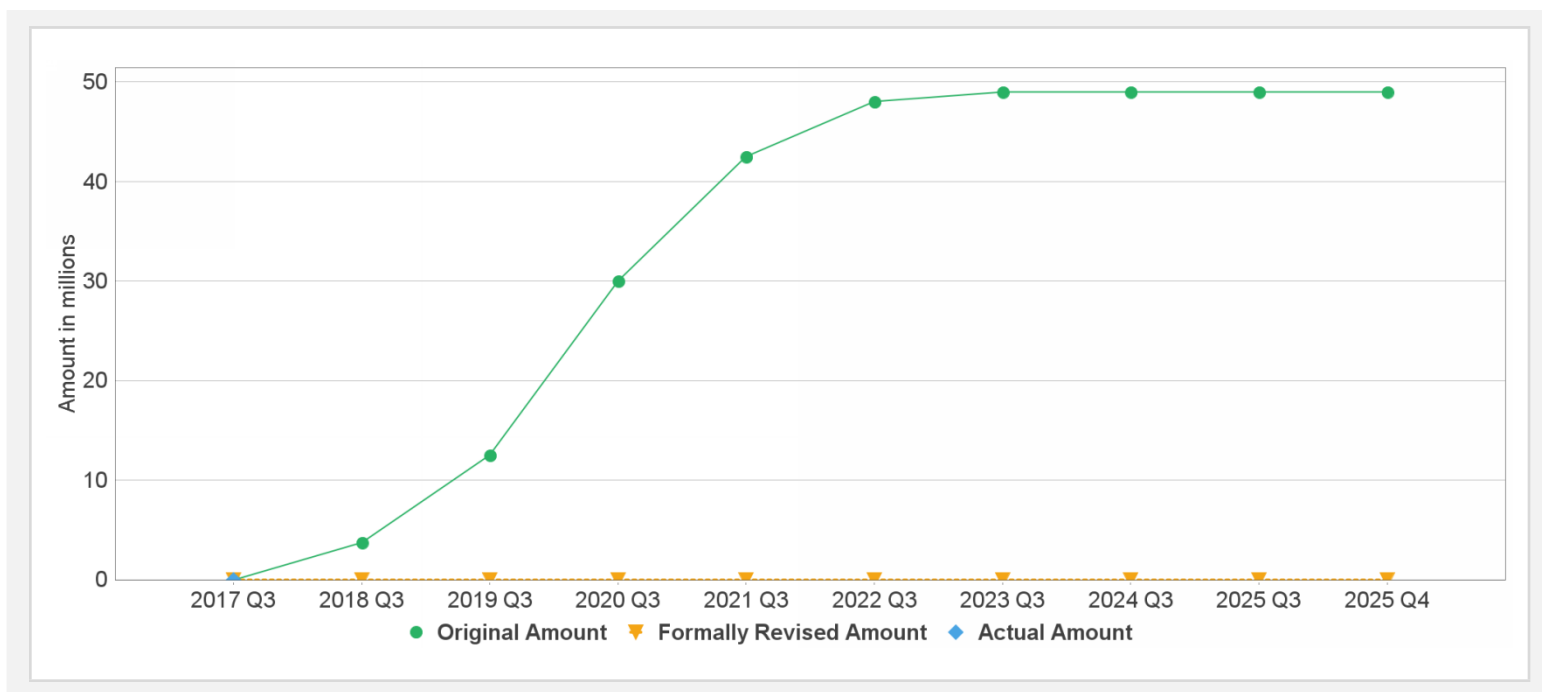
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
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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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Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.