



Vietnam Dam Rehabilitation and Safety Improvement Project (P152309)

EAST ASIA AND PACIFIC | Vietnam | Water Global Practice |
IBRD/IDA | Investment Project Financing | FY 2016 | Seq No: 14 | ARCHIVED on 22-Dec-2021 | ISR49194 |

Implementing Agencies: Vietnam Ministry of Agriculture and Rural Development, Central Project Office

Key Dates

Key Project Dates

Bank Approval Date: 15-Dec-2015

Effectiveness Date: 07-Jul-2016

Planned Mid Term Review Date: 31-May-2019

Actual Mid-Term Review Date: 20-May-2019

Original Closing Date: 30-Jun-2022

Revised Closing Date: 30-Jun-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective is to improve the safety of targeted dams under the Government's Dam Safety Program to protect downstream communities and economic activities through priority investments and capacity enhancement.

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

No

Components Table

Name

1. Dam Safety Rehabilitation:(Cost \$412.00 M)
2. Dam Safety Management:(Cost \$20.00 M)
3. Project Management Support:(Cost \$11.00 M)

Overall Ratings

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

Implementation Status and Key Decisions

The project has made significant progress since the last mission in April 2021. A number of project activities have been implementing towards achieving PDO such as: (i) 81 out of planned 116 Emergency Preparedness Plans (EPPs) for the large dams were developed which warrant safer conditions for downstream communities in case of emergencies. Remaining 35 EPPs are being prepared; (ii) number of risky dams have been completed or are under rehabilitation of its safety conditions to better protect downstream people from dam failure has reached 200- an increase of 55 dams (i.e.: 335 out of 477 project dams are under safety rehabilitation with 145 dams have been fully completed) . This achievement has helped improve water storage capacity at designed level and provided enough and stable water for use by downstream communities, especially in the dry season; (iii) Institutional capacity in managing safety of dams has also been improved with establishment and adoption of guidelines and manuals for dam designs and dam operation and maintenance. (11 guidelines were developed and approved for use). Furthermore, additional guidelines and operational manuals have developed to further enhance the management capacity of government institutions involved in managing safety of dams nation-wide. However, with only remaining 6-month implementation, it is forecasted that, only 2 PDO's indicators will be fully achieved while



the remaining 3 PDO's indicators will achieve 80% to 90% by the current project closing date. MARD, the project provinces and the Bank task team will further accelerate the project's implementation during the remaining period to the closing date to try achieving the development objectives of the project as designed.

Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Improve the safety of targeted dams under the Government's Dam Safety Program				
► Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,563,000.00	2,046,000.00	2,700,000.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
Comments:	There was a large achievement of beneficiary in 2019 and 2020. This achievement is because of (i) the change in calculation methodology of beneficiaries. In 2019, M&E consultant only calculated beneficiary for the 100% completed works of dams. However, this methodology was not correct as once the key works of spillway and culvert completed (i.e.: completed works of 70%), the dam already serves the water demand of resident. 318 dams, either completed or under construction, have contributed to high beneficiaries; (ii) the number of beneficiaries of the large dams is large leading to high number of beneficiaries in total.			



Direct Female Beneficiaries (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	725,000.00	984,000.00	1,300,000.00
Date	11-Nov-2015	31-May-2021	16-Dec-2021	30-Jun-2022
Downstream beneficiaries (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,621,000.00	2,895,000.00	4,100,000.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
Downstream female beneficiaries (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,183,000.00	1,421,000.00	2,100,000.00

Improve the safety of targeted dams under the Government's Dam Safety Program				
Portfolio risk reduced by percentage in all 14 risk categories (structural, characteristics, type, management) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	27.80	45.70	90.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022

Improve the safety of targeted dams under the Government's Dam Safety Program				
Irrigated area protected from the risk of dam failure (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	111,850.00	116,620.00	177,000.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022

Improve the safety of targeted dams under the Government's Dam Safety Program				
Adoption of Emergency Preparedness Plans for large dams included under the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	58.00	76.00	110.00



Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
Improve the safety of targeted dams under the Government's Dam Safety Program				
▶ Integrated Dam Database is operational (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	Formalized	Formalized	Formalized
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022

Intermediate Results Indicators by Components

1. Dam Safety Rehabilitation				
▶ Large dams targeted under the Project having completed (according to dam safety framework, regulations and guidelines): (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	29.00	38.00	110.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
□(i) Risk screening (yr end) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	110.00	108.00	0.00	0.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	31-Dec-2020
□(ii) Technical Design (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	89.00	93.00	110.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
□(iv) O&M plans (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	36.00	93.00	110.00
□(iii) Rehabilitation works (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	29.00	45.00	110.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
► Small dams targeted under the Project having completed (according to dam safety framework, regulations and guidelines) : (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	92.00	147.00	328.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
□(i) Risk screening (yr end) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	328.00	32.00	0.00	0.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
□(ii) Rehabilitation works (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	92.00	147.00	328.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
► Dams rehabilitated for which consultation with at least 10% of direct beneficiaries and affected households were held (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
► Satisfaction rate with completed dam rehabilitation, disaggregated by affected households and project beneficiaries (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	80.00	80.00	80.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022

2. Dam Safety Management

► Provinces with operational asset management system (defined as asset management plan approved and budgeted) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	17.00	31.00	34.00



Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
► Share of targeted dams reporting having no upstream forecasting capacity (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	96.00	86.00	86.00	10.00
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
► Operational procedures for cascade dams in two river basins (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	not available	Under process of bidding for selection of consultant by MONRE	Not adopted	Adopted
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
► Hydropower Safety Inspection Guidelines (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	-	Not adopted	Not adopted	Adopted
Date	15-Dec-2015	31-May-2021	16-Dec-2021	30-Jun-2022
Comments:	The consultant is carrying the assignment in developing the safety inspection guidelines for all hydropower dams in Vietnam. Expected to be complete by the closing date of the project			

Performance-Based Conditions

Data on Financial Performance

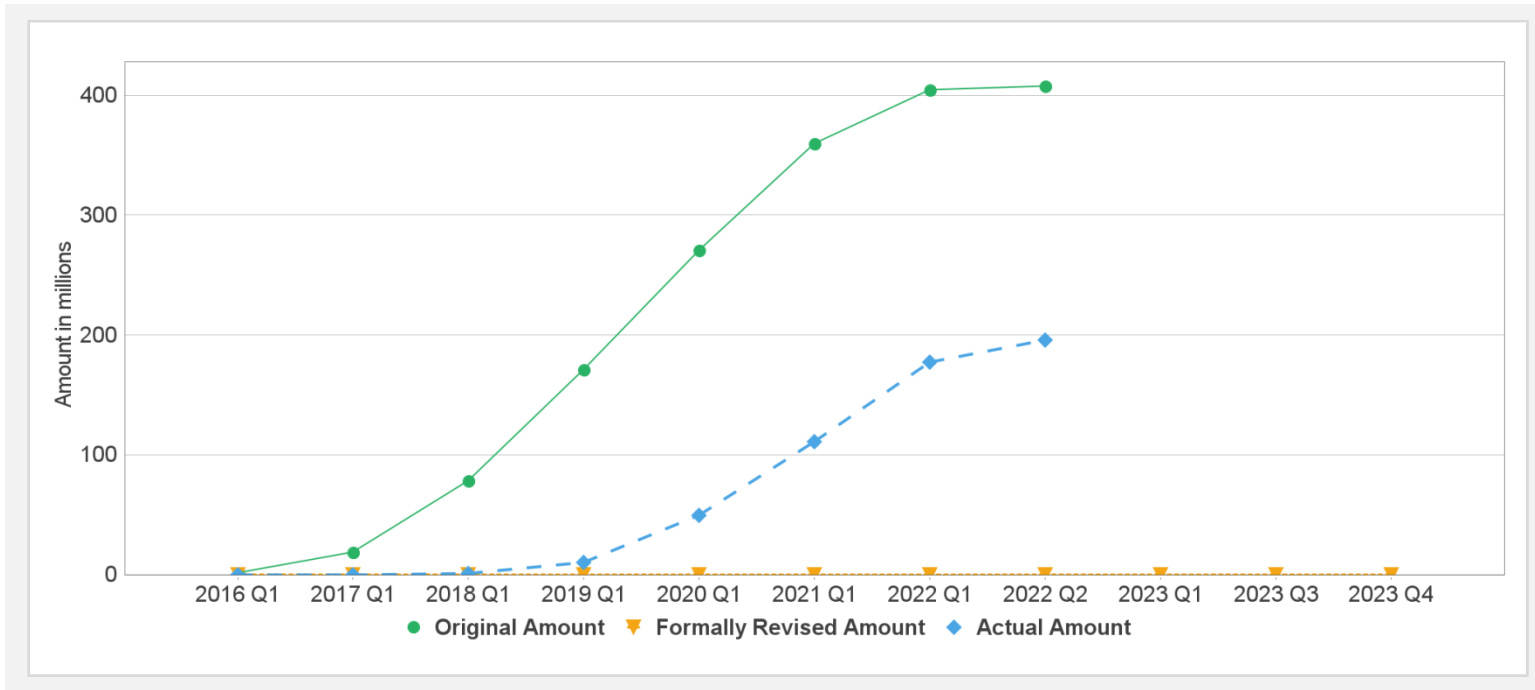
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P152309	IDA-57490	Effective	USD	415.00	415.00	0.00	195.72	220.18	47%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P152309	IDA-57490	Effective	15-Dec-2015	08-Apr-2016	07-Jul-2016	30-Jun-2022	30-Jun-2022

Cumulative Disbursements



PBC Disbursement

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

Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.