



VN-Trung Son Hydropower Project (P084773)

EAST ASIA AND PACIFIC | Vietnam | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2011 | Seq No: 15 | ARCHIVED on 31-Jul-2018 | ISR33346 |

Implementing Agencies: TRUNG SON HYDROPOWER COMPANY, SOCIALIST REPUBLIC OF VIETNAM

Key Dates

Key Project Dates

Bank Approval Date:26-Apr-2011

Effectiveness Date:23-Sep-2011

Planned Mid Term Review Date:01-Oct-2014

Actual Mid-Term Review Date:03-Nov-2014

Original Closing Date:31-Dec-2017

Revised Closing Date:31-Dec-2017

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of the project is to supply least-cost electric power in a safe and environmentally and socially sustainable way.

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

No

Components

Name

Dam and Ancillary Construction:(Cost \$238.92 M)

Transmission Line:(Cost \$18.44 M)

Social and Environment Impact Management:(Cost \$23.81 M)

Capacity Development and Scale-up:(Cost \$3.00 M)

Overall Ratings

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



Implementation Status and Key Decisions

The project met all key milestones and the full commercial operation was started in June 2017. The project has been safely operated meeting all key technical parameters and the designed energy output. The project has generated an accumulated energy output of 955 GWh, and revenues equivalent to VND 830 billion (US\$37 million). The overall safeguard compliance has been further enhanced. The proposed project extension has not been completed due to delays in the Government internal processing.



Risks

Systematic Operations Risk-rating Tool

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

Results

Project Development Objective Indicators

► Transmission lines constructed or rehabilitated under the project (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	60.00	60.00	60.00



Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	29-Dec-2017
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▲ Transmission lines constructed under the project (Kilometers, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	60.00	60.00	60.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	29-Dec-2017

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	260.00	260.00	260.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	29-Dec-2017

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	260.00	260.00	260.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Generation capacity of hydropower constructed or rehabilitated (Gigawatt-hour (GWh), Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,019.00	1,019.00	1,019.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Livelihoods of those affected by project at least maintained at pre-project levels (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Living standards score: 100 for 100% of all DPs	Living standards score: 100 for 100% of all DPs	Living standards score: 100 for 100% of all DPs	Living standards score not less than 100 for 100% of all DPs
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Evidence of satisfactory compliance with the Environment Management Plan (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	NA	Moderately Satisfactory	Moderately Satisfactory	Satisfactory
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Amount of electric energy and peaking capacity provided by the Trung Son Hydropower Plant - Electric energy (Gigawatt-hour (GWh), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,019.00	1,019.00	1,019.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Economic and financial cost of electricity from Trung Son Hydropower Plant - ERR (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	--	18.90



Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017
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Overall Comments

Intermediate Results Indicators

► Resettlement compensation: households fully compensated (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	95.00	100.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Livelihoods development: livelihood restoration program implemented and maintained in all affected villages (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	90.00	100.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Health communication and education being implemented in all affected villages (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017



► Public Health Action Plan being implemented in project communes (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Progress in procurement of three main contracts (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Construction of dam and appurtenant structures (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Pipeline projects incorporating international technical, social and environment standards (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No activities	IHA Assessment of Project completed	IHA Assessment of Project completed	Support studies complete
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017



► Corrective actions or new adaptive management programs implemented if existing mitigation measures do not reduce or eliminate impacts (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	100.00	100.00	100.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Environment management plan completion and successful in reducing impacts as expected (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	90.00	90.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Construction of 220kV power evacuation transmission line (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

► Construction of power supply lines (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017




► Construction of access road and bridges (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	26-Apr-2011	05-Dec-2017	22-Jun-2018	31-Dec-2017

Overall Comments

Data on Financial Performance

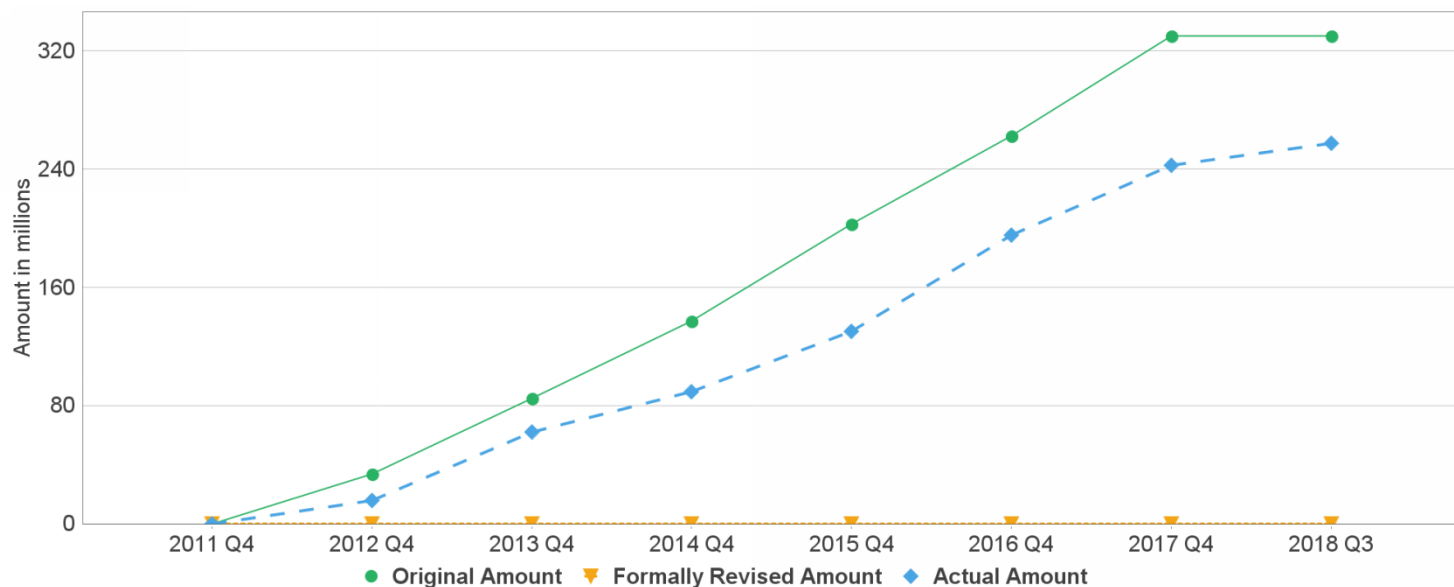
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P084773	IBRD-80410	Closed	USD	330.00	330.00	0.00	258.06	71.94	 78%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P084773	IBRD-80410	Closed	26-Apr-2011	28-Jun-2011	23-Sep-2011	31-Dec-2017	31-Dec-2017

Cumulative Disbursements



Restructuring History

Level 2 Approved on 30-Dec-2015

Related Project(s)

There are no related projects.