Public Disclosure Authorized

Vishnugad Pipalkoti Hydro Electric Project (P096124)

SOUTH ASIA | India | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2011 | Seq No: 18 | ARCHIVED on 12-Feb-2019 | ISR35467 |

Implementing Agencies: Tehri Hydro Development Corporation, THDC

Key Dates

Key Project Dates

Bank Approval Date: 30-Jun-2011
Effectiveness Date: 07-Nov-2011
Planned Mid Term Review Date: 29-Feb-2016
Actual Mid-Term Review Date: 29-Feb-2016
Original Closing Date: 31-Dec-2017
Revised Closing Date: 30-Jun-2019

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objectives are: (a) to increase the supply of electricity to India's national grid through the addition of renewable, low-carbon energy; and (b) strengthen the institutional capacity of THDC with respect to the preparation and implementation of economically, environmentally and socially sustainable hydropower projects.

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

No

Components

Name
Capacity-building and Institutional Strengthening:(Cost $10.00 M)
Vishnugad Pipalkoti Hydro Electric Project:(Cost $638.00 M)

Overall Ratings

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

Implementation Status and Key Decisions

Progress on the key components of the Project is recorded below:

1. Dam Construction - While the major milestone of River Diversion was met earlier this year, several floods have slowed progress, and construction of a Coffer Dam is yet to commence. It is critical that this commences in early January and is completed before mid-June 2019 before the next monsoon season;
2. Tunnel Boring Machine / Penstock / Upstream - Erection of the TBM is progressing well, but commissioning has been delayed due to poor rock in the TBM entry adit which has slowed progress on initial excavation of the head race tunnel. It is expected that the TBM will being operation by 1st March 2019, which will significantly increase cash flows to HCC.

3. Power House - Continued instances of poor and unstable rock in the power station have caused significant delay. New treatment methods (steel ribs are being installed in a significant length of the power station excavation) are now being introduced but will add significantly to the Project construction schedule.
4. Tail-race tunnel - new evidence of slope instability will require immediate additional works in the tailrace excavation. Investigations are currently ongoing, to understand the full extent of works required.
5. Head Race Tunnel – progress continues to be slow, utilising drill and blast techniques only while the TBM is erected.
6. Commissioning of the Project by the current projected completion date remains at significant risk due to HCC's cash flow issues, and geo-technical risk.

Risks

Systematic Operations Risk-rating Tool

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

Other	--	Substantial	Substantial
Overall	--	Substantial	Substantial

Results

PDO Indicators by Objectives / Outcomes

Generation capacity of renewable energy constructed under the project (MW) on the Alaknanda river

▸Generation capacity of energy constructed or rehabilitated (Megawatt, Corporate)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	444.00
Date	01-Jan-2014	--	01-Jan-2019	31-Dec-2020

◢Hydropower generation capacity constructed under the project (Megawatt, Corporate Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	444.00
Date	01-Jan-2014	--	01-Jan-2019	31-Dec-2020

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	444.00
Date	30-Jun-2011	05-Jun-2018	01-Jan-2019	30-Jun-2019

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	444.00
Date	30-Jun-2011	05-Jun-2018	01-Jan-2019	30-Jun-2019

Intermediate Results Indicators by Components

Vishnugad Pipalkoti Hydro Electric Project

▸RAP and community development plan implementation (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	98.00	98.00	100.00

Date	02-Nov-2009	05-Jun-2018	01-Jan-2019	30-Jun-2019

◢All entitlements for property losses and restrictions on access fully delivered (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	85.00	100.00

◢Completion of scheduled resettlement including Haat village as agreed with the PAPs (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	90.00	100.00

◢Amount spent on small infrastructure under CSR and Peripheral Development in project affected villages (Text, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Rs. 5 million	--	Rs 57 million	Rs. 90 million

►Headrace tunnel completion (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	15.00	17.00	100.00
Date	02-Nov-2009	05-Jun-2018	01-Jan-2019	30-Jun-2019

►Power house civil excavation (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	22.00	100.00
Date	02-Nov-2009	05-Jun-2018	01-Jan-2019	30-Jun-2019

►Desilting chamber (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	75.00	100.00
Date	02-Nov-2009	--	01-Jan-2019	31-Dec-2019

►Power House Electro-mechanical (equipment installation) (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No equipment delivered.	--	design in progress	Equipment for all four units installed.
Date	02-Nov-2009	--	01-Jan-2019	31-Dec-2020

►Financial disbursement (% of projected cost to completion) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target

Value	0.00	--	16.00	95.00
Date	02-Nov-2009	--	01-Jan-2019	31-Dec-2020

▸Cost overruns within physical contingency allowance (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No overrun	--	no overrun indicated to date	Achieved
Date	02-Nov-2009	--	01-Jan-2019	31-Dec-2020

▸Environmental Management Plan (EMP) implementation (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	In progress	Completed.
Date	02-Nov-2009	--	01-Jan-2019	31-Dec-2020

◢Number of environmental staff posted at site (Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	--	3.00	3.00

◢Funds utilization on CAT plan activities (excluding maintenance) (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	10.00	90.00

Capacity-building and Institutional Strengthening

▸Development of Capacity Building and Institutional Strengthening (CBIS) plan (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	--	Yes	Yes
Date	01-Jan-2014	--	01-Jan-2019	31-Dec-2020

◢Initial skills gap analysis (resulting in preparation of CBIS Plan) (Text, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	RFP for skills gap analysis launched by project effectiveness.	--	Complete	Contract completed and CBIS Plan under implementation.

◢Review of THDC institutional arrangements and current capacity building plans in consultation with THDC management and staff. (Text, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	None	--	Complete	Completed

◢Development of framework institutional capacity plan (Text, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	None	--	Complete	Completed.

◢Development of detailed institutional capacity plan (Text, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	None	--	Complete	Completed

◢Implementation of Capacity Building and Institutional Strengthening Plan (Text, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	None	--	Ongoing	Completed as planned.

►Social and Environmental Capacity Training (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	--	Yes	Yes
Date	01-Jan-2014	--	01-Jan-2019	31-Dec-2020

◢Recruitment/deployment of new environmental staff for corporate and project (Text, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2+1	--	Complete	100 percent of staff as proposed in the EMP.

◢Social staff in Corporate Social and Environment Cell (number of staff) (Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.00	--	4.00	4.00

Data on Financial Performance

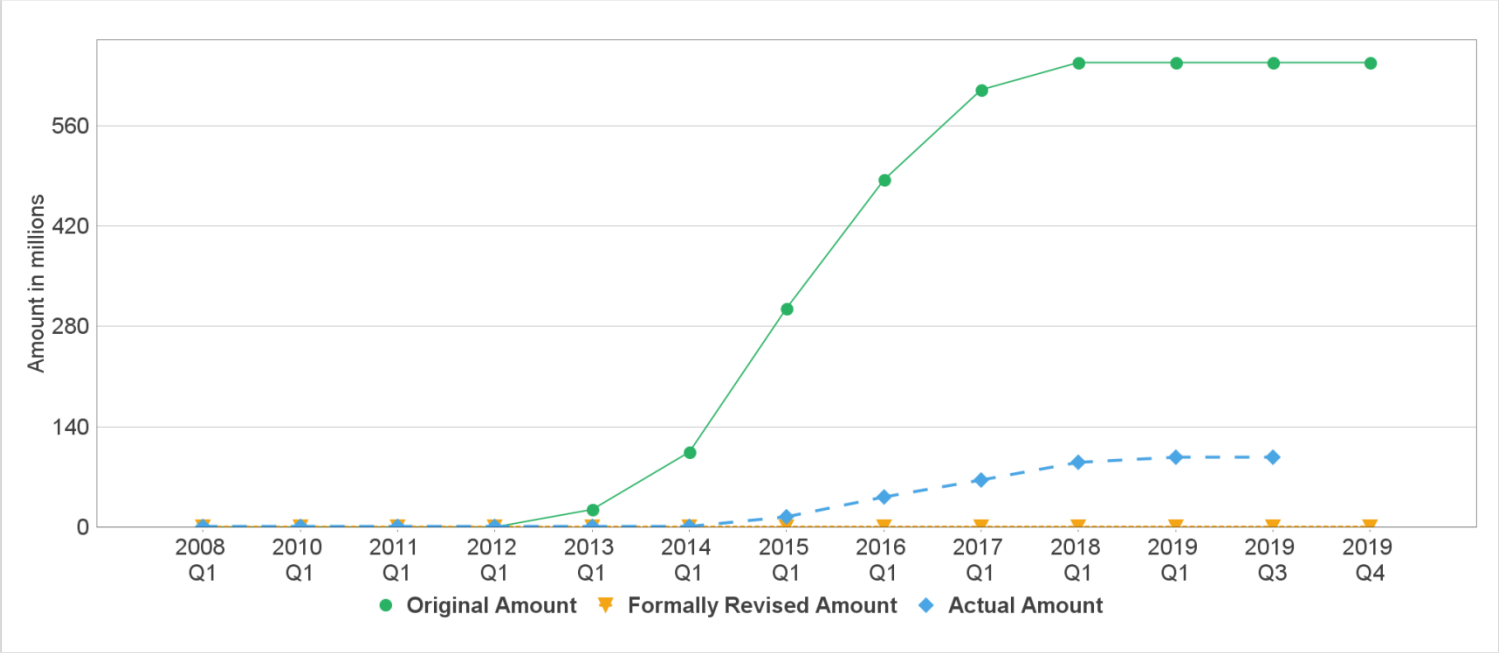
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P096124	IBRD-80780	Effective	USD	648.00	648.00	0.00	100.98	547.02	16%
P096124	TF-58016	Closed	USD	1.00	0.99	0.01	0.99	0.00	100%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P096124	IBRD-80780	Effective	30-Jun-2011	10-Aug-2011	07-Nov-2011	31-Dec-2017	30-Jun-2019
P096124	TF-58016	Closed	24-Apr-2007	24-Apr-2007	24-Apr-2007	17-Mar-2009	31-Mar-2010

Cumulative Disbursements



Restructuring History

Level 2 Approved on 21-Dec-2017

Related Project(s)

There are no related projects.