



## Vishnugad Pipalkoti Hydro Electric Project (P096124)

SOUTH ASIA | India | Energy & Extractives Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2011 | Seq No: 26 | ARCHIVED on 20-Dec-2022 | ISR53461 |

Implementing Agencies: India, THDC (Tehri Hydro Development Corporation)

## 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-2023

## 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 Table

Name

Capacity-building and Institutional Strengthening:(Cost \$10.00 M)  
Vishnugad Pipalkoti Hydro Electric Project:(Cost \$438.00 M)

## Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Unsatisfactory	<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"/> Substantial	<input type="checkbox"/> Substantial

## Implementation Status and Key Decisions

The implementation progress has significantly improved over the past 12 months, resulting in increased physical progress at the site. These efforts need to be sustained and these activities still require continuous attention. Therefore, THDC was asked to efficiently utilize the resources and expertise provided by the Project Review Panel and Strategic Advisory Team whose activities were reconvened in December 2021. To build on the momentum from the recent implementation progress and closely monitor the achievement of the agreed milestones, THDC and the World Bank will continue organizing monthly check-in meetings.



**Risks**

**Systematic Operations Risk-rating Tool**

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Macroeconomic	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Sector Strategies and Policies	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Technical Design of Project or Program	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Fiduciary	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Stakeholders	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Other	--	--	--
Overall	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> 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	0.00	444.00
Date	01-Jan-2014	23-Mar-2021	23-Mar-2021	30-Jun-2023
□ Hydropower generation capacity constructed under the project (Megawatt, Corporate Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	444.00
Date	01-Jan-2014	23-Mar-2021	23-Mar-2021	30-Jun-2023
▶ 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	23-Mar-2021	23-Mar-2021	30-Jun-2023
<input type="checkbox"/> 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	23-Mar-2021	23-Mar-2021	30-Jun-2023

### Intermediate Results Indicators by Components

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	Yes
Date	01-Jan-2014	23-Mar-2021	23-Mar-2021	30-Jun-2021
<input type="checkbox"/> 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	Complete	Contract completed and CBIS Plan under implementation.
<input type="checkbox"/> 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	Complete	Completed
<input type="checkbox"/> Development of framework institutional capacity plan (Text, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	None	Complete	Complete	Completed.
<input type="checkbox"/> Development of detailed institutional capacity plan (Text, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	None	Complete	Complete	Completed



<input type="checkbox"/> Implementation of Capacity Building and Institutional Strengthening Plan (Text, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	None	Ongoing	Ongoing	Completed as planned.
<b>► Social and Environmental Capacity Training (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	01-Jan-2014	23-Mar-2021	23-Mar-2021	31-Dec-2021
<input type="checkbox"/> Recruitment/deployment of new environmental staff for corporate and project (Text, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2+1	Complete	Complete	100 percent of staff as proposed in the EMP.
<input type="checkbox"/> 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	4.00

<b>Vishnugad Pipalkoti Hydro Electric Project</b>				
<b>► RAP and community development plan implementation (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	98.00	98.00	100.00
Date	02-Nov-2009	23-Mar-2021	23-Mar-2021	31-Dec-2021
<input type="checkbox"/> 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	85.00	100.00
<input type="checkbox"/> 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	90.00	100.00
<input type="checkbox"/> 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 57 million	Rs. 90 million



<b>► Headrace tunnel completion (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	100.00
Date	02-Nov-2009	23-Mar-2021	23-Mar-2021	30-Jun-2023
<b>► Power house civil excavation (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	75.00	75.00	100.00
Date	02-Nov-2009	23-Mar-2021	23-Mar-2021	30-Jun-2023
<b>► Desilting chamber (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	95.00	95.00	100.00
Date	02-Nov-2009	23-Mar-2021	23-Mar-2021	30-Jun-2023
<b>► Power House Electro-mechanical (equipment installation) (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No equipment delivered.	Design completed; installation will be synchronized with the completion of the dam and powerhouse.	Design completed; installation will be synchronized with the completion of the dam and powerhouse.	Equipment for all four units ready
Date	02-Nov-2009	23-Mar-2021	23-Mar-2021	30-Jun-2023
<b>► Financial disbursement (% of projected cost to completion) (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	35.00	35.00	95.00
Date	02-Nov-2009	23-Mar-2021	23-Mar-2021	30-Jun-2023
<b>► Cost overruns within physical contingency allowance (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No overrun	no overrun indicated to date	no overrun indicated to date	Achieved
Date	02-Nov-2009	23-Mar-2021	23-Mar-2021	30-Jun-2023



▶ Environmental Management Plan (EMP) implementation (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	In progress	In progress	Completed.
Date	02-Nov-2009	23-Mar-2021	23-Mar-2021	30-Jun-2023
□ Number of environmental staff posted at site (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	3.00	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	20.00	20.00	90.00

### Performance-Based Conditions

#### Data on Financial Performance

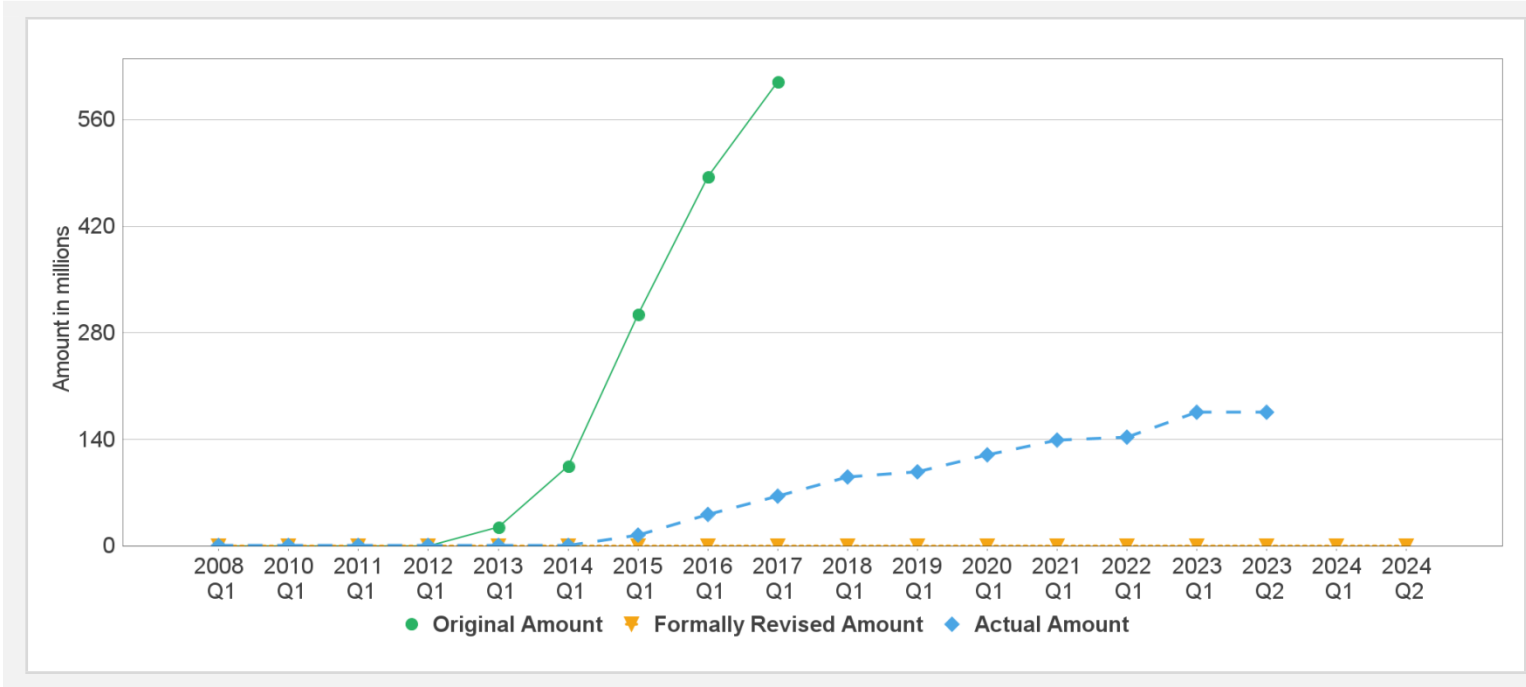
##### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P096124	IBRD-80780	Effective	USD	648.00	448.00	200.00	185.26	262.74	41%
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-2023
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 ,Level 2 Approved on 24-Jun-2019 ,Level 2 Approved on 28-Jun-2019 ,Level 2 Approved on 20-Aug-2019 ,Level 2 Approved on 27-Dec-2019 ,Level 2 Approved on 29-Jan-2020 ,Level 2 Approved on 18-Dec-2020 ,Level 2 Approved on 25-Jun-2021 ,Level 2 Approved on 28-Jun-2022

**Related Project(s)**

There are no related projects.