Public Disclosure Authorized

Nurek Hydropower Rehabilitation Project Phase I (P150816)

EUROPE AND CENTRAL ASIA | Tajikistan | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 4 | ARCHIVED on 27-Jun-2019 | ISR37002 |

Implementing Agencies: Ministry of Energy and Water Resources, Tajikistan, Ministry of Finance, Tajikistan, OJSHC Barqi Tojik

Key Dates

Key Project Dates

Bank Approval Date: 03-May-2017
Effectiveness Date: 27-Apr-2018
Planned Mid Term Review Date: 30-Jan-2020
Actual Mid-Term Review Date: --
Original Closing Date: 31-Dec-2023
Revised Closing Date: 31-Dec-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objectives are to rehabilitate and restore the generating capacity of three power generating units of Nurek hydropower plant, improve their efficiency, and strengthen the safety of the Nurek dam.

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

No

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Components

Name
Rehabilitation of the three generating units, the key infrastructural components of the plant, and replacement of auto-transformers:(Cost $310.00 M) Enhancement of dam safety:(Cost $30.00 M) Technical assistance:(Cost $10.00 M)

Overall Ratings

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

Implementation Status and Key Decisions

There is a good progress with implementation of the Phase I of the *Nurek Hydropower Rehabilitation Project, which has* co-financing from Asian Infrastructure Investment Bank (AIIB) and parallel financing from Eurasian Development Bank (EDB). The IDA Financing Agreement and the AIIB Loan Agreement were declared effective on April 30 and April 27, 2018 accordingly. EDB financing agreement is expected to be signed by mid-July with effectiveness deadline in mid-Fall 2019. The rating for achievement of PDO is Satisfactory given that the project is on track to meet the objective by the closing date and there are no material risks to its achievement.

The IP is rated Satisfactory given that key activities under the Project are implemented without delay. The power plant rehabilitation works are underway. The contracts for rehabilitation of hydro-mechanical equipment and dam monitoring & geotechnical investigation works and is expected to be signed by mid-August 2019 and mid-November 2019 respectively.

Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Rehabilitate and restore the generating capacity of three power generating units of Nurek HPP

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	1,005.00
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2022

▸Estimated annual electricity generation of three units included in the scope of the project (Gigawatt-hour (GWh), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3,750.00	--	3,750.00	3,783.00
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2023

Improve efficiency of three power generating units of Nurek HPP

▸Estimated increase of winter electricity generation of rehabilitated units due to efficiency improvements (Gigawatt-hour (GWh), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	33.00
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2023

Strenthen the safety of the Nurek Dam

▸Improved dam safety against hydrological and geological risks (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	--	No	Yes
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2023

Cumulative indicators (achieved through the project interventions)

▸People provided with improved electricity service (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	9,575,000.00
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2023

▸Female beneficiaries (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	49.30
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2023

Intermediate Results Indicators by Components

Rehabilitation of the three generating units, the key infrastructural components of the plant, and replacement of auto-transformers

▸Cumulative number of generating units rehabilitated (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	3.00
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2023

▸Cumulative number of autotransformers replaced (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	6.00
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2022

Enhancement of dam safety

▸Enhanced hydrological safety (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Once in 10,000 years flood	--	Once in 10,000 years flood	Once in 100,000 years flood
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2023

▸Upgrade of the dam monitoring instrumentation completed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	--	Tender launched	The dam monitoring instrumentation is fully operational
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2022

▸Civil, electrical and mechanical works for improvement of the dam safety completed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	--	Bidding documents under preparation	Rehabilitation of the spillway tunnel, gates and hoisting system is completed
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2022

▸Update of EPP and preparation of O&M plans completed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	--	EPP is being updated	Final updated EPP and O&M plans are effective and implemented
Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2020

Technical assistance

▸Percentage of registered project related grievances (disaggregated by gender) responded to within stipulated service standards for response times (Percentage, Custom)

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

Date	31-Dec-2016	--	17-Jun-2019	31-Dec-2023

Data on Financial Performance

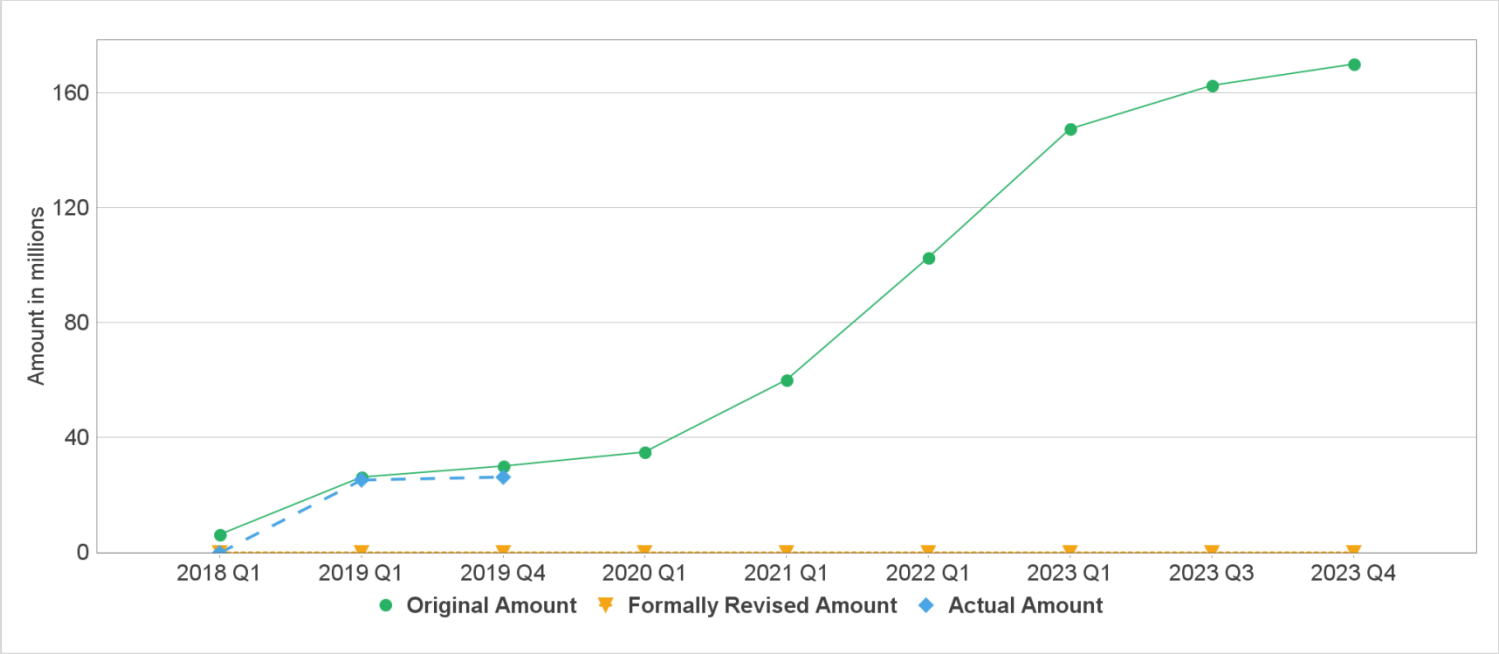
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P150816	IDA-60240	Effective	USD	69.14	69.14	0.00	5.05	64.09	7.3%
P150816	IDA-60250	Effective	USD	100.00	100.00	0.00	0.25	99.75	0.3%
P150816	IDA-D1790	Effective	USD	56.57	56.57	0.00	21.11	36.95	36%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P150816	IDA-60240	Effective	03-May-2017	02-Jun-2017	27-Apr-2018	31-Dec-2023	31-Dec-2023
P150816	IDA-60250	Effective	03-May-2017	02-Jun-2017	27-Apr-2018	31-Dec-2023	31-Dec-2023
P150816	IDA-D1790	Effective	03-May-2017	02-Jun-2017	27-Apr-2018	31-Dec-2023	31-Dec-2023

Cumulative Disbursements



Restructuring History

Level 2 Approved on 29-Nov-2018

Related Project(s)

There are no related projects.