

SBF Project Implementation Monitoring Report
Tajikistan: Nurek Hydropower Rehabilitation Project Phase I

1. Project Information

Project Name:	Nurek Hydropower Rehabilitation Project Phase I	Project No:	000018
Region/Country:	Central Asia / Tajikistan	Sector(s):	Power/Water
Year of Approval:	FY 2017	Financing Type:	SBF
Financing Instrument:	Loan	Co-financier(s):	WB (IDA)
Project Team Leader:	Maria del Carmen de Castro Ovejero	Implementing Agency:	Barqi Tojik (BT)
Field Visits	October 17-21, 2016 February 7-9, 2017 March 19-21 2019		

2. Project Objectives

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

3. Key Dates

Loan Approval:	June 15, 2017	Loan Signing:	August 1, 2017
Effectiveness:	April 30, 2018	Restructuring (if any):	n/a
Orig. Closing:	December 31, 2023	Rev. Closing (if any):	n/a

4. Disbursement Summary

Net Commitment:	USD60.0 million	Rev. Amount (if any):	n/a
Disbursed Amount:	USD8.0 million	Disbursed (last quarter):	-
Undisbursed Balance:	USD52.0 million	Disbursement Ratio:	13.33%

5. Project Implementation Status

Components	Financial Progress	Physical Progress	Safeguards Compliance	Procurement	Financial Management
Component 1: Power Plant Rehabilitation (design, model testing and installation of turbines) (USD45 million)	18% (USD8 million)	0	No issue	Component 1.1 Replacement and refurbishment of mechanical, electrical, and electromechanical equipment. Power Plant Equipment Contract was awarded to ANDRITZ HYDRO GMBH (Germany and Austria)/ANDRITZ HYDRO CORPORATION (USA) and signed on July 21, 2018. The signed contract price for the Phase I is EUR120,938,466. More details can be found on the following link: http://projects.worldbank.org/procurement/noticeoverview?lang=en&id=OP00055522 Component 1.2. Replacement of six autotransformers: 100% financed by the Eurasian Development Bank.	No issue

Component 2: Dam Safety (civil works) (USD15 million)	0	0	No issue	Dam safety hydromechanical equipment bidding documents were published on Feb. 5, 2019 and submission deadline is May 7, 2019. http://projects.worldbank.org/procurement/noticeoverview?lang=en&id=OP00066022 Geotechnical investigations and dam monitoring equipment bidding documents are currently under preparation and will be published in Q2.	No issue
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6. Status of the Grievance Redress Mechanism (GRM)

The Stakeholders Engagement Plan includes a GRM, which is based on BT's existing GRM with adjustments to ensure that there are uptake points at the local level (through local BT offices and local authorities). The GRM includes uptake points at BT in Dushanbe, local BT offices, local authorities, and the Project Management Consultant. Complainants will be able to make complaints in writing, email, or in person. The GRM references the coordination of registration and response of complaints between local and central levels with local BT offices playing a key part. Information on the GRM will be made available through local-level disclosure of the Stakeholders Engagement Plan and outreach during the consultations.

The GRM system at BT will allow generating the data on percentage of registered grievances received and responded to within stipulated service standards. BT and its regional branches will register all the grievances received from various individuals and other stakeholders. The reports to be submitted to the Lenders will include gender-disaggregated data on grievances to allow tracking percent of grievances from females.

7. Results Monitoring

Since physical project implementation has not started yet and some contracts are still under procurement stage, no result has been generated.

Project Objective Indicators	Baseline (2017)	2018		2019		2020		2021		2022		2023	
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual
Indicator #1: Generation capacity of energy constructed or rehabilitated under the Project (MW)	0 MW	0 MW		0		0		335		670		1,005	
Indicator #2: Estimated annual electricity generation of three units included in the scope of the Project (GWh)	At least 3,750GWh	At least 3,750GWh		At least 3,750GWh		At least 2,500GWh		At least 2,511GWh		At least 2,522GWh		At least 3,783GWh	
Indicator #3: Estimated increase of winter electricity generation of rehabilitated units due to efficiency improvements	0GWh	0GWh		0GWh		0GWh		At least 11GWh		At least 22GWh		At least 33GWh	
Indicator #4: Improved dam safety against hydrological and geological risks	No	No		No		No		No		Yes		Yes	
Indicator #5: People provided with improved electricity service	0	0		0		0		8,276,000		8,276,000		8,276,000	
Female beneficiaries	0	0		0		0		49.3%		49.3%		49.3%	
Project Result Indicators	Baseline (2017)	2018		2019		2020		2021		2022		2023	
				Target	Actual	Target	Actual	Target	Target	Target	Actual	Target	Actual
Indicator #1: Cumulative number of generating units rehabilitated		Contract for rehabilitation is signed and effective		Turbine hydraulic model test is completed		Design for generating units is completed and manufacturing commenced		1		1		3	

Indicator #2: Cumulative number of auto-transformers replaced		Bidding document is issued and evaluation of bids is completed		Contract for replacement of auto-transformers is signed and effective		The supply of auto-transformers is underway		Installation of auto-transformers is underway		6		6	
Indicator #3: Enhanced hydrological safety		Once in 10,000 years flood		Once in 10,000 years flood		Once in 10,000 years flood		Once in 10,000 years flood		Once in 10,000 years flood		Once in 10,000 years flood	
Indicator #4: Upgrade of the dam monitoring instrumentation completed		Bidding document is issued		Contract for upgrade of dam instrumentation is signed and effective		The supply and installation of the dam monitoring instrumentation commenced		The dam monitoring instrumentation is partly operational		The dam monitoring instrumentation is fully operational		-	
Indicator #5: Civil, electrical and mechanical works for improvement of the dam safety completed		Bidding document is issued		Contract for procurement of the dam safety improvement works is signed and effective		The dam safety improvement works are in progress		The dam safety improvement works are in progress		Rehabilitation of the spillway tunnel, gates and hoisting system is completed		-	
Indicator #6: Update of Emergency Preparedness Plan (EPP) and preparation of O&M plans completed		Draft updated EPP and O&M plans are reviewed by BT and other		Final updated EPP and O&M plans are approved		Final updated EPP and O&M plans are effective		Final updated EPP and O&M plans are effective		Final updated EPP and O&M plans are effective		Final updated EPP and O&M plans are effective	

		relevant state agencies		by BT and other relevant state agencies		and implemented		and implemented		and implemented		and implemented	
Indicator #7: Percent of registered Project-related grievances (disaggregated by gender) responded to within stipulated service standards for response times		100%		100%		100%		100%		100%		100%	