SBF Project Implementation Monitoring Report

Islamic Republic of Pakistan: Tarbela 5 hydropower extension Project

1. Project Information

Project ID:	000005	Investment Number:	L0005A
Member:	Pakistan	Region:	South East Asia
Sector:	Energy	Sub-sector:	Power generation
Financing Type:	☒ Loan ☐ Guarantee	Co-financier(s):	WB (IBRD)
Borrower:	Islamic Republic of Pakistan		
Implementing Agency:	WAPDA		
Project Team Leader:	James Lok		
Site Visits:	Last site visit took place in November 2017. WB visited the site in May 2019 and Oct 2019.		

2. Project Summary and Objectives

To facilitate the sustainable expansion of Pakistan's electricity generation capacity providing a low cost, clean, renewable energy option. The Project will add capacity of 2,820 Megawatt (MW), with annual electricity generation of over 4,800 Gigawatt-hours (GWh), primarily during the summer season when demand is highest.

3. Key Dates

Approved:	September 27, 2016	Signed:	January 18, 2017
Effective:	August 11, 2017	Restructured (if any):	n/a
Orig. Closing:	June 30, 2022	Rev. Closing (if any):	n/a

4. Disbursement Summary (USD million)

a) Committed:	300	b) Cancelled (if any):	n/a
c) Disbursed:	2.94*	d) Most recent disbursement: (amount /date)	n/a
e) Undisbursed:	0	f) Disbursement Ratio (%) [1]:	0.98%

*Capitalized Interest & Commitment fees

5. Project Implementation Update

Project implementation has started, but currently is behind original schedule, mainly due to delay in the Construction Supervision Consultant (CSC) procurement, as a result, EPC contractor has not been selected and EPC contract has not been signed.

[1] Disbursement Ratio is defined as the volume (i.e. the dollar amount) of total disbursed amount as a percentage of the net committed volume, i.e., f = c / (a – b)

The CSC has come onboard and advanced the detailed design significantly using additional investigation findings and data obtained by an additional contractor for site investigations and they have prepared a brief note including an updated forecast of electricity generation, confirmation of the constructability of the project and mitigation measures of risk identified during project preparation.

Considering this new findings, available cost estimates and updated economic value of the T5HP, WB, Consultants and WAPDA team, agreed that cost is lower than the budget provided for the Project at the Approval in 2016.

Components	Physical Progress	Safeguards Compliance	Procurement	Financial Management
Component A: Power House and Tunnel Works (USD133.2 M)	0	No issue	Delayed. Tender design and bidding documents are under preparation.	No issue
Component B1: Turbines generators and related equipment (USD110.6 M)	0	No issue	Delayed. Tender design and bidding documents are under preparation.	No issue
Component B2: Transformers, switchyard electrical connection (USD30.1 M)	0	No issue	Delayed. Tender design and bidding documents are under preparation.	No issue

6. Status of the Grievance Redress Mechanism (GRM)

A Project-specific Grievance Redress Mechanism will be used for the Project. It will address any complaints from the community during the implementation phase. A tripartite Grievance Redress Committee on labor issues has been operational during Tarbela 4 Hydropower Project and will continue to address labor complaints and employment issues under the Project. Health hazards to labor will be managed through comprehensive training and provision of protective equipment. Further, labor camps required during the construction phase will be carefully built or existing sites will be upgraded to ensure that living conditions are healthy and do not lead to any conflicts. A Labor Monitoring Plan will also ensure that suitable working conditions are in place.

7. Results Monitoring

Project Objective Indicators	Baseline (2017)	2018		2019		2020		2021		2022	
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual
Indicator #1: Generation Capacity of Hydropower Constructed Under the Project (MW)	0 MW	-		-		-		1,410		1,410	
Indicator #2: Electricity supply of renewable energy annually (GWh)	14,175GWh	17,200GWh		17,200GWh		17,200GWh		19,000GWh		19,000GWh	

Indicator #3: Availability of generation capacity during summer months (MW)	3,478MW	4,888 MW		4,888 MW		4,888 MW		6,298 MW		6,298 MW	
Indicator #4: Preparation of hydropower project, completion of pilot solar project and capacity building program (%)	20%	40%		60%		80%		100%		100%	
Project Result Indicators	Baseline (2017)	2018		2019		2020		2021		2022	
		Target	Actual	Target	Actual	Target	Target	Target	Actual	Target	Actual
Indicator #1: Component A. Construction of T5 power house and connection to Tunnel 5	0	20%		40%		80%		100%		100%	
Indicator #2: Component A. Construction of intake modification for Tunnel 5	0	-		20%		40%		80%		100%	
Indicator #3: Component B. Installation of number of power units on Tunnel 5	0	-		-		-		3		3	
Indicator #4: Component B. Construction of T5 Switchyard	0	20%		40%		80%		100%		100%	
Indicator #5: Component B. Transmission line for power evacuation	0	20%		40%		80%		100%		100%	

Remarks:

Since the project implementation is still under procurement stage, no result has been generated.