

SBF Project Implementation Monitoring Report

Bangladesh: Power System Upgrade and Expansion Project

1. Project Information

Project ID:	000088	Investment Number:	0088A-BGD
Member:	Bangladesh	Region:	Southern asia
Sector:	Energy	Sub-sector:	Electricity transmission and distribution
AIIB Financing Type:	Loan: 120 USD million	Co-financier(s):	Stand-alone
E&S category:	B	Borrower:	People's Republic of Bangladesh
Red Flags Assigned:	0	Monitoring Regime:	Regular Monitoring
Implementing Agency:	Power Grid Company of Bangladesh Ltd. (PGCB)		
Project Team Leader:	Raqib Ahmed Chowdhury		
Project Team Members:	Haiyan Wang, Senior Finance Officer, CTL Somnath Basu, Principal Social Development Specialist, OSD Zhaojing Mu, Environmental Specialist, OSD Yunlong Liu, Senior Procurement Specialist, OSD Shonell Robinson, Financial Management Specialist, OSD Liu Yang, Counsel - Investment Operations, OGC Youyang Liu, Project Assistant, TEC1		
Completed Site Visits by AIIB:	Sep, 2018		
Planned Site Visits by AIIB:	In 2021		

2. Project Summary and Objectives

The objective of the Project is to upgrade and strengthen power transmission systems in the Chittagong area to ensure adequate and reliable power supply.

3. Key Dates

Approval:	Mar. 26, 2019	Signing:	Nov. 8, 2019
Effective:	Aug. 3, 2020	Restructured (if any):	
Orig. Closing:	Jun. 30, 2023	Rev. Closing (if any):	

4. Disbursement Summary (USD million)

a) Committed:	120	b) Cancellation (if any):	
c) Disbursed:	0.3	d) Most recent disbursement: (amount / date)	0.3, Aug. 3, 2020
e) Undisbursed:	119.7	f) Disbursement Ratio(%) ¹ :	0.25

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., $f = c / (a - b)$

5. Project Implementation Update

The project's loan has become effective on August 3, 2020. Out of three bid packages, we have given no-objection on the package-1 Pre-bid documents.

Components	Physical Progress	Environmental & Social Compliance	Procurement
Component 1: Procurement of material & equipment and necessary installation works including design, erection, testing and commissioning for Anowara-Anandabazar (New Mooring) 400 kV double circuit overhead line portion: 19.932 km (USD 12.18 million)	0%	NA (as loan has become effective in August 2020)	No-objection of pre-bid documents issued for this component
Component 2: Procurement of material & equipment and necessary installation works including design,	0%	NA (as loan	Pre-bid documents

erection, testing and commissioning for Anowara-Anandabazar (New Mooring) 400 kV double circuit underground cable portion: 5.253 km; Line-in-line-out of Hathazari-Rampur 230 kV double circuit underground cable line at Anandabazar (New Mooring): 2.660 km and Madunaghat-Khulshi 230 kV double circuit underground cable line:14.580 km. (USD 64.85 million)		has become effective in August 2020)	yet to be received from PIE
Component 3: Procurement of material & equipment and necessary installation works including design, erection, testing and commissioning for 230/132 kV GIS Substation: Anandabazar (New Mooring) with 2x350/450 MVA 230/132 kV transformer; 230/132/33 kV GIS Substation: Khulshi with 2x350/450 MVA 230/132 kV and 3x80/120 MVA 132/33 kV transformer ; Two nos. 230 kV GIS bay extension at Madunaghat Substation. (USD 38.24 million)	0%	NA (as loan has become effective in August 2020)	Observations communicated to PIE after preliminary review of pre-bid documents

Financial Management:

None

6. Status of the Grievance Redress Mechanism (GRM)

After loan effectiveness, GRM establishment is under process at PIE

7. Results Monitoring

Project Outcome Indicators:

1. Capacity of power transmission added
2. Additional electricity transmitted annually
3. Daily load shedding in Chittagong

Project Output Indicators:

1. 400 kV transmission lines constructed
2. 230 kV transmission lines constructed
3. 230 kV GIS substations constructed
4. 230 kV line bays constructed at Madunaghat substation

Baseline Year: Dec. 31, 2018 End Target Year: Dec. 31, 2022

Project Objective Indicators	Year	Target	Actual	Others, if any
Capacity of power transmission added (Unit: MVA)	Dec. 31, 2018	-	0 (Baseline)	
Capacity of power transmission added (Unit: MVA)	Dec. 31, 2019	0	-	
Capacity of power transmission added (Unit: MVA)	Dec. 31, 2020	0	-	
Capacity of power transmission added (Unit: MVA)	Dec. 31, 2021	0	-	
Capacity of power transmission added (Unit: MVA)	Dec. 31, 2022	1400	-	
Additional electricity transmitted annually (Unit: GWh)	Dec. 31, 2018	-	0 (Baseline)	
Additional electricity transmitted annually (Unit: GWh)	Dec. 31, 2019	0	-	
Additional electricity transmitted annually (Unit: GWh)	Dec. 31, 2020	0	-	
Additional electricity transmitted annually (Unit: GWh)	Dec. 31, 2021	0	-	
Additional electricity transmitted annually (Unit: GWh)	Dec. 31, 2022	2500	-	
Daily load shedding in Chattogram (Unit: %)	Dec. 31, 2018	-	11.5 (Baseline)	
Daily load shedding in Chattogram (Unit: %)	Dec. 31, 2019	0	-	

Daily load shedding in Chattogram (Unit: %)	Dec. 31, 2020	0	-	
Daily load shedding in Chattogram (Unit: %)	Dec. 31, 2021	0	-	
Daily load shedding in Chattogram (Unit: %)	Dec. 31, 2022	6.0	-	
400kV transmission lines constructed (Unit: km)	Dec. 31, 2018	-	0 (Baseline)	
400kV transmission lines constructed (Unit: km)	Dec. 31, 2019	0	-	
400kV transmission lines constructed (Unit: km)	Dec. 31, 2020	0	-	
400kV transmission lines constructed (Unit: km)	Dec. 31, 2021	15	-	
400kV transmission lines constructed (Unit: km)	Dec. 31, 2022	27	-	
230kV transmission lines constructed (Unit: km)	Dec. 31, 2018	-	0 (Baseline)	
230kV transmission lines constructed (Unit: km)	Dec. 31, 2019	0	-	
230kV transmission lines constructed (Unit: km)	Dec. 31, 2020	0	-	
230kV transmission lines constructed (Unit: km)	Dec. 31, 2021	12	-	
230kV transmission lines constructed (Unit: km)	Dec. 31, 2022	19	-	
230kV GIS substations constructed (Unit: No.)	Dec. 31, 2018	-	0 (Baseline)	
230kV GIS substations constructed (Unit: No.)	Dec. 31, 2019	0	-	
230kV GIS substations constructed (Unit: No.)	Dec. 31, 2020	0	-	
230kV GIS substations constructed (Unit: No.)	Dec. 31, 2021	1	-	
230kV GIS substations constructed (Unit: No.)	Dec. 31, 2022	2	-	
230kV line bays constructed at Madunaghat substation (Unit: No.)	Dec. 31, 2018	-	0 (Baseline)	
230kV line bays constructed at Madunaghat substation (Unit: No.)	Dec. 31, 2019	0	-	
230kV line bays constructed at Madunaghat substation (Unit: No.)	Dec. 31, 2020	0	-	
230kV line bays constructed at Madunaghat substation (Unit: No.)	Dec. 31, 2021	1	-	
230kV line bays constructed at Madunaghat substation (Unit: No.)	Dec. 31, 2022	2	-	
Intermediate Result Indicators	Year	Target	Actual	Others, if any
-	Oct. 16, 2020	-	-	-

Remarks: N