



Project Data Sheet

Project 49423-005

Project Name

Bangladesh Power System Enhancement and Efficiency Improvement Project

Project Number

49423-005

Country / Economy

- Bangladesh

Project Status

Active

Project Type / Modality of Assistance

- Grant
- Loan

Source of Funding / Amount

Grant 9190-BAN: Translating Improvement in Electricity Supply to Better Livelihood in Rural Bangladesh

**Source**

**Amount**

Japan Fund for Prosperous and Resilient Asia and the Pacific US\$ 2.00 million

Loan 3522-BAN: Bangladesh Power System Enhancement and Efficiency Improvement Project

**Source**

**Amount**

Ordinary capital resources US\$ 600.00 million

Loan 3523-BAN: Bangladesh Power System Enhancement and Efficiency Improvement Project

**Source**

**Amount**

Concessional ordinary capital resources lending US\$ 16.00 million

Strategic Agendas

- Environmentally sustainable growth
- Inclusive economic growth

Drivers of Change

- Gender Equity and Mainstreaming
- Governance and capacity development
- Partnerships

Sector / Subsector

- **Energy** / Electricity transmission and distribution - Energy efficiency and conservation - Energy sector development and institutional reform - Renewable energy generation - solar - Renewable energy generation - wind

#### Gender

Effective gender mainstreaming

#### Description

The proposed project will enhance the coverage and improve the reliability and efficiency of the transmission and distribution network, to facilitate better utilization of the expanding power generation capacity to meet the growth in electricity demand across the country

#### Project Rationale and Linkage to Country/Regional Strategy

In 1971, when Bangladesh gained independence, only 3% of its population had access to electricity. By 2015, this had risen to about 72% with per capita electricity consumption reaching 371 kilowatt-hours per annum. The gross domestic product of Bangladesh has been growing at a rate of over 6% consistently during 2005-2015. Meeting the need for reliable and affordable electricity is a challenge for Bangladesh as it seeks to sustain economic growth and consolidate its transition to middle-income country status by 2021. To support inclusive growth and development as well as the creation of more and better jobs, the government has set a target of electricity for all by 2021, and is working across the electricity generation, transmission, and distribution value chain to enhance improved delivery of electricity and meet the expected demand of 19 gigawatts (GW) by 2021.

#### Impact

100% access to power by 2021 and power sector sustainability improved in Bangladesh by 2030

## **Project Outcome**

#### Description of Outcome

Access to efficient and reliable electricity supply in Bangladesh improved

#### Progress Toward Outcome

Completed.

## **Implementation Progress**

#### Description of Project Outputs

National transmission network in southern Bangladesh strengthened

Distribution network in DESCO service areas improved

Distribution network in rural areas of Bangladesh including the capacity of end-users improved

Capacity in power sector agencies enhanced

## Status of Implementation Progress (Outputs, Activities, and Issues)

Output 1- There were four contracts under output 1. Construction of Aminbazar 400 kV substation was completed in 2021. This substation plays a vital role in receiving the power from the southern part of Bangladesh and distributing it to other part. Aminbazar Mowa Mongla 400 kV 179.5 km transmission line has been constructed. The line is capable to serve 2000 MW power from the southern part of Bangladesh

Output-2. Under output 2, SCADA system has been implemented for 69 substation of DESCO area.

Output 3. Output 3 is for BREB where around 9,50,000 consumers got new connection. 38,000 km 33 and 11 kV distribution lines and associated facilities have been rehabilitated. 12,000 km 33 and 11 kV distribution lines and associated facilities constructed.

Output 4. 2 studies completed for 4 solar and wind project development. GIS based mapping system implemented for NESCO.

### Geographical Location

Nation-wide

## Safeguard Categories

### Environment

B

### Involuntary Resettlement

B

### Indigenous Peoples

C

## Summary of Environmental and Social Aspects

### Environmental Aspects

Potential environmental impacts are mostly temporary, predictable, and reversible; and can be mitigated through adherence to national and international standards, design criteria, and implementation of the environmental management plans (EMPs). The transmission towers across the Padma River will be constructed on platforms (associated facilities) provided by the Bangladesh Bridge Authority under an ongoing project and due diligence on the approved environmental impact assessment report found it to be in compliance with ADB's Safeguard Policy Statement (2009).

### Involuntary Resettlement

A covenant is included to facilitate verification of the mitigation measures for the platforms. Due diligence has confirmed that the land required for receiving bays at the Aminbazar site is in the possession of PGCB, and no resettlement impacts are expected.

### Indigenous Peoples

Based on social assessments, no indigenous peoples are expected to be affected by the project.

## **Stakeholder Communication, Participation, and Consultation**

### During Project Design

A series of consultations with key stakeholder groups and communities have been conducted during project preparation, and communities' inputs have been incorporated into the project design.

### During Project Implementation

Consultation with stakeholders and communities will be continued throughout implementation of the project.

## **Business Opportunities**

### Consulting Services

DESCO has initiated tendering in 2016. Other EAs will initiate the tendering in 2017

### Procurement

BREB has initiated tendering in 2016. Other EAs will initiate the tendering in 2017

## **Contact**

### Responsible ADB Officer

Nahar, Nazmun

### Responsible ADB Department

South Asia Department

### Responsible ADB Division

Bangladesh Resident Mission (BRM)

### Executing Agencies

*Bangladesh Rural Electrification Board*

*Dhaka Electric Supply Company Ltd. (DESCO)*

*Power Div-Min of Power, Energy & Mineral Resources*

*Power Grid Company of Bangladesh, Ltd. (PGCB)*

## **Timetable**

### Concept Clearance

10 Jun 2016

### Fact Finding

21 Jul 2016 to 28 Jul 2016

### MRM

29 Sep 2016

### Approval

29 Mar 2017

### Last Review Mission

-

### Last PDS Update

30 Nov 2023

## Funding

### Grant 9190-BAN

#### Milestones

Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
29 Mar 2017	29 May 2017	22 Jun 2017	31 Dec 2020	31 Dec 2021	06 Feb 2022

#### Financing Plan

##### Total (Amount in US\$ million)

Project Cost	2.00
ADB	0.00
Counterpart	0.00
Cofinancing	2.00

#### Grant Utilization

	Date	ADB	Others	Net Percentage
Cumulative Contract Awards	06 Jun 2024	0.00	1.76	100%
Cumulative Disbursements	06 Jun 2024	0.00	1.76	100%

#### Status of Covenants

Category	Sector	Safeguards	Social	Financial	Economic	Others
Rating	Satisfactory	Satisfactory	Satisfactory	Satisfactory	-	Satisfactory

### Loan 3522-BAN

#### Milestones

Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
29 Mar 2017	29 May 2017	22 Jun 2017	31 Dec 2020	30 Jun 2023	06 Mar 2024

#### Financing Plan

##### Total (Amount in US\$ million)

Project Cost	1,040.70
ADB	600.00
Counterpart	440.70
Cofinancing	0.00

#### Loan Utilization

	Date	ADB	Others	Net Percentage
Cumulative Contract Awards	06 Jun 2024	537.37	0.00	100%
Cumulative Disbursements	06 Jun 2024	537.37	0.00	100%

#### Status of Covenants

Category	Sector	Safeguards	Social	Financial	Economic	Others
----------	--------	------------	--------	-----------	----------	--------

**Rating** Satisfactory Satisfactory Satisfactory Satisfactory - Satisfactory

## Loan 3523-BAN

### Milestones

<b>Approval</b>	<b>Signing Date</b>	<b>Effectivity Date</b>	<b>Closing</b>		
			<b>Original</b>	<b>Revised</b>	<b>Actual</b>
29 Mar 2017	29 May 2017	22 Jun 2017	31 Dec 2020	31 Mar 2024	-

### Financing Plan

<b>Total (Amount in US\$ million)</b>	
Project Cost	16.00
ADB	16.00
Counterpart	0.00
Cofinancing	0.00

### Loan Utilization

	<b>Date</b>	<b>ADB</b>	<b>Others</b>	<b>Net Percentage</b>
Cumulative Contract Awards	06 Jun 2024	15.67	0.00	100%
Cumulative Disbursements	06 Jun 2024	14.61	0.00	93%

### Status of Covenants

<b>Category</b>	<b>Sector</b>	<b>Safeguards</b>	<b>Social</b>	<b>Financial</b>	<b>Economic</b>	<b>Others</b>
<b>Rating</b>	Satisfactory	Satisfactory	Satisfactory	Satisfactory	-	Satisfactory

© 2024 Asian Development Bank

This page was generated from /projects/49423-005/main on 06 June 2024

**Source URL:** <https://www.adb.org/projects/49423-005/main>