



Project Summary Information

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Project Name	Southern Chattogram and Kaliakoir Transmission Infrastructure Development Project
Project Number	P000308
AIIB member	Bangladesh
Sector/Subsector	Energy/ Electricity Transmission and Distribution
Alignment with AIIB's thematic priorities	Green Infrastructure
Status of Financing	Under Preparation
Objective	To improve the reliability and capacity of the power transmission network in the Southern Chattogram and Kaliakoir region of Bangladesh.
Project Description	<p>The project comprises the construction of around 185 kilometers (km) 132/230 kV transmission lines, four gas-insulated substations, and two bay extensions in the Southern Chattogram region (i.e., Anwara, Cox's Bazar, Teknaf) of Chattogram division and Kaliakoir region (Bangabandhu Hi-Tech City (BHTC)) in Gazipur district of Dhaka division. The Government of Bangladesh (GoB) has undertaken this project to develop grid interfacing infrastructure to ensure efficient and uninterrupted power transmission in the project areas. Project activities include:</p> <ul style="list-style-type: none"> i. Construction of four substations with a total capacity of about 1,580 megavolt-amperes (MVA) at BHTC, Anwara, Cox's Bazar (North), Teknaf. And two bay extensions at the existing Kaliakoir Substation; and ii. Construction of around 185 km transmission line (in four segments): BHTC to Kaliakoir; Anwara to Cox's Bazar (North); Cox's Bazar (North) to Teknaf; and Line-In-Line-Out (LILO) at Cox's Bazar (North) substation from an existing line.
Expected Results	The project is expected to generate the following results: enhanced capacity of the transmission grid network, reduced annual outages in Chattogram and Dhaka (North) Grid Circle, increased number of consumers with new or improved electricity supply, and reduced annual Greenhouse Gas (GHG) emissions after project completion.
Environmental and Social Category	A
Environmental and Social (ES) Information	AIIB's Environmental and Social Framework (ESF) 2019 and Environmental and Social Policy (ESP), including its Environmental and Social Standards (ESSs) and Environmental and Social Exclusion List (ESEL), apply to this project. ESS1 (Environmental and Social Assessment and Management) and ESS2 (Land Acquisition and Involuntary Resettlement) apply to this project, while ESS3 (Indigenous Peoples) is not applicable. The Environmental and Social Impact Assessment (ESIA) and the Resettlement Plan (RP) have been prepared. In addition, a Labor Management Procedures (LMP), a Stakeholders Engagement Plan (SEP), and a Gender-based Violence (GBV) prevention plan are prepared as part of ESIA.

The ESIA has identified the potential environmental risks and impacts of the project's construction phase, including soil erosion; dust emissions caused by the operation of machinery and running vehicles on earthen tracks along the access routes; gaseous emissions from construction vehicles, machinery, and generators; release of waste effluents and solid wastes from construction areas and camps causing soil and water contamination; loss of natural vegetation and trees in the right of way; and occupational health and safety hazards for the construction staff and other project site personnel. The Environmental and Social Management Plan (ESMP) delineates mitigation measures for these identified environmental and social (E&S) risks and impacts. The ESMP includes the reporting mechanisms for the responsible agencies and the monitoring plans during the implementation phase.

Based on the findings of the screening and subsequent assessment, climate adaptation measures have been designed for the project. During the ESIA, all possible measures were undertaken by PGCB to avoid any impacts on the biodiversity along the right of way. Accordingly, the project route from Anwara substation to Cox's Bazar (North) substation was realigned from the Concept stage to avoid part of the proposed overhead transmission line passing through Chunati wildlife sanctuary. The route from Cox's Bazar (North) substation to Teknaf substation will follow around the existing highway road from Cox's Bazar and Teknaf, where multiple signage for elephant crossings exist on the road. It is anticipated that at least two International Union for Conservation of Nature (IUCN)-identified known elephant corridors may also pass between the transmission line alignment from Cox's Bazar (North) substation to Teknaf substation. Although this is not a project-specific matter, as part of ESMP, the contractor will develop a biodiversity management plan (BMP) during the implementation phase before starting the relevant part of transmission line construction.

The project requires approximately 73 acres of land – about 40 acres for four substations and about 33 acres for transmission tower footings. For the substation lands, 35 acres will be acquired from owners of private agricultural land, resulting in the permanent economic displacement of 233 households, and BHTC will provide the remaining 5 acres. For the transmission tower footing, compensation is required to be paid to 33 acres of landowners affected by the tower footprint. For this purpose, an RP has been prepared based on surveys, social assessments, and consultations with project-affected households. The entitlement matrix in the RP summarizes the main types of losses and the corresponding entitlements following the legal framework of GoB (Acquisition and Requisition of Immovable Property Act of 2017) and AIIB's ESS2. An RP implementing consultant will be engaged by PGCB during the implementation period.

A multi-tier Grievance Redress Mechanism (GRM) will be constituted for the project before the start of construction activities in line with the prescriptions of the Project-affected People's Mechanism (PPM) Policy of the Bank, building on the existing complaint mechanisms of PGCB. In addition to the above GRM for addressing complaints from the local community, a commensurate mechanism will be made available at the contractor level for workers' grievances. The

	<p>information of established GRMs and the Bank's Project-affected People's Mechanism (PPM) both in English and Bengali will be timely disclosed in an appropriate manner.</p> <p>The final ESIA and RP, along with executive summaries, in English are disclosed on the project implementing entity's and AIIB's website. Prior to the consideration of the financing, executive summaries of the ESIA and RP in Bengali language will also be disclosed by PGCB in an appropriate manner as well as on the bank website. PGCB will prepare semi-annual E&S monitoring reports per the agreed format and submit the reports to AIIB at regular intervals. Also, AIIB will supervise the project's E&S aspects with support from local E&S consultants and conduct onsite supervision missions regularly.</p>		
Cost and Financing Plan	<p>Estimated project total: USD 258.70 million.</p> <p>Indicative financing plan: USD 160.00 million (AIIB), USD 60.32 million (GoB), and USD 38.38 million (PGCB).</p>		
Borrower	People's Republic of Bangladesh		
Implementing Entity	Power Grid Company of Bangladesh (PGCB)		
Estimated date of loan closing	April 2029		
Contact Points:	AIIB	Borrower	Implementing Entity
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Date of Concept Decision	May 26, 2021		
Date of Appraisal Decision	July 26, 2023		
Estimated Date of Financing Approval	Q3-2023		
Independent Accountability Mechanism	<p>The Project-affected People's Mechanism (PPM) has been established by the AIIB to provide an opportunity for an independent and impartial review of submissions from Project-affected people who believe they have been or are likely to be adversely affected by AIIB's failure to implement its Environmental and Social Policy in situations when their concerns cannot be addressed satisfactorily through Project-level GRM or AIIB Management's processes. For information on how to make submissions to the PPM, please visit https://www.aiib.org/en/about-aiib/who-we-are/project-affected-peoples-mechanism/how-we-assist-you/index.html.</p>		