

 Early Warning System

AIIB-000281

Bangladesh: Unique 584MW Combined Cycle Power Plant



Quick Facts

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| Countries | Bangladesh |
| Specific Location | Pirojpur, Sonargaon in Narayanganj district |
| Financial Institutions | Asian Infrastructure Investment Bank (AIIB) |
| Status | Proposed |
| Bank Risk Rating | A |
| Borrower | Unique Meghnaghat Power Limited, Anupam Hayat, Chief Financial Officer |
| Sectors | Energy |
| Loan Amount (USD) | \$ 75.00 million |



Project Description

According to AIIB documents, the proposed project involves the development and operation of a 584 MW combined-cycle gas turbine (CCGT) plant, on a build-own-operate basis. The Project is located at Pirojpur, Sonargaon in the Narayanganj district of Bangladesh. This is being developed jointly by Unique Hotel and Resorts Limited, Nebras Power Investment Management B.V., Strategic Finance Limited, and GE Capital Global Energy Investments B.V., through a special purpose vehicle - Unique Meghnaghat Power Limited (UMPL). U MPL entered into a 22-year Power Purchase Agreement with Bangladesh Power Development Board.

ENVIRONMENTAL AND SOCIAL INFORMATION

The AIIB's Environmental and Social Policy (ESF/ESP 2019), including Environmental and Social Standard 1 (ESS1) on Environmental and Social Assessment and Management, ESS2 on Involuntary Resettlement and the Environmental and Social Exclusion List are applicable to this Project.

In accordance with AIIB's ESP, an Environmental and Social Impact Assessment (ESIA) including an Environmental and Social Management Plan (ESMP) and a Livelihood Restoration Plan (LRP) have been prepared. Though the Project is under construction, a comprehensive environmental and social (ES) due diligence and a Land Audit have also been conducted. A separate Environment and Social Action Plan (ESAP) has been prepared based on the ES due diligence and in accordance with the ESP. The ESAP includes time-bound actions that the client will be required to carry out during the implementation of this Project.

Environmental and Climate Change Aspects: During the construction phase, the project will result in some negative impacts, including air pollution, noise, soil erosion, impacts of landfilling, discharge of wastewater and the disposal of construction wastes. The water abstraction from the Meghna river will not affect other water users and the impact of effluent on water quality and temperature will be minor. Other major environmental impacts during operation phase include emissions of air pollutants, noise, ecological impact, and solid wastes. The results of emission dispersion modeling showed the impact of this Project on ambient airshed quality is minor. Noise modeling showed the noise level can meet the standards during daytime and has negligible impacts on sensitive receptors during night-time. The critical habitat assessment conducted as part of the ESIA revealed that no critical habitat was triggered in accordance with the Performance Standard 6 of International Finance Corporation (IFC). The mitigation measures have been developed for all negative impacts and be included into the ESMP. The recommendations have also been incorporated into the design of the Project. A risk assessment was also carried out and an Emergency Management Plan was developed as part of the ESIA.

A Cumulative Impact Assessment (CIA) has been conducted to analyze cumulative impacts on ambient airshed quality, noise and water use due to this Project, existing emission sources, those under construction and proposed development activities in the vicinity of the project. The cumulative impacts are not significant and can be negligible, thus, no further mitigation measures are proposed.

The total green-house gas (GHG) emission from various emission sources, during the operation phase is estimated to be about 1,727,452 ton of CO₂eq per year. This equals to 0.37ton CO₂eq per MWh of power generation (the average grid emission factor in Bangladesh is 0.67 tons CO₂/MWh). The Project has adopted climate resilience designs and those adapted to natural hazards, like flooding prevention and water harvest.

Social Aspects. Land has been purchased from 343 landowners in two tranches and related payments made in full. The widening of an access road, considered an associated facility to the Project, has adversely impacted 63 people, nine of which are informal users. Some landowners who have sold their land and those adversely impacted by the road widening require additional measures to support restoration of their livelihoods, as required by ESS2 and detailed in the LRP. These measures include a combination of financial payments, professional and skills trainings, potential employment for project activities and



Investment Description

- Asian Infrastructure Investment Bank (AIIB)



Contact Information

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BORROWER

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ACCESS TO INFORMATION

You can submit an information request for project information at: <https://www.aiib.org/en/contact/information-request/index.html>

ACCOUNTABILITY MECHANISM OF AIIB

The AIIB has established the Accountability Mechanism for Project-Affected People (PPM). The PPM provides 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 the ESP in situations when their concerns cannot be addressed satisfactorily through Project level GRMs or AIIB Management processes. Two or more project-affected people can file a complaint. Under the current AIIB policy, when the bank co-finances a project with another development bank, it may apply the other bank's standards. You can refer to the Project Summary Information document to find out which standards apply. You can learn more about the PPM and how to file a complaint at: <https://www.aiib.org/en/about-aiib/who-we-are/project-affected-peoples-mechanism/how-we-assist-you/index.html>

The complaint submission form can be accessed in Arabic, Bahasa Indonesia, Bengali, Chinese, English, Tagalog, Hindi, Nepali, Russian, Turkish, or Urdu. The submission form can be found at: <https://www.aiib.org/en/about-aiib/who-we-are/project-affected-peoples-mechanism/submission/index.html>



Bank Documents

- [Environment and Social Impact Assessment](#) [Original Source]
- [ESIA Annexure](#) [Original Source]
- [ESIA Summary Bengali](#) [Original Source]
- [Livelihood Restoration Plan \(Bengali\)](#) [Original Source]
- [Livelihood Restoration Plan \(English\)](#) [Original Source]
- [Project Summary \(March 25, 2022\)](#) [Original Source]