

 Early Warning System

ADB-59317-001

Cluster Towns Water Supply and Sanitation Project



Quick Facts

Countries	Bangladesh
Financial Institutions	Asian Development Bank (ADB)
Status	Proposed
Bank Risk Rating	B
Borrower	Government of Bangladesh - Department of Public Health Engineering
Sectors	Infrastructure, Water and Sanitation
Investment Type(s)	Loan
Investment Amount (USD)	\$ 150.00 million
Project Cost (USD)	\$ 150.25 million



Project Description

According to the Bank's website, the proposed project aims to improve water, sanitation, and solid waste management services in the project towns, thereby improving public health, livability, and climate resilience. Specifically, the project will: (i) reduce NRW by rebuilding and optimizing distribution networks using a district metered area (DMA) approach; (ii) enhance availability of water; (iii) improve drinking water quality to comply with government standards; (iv) strengthen water service provider entities such that they achieve long-term cost-effective lifecycle-based service provision to set service standards; (v) strengthen municipal capacity for revenue enhancement; (vi) increase resource recovery from fecal and solid waste streams through processing facilities; (vii) increase municipal capacity in incorporating climate resilience in masterplans, programs, projects, and operations; and (viii) promote gender equality by reducing women's unpaid water collection time, expanding access to safe sanitation, and enabling women's participation in water governance. The provision of reliable water supply will stimulate commercial activity in the project towns, stimulating private sector investment and job creation.

Water supply development. The project will rehabilitate and expand existing distribution networks to increase household connections and introduce volumetric metering to each household, along with a DMA approach. Overhead tanks and water treatment plants will be refurbished or upgraded as needed, while groundwater production tube wells will be refurbished or renewed and integrated into the overall system. In addition, where sustainable, additional utility-level water will be supplied through increased extraction from existing local surface sources, shifting groundwater extraction from private wells to public ones, development of possible rainwater harvesting systems, construction of surface water storage facilities, artificial aquifer recharge, savings from NRW reduction, and other innovative water sourcing methods. A supervisory control and data acquisition system will be installed to enhance automation, monitoring, and operational efficiency. To improve access and affordability in low-income communities and slum areas, the project will prioritize new connections to these areas. As new assets are constructed, the project will populate a digital asset management system to support strategic operations, investment planning, and improved O&M practices. Water quality will be improved by developing, implementing, and monitoring a robust water quality management system (e.g., adequate frequency of sampling, sufficient laboratories and equipment, testing, dissemination of test results, corrective actions on substandard results, etc.).

Sanitation and solid waste management improvement. The project will take a citywide inclusive sanitation (CWIS) approach to improving sanitation in the project towns to achieve a more comprehensive, effective, and sustainable services, as well as higher resource recovery. This will include rehabilitating and constructing public sanitation facilities with gender-segregated design and features for menstrual hygiene management (MHM), ensuring safety, accessibility, and dignity for women and girls. Where feasible, women's groups will manage these facilities, that will be run on a fee basis. Segregated waste bins and specialized fecal and solid waste collection trucks will be provided. Fecal and organic solid waste treatment and disposal facilities to service Chandpur and Haziganj (a shared facility), as well as one to service Gopalpur, will be constructed, after land acquisition for the facilities is completed by the Government of Bangladesh. The collection, treatment, and disposal of fecal and solid waste will significantly reduce the unorganized disposal of such wastes as currently occurs, leading to a significant improvement in public health and amenity in the project towns, while enhancing resource recovery. This shall include digitalizing records of septic tank locations, introducing a digital system for ordering fecal sludge collections and tracking payments for collection, introducing payment options at local kiosks, and setting collection fees according to service cost.

Project execution arrangements. The Department of Public Health Engineering (DPHE) will be the executing agency, while Cumilla City Corporation and the seven participating pourashavas will act as implementing agencies. A project management unit will be established within DPHE and project implementing units will be formed.

PROJECT RATIONALE AND LINKAGE TO COUNTRY/REGIONAL STRATEGY

Managing Bangladesh's urban transition. Bangladesh's urban population was 31.1 million in 2001, 35.1 million in 2011, and



Early Warning System Project Analysis

Environment: B

Involuntary Resettlement: B

Indigenous Peoples: C



Investment Description

- Asian Development Bank (ADB)

The financing amount is \$150,000,000, which will be financed on a loan basis by ADB's ordinary capital resources.



Contact Information

No contacts available at the time of disclosure.

ACCESS TO INFORMATION

You can submit an information request for project information at: <https://www.adb.org/forms/request-information-form>

ADB has a two-stage appeals process for requesters who believe that ADB has denied their request for information in violation of its Access to Information Policy. You can learn more about filing an appeal at: <https://www.adb.org/site/disclosure/appeals>

ACCOUNTABILITY MECHANISM OF ADB

The Accountability Mechanism is an independent complaint mechanism and fact-finding body for people who believe they are likely to be, or have been, adversely affected by an Asian Development Bank-financed project. If you submit a complaint to the Accountability Mechanism, they may investigate to assess whether the Asian Development Bank is following its own policies and procedures for preventing harm to people or the environment. You can learn more about the Accountability Mechanism and how to file a complaint at: <http://www.adb.org/site/accountability-mechanism/main>.



Other Related Projects

- ADB-59317-002 Support for Cluster Towns Water Supply and Sanitation Project-(Attached)