The Integrated Energy and Power Master Plan Project in Bangladesh

Project period: June 2021 to January 2024 XIntegrated Energy and Power Master Plan is scheduled to be formulated by December 2022



Primary energy demand in Bangladesh is expanding in line with robust economic growth and facing a turning point in its energy supply structure. It has become necessary to revise the energy plans in response to the current situation such as changes in demand assumptions and the growing global trend toward lowcarbon and decarbonization.

Overall Goal

A low/zero carbon energy demand/supply system will be established based on the premise of ensuring energy security and economic viability.

Project Purpose

To establish a low/zero carbon energy demand/supply system, with energy security and economic viability, by introduction of policy and technologies for low carbon/carbon neutral society, towards sustainable development of Bangladesh.

♦Project Flow

Establishment of energy data management system

Confirm of current status of energy data management, collection and analysis of the latest energy data

Review of national plans and existing master plans for each sector

Review of existing plan(NDC, each sector's master plans, etc) and gas sector MP including supply capacity, development plan, energy efficiency, etc.

Energy demand forecast

forecast on the future energy demand based on existing and collected data

Environmental & social considerations

Identify environmental and social issues Compare environmental and social impacts

Legal framework for LNG import

Analysis of current laws and regulations, and identify of issues (Business trade, quality control, environment, safety, etc.)

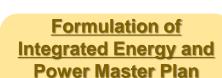
Recommendation for establishment of an energy data management system

- Recommendation and assistance on GHGs inventory report
- Recommendation for the revision of NDC

Plan for primary energy and power supply (Target years: 2030, 2041, 2050)

Consider domestic production capacity and cross border power/energy trade based on assumed electricity/energy demand

Recommendations for the drafting of relevant laws and regulations, with reference to examples from other countries



Support for building

energy data

management system

and capacity building

- Power System MP
- Energy Efficiency & **Conservation MP**
- Gas Sector MP
- Strengthen ability and authority of gas regulatory management organization
- Prepare draft report for **Strategic Environmental** Assessment

Formulate action plans for realizing a low-carbon /carbon neutral society

Expected Plans

- Infrastructure development
- Introducing renewable energy
- Energy efficiency improvement
- Introduction of New Energy
- Energy data management
- LNG legal framework development, etc.