

Mymensingh Power Station Phase III, Mymensingh, Bangladesh



Rural Power Company Ltd.(RPC) is the Owner of the 4 x 35MW Gas Turbine Power Plant at Mymensingh, Bangladesh, one of the first BOO projects in the country. The plant was built in two phases of two Gas Turbine Generators each. Within Phase III of the project the Owner intended to convert the existing Gas Turbine Power Plant into a Combined Cycle Power Plant thus increasing the electrical output from 140 MW to 210 MW without additional fuel consumption.

RPC awarded Siemens Power Generation an LSTK Contract for the implementation of the Mymensingh Power Station Phase III. A configuration with four HRSG's and one steam turbine with air cooled condenser was selected. The project implementation considered the meteorological conditions in Bangladesh, allowing transportation of heavy equipment preferably on barges only during the monsoon season. Commercial operation was planned to be reached in 2005, however due to financing difficulties the completion was reached only in 2007.

Client:

- Rural Power Company Limited, Bangladesh

Main Data:

Existing

- Gas Turbine (Supplier/Type) GE / Frame 6 B
- Output Phase I&II 4 x 35 MW net
- Fuel Natural Gas

Extension (Phase III)

- HRSG's steam flow 4 x 60 t/h HP / 11 t/h LP
- Steam Cycle 1 x 70 MW, net

Execution:

- 2003 – 2005

Services:

- LSTK supply of facilities
- Project Management
- Training
- Construction Management and Site Supervision
- Commissioning
- Guarantee period