

Fuel Type: Bunker C

Status: Decommissioned

Unit Installed Capacity Commissioning Date

Unit 1 75 MW 1972

Unit 2 150 MW 1977

Technical Specifications:

Turbine:

Unit 1 & 2 Tandem compound Mitsubishi Heavy Industries

Generator:

Unit 1 Hydrogen cooled, 93.75 MVA Mitsubishi Electric Corporation

Unit 2 Hydrogen cooled, 187.5 MVA Fuji Electric Company

Construction of the unit 1 was installed in 1968 and was commissioned for commencement operation on March 1972 while unit 2 was on February 1977, included BTPP played an important role for the electric power generation especially during dry season until it was decided to decommission the power Plant January 1 ,2000

The Unit 1 has a nominal capacity of 75 Megawatts and it has been in service for twenty-seven years. Mitsubishi Heavy Industries Inc (MHI) furnished both Steam generator and steam Turbine generator.

The steam generator is a conventional sub critical natural circulation corner fired unit with a pressurized furnace regenerative air heating and steel stack. The steam turbine is tandem feed water heating. The Generator is a 75 MW 0.80 power factor, Hydrogen cooled generator.

Steam Inlet pressure: 150 psi

Steam lbs/Hr: 30,000 lbs/Hr

The Unit 2 has a nominal capacity of 150 megawatts and it has been in service in 21 years. The steam turbine generator was furnished by Fuji Electric Co. The steam turbine generator was furnished by Fuji Electric Co. The steam generator is conventional sub critical natural circulation corner fired unit with a pressurized furnace, regenerative air heating and steel stack, The steam turbine is a tandem compound double exhaust condensing reheat turbine with six extractions for feed water. The generator is 150 MW 0.80 power Factor Hydrogen cooled generator.

The source of once through condenser cooling water for each unit is sea water. The predominant fuel for both units is High Viscosity Fuel oil (HFVO) before shifted to bunker C Oil due to the relatively high sulfur content of HFVO. The High viscosity fuel and bunker C oil is supplied to both units via a single steam traced pipeline direct.