WEST JAVA THERMAL POWER STATION PROJECT

Country	Republic of Indonesia
Location	West Java
Client	P. T. PLN (PERSERO)
Financial Sources	International Bank for Reconstruction & Development (IBRD)
Period of Services	Pre-investment study: August, 1992 to May, 1994
Description of the Study	The purpose of the Study is to select a suitable site for a large steam power station in West Java of about 4,200 MW ultimate capacity at the selected site, to determine the availability of natural gas and coal as fuel for the plant, and to compare its economic and technical merits against other alternate sites in West Java (identified in the course of the previous feasibility studies), taking into account the costs of fuel transportation and EHV transmission lines.
Scope of Services	Pre-investment study
Main Features of the Project	Installed Capacity: 4,200 MW (ultimate)

Boiler

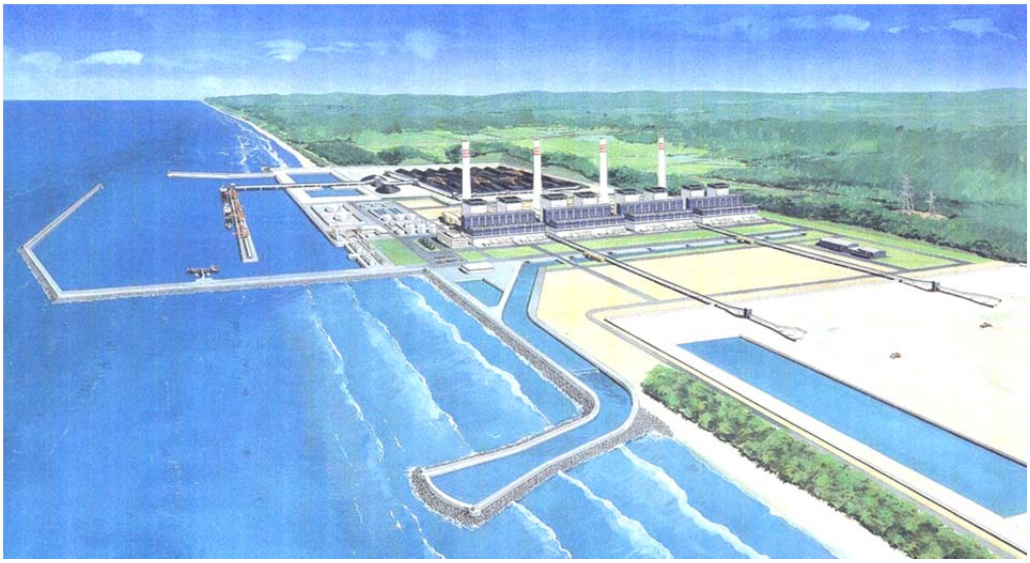
Steam Pressure and Temperature	176 kg/ cm^2 543°C
Type	Single reheat, pulverized coal fired, balanced draft, with low NOx combustion system

Turbine

Generator Output	600 MW
Type	Tandem compound, regenerative condensing
Generator Type	Synchronous rotating field, water cooled stator and hydrogen cooled, brushless on static exciter

Transformer

Rated Capacity	706 MVA



Artist's Conception of West Java Thermal Power Station, Indonesia