

PROJECT :-**3 x 700 MW COAL FIRED POWER PLANT AT TANJUNG BIN,
JOHOR DARUL TA'ZIM, MALAYSIA****LOCATION :-**

Tanjung Bin, Johor, Malaysia

CLIENT :-

Zelan Construction Sdn Bhd

PROJECT COST :-

RM350 Million

EXPECTED COMPLETION DATE :-

2006

Job Description :-

The proposed power plant will have a nominal capacity of 2100 MW, comprising of 3 steam turbine units of 700 MW each. A coal unloading jetty, will be constructed as part of the project to support the conveyor system adopted to transfer the imported coal from the vessel to the coal storage yard. A once through cooling water system will be employed, with the Cooling Water Intake located at the river mouth of Sg. Pulai and the heated water discharged to the Strait of Johor to the Southwest of the site. Fly Ash Silo and Chimney structures to be constructed will form part of Ash Handling System for the power plant.

The Detailed Work Include :-

- Design of civil/structural works and associated architectural works, including coal storage yard, coal Transfer Tower Foundations, Coal Crusher House and Electrical House, Coal Conveyor Foundations, Stack Reclaimer Foundation, Coal Control Building, Internal Earthing Building System and Ancillary Pipe Sleepers and equipment foundation within the coal yard.
- Design of temporary jetty, coal unloading jetty, trestle with roadway, Custom and Immigration Building, Electrical Building and associated infra-structural works such as road, drainage, sewers, signages and safety barriers.
- Audit Design for Chimney and Silo.
- Audit Design for Cooling Water Intake and Pump Pit, Cooling Water Settling Basin and Cooling Water Discharge System.
- Mechanical and Electrical Building Services.

SERVICES PROVIDED :-

- Geotechnical Investigation and Design
- Detailed Design
- Audit of Specialist Sub-Contractor Design
- Construction Supervision

**Plant during construction 2005**