



Fact sheet –Tarong Power Station

23 September 2008

Tarong Power Station, 180 kilometres north-west of Brisbane, is one of Queensland's largest power stations. With a total generating capacity of 1400 megawatts, Tarong plays a key role in enabling the organisation to supply reliable electricity to its customers.

Tarong Power Station is located on a 1500 hectare site near Nanango. The first of Tarong's four generating units became operational in May 1984 and the station was completed in 1986. In all, the project employed more than 2000 people and cost more than \$1.2 billion to complete. Tarong continues to perform at world class availability levels.

GENERAL

Site: Tarong Power Station

Location: 180 kilometres north-west of Brisbane

Ownership: Tarong Energy Corporation Limited

Size: 1400 Megawatt Generating capacity (4 Units)

Development cost: \$1.2 billion

Employment: Construction - 2000; Current - 378

Commissioning Dates: First unit 1984, second unit 1985, third and fourth units 1986

Coal supplies by: Conveyor from Meandu Mine, 1.5 kilometres away, at up to 1800 tonnes an hour

Cooling towers: Two hyperbolic, natural draught, cross-flow cooling towers, 118 metres high

Cooling Water Supply: Delivered through a 96 kilometre pipeline from Boondooma Dam. Alternative water supply through a 78 kilometre pipeline from Wivenhoe Dam

TURBO GENERATORS:

Capacity & type: Hitachi 350 megawatt

Generator cooling: Stator by water, rotor by hydrogen

Cooling water evaporation: 600 litres per second

BOILERS

Type: Babcock Hitachi

Steam output: 285 kilograms per second

Steam pressure: 17650 kilopascals

Furnace gas temperature: 1470°C



Tarong Power Station



Inside Tarong Power Station's Turbine Hall



Coal from the adjacent Meandu Mine fuels Tarong's four units