“Chinese Power Plants in Malaysia – Present & Future Development”

by

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Locality: Kuching - Nanning
Friendship Park (Taman Sahabat)

- Statute of Admiral Zheng He
- Malaysia-China Friendship Globe
- Orang Utan-Panda Bench
Chinese Technology in Sarawak, Malaysia
Brick Making
Pottery

Shaping of pottery by hand

Drying shaped pottery

Design carving

Design painting

Glazing
Pottery

Vases and pots sold at the factories
Sarawak Energy Resources

- Oil
- Natural Gas
- Coal
- Hydropower
Bintulu LNG – largest in the world
Coal Reserve in Sarawak

- **Mukah-Balingian**
  - Coal Reserve: 550 million tons
- **Merit-Pila**
  - Coal Reserve: 445 million tons
Vast Hydropower Potential in Sarawak

No. of sites : 52
Total Power  : 20,000 MW
Total energy output : 87,000 GWh / year
Sarawak Power System
Existing Power System

- **210MW Coal (under construction)**
- **114MW Diesel**
- **270MW Coal**
- **402MW Gas**
- **110MW combined-cycle (under construction)**
- **99MW Gas**
- **108MW Hydro**

**Existing Power Plants:**
- **Similajau**
- **Kemantan**
- **Tg. Kidurong**
- **Tudan**
- **Engkilili**
- **Btg. Ai**
- **Matadeng**
- **Mukah**
- **Sarikei**
- **Tg. Manis**
- **Kemena**
- **Matang**
- **Mambong**

**Existing Power System Lines:**
- Existing 132kV lines
- Existing 275kV lines
- Existing 132kV substations
- Existing 275kV substations
- Existing power plants
Generation Mix
402MW Bintulu Gas Turbine Power Station

Gas - 60% of Generation Mix
210MW Sejingkat Coal-Fired Power Station, Kuching

Coal - 25% of Generation Mix
108MW Batang Ai Hydropower Station

Hydro - 9% of Generation Mix
114MW Biawak Oil-Fired Power Station

Oil – 6% of Generation Mix
Chinese Power Plants
- Present Development
210MW Sejingkat Coal-Fired Power Station, Kuching

Phase I: 1998
Phase II: 2004
Bakun Dam (scheduled for completion in 2010)
2400MW Bakun Hydroelectric Project
270MW Mukah Coal-Fired Power Project

Scheduled for completion in Oct 2008
270MW Mukah Coal-Fired Power Project
270MW Mukah Coal-Fired Power Project
132kV Transmission Line to Mukah Project

(nearing completion)
132 kV Transmission Line to Mukah Project
110MW Bintulu Combined-Cycle Project

(Scheduled for completion in Oct 2009)
Chinese Power Plants
– Future Development
Coal-Fired Power Projects
Coal-Fired Power Projects

Mukah
2X300MW Coal Fired Power Plant

Merit
4X300MW Coal Fired Power Plant

China-ASEAN Power Coorporation Development Forum
28 – 29 October 2007, Nanning, China
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Hydropower Projects
900MW Murum Hydropower Project

Construction scheduled to start next year
Muruum Dam Site – Looking Downstream
MOU Signing on Murum
Limbang Dam Site (150MW)

Feasibility Study already commenced
Baram Dam Site (1000MW)

Pre-feasibility study already commenced
Batang Ai Hydropower Station Extension

Detailed study already commenced
Metjawah Dam Site (300MW)
Tutoh Dam Site (220MW)
Combined-Cycle Project
110MW Miri Combined-Cycle Project

Plant Location
Far into the future...
Thank You!