

EGAT's 500 kV EHV System

1. Project name : Transmission System for Ao Phai Thermal # 1
2. Project description

The project includes the construction of a 230 kV transmission line section between Ao Phai 1 and Ao Phai 2 Substations. In addition, 230 kV Ao Phai 1 Substation will be expanded and a new switchyard will also be constructed at Ao Phai 2.

3. Project cost (Million Baht)

	<u>FC</u>	<u>LC</u>	<u>Total</u>
a) 230 kV Ao Phai 1 - Ao Phai 2 (2x1272 MCM ACSR, DC/ST, 6 km)	12.5	6.5	19.0
b) 230 kV Ao Phai 1 Substation expansion	16.0	4.9	20.9
c) 500/230 kV Ao Phai 2 Switchyard	290.3	72.1	362.4
d) Communication system addition	2.7	0.5	3.2
e) Engineering and contingencies	32.5	40.0	72.5
f) Escalation	102.0	45.0	147.0
g) Import duties, taxes and IDC	0.0	148.0	148.0
Total	<u>456.0</u>	<u>317.0</u>	<u>773.0</u>

4. Tentative schedule

- a) Government approval :
- b) Bidding : November 1996
- c) Construction : August 1997
- d) Commissioning : July 1999