

EGAT's 500 kV EHV System

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

The project includes a) construction of the transmission line section to link the 500 kV Ao Phai 2 and Nong Chok substions b) 500 kV switchyard expansion at Ao Phai 2 Substation, and c) 500 kV Nong Chok Substation expansion.

3. Project cost (Million Baht)

	<u>FC</u>	<u>LC</u>	<u>Total</u>
a) 500 kV Ao Phai 2 - Nong Chok (4x795 MCM ACSR, DC/ST, 97 km)	326.0	203.5	529.5
b) 500 kV Ao Phai 2 Switchyard expansion	85.6	19.7	105.3
c) 500 kV Nong Chok Substation expansion	52.2	11.7	63.9
d) Communication system addition	3.2	0.6	3.8
e) Engineering and contingencies	47.0	78.0	125.0
f) Escalation	171.5	122.5	294.0
g) Import duties, taxes and IDC	0.0	263.5	263.5
Total	<u>685.5</u>	<u>699.5</u>	<u>1385.0</u>

4. Tentative schedule

- a) Government approval :
b) Bidding : November 1997
c) Construction : August 1998
d) Commissioning : July 2000