

EGAT's Thermal Power Plant Project

1. Project name : Nam Phong Combined Cycle Block # 1&2
2. Type of generation : Combined operation of gas turbines and steam turbines
3. Description and scope of project
 - a) Location : Nam Phong District, Khon Kaen Province, close to ESSO gas field.
 - b) Rated capacity : 2x105 MW
 - c) Annual energy generation : 2x1,100 GWh
 - d) Fuel : Natural gas
 - e) Fuel consumption : 2x29.2 million cubicfeet per day
4. Project cost (Million Baht) of each block of 105 MW

	<u>FC</u>	<u>LC</u>	<u>Total</u>
a) Power plant equipment			
-Gas turbine	864.00	86.40	950.40
-Boiler	378.00	54.00	432.00
-Turbine & generator	432.00	64.80	496.80
-Electrical	351.00	67.50	418.50
-Miscellaneous	395.55	73.71	469.26
b) Site preparation & civil work	-	121.50	121.50
c) Contingency	125.01	43.20	168.21
d) Engineering & administration	81.00	40.50	121.50
e) Import duty & taxes	-	364.50	364.50
	<u>2,626.56</u>	<u>916.11</u>	<u>3,542.67</u>
Total			

5. Tentative schedule

- a) Feasibility study and approval : Mid 1987
- b) Engineering : April 1988
- c) Preliminary, manufacturing, construction and installation works : October 1988
- d) Commissioning : November 1989 - November 1990