

EGAT's Hydroelectric Power Plant Project

1. Project name : Pak Mun # 1-4
2. Type of generation : Run-off-river
3. Description and scope of project

a) Location

This project will be situated in Ubolratchathani Province. The dam will be constructed across the Mun River at Khong Jiam District which is about 6 km. away from the mouth of Mun River.

b) Dam and reservoir

The dam is a 17 m. high and 255 m. long rockfill type. The crest elevation is 111 m. The reservoir has the surface area of 60 square km. at the normal water level of 108 m. MSL.

c) Power plant

The power plant will be on the right bank of the Mun River. It will accommodate four horizontal bulb type generating units rated 34 MW each totalling 136 MW. The average annual energy generation is 317 GWh.

4. Project cost (Million Baht)

	---FC---	---LC---	---Total---
a) Preliminary works	0.00	17.11	17.11
b) Compensation, resettlement and environmental impact mitigation plan	0.00	53.15	53.15
c) Civil works	396.89	324.73	721.62
d) Hydraulic equipment	216.83	68.19	285.02
e) Electro-mechanical equipment			
-Turbine	394.69	92.84	487.53
-Generator	342.06	80.64	422.52
-Others	272.04	63.99	336.03
f) EGAT administration	0.00	81.61	81.61
g) Engineering consulting service	87.83	48.95	136.78
h) Import duties, taxes and IDC	0.00	839.43	839.43
Total	1,710.34	1,670.46	3,380.80

5. Tentative schedule

- a) Government approval : September 1988
- b) Bidding : January 1989
- c) Construction : April 1989
- c) Commissioning : November 1993