

EGAT's Thermal Power Plant Project

1. Project name : Bang Pakong Combined Cycle #
2. Type of generation : Combined operation of gas turbines and steam turbines
3. Description and scope of project
 - a) Location : Bang Pakong District, Cha Choeng Sao Province
 - b) Rated capacity : 300 MW
 - c) Annual energy generation : 1,576.8 GWh
 - d) Fuel : natural gas
 - e) Fuel consumption : 40.0 million cubicfeet per day

4. Project cost (Million Baht)

| | ---FC--- | ---LC--- | ---Total--- |
|---------------------------------|----------|----------|-------------|
| -Gas turbine | 166.33 | 90.45 | 1056.78 |
| -Boiler & accessory | 490.59 | 65.88 | 556.47 |
| -Turbine generator & accessory | 505.98 | 81.27 | 587.25 |
| -Electrical system | 288.36 | 51.03 | 339.39 |
| -Water treatment plant | 42.14 | 11.07 | 53.19 |
| -Gas receiving & distribution | 35.91 | 5.67 | 41.58 |
| -Distillate storage & distri. | 29.70 | 5.67 | 35.37 |
| -Workshop & stores machinery | 66.15 | 11.07 | 77.22 |
| -River pump house plant | 4.59 | 0.81 | 5.40 |
| -Cooling towers & pumping plant | 83.97 | 11.07 | 95.04 |
| -Plant miscellaneous equipment | 210.06 | 62.37 | 272.43 |
| -Land & land right | - | 7.56 | 7.56 |
| -Civil works | 148.23 | 354.51 | 502.74 |
| -Local transport | - | 28.62 | 28.62 |
| Total | 2,871.22 | 787.05 | 3,659.04 |

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 : October 1991