

May 7, 2007

Electric Power Development Co., Ltd.

## **Operational launch of the Block 1 of the Kaeng Khoi #2 Power Station in Thailand**

～ Thailand's largest gas power station running as an IPP ～

On May 5, power utilities in Thailand launched commercial operation of the Block 1 (734,000kW) of the Kaeng Khoi #2 Power Station (gas-fired combined cycle, 1,468,000kW). The unit was constructed by Gulf Power Generation Co., Ltd., a Thai owned in part by J-Power ( Electric Power Development Co., Ltd.; President, Yoshihiko Nakagaki) (investment share: 49%).

The construction work for the Block 2 (734,000kW) is proceeding smoothly toward its operational launch scheduled for March of next year.

Construction of the Kaeng Khoi #2 Power Station started in December 2004 in the Kaeng Khoi area of Saraburi Province in Thailand (about 110 km north of Bangkok). It is now the largest gas-fired power station running as an IPP in Thailand. Generated power is sold to the Electricity Generating Authority of Thailand (EGAT) under the Power Purchase Agreement (PPA) concluded between EGAT and Gulf Power Generation Co., Ltd., a wholly owned subsidiary of Gulf Electric Co., Ltd. (J-Power's investment share: 49%).

J-Power has invested in 17 IPP projects in 7 countries and regions, including this project. With the startup of the Block 1 at Kaeng Khoi, there will be 16 projects in operation, producing a total output of 5,759,000kW (ownership share on a kilowatt basis: 2,525,000kW).

### <Attachments>

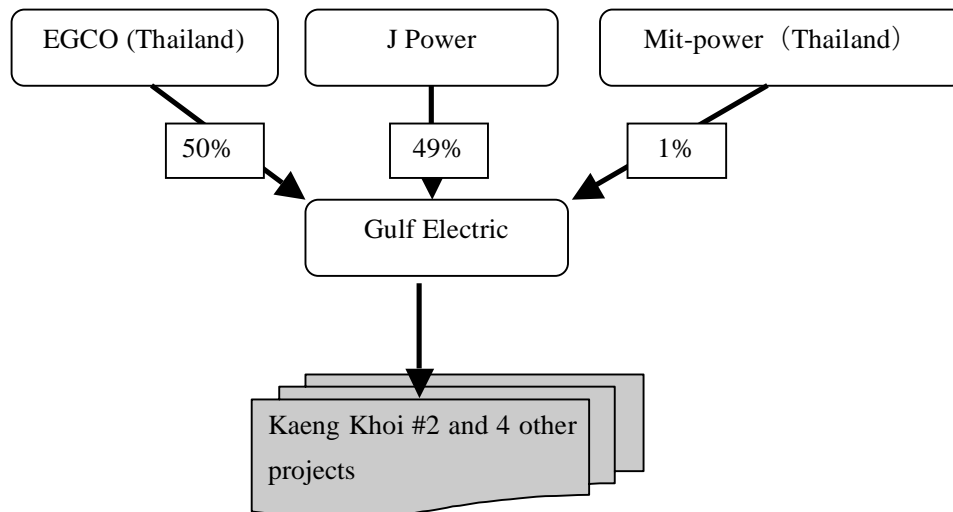
1. Outline of the Kaeng Khoi #2 Power Station
2. Location of the Kaeng Khoi #2 Power Station
3. List of J-Power's overseas IPP projects



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1. Outline of the Kaeng Khoi #2 Power Station

Location	Kaeng Khoi, Saraburi Province, Thailand (110 km north of Bangkok)
Type of power generation	Gas-fired combined cycle
Output capacity	1,468,000kW (734,000 kW x2)
Fuel	Natural gas
Scheme	BOO method (Build, Own and Operate method)
Operating company	Gulf Power Generation Company Limited (GPG) *Wholly owned subsidiary of Gulf Electric (J-Power: 49%)
Power purchaser and Validity of Purchase Agreement	Electricity Generating Authority of Thailand (EGAT) Valid for 25 years
Operation and maintenance	Gulf Power Generation Company Limited (GPG)
Total project costs	About 36.1 billion Baht (108.1 billion yen)
Process	December 2004: Construction work starts May 2007: Block 1 starts operation March 2008: Block 2 starts operation (planned)



2. Location of the Kaeng Khoi #2 Power Station



**J-POWER Overseas IPP Project List**

(Projects in Operation)

Country/ Region	Project Name	Power Source	Output (MW)	Share of J-POWER (%)
USA	Tenaska Frontier	Gas (Combined cycle)	830	62
	Elwood Energy	Gas (Simple cycle)	1,350	49.9
Philippines	Layte	Geothermal	49	10
	CBK	Water	728	50
China	Tianshi	Coal waste	50	24
Thailand	Roi-Et	Biomass (Chaff)	9	25
	Rayong	Gas (Combined cycle)	106	20
	Thaioil Power	Gas (Combined cycle)	114	19
	Independent Power	Gas (Combined cycle)	700	11
	Gulf Cogeneration (Kaeng Khoi)	Gas (Combined cycle)	108	49
	Samutprakarn	Gas (Combined cycle)	115	49
	Nong Khae	Gas (Combined cycle)	112	49
	Yala	Biomass (Rubber wood waste)	20	48
	Kaeng Khoi 2 (No. 1 Plant)	Gas (Combined cycle)	734	49
Taiwan	Chiahui	Gas (Combined cycle)	670	40
Spain	Spain Wind Power	Wind Power	64	50
<b>Total</b>	6 Countries/Region	16 projects	5,759	2,525MW