

September 7<sup>th</sup>, 2022

Electric Power Development Co., Ltd. (J-POWER)

## Indonesia: Batang Power Plant started commercial operation



(Photo: PT Bhimasena Power Indonesia)

Electric Power Development Co., Ltd. (headquartered in Chuo-ku, Tokyo; Toshifumi Watanabe, President, "J-POWER ") is pleased to announce that PT Bhimasena Power Indonesia (a joint venture company sponsored by J-POWER: 34%, ITOCHU Corporation (headquartered in Minato-ku, Tokyo; Keita Ishii, President & Chief Operating Officer, " ITOCHU" ): 32%, PT Adaro Power (headquartered in Jakarta, Indonesia; Dharma Djojonegoro, President Director, "Adaro"): 34%) successfully commissioned and started commercial operation of Central Java Coal Fired Power Plant (Batang Regency, Central Java Province, Indonesia; 2 units x 1,000 MW, "Batang Power Plant(Batang PP)") on August 31<sup>st</sup> 2022.

Batang PP, a large-scale power plant designed to meet the rapidly growing electricity demand in Indonesia, is the first public private partnership (PPP) project guaranteed by the Ministry of Finance of Indonesia (MoF) and the MoF-controlled Indonesian Infrastructure Guarantee Fund (IIGF). Batang PP utilizes Indonesian sub-bituminous coal in two large boilers that use ultra-supercritical (USC) technology and is expected to contribute to the stable supply of electricity and to reduce the environmental impact in Indonesia.

J-POWER Group, based on our medium-term management plan announced in April 2021, will further grow overseas power generation business, helping to develop a sustainable society in Japan and around the globe.

The project name of "Central Java Coal Fired Power Plant" has been used to date and it is to be renamed as "Batang Power Plant" for communication to reflect the name of the local regency where the project is located and widely recognized in the local community.

## 1. Details: **Batang Power Plant**

Location	Batang, Central Java, the Republic of Indonesia
Power generation	Coal-fired ultra-supercritical (USC) pressure
Capacity	2,000 MW (2 units x 1,000 MW)
Fuel	Indonesian sub-bituminous coal
Project company	PT Bhimasena Power Indonesia (BPI)
Buyer	PT PLN (Persero) (Indonesian state-owned electric power company)
Start of construction	June 2016
Commercial operation	Unit 1: August 15 <sup>th</sup> 2022, Unit 2: August 31 <sup>st</sup> 2022
Equity participation	J-POWER: 34% PT Adaro Power: 34% ITOCHU Corporation: 32%

## 2. Location map



## 3. J-POWER's Overseas IPP Projects

Separately attached

List of J-POWER's Overseas IPP Projects  
(Currently operational projects)

Country/ Region	Project Name	Power Generation Method	Capacity (MW)	J-POWER Investment Ratio (%)	Owned Capacity (MW)
United States (11 Projects)			6,402		3,099
	Frontier	Gas (Combined Cycle)	830	31.0	257
	Elwood Energy	Gas (Simple Cycle)	1,350	50.0	675
	Green Country	Gas (Combined Cycle)	795	50.0	398
3 Eastern Gas Thermal Plants	Pinelawn	Gas (Combined Cycle)	80	50.0	40
	Equus	Gas (Simple Cycle)	48	50.0	24
	Fluvanna	Gas (Combined Cycle)	885	15.0	133
2 Long Island Thermal Plants	Edgewood	Gas (Simple Cycle)	88	50.0	44
	Shoreham	Jet Fuel (Simple Cycle)	90	50.0	45
	Orange Grove	Gas (Simple Cycle)	96	50.0	48
	Westmoreland	Gas (Combined Cycle)	940	25.0	235
	Jackson	Gas (Combined Cycle)	1,200	100.0	1,200
Thailand (14 Projects)			5,600		3,130
	Roi-Et	Biomass (Chaff)	9	24.7	2
	EGCO Cogen	Gas (Combined Cycle)	112	20.0	22
	GYG	Biomass (Rubber Wood Waste)	20	49.0	10
	GPG	Gas (Combined Cycle)	1,468	49.0	719
	7 SPP	Gas (Combined Cycle)	790	57.7	456
	Nong Saeng	Gas (Combined Cycle)	1,600	60.0	960
	U-Thai	Gas (Combined Cycle)	1,600	60.0	960
	Rooftop Solar(1 project)	Solar	0.8	60.0	0.5
China (4 Projects)			11,838		1,128
	Hanjiang (Xihe / Shuhe)	Hydropower	450	27.0	122
	Gemeng	Coal, Wind, Solar, Hydro(Pumped-storage)	9,298	7.0	651
	Hezhou	Coal	2,090	17.0	355
Phillipines (3 projects <sup>*1</sup> )			728		364
	Caliraya	Hydro	23	50.0	11
	Botocan	Hydro	21	50.0	10
	Kalayaan	Hydro(Pumped-storage)	685	50.0	342
Australia (2 projects)			100		8
	Kidston Stage 1	Solar	50	7.7	4
	Jemalong Solar	Solar	50	7.7	4
United Kingdom (1 project)			857		214
	Triton Knoll	Wind(Offshore)	857	25.0	214
Indonesia (1 project)			2,000		680
	Batang	Coal	2,000	34.0	680
Total (7 countries)			27,525		8,622

(Projects under construction / development)

Country/ Region	Project Name	Power Generation Method	Capacity (MW)	JPOWER Investment Ratio (%)	Owned Capacity (MW)
United States					
	Refugio	Solar	400	25.0	100
	Birchwood	Solar	50	50.0	25
	Birchwood	Storage	190	50.0	95
	Sweetheart Lake	Hydro	19.8	TBD	TBD
Australia					
	Kidston Stage-3 Wind	Wind(Onshore)	150	53.9 <sup>**2</sup>	81
	K2-Hydro	Hydro(Pumped-storage)	250	7.7	19
	Bouldercombe	Storage	50	7.7	4
Thailand					
	Rooftop Solar(4 projects)	Solar	5.5	60.0	3.3
	EGCO Cogen (Replacement)	Gas (Combined Cycle)	74	20.0	15

<sup>\*1</sup> Because of the rounding, the total MW of the country does not match the sum of each project's MW.

<sup>\*\*2</sup> J-POWER owns 50% stake of the project, and with its 7.7% stake in Genex Power Limited, J-POWER's overall stake is 53.9%.