

September 7th, 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 Jawa Coal Fired Power Plant (Batang Regency, Central Java Province, Indonesia; 2 units x 1,000 MW, "Batang Power Plant(Batang PP)") on August 31st 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.

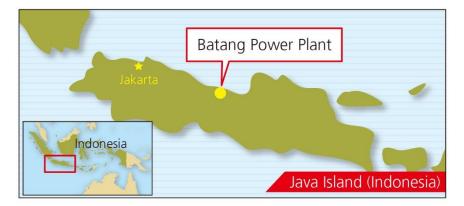
The project name of "Central Java Coal Fired Power Plant" has been used to date and it is to be renamed as "Batang Power Plant" for communication to reflect the name of the local regency where the project is located and widely recognized in the local community.



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 th 2022, Unit 2: August 31 st 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	(70)	3,099
ĺ	Front	ier	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
		Pinelawn	Gas (Combined Cycle)	80	50.0	40
	3 Eastern Gas Thermal Plants	Equus	Gas (Simple Cycle)	48	50.0	24
		Fluvanna	Gas (Combined Cycle)	885	15.0	133
	2 Long Island	Edgewood	Gas (Simple Cycle)	88	50.0	44
	Thermal Plants	Shoreham	Jet Fuel (Simple Cycle)	90	50.0	45
	Orange	Grove	Gas (Simple Cycle)	96	50.0	48
	Westmo	reland	Gas (Combined Cycle)	940	25.0	235
	Jacks	son	Gas (Combined Cycle)	1,200	100.0	1,200
Thailand (14 Pr	ojects)			5,600		3,130
1	Roi-	Et	Biomass (Chaff)	9	24.7	2
	EGCO C	Cogen	Gas (Combined Cycle)	112	20.0	22
	GYG		Biomass (Rubber Wood Waste)	20	49.0	1(
	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 Projec	ets)			11,838		1,128
1	, 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 pr	ojects ^{**1})			728		364
ſ	Caliraya		Hydro	23	50.0	11
	Botocan		Hydro	21	50.0	10
	Kalay	aan	Hydro(Pumped-storage)	685	50.0	342
Australia (2 proj	jects)			100		8
]	Kidston S	Stage 1	Solar	50	7.7	2
	Jemalon	-	Solar	50	7.7	2
United Kingdom (1 project)				857		214
1	Triton I	Knoll	Wind(Offshore)	857	25.0	214
Indonesia (1 pro	oject)			2,000		680
	Bata	ng	Coal	2,000	34.0	680
Total				27,525		8,622

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 ^{%2}	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

(Projects under construction / development)

※1 Because of the rounding, the total MW of the country does not match the sum of each project's MW.
※2 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%.