

Tanjung Jati B Units 1 and 2

Project Case History

PT Central Java Power (Sumitomo Corporation) Jepara, Jawa Tengah, Republic of Indonesia

Plant Owner

PT Central Java Power
(Sumitomo Corporation)

Plant Name

Tanjung Jati B

Location

Jepara, Jawa Tengah,
Republic of Indonesia

EPC Contractor

Sumitomo Corporation

B&W Consortium Scope

B&W subsidiaries, in consortium with units of Black & Veatch, supplied:

- Complete boiler island for two coal-fired units, from ship unloaders to the stack, including:
 - » coal handling with stacker/reclaimers and conveyors
 - » structural steel
 - » coal silos
 - » ash handling
 - » limestone and gypsum handling
 - » environmental equipment
- » electrical, including motor control centers, switchgear, and power/control wiring
- » instrumentation, including stack emissions monitoring system
- » auxiliary piping systems



Tanjung Jati B Units 1 and 2 in operation.

- Technical advisory services for erection
- Technical advisory services during startup and commissioning

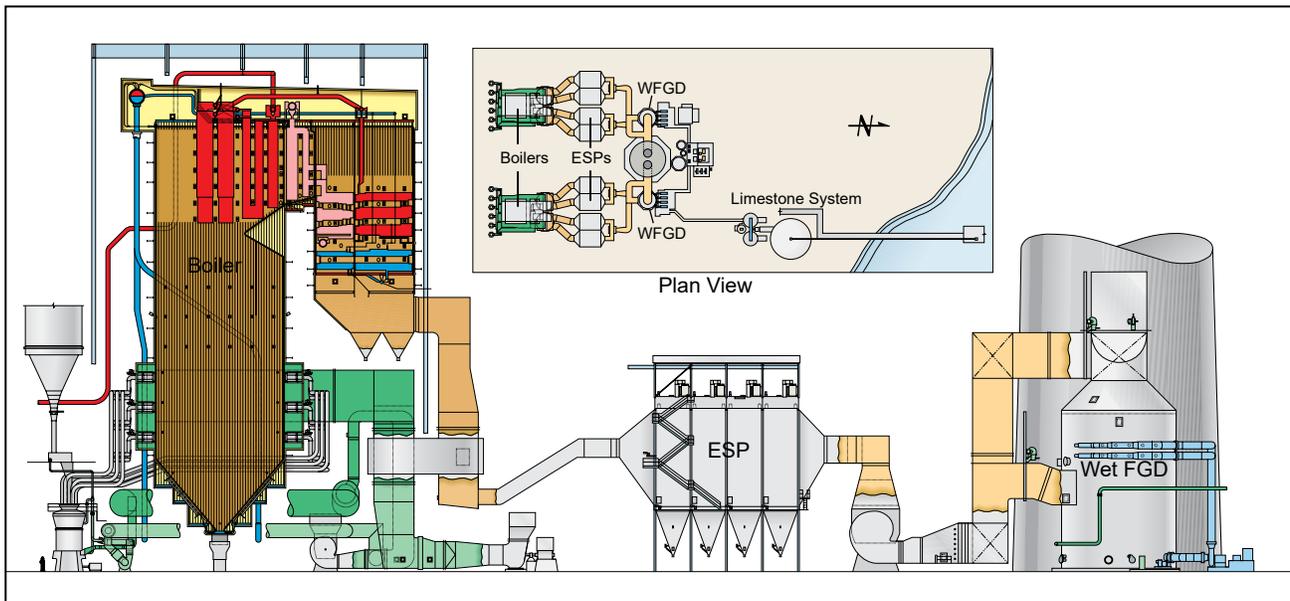
Boiler Specifications

- Boiler type:
Pulverized coal-fired radiant drum boiler (RB Carolina-Type)
- Design fuel: Indonesian low sulfur coal
- Capacity:
2 X 660 MW net
- Steam flow:
5,099,000 lb/h (642 kg/s)
- Superheater outlet pressure:
2527 psig (17.4 MPa)
- SH/RH outlet temperature:
1006/1001 F (541/538 C)



Environmental equipment at the Tanjung Jati power plant includes low NO_x burners, wet FGD system, and electrostatic precipitators.

(Continued on reverse side)



Sectional side and plan views of Tanjung Jati B Power Plant.

Environmental Equipment

- DRB-XCL® low NO_x burners
- Wet flue gas desulfurization (FGD) system, including absorbers, limestone unloading and handling, reagent preparation and dewatering system
- Electrostatic precipitators

Other Equipment Supplied by B&W

- B&W Roll Wheel® pulverizers with DSVS® rotating classifiers
- Sootblower boiler cleaning system by Diamond Power International, Inc. (DPII), a B&W subsidiary

- Bottom ash system supplied by Allen-Sherman-Hoff

Contract Order

1995

Commercial Operation

2006

Project Facts

- Power purchase agreement signed between PT Perusahaan Listrik Negara (Persero) and PT CEPA Indonesia – September 1994

- Project Commencement – April 1997
- Project was suspended for five years due to Asian currency crisis in 1998. Resumed in 2003 and was completed under Sumitomo's leadership.
- The limestone wet FGD system utilizes seawater for makeup.

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