

# 30MW Used Chinese Thermal Power Plant

In August 2005 thermal power plant completed and put into operation, This plant stopped in Dec, 2016. Not dismantled yet.

the construction scale 3 × 75t / h fluidized bed boiler, 2 × 15MW pumping condensate turbine generator sets, sub-high temperature sub-high pressure parameters, in May 2016 by the industrial policy requirements Outage, all outages in August. All the equipment is in Taiwan, and regular maintenance.

## 2. Three major host parameters

2.1 boiler model YG-75 / 5.29-M12 circulating fluidized bed coal-fired boilers, electric pot production,

Rated evaporation: 75t / h

Rated steam pressure: 5.29MPa

Rated steam temperature: 485 °C

Water supply temperature: 150 °C

Operating layer elevation: 7m

The coal before the furnace to use coal bolts, the use of light diesel fuel ignition.

2.2 Steam Turbine Model C15-4.90 / 0.981 Extraction Steam Condensing Steam Turbine, Qingdao Jieneng Production

Rated power: 15MW

Main steam front steam pressure: 4.9MPa

Main steam front steam temperature: 470 °C

Rated extraction pressure: 0.981MPa

Rated extraction steam temperature: 300 °C

Rated pumping volume: 50t / h

Maximum pumping volume: 80t / h

2.3 generator model: QF-15-2 turbine generator, Jinan generator factory production

Rated power: 15MW

Rated voltage: 6.3KV

Rated current: 1718A

Power factor: 0.8

Excitation system: Static thyristor excitation

2.4 The original design of the power plant electrostatic precipitator, the owners at the end of 2014 has been transformed into a bag filter; pneumatic ash conveying system; mechanical slag system.

2.5 circulating water system using double curve cold water tower; chemical water system used: multi-media filter + reverse osmosis device + mixed bed, the system production capacity of 50t / h, water supply system manufacturers: Zhejiang Europe and the United States.

2.6 electrical system using 6KV single bus sub-wiring, 6KV switchgear with KYN28-12-type in the out of the cabinet, 380V switchgear MNS-type drawer cabinet, control and protection using computer automation integrated protection system.

2.7 thermal control system: the use of DCS complete sets of control and protection system, the supply manufacturers: and Lee when the company.

2.8 coal handling system: the use of dual belt (650mm wide), two-way screening crusher system.

Photos on Request

Located: China.

Price: US\$ 0000 million EXW. Not including dismantle & transportation fee to sea port.

Speciliast available for dismantling, installation & commissioning for u.