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For Sale:	Pre-owned 165 MW coal fired power plant
Ref.-No:	PS-18.98

Brief plant description:

The power plant was commissioned in 1986, is presently in operation (approx. 2000 hours/year) and is going to be shut down in March 2016. By this time it will reach approx.124,000 operating hours. Originally, the plant was designed for using a lignite as a fuel and in 1994 it was converted for using hard coal. Due to a professional maintenance, continuous modifications and renewals the plant is in excellent condition. It is available for immediate sale and relocation.

The major renewals, extensions, modifications and refurbishments:

- Conversion to hard coal firing (renewal of all related components): 1994
- New generator control, excitation and protection system: 2006
- New generator synchronisation system: 2010
- New control system/DCS: 2005-2009
- Last overhauls of the steam turbine: 2004/2005
- Retrofit of turbine controller: 2011-2013

Description of major plant components:

Boiler (West European manufacturer)

Type one-way forced-circulation boiler, pulverized coal firing
 Steam parameters 453 t/h, 184 bar, 535 °C
 Fuel Hard coal, HFO (biomass as additional fuel)
 Coal mill 4 bowl mills and 2 beater wheel mills as stand-by

Steam turbine (West European manufacturer)

Type Double flow, single shaft, two cylinder, condensing
 Output 165 MWeI (max. 176 MWeI) + 17 MWth

Generator (West European manufacturer)

Type hydrogen cooled- poles, with static field excitation
 Parameters 200 MVA; 15,75 kV (50 Hz), 3000 rpm

Step-up transformer

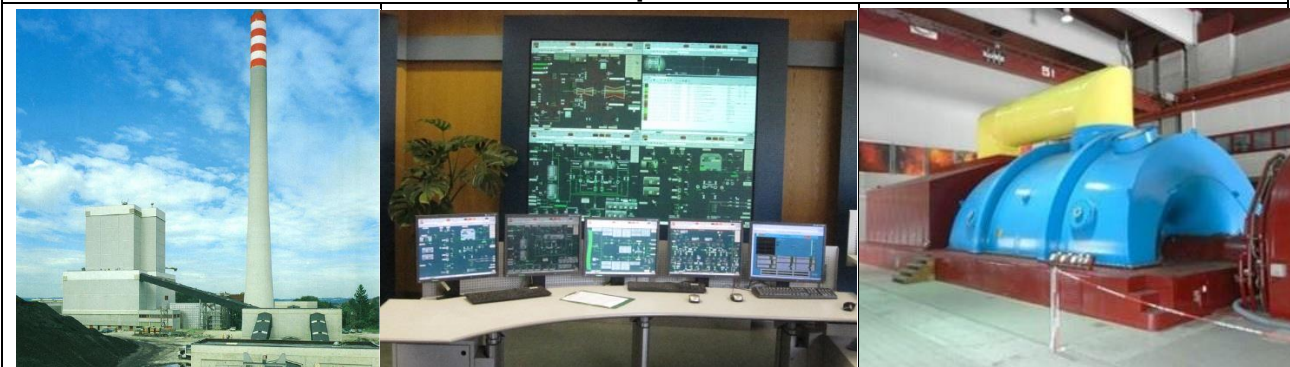
Parameters 200 MVA; 15,75/120 kV

Flue gas cleaning

Dedusting: electrostatic precipitator, dedusting level 99,8%
 Nitrogen oxide reducing: two stage nitrogen reducing: primary measures by urea injection and SNCR

Flue gas desulphurisation plant: wet FGD (limestone system), efficiency > 95%
 Final product: gypsum for building materials industry

Price: on request



Further information on request

Important Disclaimer

Although the statements and technical information contained herein are believed to be materially accurate as of the date hereof, no representation or warranty is given as to the accuracy of any of the information provided.

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