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For Sale:	Pre-owned 2 x 135 MW Coal Power Plant with CFB (Alstom) technology
Ref.-No:	PS-19.06

Complete pre-owned Coal Power Plant with CFB- Boiler and all auxiliaries, set in operation in 2005/11, with following main equipment:

Boiler

Incl. auxiliaries

Steam turbine

Incl. feedwater pump, condensate pump, vaccum pump, circulating water pump, HP-, LP Heater, misc. auxiliaries

Generator Plant

Incl. excitation, outlet terminal, transformer 220 KV, Circuit Breaker, 220 KV Current transformer, 220 KV capacitor voltage transformer, 220 KV isolation switch

Coal Boiler

CFB boiler with single drum, **Alstom CFB technology**, super high pressure, natural circulation, one time reheating, balanced draft, outside, suspension and support structure, on-and-under-grate firing

Manufacturer	Harbin
Type	HG 440/13.7-L.PM 15
Rating	443 t/h
Superheater outlet (g)	13.7 MPa, 540 °C
drum operation pressure	15.07 MPa
reheater	361.9 t/h
reheater outlet (g)	2.48 MPa, 540 °C
feed water temp.	250.8 °C
cool air temp	30 °C
hot air temp.	214 °C
flue gas exhaust	135 °C
boiler efficiency	91.5 %
calculated fuel consumption Kg/s	14.997

Coal analysis	design coal	check coal 1	check coal 2
Car(%)	63.79	56.37	59.4
Har(%)	3.02	3.16	2.98
Oar(%)	2.40	3.10	11.8
Nar(%)	0.93	0.8	0.71
Sar(%)	1.22	1.44	0.33
total MC(%)	8.5	7.78	12.3
ash contents (% AR)	20.14	27.26	13.1
moisture contents Mad(%)	0.61	1.00	
Volative Matter Vdaf(%)	16.43	15.0	37.8
LCV Qnet.ar(MJ/Kg)	24.48	21.578	22.4
ash deforming DT >	1500	1330	1130

Steam turbine

superhigh pressure, intermediate reheated, double exhaust, single shaft, reaction type condensing steam turbine, high and intermediate pressure steam, cyclinder is integrated

Manufacturer	Shanghai Electric
Model	C135-13.24/0.25/535/535
nominal power rate	135MW
max continous rate	142.051MW
max power rate	148.359MW
operation velocity	3000rpm
rated steam pressure	13.24MPa
rate steam temp.	535°C
rated extraction steam	0.2506MPa
max extraction volume	278t/h
rated cooling water	20°C
feedwater temperature	244.8°C
rated steam inlet	399.403t/h
heat consumption at rated cond.	8522.7KJ/(kw·h)

Condition

The plant is in very good condition, inspection is possible at any time.



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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