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For Sale:	New 2.5 MW Steam Turbine Generator Condensing type with extraction
Ref.-No:	STG-29.36

Brief plant description:

The turbine is extraction-condensing type in single casing, single exhaust design with single impulse stage and multistage reaction blading and controlled extraction designed for high operating efficiencies and maximum reliability. The steam turbine, manufactured in 2011 and with zero operation hours, has never been installed and remains in its OEM original packing.

Scope of supply

Turbine, emergency stop valve at turbine inlet, steam strainer integrated into stop valve, HP and LP control valves, rotor tuning gear, base frame for turbine and gear, anchor bolts and nuts, gland steam condenser, lube oil and control oil unit, gear box, generator, generator & turbine control and protection system, turbine control cubicle (over-speed and speed control, vibration measurement, inlet pressure control, turbine temperature), MCC-motor control cubicle, generator control cubicle (generator protection relays, synchronization relays, current/voltage transformers for exciter voltage and current, synchronization equipment).

Description major components:

Turbine Manufacturer	European manufacturer
Live steam parameters	35 bar a 380 °C 3.75 kg/s 13.5 t/h
Extraction parameters	6 bar a 1,111 kg/s
Exhaust steam parameters	0.1 bar a 2,632 kg/s
Gear Box	Flender Gear Box TX 40/5C
Gear rated	2704 kW
Rated input/output speed	8304 rpm / 1500 rpm
Speed ratio	5.54
Generator	AVK Cummins
Cooling	Water to air cooled
Exciter	brushless, automatic and manual voltage regulator
Generator parameters	2850 kVA, 6 kV, 50 Hz
Power factor	0.80
Rotation speed	1500 rpm

Price: on request



Further information on request

Important Disclaimer

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