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**THE FOLLOWING CONDENSING TYPE STEAM TURBINE GENERATOR SET
AVAILABLE FOR SALE WITH US WITH IMMEDIATE DELIVERY:**

**1 No. – 10.7 MW AEG-Kanis, Germany (1985) make, Condensing Steam Turbine
Generator Set having the following technical specifications:**



Year of Manufacture :1985
Year Retired :2014
Major Refurbishment :2002
Condition :Excellent
Status :Installed on Foundation

TURBINE DETAILS:

Manufacturer : AEG-Kanis, Germany

Rating:

Most Economical :10,273 kW
Maximum Contin. :10,681 kW

Inlet Flow:

Rated :50,400 kg/h
Maximum :53,000 kg/h

Specific Steam Cons.:

Normal Power :4.906 kg/kWh
Max. Cont. Power :4.962 kg/kWh

Inlet Pressure:

Minimum :17 bar abs.
Normal :17.9 bar abs.
Maximum Cont :19 bar abs.

Inlet Temperature:

Normal :350 C
Maximum Cont :360 C

Exhaust Pressure:

Normal :0.095 bar abs.
Maximum Cont :0.1 bar abs.

Exhaust Temp.:

Normal :44.8 C
Maximum Cont :45.8 C

Exhaust Flow:

Normal :50,400 kg/h
Maximum Cont. :53,000 kg/h
Minimum :30,000 kg/h

Rated Speed :7,100 RPM



GEARBOX DETAILS:

Manufacturer : **VOITH**
Rated Power : 11,215 kW
Input Speed : 7,100 RPM
Output Speed : 1,500 RPM
Ratio : 4.73:1



GENERATOR DETAILS:

Manufacturer : **Brush Electrical Machines**
Rated Power : 13,350 kVA
Power Factor : 0.8
Active Power : 10,680 kW
Rated Voltage : 11,000 V +/- 5%
Rated Current : 694.4 A
Phases : 3
Rated Speed : 1,500
Frequency : 50 Hz



CONDENSER DETAILS:

Manufacturer : **GEA**
Type : Surface Condenser

Steam Flow:

Normal : 50,400 kg/h
Maximum : 53,000 kg/h

Water Flow : 2,815 m³/h

Water Temp:

Supply : 25 C
Outlet : 34.5 C

