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

1 No. - 27 MW/ 30 MW Franco Tosi (1964) make, Extraction Condensing Type Steam Turbine Generator Set having the following technical specifications:



Year of Manufacture	:1964
Year Retired	:2006
Service Hours	:~ 165,000
Condition	:Very Good
Status	:Installed on foundation

TURBINE DETAILS:

Manufacturer : **Franco Tosi, Italy (under licence from Westinghouse)**

Type : Two cylinder, reaction steam turbine

Economical Rating : 27,015 kW

Max. Cont. Rating : 30,000 kW

Rated Speed : 3,000 RPM

Maximum Inlet Flow : 128,000 kg/h

Normal Inlet Pressure : 102.4 bar abs

Max. Cont. Inlet Pressure : 110 bar abs

Normal Inlet Temperature : 510 C

Max. Cont. Inlet Temp. : 530 C

Bleedings (at Econ Rating):

1st Flow	: 9,294 kg/h
Pressure	: 28.53 bar abs
2nd Flow	: 10,275 kg/h
Pressure	: 13.6 bar abs
3rd Flow	: 7,569 kg/h
Pressure	: 3.32 bar abs
4th Flow	: 4,252 kg/h
Pressure	: 1.61 bar abs
5th Flow	: 2,996 kg/h
Pressure	: 0.29 bara

Extraction Conditions:

Flow	: 0 - 115,000 kg/h
Pressure	: 3.43 bar abs

Exhaust Pressure : 0.042 bar abs

Performance:

Inlet Flow	: 106,000 kg/h
Extraction Flow	: 0 kg/h
Power	: 28,000 kW

Partial Extraction:

Inlet Flow	: 121,000 kg/h
Extraction Flow	: 40,000 kg/h
Power	: 27,015 kW

Full Extraction:

Inlet Flow	: 128,000 kg/h
Extraction Flow	: 115,000 kg/h
Power	: 22,000 kW



ALTERNATOR DETAILS:

Manufacturer	: Brown Boveri, Italy
Type	:2 pole, synchronous generator
Apparent Power	:36,000 kVA
Active Power	:30,000 kW
Rated Voltage	:10,000 V +/- 5%
Frequency	:50 Hz
Rated Speed	:3,000 RPM

