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

1 No. – 45 MW ABB (1993) make, Condensing type Steam Turbine Generator set, having the Following Technical Specifications:



Make	:	ABB Parsons
Year of Make	:	1993
Year of Last Operation	:	2016
No. of running hours	:	33,095 hours ONLY

TECHNICAL DETAILS:

STEAM TURBINE

Make	:	ABB
Year of manufacture	:	1993
Type	:	Axial Flow
Maximum Continuous Rating	:	45000 kW
Capacity (in kVA)	:	56250 kVA
Inlet Steam Pressure	:	63 bar
Temperature	:	482°C (900°F)
Vacuum	:	28.86" Hg
Speed	:	3000 RPM

ALTERNATOR

Make	:	Parsons (U.K.)
Year of manufacture	:	1993
Capacity (in kVA)	:	56250 kVA
Rated Stator Voltage	:	11000 Volts
Rated Stator Current	:	2952A
No. of Phases	:	3
Speed	:	3000 RPM
No. of Poles	:	2
Frequency	:	50 Hz
Power Factor	:	0.8
Insulation Class	:	F
Connection	:	Star

SCOPE OF SUPPLY

Steam Turbine Assembly.
Alternator Assembly.
Exciter Assembly.
Shaft Coupling (Steam Turbine to Alternator).
Barring Gear Assembly
Governing System.
Soleplates, Steam Turbine and Alternator.

Oil System, comprising of Oil tank, including support structure

Main oil pump
AC oil circulating Pump, Electric Motor Driven.
DC emergency oil circulating pump
Duplex Oil Filter Assembly.
2 Nos. Oil Cooler Assembly.
2 Nos. oil filters
Electric oil purifier (Alpha Laval)
Oil Mist Eliminator (vent).Oil Supply Lines to Steam Turbine, Gear and Generator.
Oil Return Lines from Steam Turbine, Gear & Generator to Oil tank.

Jacking oil pump, DC motor and associated pipework
Control oil package

Inlet Steam Line

Inlet Steam Isolating Valve.
Extraction Steam Isolating Valve.

Ejector Assembly

Sea water cooled steam Condenser.
CEPs with Motors.
All Interconnecting Pipelines.
Exhaust Bellow.
Condensing Flash Tank.

Bled steam system comprising of Deaerator

2 x deaerator feed pumps
LP heater
HP heater
Drain cooler
Gland steam condenser
Clean drains flash vessel
2 x air ejectors

Heat Exchanger, Generator Air

Turbine Monitoring & Control Panels.
Generator Monitoring & Control Panels.
Field Mounted Instruments.
Electrical Cables (if they are of any use)
Local Junction Boxes.
Drain Lines.
Foundation Bolts (where possible).
Special tools, as available including rotor lifting beam
All available Documentation.
Spares, as available.
AVR Panel.

PHOTOGRAPHS















