

NITIN CORPORATION

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

1 No. – 140 MW, Alstom (1994) make, condensing type Steam Turbine Generator set having the following technical specifications:

TECHNICAL DETAILS:

Year of Manufacture : 1994
Running Hours : ~120,000
Maintenance : OEM Contract
Condition : Very Good

TURBINE DETAILS:

Make : Alstom
Type : Two cylinder compound cycle
Year Of Make : 1994
Capacity : 140,000 kW
Speed : 3000 RPM
Inlet Flow : 390,000 kg/h
Inlet Steam Pressure : 73 barA
Inlet Steam Temperature : 508 Deg. C
Exhaust Steam Pressure : 0.043 barA

GENERATOR DETAILS:

Make : GEC Alstom
Mode : T230-375
Apparent Power : 164,588 kVA
Active Power : 139,900 kW
Power Factor : 0.85
Rated Speed : 3000 RPM
Voltage : 11,000 V +/- 5%
Current : 8,638 A
Phases : 3
Connection : Y
Frequency : 50 Hz
Standard : IEC 34

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Service : S1
 Protection : IP 54
 Insulation Class : F / F

STEAM TURBINE/GENERATOR – General Specifications	
STGID	
GENERAL	
Service Status	Base load
Spacing	40m between STGs and
TURBINE	
Designer	Alsthom
Type & N° of cylinders & reheat	Tandem compound, two cylinder, non-reheat.
Year Manufactured	1994
Model #	
Rating MW	140
Speed RPM	3000
GENERATOR	
Manufacturer/year	GEC Alsthom
Model #	T230-375
Serial #	
Rated voltage (kV)	11kV
Rated MVA	165
Rotor cooling	Air
Stator cooling	Air
LUBE OIL/SEAL OIL	
Type	Mineral oil
Piping	Single wall
Containment	Dyke/drain to separator
Reservoir location	Elevated
VIBRATION MONITORING	
Fixed/Portable	Fixed
Alarms/Interlocks	Alarms and trips
HP STEAM	
Flow (t/h)	390
Pressure (bar)	70.77
Temperature (°C)	504.1
LP STEAM	
Flow (t/h)	100
Pressure (bar)	6.1
Temperature (°C)	207.8

PHOTOGRAPHS:



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