

NITIN CORPORATION

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**THE FOLLOWING CONTROLLED BLEED - BACK PRESSURE TYPE STEAM
TURBINE GENERATOR IS AVAILABLE FOR SALE WITH US WITHIMMEDIATE
DELIVERY:**

**1 No. – 18.19 MW (27.5 MW MCR) Siemens (1987) make Controlled Bleed – cum -
Back Pressure Type Steam Turbine Generator set having the following technical
specifications:**



Year of Manufacture	: 1987
Condition	: Excellent
Status	: Installed on foundation

TURBINE DETAILS:

Make : Siemens

Rating:

Most Economical : 18,190 kW

Maximum Cont : 27,500 kW

Inlet Flow:

Most Economical : 138,000 kg/h

Maximum : 203,000 kg/h

Minimum : 56,000 kg/h

Inlet Pressure:

Rated : 72.6 bar abs.

Maximum Cont : 74 bar abs.

Inlet Temperature:

Rated : 450°C

Maximum Cont : 480°C

Bleed:

Flow : 0 – 40,000 kg/h

Pressure : 15.2 bara

Exhaust Pressure:

Rated : 4 bar abs.

Maximum : 5.2 bar abs.

Minimum : 2 bar abs.

Rated Speed : 6,300 RPM

Performance:

Case 1

Inlet Pressure : 74 bara

Inlet Temperature : 450°C

Inlet Flow : 138,000 kg/h

Bleed Flow : 0 kg/h

Exhaust Pressure : 5.2 bara

Power : 18,190 kW

Case 2

Inlet Pressure : 74 bara

Inlet Temperature : 450°C

Inlet Flow : 203,000 kg/h

Bleed Flow : 0 kg/h

Exhaust Pressure : 5.2 bara

Power : 27,500 kW

**NITIN CORPORATION
MUMBAI, INDIA.**



GEARBOX DETAILS:

Make : BHS (Germany)
Rating : 28,600 kW
Input Speed : 6,300 RPM
Output Speed : 1,500 RPM

GENERATOR DETAILS:

Make : Siemens (Germany)
Apparent Power : 35,000 kVA
Active Power : 28,000 kW
Power Factor : 0.8
Speed : 1,500 RPM
Voltage : 10,500 V +/- 5%
Current : 1,925 A
Phases : 3
Phase Connection : Star
Frequency : 50 Hz

