

NITIN CORPORATION

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

1 No. – 13 MW Back Pressure type Steam Turbine Generator Set with Single Controlled Extraction having the following Technical Specifications:



Year of Manufacture :1989
Year Retired :2014
Condition :Very Good
Status :Installed on Foundation

**NITIN CORPORATION
MUMBAI.**

STEAM TURBINE DETAILS:

Rated Power:

Normal :9,200 kW
Maximum Cont :13,000 kW

Inlet Flow:

Normal :80,000 kg/h
Maximum Cont :110,000 kg/h

Spec. Steam Cons.:

Normal Power :8.7 kg/kWh
Max. Cont. Power :8.46 kg/kWh

Inlet Pressure:

Normal :57 bar abs.
Maximum Cont :67 bar abs.

Inlet Temperature:

Normal :445 C
Maximum Cont :460 C

Extraction Conditions:

Flow :0 - 25,000 kg/h
Pressure :13.5 bar abs.

Exhaust Pressure:

Minimum :4.2 bar abs.
Normal :5.2 bar abs.
Maximum Cont :6.7 bar abs.

Exhaust Temp.:

Normal :186 C

Rated Speed :9,500 RPM

GEARBOX DETAILS:

Rated Power :14,935 kW

Input Speed :9,500 RPM

Output Speed :1,500 RPM



GENERATOR DETAILS:

Rated Power	:18,125 kVA
Power Factor	:0.8
Active Power	:14,500 kW
Rated Voltage	:6,300 V
Rated Current	:1,661 A
Phases	:3
Rated Speed	:1,500
Frequency	:50 Hz
Protection	:IP54
Insulation Class	:F / F

