

## **NITIN CORPORATION**

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

**1 No. - 35 MW Double Extraction Condensing Type Steam Turbine Generator Set having the following technical specifications:**



<b>Year of Manufacture</b>	<b>:1978</b>
<b>Entered Service</b>	<b>:1985</b>
<b>Year Retired</b>	<b>:2007</b>
<b>Major Upgrade</b>	<b>:1998</b>
<b>Condition</b>	<b>:Very Good</b>
<b>Operating Hours</b>	<b>:30,000 (only 10,000 since Major Upgrade)</b>

## **STEAM TURBINE DETAILS:**

<b>Rated Power:</b>		<b>1st Extraction</b>	
Normal:	20,000 kW (*)	Pressure	19 bar abs.
Maximum Cont:	35,000 kW	Flow	0 - 160,000 kg/h
(*) Fully Cond			
		<b>2nd Extraction</b>	
<b>Inlet Pressure</b>		Pressure	1.18 bar abs.
Minimum:	88.3 bar abs.	Flow	0 - 90,000 kg/h
Normal:	96 bar abs.		
Maximum Cont:	114.6 bar abs.	<b>Exhaust Flow</b>	
		Maximum Cont.	162,000 kg/h
<b>Inlet Temperature</b>		Minimum	10,000 kg/h
Minimum:	535 C		
Maximum Cont	545 C	Rated Speed	3,000 RPM

## **GENERATOR DETAILS:**

Rated Power	:43,750 kVA
Power Factor	:0.8
Active Power	:35,000 kW
Rated Voltage	:10,500 V +/- 5%
Rated Current	:2,406 A
Phases	:3
Phase Conn.	:Y
Rated Speed	:3,000
Frequency	:50 Hz

