

NITIN CORPORATION

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

1 No. – 5000 kW APE Belliss (2006)/ BHEL make, Back Pressure type Steam Turbine Generator Set having the following technical specifications:

TECHNICAL DETAILS:

TURBINE DETAILS:

Make	:	APE Belliss (India)
Type	:	SBP 450
Year of Make	:	2006
Capacity	:	5000 kW
Speed	:	8500 RPM
Inlet Steam Pressure	:	42/45 Kg/Cm2
Inlet Steam Temperature	:	420/440 Deg. C
Exhaust Steam Pressure	:	1.5/2 Kg/Cm2
Critical Speed	:	11250 RPM

GEARBOX DETAILS:

Make	:	Triveni (India)
Model No.	:	HSG 480
Capacity	:	5000 kW
Input Speed	:	8500 RPM
Output Speed	:	1500 RPM
Ratio	:	5.61 : 1
No. of teeth - GR/PIN	:	145/26

GENERATOR DETAILS:

Make	:	BHEL
Year	:	2002
Capacity	:	4500 kW
Speed	:	1500 RPM
Voltage	:	11000
P.F.	:	0.8
Cycles	:	50 Hz
No. of phases	:	3

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Protection	:	IP 54
No. of Poles	:	4
Connection	:	Star
Rating	:	Continuous

SCOPE OF SUPPLY:

The above TG Set is complete with the following:

1. Turbine and Gearbox mounted on baseframe.
2. Alternator mounted on baseframe.
3. Governing System for Turbine.
4. Oil Cooling System including Oil Coolers, Oil Filters, AOP with Motor, MOP mounted on gearbox shaft, interconnecting oil pipelines, oil tank, etc.
5. Alternator Coolers mounted on alternator sides.
6. Turbine Control Panel.
7. AVR Panel.
8. Alternator Control Panel.

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