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

**1 No. – 3000 kW TRIVENI/ BHEL (1998) make, Back Pressure type Steam Turbine Generator Set having the following technical specifications:**

**TECHNICAL DETAILS:**

**TURBINE DETAILS:**

Make	:	TRIVENI (INDIA)
Type	:	Multi Stage
Frame	:	14M
Year of Make	:	1998
Capacity	:	3000 kW
Speed	:	8325 RPM
Inlet Steam Pressure	:	42/45 kg/cm <sup>2</sup>
Inlet Steam Temperature	:	420 Deg. C
Exhaust Steam Pressure	:	1.5 kg/cm <sup>2</sup>
Trip Speed	:	9158/9574 RPM

**GEARBOX DETAILS:**

Make	:	TEIL (Mysore)
Year of Make	:	1998
Type	:	Single Helical
Capacity	:	3000 kW
Input Speed	:	8325 RPM
Output Speed	:	1500 RPM
Ratio	:	5.55 : 1

**ALTERNATOR DETAILS:**

Make	:	BHEL
Type	:	G 54904
Year of Make	:	1998
Capacity	:	3000 kW
Power Rating	:	3750 kVA
Speed	:	1500 RPM
Voltage	:	420V

Amps	:	5155A
No. of Poles	:	4
No. of Phases	:	3
P.F.	:	0.8
Cycles	:	50 Hz
Insulation Class	:	F
Connection	:	Star
Ambient Temp.	:	50 Deg. C
Duty	:	Continuous
Type of Enclosure	:	IP 54
Excitation - Volts	:	95V
AMPS	:	385 A

**SCOPE OF SUPPLY:**

The STG set will be delivered with following auxiliaries and accessories:

1. Turbine & Gear box mounted on common base frame (OilTank).
2. 2 Nos. Oil Coolers.
3. 2 Nos. Oil Filters.
4. 1 No. AOP with Motor.
5. 1 No. Turbo Oil Pump.
6. 1 No. Inlet Valve.
7. 1 No. High Speed Coupling.
8. 1 No. Turbine Control Panel.
9. 1 No. Low Speed Coupling.
10. 1 No. Exhaust Valve.
11. 1 No. Exhaust Bellow.
12. 1 No. Alternator with Excitor mounted on separate base frame.
13. 2 Nos. AVR Panels.

**NOTE:**

1. The STG Set has been very sparingly used, is in excellent condition & can be presently inspected on foundation in India.
2. Open inspection of the same can also be arranged.
3. The STG Set has been operating till March 2020 at full load and the operating log sheets can be shown during inspection.

**PHOTOGRAPHS:**







