

NITIN CORPORATION

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C I R C U L A R

The following Steam Turbine Generator set available for sale with us ex-stock with immediate delivery :

1 No. 1200 kW TRIVENI (1998) make back pressure type Steam Turbo Generator set having the following technical parameters:

TURBINE:

Make : TRIVENI (India)
Model No. : SGAF-3C
Year of make : 1998
No.of stages : 3 (1 curtis +2 rateau)

Parameters	Normal	Maximum
Power(kW)	: 1200	1300
Inlet pressure(kg/cm ²)	: 41	42
Inlet temp.(Deg.C)	: 410	420
Exhaust pressure(kg/cm ²)	: 6.5	7.5
Speed of turbine	: 4750 RPM	
First critical speed	: 6250 RPM	
Trip speed range	: 5225-5490 RPM	
Direction of Rotation	: Anti Clockwise	

Governor

Make : Woodward
Type : 2301 A with TG-17E

GEAR BOX :

Make : Triveni
Year of make : 1997
Power : 1400 kW
Input Speed : 4750 RPM
Output Speed : 1500 RPM
Ratio : 3.168 : 1
Service factor : 1.5
Oil quantity : 90 LPM

ALTERNATOR :

Make	:	Jyoti Ltd.
Year of make	:	1998
Capacity	:	1500 kVA
P.F.	:	0.8
Speed	:	1500 RPM
Voltage	:	415/440V
No. of Phases	:	3
Frequency	:	50 Hz

Note: The above STG set is in excellent condition and is complete with the following auxiliaries and accessories.

- a) Governing system (Woodward)
- b) 1 No. Oil filter
- c) 2 Nos. Oil coolers
- d) 1 No. AOP with motor
- e) Oil Tank & Inter-connecting Oil pipelines
- f) Hand priming pump
- g) Local turbine controls
- h) 1 No. Alternator Control Panel
- i) Exciter-cum- AVR panel
- j) Emergency Stop Valve with it's pipelines
- k) Generator Air Cooler.

The manuals and drawings of the STG set are available.