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DEALERS & IMPORTERS OF POWER PLANTS & ALLIED MACHINERY

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C I R C U L A R

The following 1875 kVA (1500 kW) APE BELLISS/KIRLOSKAR make Steam Turbo Generator set available for sale with us ex-stock with immediate delivery.

1 No. 1.5 MW multistage, BELLISS make back pressure type steam turbo generator set, as per technical details given hereunder:

TURBINE:

Make	:	APE BELLISS
Year of manufacture	:	1987
Type	:	MST
Turbine No.	:	BM 3583/B
Output	:	1500 kW
Inlet Pressure	:	
Normal	:	32 Kg/Cm ²
Min.	:	25 Kg/Cm ²
Max.	:	35 Kg/Cm ² .
Inlet Temperature	:	
Normal	:	400oC
Min.	:	375oC.
Max.	:	415oC.
Exhaust Pressure	:	
Normal	:	3 Kg/Cm ²
Min.	:	2.Kg/Cm ²
Max.	:	3.5 Kg/Cm ²
Exhaust Steam Temp.:		190oC.
Speed	:	6000 RPM
No,of stages	:	6
Inlet Steam connection:		150mm
Exhaust steam connection		300 mm

GEAR BOX:

Make	:	WALCHAND NAGAR INDUSTRIES
Year of make	:	1987
H P	:	2000
Type	:	GN 32
Input speed	:	6000 RPM
Output speed	:	1500 RPM
Ratio	:	4:1

ALTERNATOR:

Make	:	KIRLOSKAR
Year of manufacture	:	1987
Capacity	:	1875 kVA (1500 kW)
Amps	:	2580
Speed	:	1500 RPM
Cycle	:	50 Hz
P.F.	:	0.8
Phase	:	3
Vol.	:	410/440 V
Excitation:	:	
Voltage	:	80 V
Amps	:	294 A

The above complete STG set is available with the following accessories:

- 1) **Complete oil cooling system comprising of:**
 - a) Main Oil Pump
 - b) Auxiliary Oil Pump with motor
 - c) 2 Nos. oil coolers
 - d) 1 set (2 Nos.) of oil filters)
 - e) Oil Tank
 - f) Oil Pipelines
 - g) Hand Priming Pump
- 2) Centrifugal Governor with Throttle valve (Standard Mechanical Belliss Governor).
- 3) Forced lubrication provided by spur gear type pump.
- 4) Local Turbine Control Panel.
- 5) 2 Nos. Alternator Control Panels without breaker but with Triport make AVR.
- 6) Inlet Steam Valve.
- 7) Expansion Bellow.
- 8) Radiator for Alternator Cooling.

Note: **1 The above complete STG set is installed on foundation and is in Excellent Condition**

2. The manuals drawings etc. pertaining to the STG set are available
3. The Turbine Rotor has been replaced brand new in 2005 to improve Efficiency

PRODUCT IMAGES :

