

NITIN CORPORATION

402, 4th Floor,
Bezzola Commercial Complex,
Sion – Trombay Road,
Chembur,
Mumbai – 400071,
India.

WEB: www.corponit.com

E – MAIL: enquiry@corponit.com
nitincorporation@yahoo.com

PH (O): +91 - 22 – 25235386 / 25234478

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

1 No. –15000 kW, TRIVENI (2008) make Extraction - Condensing type Steam Turbine Generator Set, having the following technical specifications:

TECHNICAL DETAILS:

TURBINE:

Make : TRIVENI ENGG (India)
Year of make : 2008
Type : SCG 3
Capacity : 15000 kW
Inlet Steam Pressure : 74 Ata
Inlet Steam Temperature : 515 Deg. C.
Inlet Steam Flow : 68 TPH
Bleed Pressure – 1 : 18 Ata
Bleed Steam Flow – 1 : 12 TPH
Bleed Steam Pressure – 2 : 5.64 Ata
Bleed Steam Flow – 2 : 7.25 TPH
Exhaust Steam Pressure : 0.16 Ata
Steam Flow to Condenser : 48.65 TPH
Turbine Speed : 6850 RPM
Turbine Trip Speed : 7510 to 7850 RPM
1st Critical Speed : 2300 to 2800 RPM

GEAR BOX:

Make : TRIVENI ENGG.
Year of make : 2008
Capacity : 15600 kW
Input Speed : 6850 RPM
Output Speed : 1500 RPM
Ratio : 4.567:1
Service Factor : 1.50
No. of Teeth -Gear : 137
-Pinion : 30
Lube Oil Quality : ISO –VG-46

Lube Oil Quantity : 375 LPM
Oil Quantity : 275 LPM
Oil Pressure : 1.5 BAR

GENERATOR:

Make : TDPS
Type : TC 150
Year of Make : 2009
Output : 15000 kVA
Speed : 1500 RPM
Limiting Speed : 1800 RPM
Voltage : 11000 V
Current : 787 A
No of Phases : 3
No of Poles : 4
Frequency : 50 Hz
P.F : 0.8
Connection : Star
Exc. Voltage : 196 V DC
Exc. Current : 696 A DC
Enclosure : IP 54
Cooling System : IC81W
Coolant Temperature : 32 Deg. C
Duty : Continuous
Altitude : 1000 M
Insulation Class : F

EXCITER:

Make : TDPS
Year of Make : 2009
System : Brushless Excitation System
Enclosure System : IP 23
Cooling System : IC 01
Insulation Class : F

SCOPE OF SUPPLY:

The above TG set will be supplied by you with the following accessories:

- 1) Steam Turbine with inlet valve, control valves, actuator, linkages, etc.
- 2) Reduction Gear Box.
- 3) Alternator with exciter and top mounted radiator.
- 4) Turbine base frame (Oil Tank) along with AOP with motor, oil mist separator, etc.
- 5) 1 No. Barring gear with motor mounted on gear box.
- 6) High Speed and Low Speed couplings.
- 7) 1 No. Turbine control panel with Woodward make Electronic Governor.
- 8) 1 No. Excitation panel.
- 9) 1 No. NGR panel.
- 10) 1 No. LAVT panel.
- 11) 1 No. Generator relay panel,
- 12) 1 No. Synchronization panel.

Exclusions: Condensing System, Cables, 1 No. Duplex oil filter, 2 Nos. heat exchangers, etc.

PHOTOS:







