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

**1 No. - 1500 kW Belliss (2001) make Back Pressure type Steam Turbine Generator Set, having the following technical specifications:**

**TECHNICAL DETAILS:****TURBINE:**

|                           |   |                        |
|---------------------------|---|------------------------|
| Make                      | : | BELLISS (INDIA)        |
| Type                      | : | SBP 350                |
| Capacity                  | : | 1500 kW                |
| Year of make              | : | 2001                   |
| Inlet Steam Pressure      | : | 43 Kg/Cm <sup>2</sup>  |
| Inlet Steam Temperature   | : | 430°C.                 |
| Exhaust Pressure - Normal | : | 3.5 kg/cm <sup>2</sup> |
| Max                       | : | 6 kg/cm <sup>2</sup>   |
| Turbine Speed             | : | 10250 RPM              |

**GEAR BOX:**

|                |   |                 |
|----------------|---|-----------------|
| Make           | : | TRIVENI (India) |
| Capacity       | : | 1500 kW         |
| Year of make   | : | 1997            |
| Input Speed    | : | 10250 RPM       |
| Output Speed   | : | 1500 RPM        |
| Ratio          | : | 6.8333:1        |
| Service Factor | : | 1.5             |

**ALTERNATOR:**

|              |   |                    |
|--------------|---|--------------------|
| Make         | : | JYOTI LTD. (India) |
| Year of make | : | 2001               |
| Capacity     | : | 1500 kW            |
| Frame        | : | THGB-98-4-D5       |
| Type         | : | Double Bearing     |
| kVA          | : | 1875               |
| Speed        | : | 1500 RPM           |
| Voltage      | : | 420V               |

|                  |   |        |
|------------------|---|--------|
| Current          | : | 2577A  |
| Connection       | : | Star   |
| No. of Phases    | : | 3      |
| Insulation Class | : | F      |
| Frequency        | : | 50 Hz. |
| Enclosure        | : | CACW   |
| Ambient Temp.    | : | 45°C.  |
| Excitation:      |   |        |
| V                | : | 35V    |
| A                | : | 4.4A   |

### **SCOPE OF SUPPLY:**

1. Turbine with Gearbox mounted with all fitments on common base frame and turbine guard cover.
2. Alternator mounted on it's baseframe.
3. High Speed & Low Speed Couplings.
4. Inlet Valve & safety Valve.
5. Woodward make Governing system.
6. Oil Cooling System comprising of 2 Nos. oil coolers, 2 Nos. Main Oil Filters, AOP with Motor, MOP, Hand Pump and interconnecting pipelines with valves.
7. Bus Duct with Busbars.
8. 1 No. Turbine Panel.
9. 1 No. Turbine Gauge Board with Temperature meters.
10. 1 No. 1500 kW Alternator Control Panel.
11. 1 No. Alternator Breaker Panel.
12. 2 Nos. AVR Panels.
13. 1 No. Excitation Panel.
14. Alternator Radiators with distance piece.

**Exclusion:** Inlet & Exhaust Pipeline & Valves.

### **NOTE:**

The above STG set is in excellent condition and can be presently inspected in our warehouse near Mumbai. Open inspection of the TG Set can also be arranged by opening the turbine and gearbox top casing.

**PHOTOS:**











