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## **CIRCULAR**

**1 No. 3 MW KESSELS/KIRLOSKAR (1995) make Steam Turbo Generator set available for sale with us, as under:**



## I. DESCRIPTION:

**1 No. Kessels make turbine with reduction gear box and alternator in excellent working condition:**

### Turbine Details:

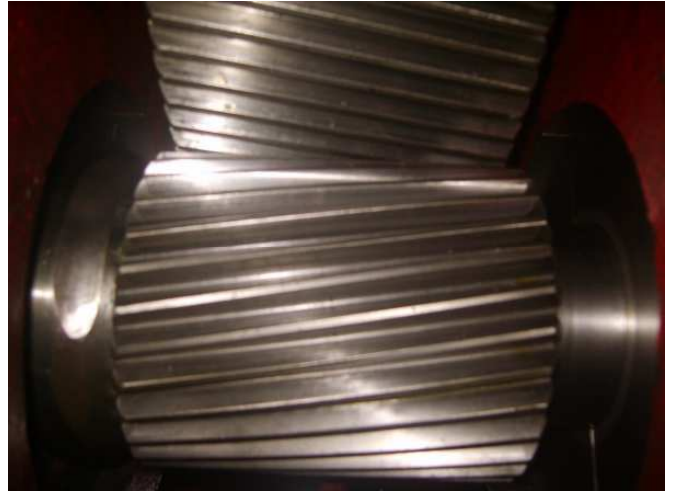
Make	:	Kessels
No. of stages	:	6
Year of make	:	1995
Capacity	:	3 MW
Inlet Steam Pressure	:	21 kg/cm <sup>2</sup> .
Inlet Steam Temp.	:	350 Deg. C
Exhaust Steam Pressure:	:	1/1.5 kg/cm <sup>2</sup>
Speed	:	6400 RPM

### Gearbox Details :

Make	:	WIL
Type	:	GN40 S
Capacity	:	3000 kW
Input Speed	:	6400 RPM
Output Speed	:	1500 RPM
Year of make	:	1995
Ratio	:	4.27 : 1
Oil Used	:	ISO – VG-68
Quantity of Oil	:	175 LBM
Oil Pressure	:	1 – 2 kg/cm <sup>2</sup> .

### Alternator Details :

Make	:	Kirloskar
Year of make	:	1995
Type	:	4AB 710/8
Capacity	:	3750 kVA
Speed	:	1500 RPM
Voltage	:	420V
Amps	:	5155A
Insulation	:	Class F
Cycles	:	50 Hz.
P.F.	:	0.8
No. of phases	:	3
Excitation Voltage	:	140 V
Excitation Amps	:	4.75 A
With Separate Excitor.		



## **II. SCOPE OF SUPPLY:**

The above STG set will be delivered alongwith the following auxiliaries and accessories:

- Inlet Valve - 8"
- Inlet Pipeline
- Exhaust Valve – 24"
- Exhaust Pipelines & All interconnected Steam Pipings.
- Exhaust Bellow
- Stop Valve.
- 3 Nos. Throttle Valves.
- Pressure & temperature gauges for turbine & oil mounted on turbine.
- 1 No. Kessels Turbine Control Panel comprising of several meters & WOODWARD Electronic Governor, type 2301A.
- Oil Cooling System Comprising of :
  1. 1 No. AOP with Electric Motor.
  2. 2 Nos. Oil Coolers.
  3. 2 Nos. Oil filters fitted in the pipeline next to oil coolers.
  4. Oil Pipelines.
  5. Oil tank in base.
- Air Vent
- High Speed Coupling.
- Gearbox Coupling.
- Alternator Excitor.
- Air Coolers mounted on Alternator sides.
- Excitation-cum-AVR Panel, Kirloskar make, with 3 channels. (2 Auto + 1 Manual)

- NOTE :**
1. The Above STG Set is in excellent condition & as good as new.
  2. The STG Set can be presently inspected on foundation in U.P. & open inspection can also be arranged by opening the turbine top casing.
  3. Photographs of the STG Set can be forwarded on request.