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

1 No. 3000 kW KESSELS (2000) make Back Pressure type Steam Turbine Generator set, having the Following Technical Specifications:

TECHNICAL SPECIFICATIONS:

TURBINE DETAILS:

Make	:	Kessels (India) – Imported from Skinner Erie (USA)
Year of make	:	2000
Type	:	MS-52 Multistage
Power	:	3000 kW
No.of Stages	:	7
Inlet Steam Pressure	:	32 kg/cm ²
Exhaust Pressure	:	1.5 kg/cm ²
Inlet Steam Temp.	:	380°C
Turbine Rotor Speed	:	6400 RPM

GEARBOX DETAILS:

Make	:	WALCHANDNAGAR INDUSTRIES LTD.
Type	:	GN 40 S
Year of make	:	2000
Power	:	3000 kW
Input Speed	:	6400 RPM
Output Speed	:	1500 RPM
Ratio	:	4.27:1

ALTERNATOR DETAILS:

Make	:	JYOTI LTD (Vadodara – India)
Year of make	:	2002
Frame	:	THGB-109-4-D5
kVA	:	3125
Speed	:	1500 RPM

Voltage	:	420V
Current	:	4296A
Frequency	:	50 Hz
P.F	:	0.8
Phase	:	3
Connection	:	Star
Insulation Class	:	F
Ambient Temp.	:	45°C
Altitude	:	1000 m
Water Temp.	:	35°C
Rotation	:	Clockwise
Rating	:	S1
Overspeed	:	1800 RPM
Enclosure	:	CACW
Excitation Voltage	:	36V
Excitation Current	:	5.8A

SCOPE OF SUPPLY

The above Turbine & Alternator is complete with the following:

1. Inlet Valve.
2. Turbine with Gearbox mounted with all fitments on common base frame.
3. Woodward make Governing system with actuator and 2301A governor in turbine panel.
4. Oil Cooling System comprising of 3 Nos. oil coolers, 2 Nos. Main Oil Filters, AOP with Motor, MOP, Hand Pump and all interconnecting pipelines with valves.
5. 1 No. 2.5 MW Jyoti Alternator with Excitor and Baseframe.
6. 1 No. Exhaust Bellow.
7. 1 No. Low Speed coupling.
8. 1 No. Turbine Control Panel.
9. 2 Nos. AVR Panels.
10. 1 No. Excitation Panel.
11. 1 Set of Alternator Radiators (4 Nos.)

PHOTOS:











