

NITIN CORPORATION

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

1 No. –17.5 MW, SIEMENS (2005) make Extraction-cum-Condensing type Steam Turbine Generator Set, having the following technical specifications:

TECHNICAL DETAILS:

TURBINE:

Make	:	SIEMENS (India)
Year of make	:	2005
Type	:	SST 150 UPS
Capacity	:	17.5 MW
Turbine Speed	:	7500 RPM
Type	:	Extraction-cum-Condensing
Inlet Steam Pressure	:	65 Kg/Cm ²
Inlet Steam Temperature	:	485oC.
Inlet Steam Flow	:	100 TPH
Bleed Steam Pressure	:	11.5 Kg/Cm ²
Bleed Steam Temperature	:	292oC.
Bleed Steam Flow (Max)	:	10 TPH
Controlled Extraction Pressure	:	5.5 Kg/Cm ²
Controlled Extraction Temp.	:	225oC.
Controlled Extraction Steam Flow (Max.)	:	80 TPH
Exhaust Steam Pressure	:	0.13 ATA
Exhaust Steam Flow (Max)	:	35 TPH

GEAR BOX:

Make	:	TRIVENI
Input Speed	:	7500 RPM
Output Speed	:	1500 RPM
Ratio	:	5:1

ALTERNATOR:

Make	:	BHEL
Capacity	:	15 MW

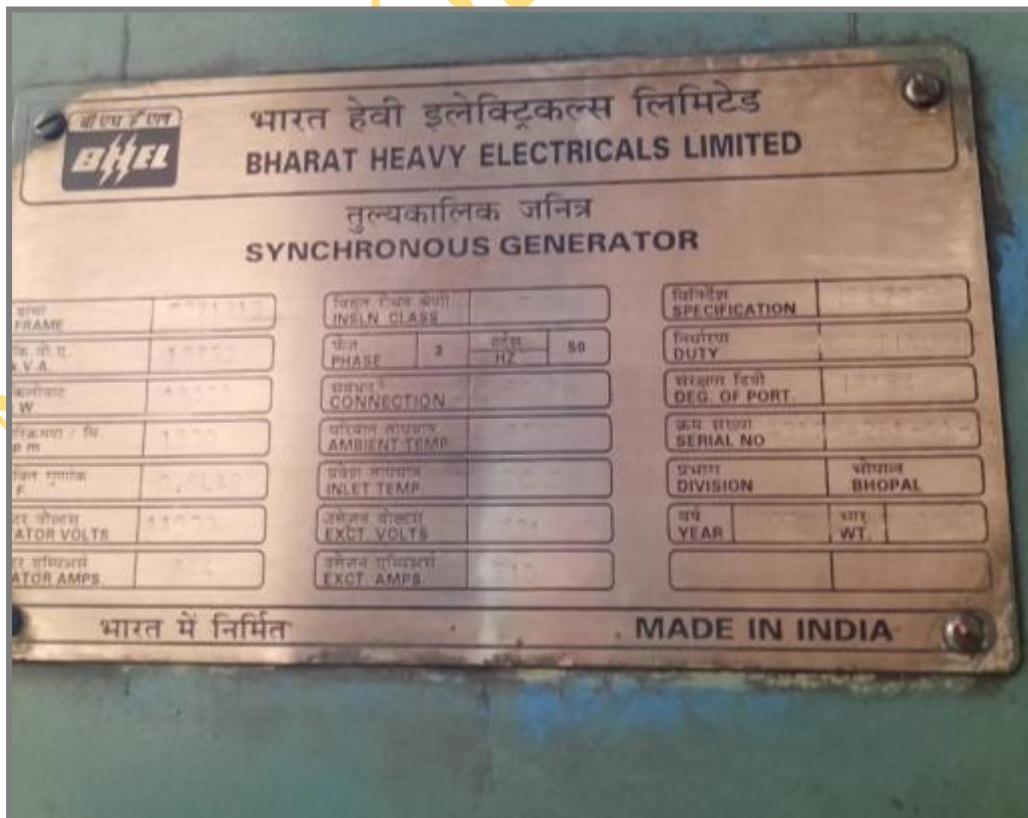
Year of make	:	2005
Speed	:	1500 RPM
kVA	:	18750
Voltage	:	11 kV
Amps.	:	984A
Insulation Class	:	F
Connection	:	Star
No. of Phases	:	3
Power Facto	:	0.8
Frequency	:	50 Hz.
Duty	:	Continuous
Ambient Temperature	:	50oC.

SCOPE OF SUPPLY:

- 1) 1 No. 17.5 MW SIEMENS make steam turbine.
- 2) Triveni make Reduction Gear Box.
- 3) 1 No. 15 MW BHEL make alternator.
- 4) Lube oil system, including oil tank, EOP and AOP.
- 5) 1 No. SIEMENS make steam condenser.
- 6) 1 No. turbine gauge board.
- 7) 2 Nos. AVR panels.
- 8) 1 No. synchronization panel.
- 9) 2 Nos. CEP (Condensate Extraction Pumps).
- 10) 1 No. LAPT panel.
- 11) 1 No. NGR panel.
- 12) 1 No. Relay panel.
- 13) 1 No. turbine control panel.



PHOTOS:









 भारत हेवी इलेक्ट्रिकल्स लिमिटेड BHARAT HEAVY ELECTRICALS LIMITED					
ब्रशविहीन उत्तेजक BRUSHLESS EXCITER					
किलोवाट K.W.	127	वोल्ट्स VOLTS	141	स्पेसिफिकेशन SPECIFICATION	IS : 4722
उत्तेजन EXCITATION AMP	4A	ऐम्पियर AMPERES	900	निर्माता की संख्या MAKER'S No.	128426 1-0
उत्तेजन वोल्ट्स EXCITATION VOLTS	120V	आर पी एम R P M	1500	डिविज़न DIVISION	भोपाल BHOPAL
कनेक्शन CONNECTION		हर्टज़ Hz	200	वर्ष YEAR	2005
भारत में निर्मित			MADE IN INDIA		



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किलोवाट K.W.	127	वोल्ट्स VOLTS	141	स्पेसिफिकेशन SPECIFICATION	IS : 4722
उत्तेजन EXCITATION AMP	6.5	ऐम्पियर AMPERES		निर्माता की संख्या MAKER'S No.	
उत्तेजन वोल्ट्स EXCITATION VOLTS	120V	आर पी एम R P M	1500	डिविजन DIVISION	भोपाल BHOPAL
कनेक्शन CONNECTION		हर्ट्ज Hz	200	वर्ष YEAR	2005
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BHEL CORPORATE R&D DIVISION
 HYDERABAD - 500 093
 3 PHASE PERMANENT MAGNET GENERATOR
 320V, I = 6.5A, KVA = 2.5, SPEED = 1500 rpm
 50 Hz, Conn. = STAR, DUTY = S1, C.M. = 1.5
 Sl. No. []

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