

31 MW GE LM2500+ Gas Turbine Generator Package

General Electric LM2500+HSPT 31132 kW, Commissioned in 2004, Natural Gas, Brush Generator rated at 47500 KVA, 50 HZ, 11500 V, can be upgraded to dual fuel system. Next overhaul hours are required after 3579 running hours. electrical system, control system, cooling system, starting system, exhaust system, lubricating system, pumps, Turbine package can be put into service or used for spares for an already existing plant. Complete package very well maintained. Contact us to set up inspection. This plant is priced well below market value and can be purchased at an excellent price.

GAS TURBINE GENERATOR LM2500+ (31,132 MW)

GAS TURBINE

Manufacturer:	General Electric
Despatched by:	General Electric
Model Num.:	LM2500+HSPT
Nominal Power:	31132 kW
Fuel:	Natural Gas
Production Date:	2003
Compressor stages:	17
Power Turbine stages:	2

GENERATOR

Manufacturer:	BRUSH
Production Date:	2003
Cooling:	Air-Cooled
Insulation Class:	F
Operation mode:	Continuous
Operation power:	47500 kVA
Operation Voltage:	11500 V
Operation Current:	2385 A
Power Factor:	0,8
Speed:	1500 rpm
Frequency:	50 Hz
Field Voltage:	99 V
Field Current:	970 A
Standars:	IEC 60034-1
IP Class:	IP54
Ambient Temp.:	15 deg. C
Operatiion Altitude:	<1000 m.

GAS TURBINES								
UNIT	MANUFACTURER	MODEL	DATE OF COMMISSIONING	CAPACITY	EFFICIENCY		HEAT RATE	AUXILIARY CONSUMPTION
				NOMINAL (MW)	Projected at full load, (%)	Real at full load, (%)	Real at full load, (Kj/kW-hr)	(%)
GTG	GE	LM2500+ HSPT	Feb 2004	31.1	38.2	36	0,294	1,5%

Gas Turbine (Natural Gas) Control system has dual fuel system and Engine can be upgraded to dual fuel system.

Engine Running Hours : 69587 / Package Running Hours : 74659

HSPT Engine Running Hours: 68720 / Package Running Hours: 74659

Routine Maintenance Intervals

4000 Hours /6 Months = Semi-Annual Inspection

12500 Hours = VSV Bushing Replacement

25000 Hours = Hot Section Exchange

25000 Hours = HSPT Statory Kit Replacement (for GTG-HSPT)

50000 Hours = Major Overhaul Inspection

Status of Overhaul Maintenance of Units:

GG overhaul done @ 48166 running hours

HSPT overhaul done @48166 running hours

Running Hours after Overhaul:

GG : 21421 Hours

HSPT : 20554 Hours

Next Overhaul Hours for Units:

HSE for GG after 3579 running hours, MOI after 28579 running hours,

HSE for HSPT after 4446 running hours, MOI after 29446 running hours,

Start-stop number for units:

1699 fired starts, 1443 normal stops

Gas Consumption values:

0,287 Sm³/kWh