NSV Energy LLC
35 Hickory Springs Industrial Drive
Canton GA 30115

4000 KW NON CONDENSING STEAM TURBINE GENERATOR SET

STEAM TURBINE:

Manufacturer:	Murray
Turbine number:	T-5356
Inlet steam:	600 psig/735 °F
Exhaust steam:	150 psig
Maximum inlet steam flow:	139,000 lbs/hr
Steam rate:	34.75 lbs/kwh
Number of stages:	4
Speed:	6014 rpm
Rotation:	CW (from Governor end)

Speed reducer 600 rpm to 1800 rpm

GENERATOR:

Manufacturer:	Leroy Somer air cooled
Model number:	LSA 56 UL 95-4P
Rating:	5000 kva
Voltage:	12470 -13800 v/3/60 hz
PF:	0.8
Exciter:	Brushless with pmg
Speed:	1800 rpm

SCOPE OF SUPPLY
Steam Turbine generator
Inlet stop valve
Lube oil system
Generator terminal box and surge arrester and capacitor
Turbine control panel
Drawings, manuals

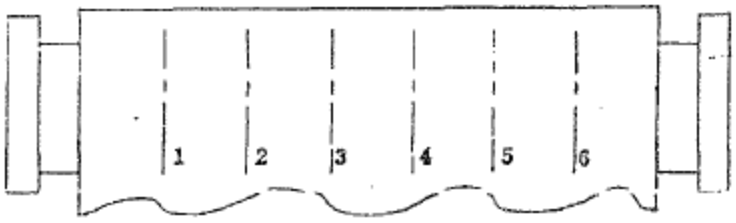
HISTORY:
Year built: 1990's dismantled and stored inside warehouse

Turbine Serial No. 5356 S. O. T - 5356

Rated Steam Pressure at Throttle	600	#/Sq. in. Ga.
Rated Steam Total Temp. at Throttle	735	degrees F.
Rated Back Pressure at Exhaust	150	#/Sq. in Ga.
Rated Vacuum at Exhaust	---	Hg. Abs.
Rated Horsepower	---	H. P.
K. W.	4000	K. W.
Rated Turbine Operating Speed	6014	R. P. M.
Rated Gear Operating Speed	1800	R. P. M.
Turbine Rotation (Viewed from Gov. End)	Clockwise	
Hand Valves	---	

See Table Below

For Assembly & Opening Sequence see H. P. Control Valve Linkage Assembly.



Location of valves looking from gov. end of turbine.

Stm. Pr.	Stm. TT	Stm. SH	Exh. Pr.	K. W. XXXX	R. P. M.	Valves 1	2	3	4	5	6	
600	735	---	150	4000	6014	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	GUARANTEE
					5713							Min. Speed
					6315							Max. Speed
Size and Type of Valve												

LABYRINTH RING DIAMETRAL COLD CLEARANCES

	Min.	Max.
Steam End Rings	0.008T	0.006T
Exhaust End Rings	0.006T	0.004T
Diaphragm Ring/s 2nd stage thru 4th stage	0.006T	0.004T
~~Diaphragm Ring/s stage thru stage~~		

Labyrinth Rings in Steam End Gland to be Arranged for Atmospheric & Above Operation.
Labyrinth Rings in Exhaust End Gland to be Arranged for " " " "