

## Online Sale of Surplus Assets (Power and Heat Generating System) from Maharashtra, close to Mumbai



DG Set



Turbine

**valuejunction**, a business unit of **mjunction** (A SAIL – Tata Steel joint venture) is appointed by a leading public limited company, having Head Office in Mumbai to sell their surplus assets from Maharashtra.

Interested buyers are requested to contact the **valuejunction** team for further details.

### **Details of Running Power Plant:**

Sl. No.	ASSETS NAME	VENDOR NAME	QTY.	ORIGION
1	POWER PLANT DG SET WITH ALL ACCESSORIES AND PANELS - 1 ( 2.6 MW)	WARTSILA	1	IMPORTED
2	POWER PLANT DG SET WITH ALL ACCESSORIES AND PANELS - 2 ( 3.9 MW)	WARTSILA	1	IMPORTED
3	POWER PLANT DG SET WITH ALL ACCESSORIES AND PANELS - 3 ( 3.9 MW)	WARTSILA	1	IMPORTED
4	DUAL FUEL GENERATOR SET 18V32DF, 6080KVA	WARTSILA	1	IMPORTED
5	DUAL FUEL GENERATOR SET 18V32DF, 6080KVA	WARTSILA	1	IMPORTED
6	WASTE HEAT RECOVERY BOILER (EGB) 1.5 T	THERMAX LIMITED	1	INDIGIOUS
7	WASTE HEAT RECOVERY BOILER (EGB) 2.2 T	THERMAX LIMITED	1	INDIGENOUS
8	WASTE HEAT RECOVERY BOILER (EGB) 2.2 T	THERMAX LIMITED	1	INDIGENOUS
9	HOT WATER BASED VAPOUR ABSORPN.M/C-145TR	THERMAX LIMITED	1	INDIGENOUS
10	HOT WATER BASED VAPOUR ABSORPN.M/C-220TR	THERMAX LIMITED	1	INDIGENOUS
11	HOT WATER BASED VAPOUR ABSORPN.M/C-220TR	THERMAX LIMITED	1	INDIGENOUS
12	WASTE HEAT RECOVERY BOILER (EGB) 3.3 T	THERMAX LIMITED	1	INDIGENOUS
13	WASTE HEAT RECOVERY BOILER (EGB) 3.3 T	THERMAX LIMITED	1	INDIGENOUS
14	VAM-HEAT PUMP,470 TR,MODEL:HAU-L-20S(SP)	VOLTAS LIMITED	1	INDIGENOUS
15	VAM-HEAT PUMP,470 TR,MODEL:HAU-L-20S(SP)	VOLTAS LIMITED	1	INDIGENOUS

**All are in running condition and average age is 5 to 6 yrs.**

### **Technical Details:**

#### **7.0 MW RUNNING GAS TURBINE BASED POWER PLANT CALCULATION**

1	GAS CONSUMPTION / HR	2380 SM3/HR
2	POWER GENERATION / HR	6800 KWH
3	STEAM GENERATION HEAT RECOVERY	13000 KG/HR
4	HEAT OF GAS INPUT TO GAS TURBINE	19873000 KCAL /HR @ 8350 KCAL/SM3 NCV
5	POWER GENERATION IN HEAT UNIT	5848060 KCAL / HR
6	HEAT OFSTEAM @ 10.5 KG/CM2 FROM STEAM	2783.3 KJ/KG

	TABLE	
7	HEAT OF STEAM GENERATION	36182900 KJ/HR
8	HEAT OF STEAM GENERATION	8643780 KCAL/HR
9	EFFICIENCY OF GAS TURBINE	(POWER GENE + STEAM GENE)/FUEL CONSUMPTION
10	ELECTRICAL EFFICIENCY	POWER GENE / FUEL CONSUMPTION

**All are in running conditions and Hrs. run only is 47,000 Hrs. (Approx.)**

### **3.0 MW RUNNING STEAM TURBINE WITH DUAL FIRED BOILER BASED POWER PLANT CALCULATION**

1	GAS CONSUMTION /HR	2700 SM3/HR
2	POWER GENERATION / HR	2900 KWH
3	STEAM TO PROCESS / HR	32000 KG /HR
4	HOTWATER TO BOILER	36000 KG/HR
5	HEAT OF GAS INPUT TO BOILERS	22545000 KCAL /HR @ 8350 KCAL/SM3 NCV
6	NET POWER GENERTION IN HEAT UNIT	2064020 KCAL / HR
7	HEAT OF STEAM @ 4.5 KG/CM2 FROM STEAM TABLE	2753 KJ/KG
8	HEAT OF STEAM GENERATION	88096000 KJ/HR
9	HEAT OF STEAM GENERATION	21045400 KCAL/HR
10	HEAT OF HOT WATER TO BOILER	2340000
11	EFFICIENCY OF STEAM TRUBINE	( POWER GENE + STEAM TO PROCESS)/ TOTAL FUEL INTO BOILER+HOT WTAER TO BOILER
12	ELECTRICAL EFFICIENCY	(POWER GENE )/((TOTAL FUEL INTO BOILER+HOT WATER )-(STEAM TO PROCESS*BOI EFF))

**All are in running conditions and it is 3yrs old**

#### **valuejunction team : Contact details**

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**Tentative auction date is 02<sup>nd</sup> April, 2015.**



The pictures shown below are indicative in nature. Customers are advised to inspect the material.





























