



**MET-TECH | Product Data Sheet**  
**POWER PLANT - 52 MW - GAS & STEAM TURBINE**

**Ref. No.:** POWERPLANT200601

**Year:** 1995-2001

**Brand:** GE, ABB, GEC ALSTHOM, MAAG ETC.

**Qty.** 1 Second-hand 52 MW power plant

**Mfc.:** General Electric, ABB, GEC ALSTHOM, Franco Tosi, MAAG Built

**Consists of:**

Gas Turbine 39 MW Steam Turbine 13 MW 3-Phase Transformer  
Electrical Generator Gear Box Heat Recovery Steam Generator

1) Qty. 1 Second-hand 39 MW gas turbine GE LM6000

**Mfc.:** General Electric Model

**Working hours after last overhaul:** 16.483 Starts after last overhaul

**Current status:** long-term preserved

**Water injection:** without PCC single gas fuel nozzle with NO water injection

2) Qty. 1 Second-hand 13 MW steam turbine

**Mfc.:** Franco Tosi Built

**Power:** 12,818 kW Rotation speed of turbine

**Rotation speed of alternator:** 3000 RPM Steam entry - pression

**Steam entry - temperature:** 433°C Steam exit ? pressure

**Steam re-entry ? pressure:** 4 bar-a Steam re-entry ? temperature

3) Qty. 1 Step-up Transformer (3-phase)

**Mfc.:** ABB Built

**Nominal power:** 50 ? 87 MVA

4) Qty. 1 Electrical Generator

**Mfc.:** GEC ALSTHOM Type

**Current:** 3364 A Speed

5) Qty. 1 Gear Box

**Mfc.:** MAAG, Switzerland Type

**High speed shaft:** 3611 RPM Low speed shaft

6) Qty. 1 Heat Recovery Steam Generator

**Mfc.:** TBA Built

high pressure cylindrical body and a low pressure body, without post-combustion.

**High pressure:** 4.2 MPa at a temperature of 450°C and a steam flow rate of about 45 TPA

**Low Pressure:** 0.4 MPa at a temperature of 150°C and a steam flow rate of about 11.5 TPA