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

Description: 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

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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

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