

## **Basic Specification**

Year: 1962

Condition: excellent

Total operating hours 67 793 h after last revision 25 677 h

## **Turbine**

Manufacturer: Siemens Schuckertwerke, Muehlheim Works

Model: Twin casing condensing set

**Output: 14 MW ( IN FULLY CONDENSING MODE YOU CAN GET 14 MW OR AT 60 BAR IN CONDENSING MODE YOU WILL GET 11-12 MW).**

Design Inlet Pressure: 79/90 barg

Maximum Continuous Inlet Pressure: 79 / 90 barg

Design Inlet Temperature: 525 C

Maximum Continuous Inlet Temp: 510 / 525 C

Steam flow: 48,8 tons / hour at 14 MW

Extraction 1: 4,1 t/hr

Extraction 2: 3,4 t/hr

Extraction 3: 2,1 t/hr

Cond. Pressure: 0,02 bara

Rated Speed - HP / LP / Generator: 7000 / 3000 / 3000 rpm

## **Generator**

Manufacture: Siemens

Apparent Power: 18700 kVA

Design Active Power: 14000 kW

Cos phi: 0.75

Voltage: 6300 V

Amps: 1750 A

Rated Speed: 3,000 rpm

## **Scope of Supply**

One (1) condensing type steam turbine generator unit for indoor installation comprising of the following major pieces of equipment

### **Turbo-generator**

Turbine assembly.

Alternator assembly.

Exciter assembly.

Lubricating oil system.

Gland condenser system.

Cooling water pumps.

Turbine gauge panel.

Generator gauge panel (partial).

Turbine control panel (partial).

Governing system.

Overspeed protection system.

Auto voltage regulator – to be confirmed.

Neutral earthing resistor – to be confirmed.

Exhaust relief valve.

Special tools as available.

Spare parts as available.

Manuals, drawings as available

## **Documentation**

Original operation and maintenance manuals in German and Finish

Original drawings and schemes in German

## **Exclusions**

DCS.

Alternator control panel.

Motor control centre.

Synchronising panel.

HV switchgear.

The above are excluded since they cannot be separated from the integrated system at the site.

### **Dismantling (already completed)**

Match marking and photographic survey.

Manpower

Supervision

Plant & equipment

Rotor supports

Packing materials

### **Exclusions**

Any civil structures

All cables, conduits, and the like

All fill oils (which will be drained and disposed of, or they can be put into drums and shipped with the equipment).

Shipping containers.