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DEALERS & IMPORTERS OF POWER PLANTS & ALLIED MACHINERY

402, 4th Floor, Bezzola Commercial Complex, V.N. Purav Marg, Sion Trombay Road, Chembur, Mumbai – 400071, INDIA.

1 x 25 MW UNUSED GMB (1990) make Extraction - Exhaust pressure type Steam Turbine Generator Set:

Year of manufacture : 1990
Condition : UNUSED
Status : Stored in Packing in Warehouse

TURBINE:

Type : PR 25-8.8/1.8/0.5
Output : 25,000 kW
Speed : 3000 rpm
Live steam pressure : 73.5 bar - max. 81 bar
Live steam temperature : 490 °C - max. 498 °C
HP-steam flow : approx. 220 t/h
Pass out I (after stage 3, uncontrolled, blind) : 39.6 bar/412°C- max. 46.4 bar / 445 °C
Pass out II (after stage 6, uncontrolled, blind) : 26.6 bar/363°C- max. 30.5 bar / 393 °C
Extraction pressure : 19.0 bar (17.0 to 21.0 bar) / 323 °C
Extraction flow : 0 - 125 t/h
Pass out III (after LP-C-wheel, uncontr., blind) : 10.3 bar/263°C- max. 13.7 bar / 319 °C
Backpressure : 5.0 bar (4.4 to 5.5 bar) / 195 °C
LP-steam flow : approx. 130 t/h
Idling flow (backpressure operation) : approx. 26 t/h

ALTERNATOR

Manufacture : EKN
Type : 31,25 x 6,3 SSt
Output : 31,250 kVA

P.f. : 0.8
 Voltage : 6300 V +/- 5 %
 Current : 2864 A
 Speed : 3000 rpm
 Protection class : IP 55
 Isolation class (rotor/stator) : B/F
 Connections : dual star
 Cooling water inlet temperature : 24 °C - max. 32 °C
 Cooling water flow : max. 100 m³/h
 Excitation (compound) : 125 V - 955 A

EXCITER (Compound)

Type : UBDFE 30100-AA
 Voltage : 310 V
 Current : 619 - 1000 A

ORIGINAL PERFORMANCE FIGURES:

WHEN OPERATED AT 73.5 BAR / 490 °C LIVE STEAM, 19 BAR EXTRACTION PRESSURE AND 5.0 BAR BACKPRESSURE

Output at the terminals	25,000	22,900	15,400	kW
Steam flow	220.0	202.0	145.0	t/h
Extraction flow	90.0	92.0	70.0	t/h
Spec. steam consumption	8.80	8.82	9.42	kg/kWh

EFFICIENCY ALTERNATOR:

Load points	4/4	3/4	2/4	1/4
Efficiency %	97.7	97.4	96.7	94.4

SCOPE OF SUPPLY

- Turbine complete
- Alternator complete

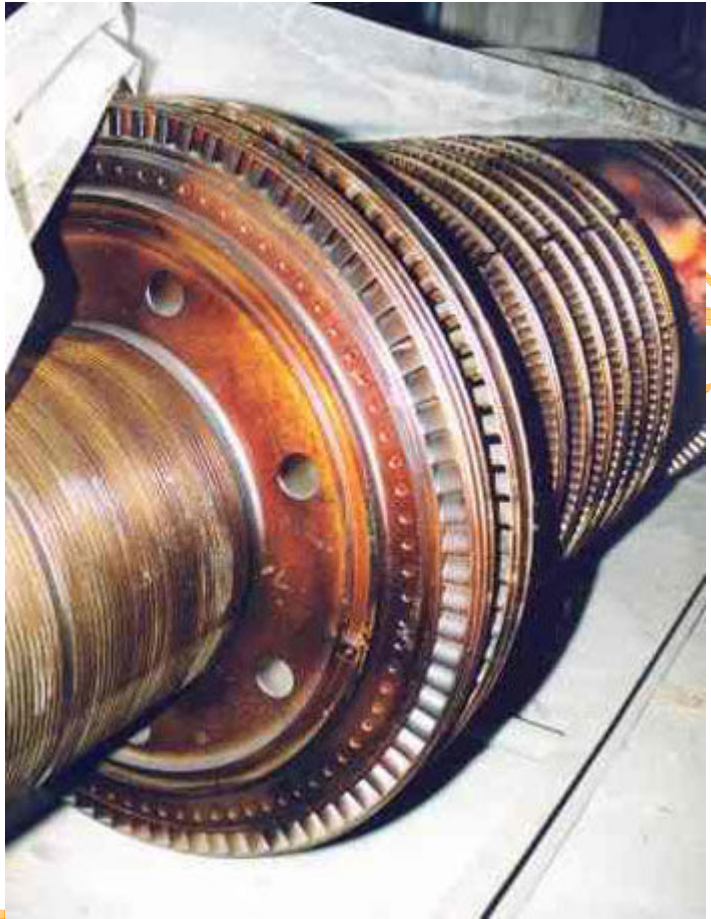
- Compound excitation
- Sole plates for turbine and alternator
- Oil unit complete with oil tank, oil pumps, oil coolers, oil filter, oil lifting pump, etc.
- Instrumentation, control and protection devices
- Available spare parts
- Available manuals, drawings and documentation

PRODUCT IMAGES :





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