

24.5MW Condensing Steam Turbine-Generator Set



Year of Manufacture: 2013

Condition: New, Unused.

Operating Hours: 0

Status: Installed

TURBINE:

Manufacturer:	Siemens
Model:	SST 400
Type:	Condensing
Economical Rating:	20,580 kWe
Maximum Continuous Rating:	24,560 kWe
Rated Speed:	4,460 rpm
Inlet Flow Rated / Maximum:	61,000 kg/h / 93,260 kg/h
Inlet Pressure Rated / Maximum:	46 bar abs. / 48.3 bar abs.
Inlet Temperature Rated / Maximum Continuous Rating:	400 °C / 408°C
Secondary Admission;	
Rated Pressure:	4.49 Bar abs.
Rated Flow:	10,256 kg/h
Rated Temp	260°C
Exhaust Pressure Rated:	0.071 bar abs.
Exhaust Temperature Rated:	39 C
Performance:	
Zero Secondary Admission:	
Inlet Flow:	93,260 kg/h
Inlet Pressure:	46 bar abs.
Inlet Temperature:	400 C
Exhaust Pressure:	0.071 bar abs.
Power:	23,900 kWe
Full Secondary Admission:	
Inlet Flow:	93,260 kg/h
Inlet Pressure:	46 bar abs.
Inlet Temperature:	400 C
Exhaust Pressure:	0.071 bar abs.
Power:	24,560 kWe

GEARBOX:

Manufacturer:	Lufkin
Input Speed:	4,500 RPM
Output Speed:	1,500 RPM

ALTERNATOR:

Manufacturer:	Brush
Rated Capacity:	30,900 KVA
Power Factor:	0.8
Speed:	1,500 RPM
Frequency:	50 Hz
Voltage:	11,000 v

CONDENSER:

Manufacturer:	Tema (India)
Type:	Water-Cooled (Surface)



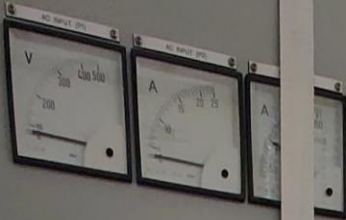








RECTIFIER



CORDLASH 105

STG

STG



P542
STG 120V
POWER SUPPLY

ERSKINE DC POWER

ERSKINE DC POWER



POWER

TEC
TECTION

CHA10

CHA10
STEAM TURBINE GENERATOR U740
GENERATOR PROTECTION
PANEL



STG



ATTENTION
ELECTRIC
EQUIPMENT

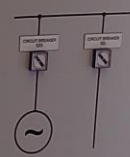


CBP10

CBP10
STEAM TURBINE GENERATOR U740
GENERATOR DISCHARGE
PANEL



STG



SIEMENS

STG 47



FD

cordstrap
AAR 77 Grade 5
MBS
4,000 JAHV / 8,000 JHF
4,000 JAHV / 4,000 JHF (US/UK)

RNING
RISK AND SHOCK HAZARD
TRY PPE REQUIRED
Electrical Safe Work
* Task Table for Contact PPE

CORDLASH 105

P732-3
EXTERNAL SMALL
DISTRIBUTION P...

STG

STG



PROTECTION

MS 1207





CGA10

STG

STG

STG

STG

STG

STG 7

STG 7

WARNING
ARC FLASH AND SHOCK HAZARD
CATEGORY PPE REQUIRED
Refer to Electrical Safety Work
Practices Task Table for Correct PPE

PRO
TEMPORAR

SIEMENS

BUY1

BUY10
STEAM TURBINE GENERATOR UT
DOWN DC MOTOR STARTER
EMERGENCY OIL PUMP
MOTOR STARTER

STG



MOTOR OFF



MOTOR RUNNING



STOP STOP



START STOP





PANEL A03

EARTHING FOR
REF. MISC

PANEL A03