

103893-MEC-1MOS-E-2006
Mechanical Turbine Maintenance Engineer

Holds a B. Sc. in Mechanical Engineering and has about 12 years hands-on experience working in maintenance, operation and start-up at Damanhour Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/01/1986
Gender : Male
Marital Status : Married
Residence : Damanhour

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2006

LANGUAGES

Arabic : Native Language
English : Very Good
French : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Acrobat Reader

TRAINING COURSES AND CERTIFICATIONS

: Thermal processes and equipment's in steam and gas power plant in West Delta Electricity Production Company (Aug. 2006 & Jul. 2007).
: Pumps maintenance in Alexandria Petroleum Maintenance Company (Aug. 2007).
: Vibration Monitoring Analysis, EAAC Training Group (Feb./Mar. 2007).
: Lubrication, EAAC Training Group (Feb./Mar. 2007).
: Courses in maintenance and operating gas and steam stations.
: Several courses in safety and safe operation methods.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2011 till now
Employer : West Delta Electricity Production Company (WDEPCo.)
Project : Damanhour Power Plant

Job title : Mechanical Turbine Maintenance Engineer

Job Description :

- TURBINE: ANSALDO Turbine 325MW (TCDF).
- PUMPS: Condensate / Feed water pumps (high pressure/multi-stages pumps full over hall maintenance supervision).
- Site Co-Ordination and supervision all mechanical job, and all activities, as per the required time frame and according to manufactures recommendations, (Ability to lead overhaul team to organize of works).
- Arrangement of Spare Parts & Material & necessary Special Tools & inventory, follow up and coordination machine shops inside and outside the plant, to meet the activities consideration.
- Guidelines for the job with, construction & technical drawings, documentation details of equipment. and computer-generated reports.
- Follow up the job orders (repairing-commissioning-installations-maintenance).
- Review service process and operations reports and decide a necessary action.
- Supervise and Manage the scheduled and life time extension outage planes on site for different components and of the Steam Turbines.
- Experience on turbine hot path inspection, Minor and Major overhaul jobs, familiar with all activity procedures and required technical reports.
- Investigation, Modification, Examining Equipment Performance Before and After Repairs, development and implementation of engineering solutions to meet specifications.
- Preparation for Non-Destructive Tests, Alignment facilities.
- Supervised the complete overhauls for vertical (cooling water, condensate) pumps.
- Supervised the complete overhauls for various horizontal pumps.
- I have also additional working knowledge in many systems like main steam, feed water circuit, cooling water, chemical treatment, and compressed air systems.
- Site Coordinator for:
 - MAJOR overhauling under the supervision of Ansaldo Energia S.p.a - Italy (from Nov. 2011 till Sep. 2012).
 - MAJOR overhauling for Boiler Feed Water Pump Turbine (8.8MW) executed by Ansaldo Energia S.P.a – Italy team (from Feb. till Apr. 2012).
 - Intervention for disassembly and reassembly H.P turbine for gland steam leakage (Oct. 2015).
 - LP Turbine overhauling, and Replacing Complete Stage executed by Ethos Energy – Poland team (from Nov. 2015 till Feb. 2016).

Dates : From Dec. 2006 till Apr. 2011

Employer : West Delta Electricity Production Company (WDEPCo.)

Project : Damanhour Power Plant

Job title : Shift Charge Engineer

Job Description :

- Coordination with the national control of energy in connecting and disconnecting the station switchyard to the unified grid 220KV, increasing and decreasing the unit load.
- Preparing for execution of work orders on the tasks of the unit by maintenance.

- Execution of instructions to start-up and shut down the unit for maintenance.
- Preserve the unit implements during operation or in any state of emergency.
- Prepare the daily power station reports.
- Boiler (BABCOOK WILCOX, Natural Circulation Boiler (1050 ton/h – 165 bar – 540 °C):
 - Boiler including - Economizer coils - Primary super heater coils - Secondary super heater coils - Reheat coils - Drum.
 - Two forced draft fan (2350KW) - Two gas recirculating fan (760KW).
 - Two air gas heaters - Two steam heaters - Furnace (16 Burners).
 - Fuel (Light oil & heavy oil and natural gas) Reboiler steam for heating heavy fuel oil.
- Turbine (ANSALDO Turbine 325MW):
 - Thermal cycle including.
 - Six closed heater and one open heater.
 - Two electric feed water pumps (216 bar – 650 ton/h).
 - One turbine feed water pump (216 bars – 1200 ton/h).
- Generator:
 - Rating power 422 KVA - Armature voltage 22KV.
 - Armature current 11073 A.
 - Frequency 50 H - Power factor 0.8 - Operating speed 3000 RPM.
 - Winding connection Y. - Field voltage static excitation.
 - Cooling by Hydrogen - Stator cooling water system.