

105430-MEC-1MS-E-2008
Maintenance Engineering Supervisor

Holds a B. Sc. in Mechanical Power Engineering and has over 13 years hands-on experience, including 10 years working in maintenance, operation, commissioning and start-up at West Damietta Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/06/1985
Gender : Male
Marital Status : Married
Residence : Currently Iraq

EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2008

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AMPLISSMA
: AutoCAD
: HAP 4.1 for Heating load calculation

TRAINING COURSES AND CERTIFICATIONS

: CMRP - Certified Maintenance and Reliability Professional (Feb. 2022).
: Maintenance & Reliability Professional Road map (Jan./Feb. 2022).
: Maintenance & Reliability Professional Road map (Feb. 2021).
: HRSG Maintenance AC boilers, Italy (Oct./Nov. 2016).
: MS9001E Gas Turbine-Generator Maintenance, Egypt (Nov. 2015).
: MS9001E Gas Turbine-Generator Maintenance, Belfort – France (Dec. 2014).
: Mark Vie controls Maintenance, Belfort – France (Nov./Dec. 2014).
: EX2100 maintenance, Belfort – France (Nov. 2014).
: MS9001E Gas Turbine-Generator Maintenance, Egypt (Jun. 2012).
: MS9001E Gas Turbine-Generator operation, Egypt (May 2012).

: Training at Damietta Combined Cycle Power Station (Aug. 2005).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2021 till now
Employer : SPM Oil & Gas Caterpillar Company
Project : Zubair Oil Field Power Plant - Basra, Iraq
Job title : Maintenance Engineering Supervisor (4x125MW Gas Turbine GE GT13E2)
Job Description :

- Responsible for the continuous running of equipment and machinery.
- Involved in control and monitoring devices and occasionally in the manufacture of items that will help in maintenance.
- Maintenance engineers work with other professionals in order to improve production facilities, reduce the incidence of costly breakdowns and develop strategies to improve overall reliability and safety of plant, personnel and production processes.
- Designing maintenance strategies, procedures and methods.
- Carrying out routine scheduled maintenance work and responding to equipment faults Diagnosing breakdown problems.
- Fitting new parts and making sure equipment is working correctly.
- Carrying out quality inspections on jobs.
- Liaising with client departments, customers and other engineering and production colleagues.
- Arranging specialist procurement of fixtures, fittings or components.
- Controlling maintenance tools, stores and equipment.
- Monitoring and controlling maintenance costs.
- Dealing with emergencies, unplanned problems and repairs.
- Improving health and safety policies and procedures.

Dates : From Nov. 2018 till Jul. 2021
Project : West Damietta Power Plant
Job title : Team Leader for the mechanical maintenance
Job Description :

- Maintenance of 8x125MW GE frame 9E gas turbines, water treatment plant, waste water treatment, compressed air system, fire fighting system and black start diesel generators.
- (Advanced Gas Path upgrade) to (4x125MW gas turbine GE frame 9E) by GE technical advisor with full crew:
 - Planning the AGP procedure.
 - Review the recommended spare parts were required to complete the AGP.
 - Review the required tools to be able to complete the AGP.
 - Engage in preparation of work plan for AGP.
 - Make the AGP according to GE procedure and technical information letters (TIL) of GE.
 - Taking the opening and closing clearances according GE procedure.
- (Combustion Inspection) to (4x125MW gas turbine GE frame 9E) by customer full crew with GE technical advisor:
 - Planning the CI procedure.
 - Review the recommended spare parts were required to complete the CI.

- Review the required tools to be able to complete the CI.
- Engage in preparation of work plan for CI.
- Make the CI according to GE procedure and technical information letters (TIL) of GE.
- Taking the opening and closing clearances according GE procedure.
- Routine activities:
 - Prepare and review the required spare parts for the scheduled maintenance (Combustion inspection, hot gas path inspection and major inspection for gas turbines and required spare parts for routine maintenance for BOP).
 - RCA of the main events and prepare the reports of RCA.
 - Prepare preventive maintenance plan for the turbines, its auxiliaries and BOP.
 - Prepare for the corrective maintenance regarding to operation notifications.

Dates : From Jun. 2014 till Oct. 2018

Project : West Damietta Power Plant

Job title : Mechanical Maintenance Engineer

Job Description :

- Maintenance of 8x125MW GE frame 9E gas turbines, water treatment plant, waste water treatment, compressed air system, firefighting system and black start diesel generators.
- (Hot Gas Path Inspection) to (4x125MW gas turbine GE frame 9E) by customer full crew with GE technical advisor:
 - Review the recommended spare parts were required to complete the HGP.
 - Review the required tools to be able to complete the HGP.
 - Engage in preparation of work plan for HGP.
 - Make the HGP according to GE procedure and technical information letters (TIL) of GE.
 - Taking the opening and closing clearances according GE procedure.
- Attend modifications for combustors of four gas turbine GE frame 9E from standard to DLN-1 by customer full crew with GE technical advisor:
 - Execute the CI procedure.
 - Review the recommended spare parts were required to complete the DLN upgrade.
 - Review the required tools to be able to complete the DLN upgrade.
 - Engage in preparation of work plan for the DLN upgrade.
 - Doing the DLN upgrade according to GE procedure and technical information letters (TIL) of GE.
 - Taking the opening and closing clearances according GE procedure.
- Attend commissioning of (fast track project 4x125MW gas turbine GE frame 9E):
 - Review the contract to achieve all contract benefits to my company.
 - Pre-commissioning & commissioning tests (hydrostatic tests, blowing, flushing...etc.).
 - Start-up of four gas turbines, mechanical tests.
 - Mechanical warranty responsible (coordination, investigation and repair).

- Routine activities:
 - Prepare and review the required spare parts for the scheduled maintenance (Combustion inspection, hot gas path inspection and major inspection for gas turbines and required spare parts for routine maintenance for BOP).
 - Execute the preventive maintenance plan for the turbines, its auxiliaries and BOP.
 - Execute the corrective maintenance regarding to operation notifications.

Dates : From Dec. 2011 till May 2014
Project : West Damietta Power Plant
Job title : Operation Engineer
Job Description :

- Work as Shift Charge Engineer.
- Attend commissioning of (4x125MW gas turbine GE frame 9E).
- Review the contract to achieve all contract benefits to my company.
- Pre-commissioning & commissioning tests (hydrostatic tests, blowing, flushing...etc.).
- Start-up of four gas turbines, mechanical tests.

Dates : From Apr. 2011 till Dec. 2011
Employer : CAIRO THREE A for heavy transport
Job title : Maintenance Engineer of trucks and diesel engines

Dates : From Oct. 2008 till Mar. 2011
Job Description : Worked as Reserve Officer at Air Force in workshop for repair the aircrafts as Maintenance Engineer for diesel engines.

Dates : From Jul. 2008 till Oct. 2008
Employer : Damietta Engineering Office for HVAC
Project : Teacher Syndicate and Teacher Hospital in Cairo
Job title : Site Engineer & Technical Office Engineer