

103977-MEC-1MOS-E-2006
Mechanical Maintenance Engineer

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

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/12/1978
Gender : Male
Marital Status : Married
Residence : Mahmoudia

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

- : NEM Training School, Hengelo, Netherlands: HRSG operation and maintenance.
- : Ansaldo Training School, Genova, Italy: Maintenance of gas turbine AE94.2 (168MW).
- : General Electric Company:
 - GE Gas Turbine 25MW Frame 5 Fundamentals for Maintenance & Operation.
 - GE Steam Turbine 58MW Fundamentals for Maintenance & Operation.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2015 till now
Employer : Middle Delta Electricity Production Co.
Project : Mahmoudia 336MW Simple Cycle Power Plant Project
(2 units ANSALDO AN94.2)
Job Description : Follow up works (installation, testing and commissioning).

Dates : From Sep. 2013 till Sep. 2015
Employer : REZAYAT GROUP (Saudi Arabian Engineering Company) (SAECO)
Project : Al-Khobar for frame (5, 6, 7)
Job title : Maintenance Engineer
Job Description : Gas turbine maintenance.

Dates : From Dec. 2007 till Sep. 2013
Employer : Middle Delta Electricity Production Co.
Project : Mahmoudia Power Station 300MW
(8x25MW gas turbines by GE, 2x58MW steam turbines by GE, 8 HRSGs by NEM, 220KV and 66KV Switchyard, Bailey Infi90 Distributed Control System updated by ABB Symphony Harmony DCS and Mark 2, Mark 5 by GE)
Job Description :

- Mechanical Maintenance Engineer for 8 gas turbines & 2 steam turbines with total load (312MW) (from Mar. 2011 till Sep. 2013).
- Operation Shift Leader Engineer (from Jan. 2010 till Mar. 2011).
- Operation Shift Engineer (from Dec. 2007 till Jan. 2010).

Field of experience :

- Technical Information Engineer:
Follow up works of Mahmoudia 336MW I Simple Cycle Power Plant Project, which is implemented by the Elswedy (PSP) and my work in the project including:
 - Acting as member of the tender committee responsible for technical evolution of the submitted offers for gas turbines.
 - Experience in performance monitoring, reporting & documentation, of the daily field execution works.
 - Preparation of technical reports.
 - Attending the regular meetings and prepare the minutes of meeting.
 - Management Adequate knowledge of technical terms.
 - Attending the project administrative works including materials, manpower and resources monitoring.
 - Capable to conduct site surveys, prepare metering installation /replacement project plan for monthly, weekly and daily execution of the project.
 - Receipt the mechanical submittals, preparing the technical comments and the official reply for the contractor.
- Mechanical Maintenance Engineer:
 - Plan and manage time and manpower for executing the annual and major overhauls and prepare overhaul work details for Mechanical Plants/Equipment with regard to Generation Units assigned.
 - Follow up plant spares and set track stock level so as to avoid shortage of spares during major overhaul of the plant for increased plant availability.
 - Prepare time schedule for gas turbine different overhaul and prepare reports after work.
 - Acting as member of the tenders committee responsible for technical evolution of the submitted offers.
 - Preparing the training modules for newly joined engineers.
 - Make overall major maintenance and take the different readings to prepare the maintenance reports for General Electric and Hitachi gas turbine units frame (5) & (6) and frame (7).

- Make hot gas path and Combustion chambers & fuel nozzle maintenance and take the different readings to prepare the maintenance reports for General Electric and Hitachi gas turbine units frame (5) & (6) and frame (7).
- Make overall major maintenance and take the different readings to prepare the maintenance reports for General Electric steam units 60MW.
- Prepare the gas turbine units to operate using liquid solar fuel instead of natural gas fuel and make overall maintenance for Roper flow divider distributor (10 stages).
- Make pumps maintenance and balancing.
- Make overall maintenance for condensate pumps multistage (10 stages), Vertical pumps and for Ansaldo steam control valve.
- Make require maintenance for travel screen and main cooling pumps, hydraulic power unite, air compressors and steam turbine auxiliaries such as ejectors, lubrication system and condenser.