

101582-MEC-CM-E-2005
Mechanical Construction & Maintenance Engineer

Holds a B. Sc. in Mechanical Engineering and has over 6 years hands-on experience working as Construction & Maintenance Engineer in Nubaria Combined Cycle Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/01/1983
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2005

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

TRAINING COURSES AND CERTIFICATIONS

- : Erection and commissioning of GE gas turbine, West Delta Electrical Production Company, El-Kureimat Power Station.
- : Basic maintenance on-site training of GE gas turbine (Frame 9FA), Nubaria (Apr./May 2009).
- : Maintenance training at STF Company for heat recovery steam generator at Magenta, Milano – Italy, for one month (2009).
- : One week training for fire fighting and industrial safety.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2006 till now
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Combined Cycle Power Station 750MW

- One module consists of:
 - Two General Electric (G.E.) CTG 250MW type MS9001FA
 - Two Horizontal STF HRSG
 - One ALSTOM STG 250MW (HP, IP, LP) turbine
- 500KV Switchyard
- Medium and Low Voltage Switchgear

- Job title** : Construction & Maintenance Engineer
- Job Description** :
- Welding and NDT:
 - Review welding Procedures Specification, Procedures Qualification Record and Welders Qualifications Tests with different welding processes (SMAW, GMAW and SAW).
 - Witness for the MT, RT, PT, Visual inspection in Pipe lines, turbines parts.
 - Review all Piping Skids Fabrication / erection inspection, post weld heat treatment survey and diagram check, Pneumatic and hydrostatic tests.
 - Field Experience:
 - Construction supervision on-site activates combined cycle power plant including: providing redesign solutions for the field Problems or changes.
 - Insuring implementation and adherence to project specifications and procedures.
 - Responsibility for monitoring piping construction and fabrication activities insuring quality and taking necessary actions to maintain satisfactory standards.
 - Preparing work packages with all design documentations and method statement for work permits approval.
 - Witnessing all field tests including hydro test and all NDT tests.
 - Reviewing all site work and prepare the punch list for the construction contractor.
 - Review all vendors' documentations to assure the compliance with the design and technical requirements.
 - Follow up all site mechanical construction activities for the contract.
 - Reviewing and revise all submittals with the contracts for two GE gas turbines and one ALSTOM steam turbine.
 - Attend Mechanical Activity Progress Meetings and make sure that site activities are in line with project schedule.
 - Material Inspection:
 - Conduct receiving inspection of all materials, inspection is based on project specification and relevant standards such as ASTM, DIN.
 - Review and verifies all the relevant materials certification to assure its compliance is based on project specification and applicable standards.
 - Review and approve MRR'S (material receiving reports).
 - Maintenance Experience:
 - Preventive Maintenance working of GE Gas Turbine.
 - Minor Inspection working for GE Gas Turbine (combustion inspection) in El-Kureimat Power Station (one unit), 2009.
 - Minor Inspection working for GE Gas Turbine (combustion inspection) in Nubaria Power Station (two units), 2010.
 - Make warranty inspection working for GE Gas Turbine in Nubaria Power Station (two units), 2011-2012.
 - Major inspection working for GE Gas Turbine in Nubaria Power Station (two units), 2012.

- Big foot modification for unit 3B (GE gas turbine), 2012.
- Other experiences:
 - Review and approve contractors' progress invoices.
 - Attending commissioning activities for two GE Gas Turbines.
 - Attending Chemical Cleaning and Steam Blow activities.
 - Receive, inspect and storage the spare parts of GE Gas Turbine.
 - Preparing and reviewing valves datasheets, pumps, vendor technical specifications to assure the compliance with the design and technical requirements.
 - Provide piping technical input To P&IDs including piping classes, valve types and special items.
 - Experience in using the following Codes & Standards such as ASME Sec. I, ASME Sec. II, ASME Sec. V, ASME B31.1, ASME B31.3.
 - Review QC Plan.
 - Punch List Preparation, Test Pack Review & Final Approval.