

103317-MEC-1CGMOS-E-2003
Mechanical Maintenance Engineer

Holds a B. Sc. in Mechanical Engineering and has about 14 years hands-on experience working in construction, maintenance, operation and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/11/1977
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Mechanical Engineering, Tanta University, 2003

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Gas turbine maintenance training, GE, Belfort, France (2 months).
- : Mechanical vibration and rotation machine, WDEPC, Abu Qir Power Station (2 weeks).
- : Gas turbine maintenance training, WDEPC, Nubaria Power Station (2 weeks).
- : Fire fighting sys., Initec, Nubaria Power Station (2 weeks).
- : Water treatment sys., Metito, Nubaria Power Station (2 weeks).
- : Overall the mechanical systems for HRSG, Initec, Nubaria Power Station (2 weeks).
- : Valve Maintenance, ATEC (3 weeks).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2014 till now
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Power Station (2x750MW)

- Job title** : Maintenance Engineer
- Job Description** : Work as a HRSG Maintenance Engineer, responsible for:
- All the routing and preventive maintenance activity.
 - Keeping the 4 HRSGs in reliable condition.
 - Inspection and receiving spare parts for contracts (INITEC & ALSTOM & TERMOMICHANIC & BOCARD).
 - Doing any required modification.
 - HRSG water treatment (sweage, potabable, deminlaization, waste and oil separator, phosphate, hyderazine dosing pumps).
 - Emergency diesel generator (output 1.5MW) consist of 12 cylinders.
 - Inspection and repair for all high pressure steam valves (gate, globe, knife, butterfly, ball and check valves) with different size.
 - Inspection and fix hp and lp (feed multi stages) water pumps.
 - Maintenance all equipments of fire fighting (all types of deluge valves (preaction, dry,....etc.), foam system, all types of pumps (diesel, electrical pump and jockey).
 - Make hydrostatic test for all underground pipes and for fire fighting pipes with Vendor.
 - Inspection hrsg (drums, pipes, deareator) for cracks and make treatment for all crakes.
 - Make mechanical maintenance for all actuators (pneumatic, motors and hydraulic).
 - Make maintenance of steam sample system.
 - Inspection and fix of vertical sump pump (golfs, ksp.....etc.) and recirculation preheated pump.
 - Maintenance of steam turbine (Mitsubishi 2x250MW).
 - Make inspection for all main steam valves of (hp, ip and lp turbines).
 - Make inspection of condenser and make plug any leakage pipes.
 - Make inspection and fix of (condenser vacuum, condensate, water box vacuum, Closed cooling, lubrication oil) pumps.
 - Make maintenance on service and instruments compressors.
 - Make major inspection on turbine inspection on bearings (journal and axial).
 - Inspection of hp, ip and lp blades (fixed and moving blades).
 - Adjust of clearance between (fixed and moving blades also between lyberances of stationary parts and rotor).
 - Make alignment of turbine's rotors.
 - Make minor inspection for Siemens CTG 250MW type V94.3.
 - Worked in chemical cleaning for burners, changing of ceramic tiles of combustion chamber, visual inspection & turbine & compressor blades.
 - Make hot gas path inspection for Siemens CTG 250MW.
 - Make warranty major inspection for steam turbine with Supervisor Mitsubishi Company.
 - Make alignment for shafts for steam turbine between HP and LP and Generator.
 - Check the axial & radial clearance for blades.
 - Follow up the maintenance activities for the steam and gas turbine (2x750MW).
 - Overhaul inspection pump house pumps and maintenance compressor and travel screen.

Dates : From Mar. 2018 till Apr. 2018
Employer : ORASCOM Construction
Project : Burullus 4x1200MW Combined Cycle Power Plant
Job title : Commissioning Engineer
Job Description :

- ORASCOM scope: pump house, over head cranes system, water treatment, fire fighting, sump pump, HVAC, Cooling tower.
- Hot commissioning phase for 4800MW Power Plant with scope of work related to BOP Commissioning & maintenance for related systems:
 - Fire fighting, sump pumps, potable I demin water distribution skids and all related under ground network.
 - Air compressor.
 - Overhead cranes.
 - Water treatment (RO, sewage, oil seperator, waste).
- Final walk down with client with reviewing P&ID and isometric drawing.
- Reporting to Commissioning Manager.

Dates : From Dec. 2015 till Jan. 2016
Employer : [EGYPTROL](#)
Project : MALAWY -TM2500 (2x25MW) Power Station
Job Description : GE Gas Turbines (TM2500 machine) Operator & Maintenance Engineer power generating unit (25MW).

Dates : From Oct. 2011 till Oct. 2014
Employer : AL-KHONAINI INTERNATIONAL CO. LTD. – KSA
Project : SEWAGE TREATMENT PLANT (C-TECH SYSTEM) & Water Plant
Job title : Construction Manager Engineer & Project Manager
Job Description :

- Mechanical Equipment / Piping Installation Construction Works and its Related Contracts.
- Preparing all kinds of reports.
- Received and inspection all equipment for two projects (WWTP) for NIARIYAH and QARYAH-OLYAH.
- Follow up for construction activities.
- Follow up everything with consultant (OSISS & ALYARDH & FUTURE).
- Follow for installation of pumping stations.
- Follow up of piping installation activities.
- Follow up everything regarding to fire fighting system and air condition.
- Following the ICC (Installation Completion Certificate) & CCC (Construction Completion Certificate) for the systems and partial.
- Project Manager for water plant in QARYAH-OLYAH.

Dates : From Dec. 2005 till Oct. 2011
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Power Station (2x750MW)
Job title : Maintenance Engineer
Job Description : Worked as a HRSG Maintenance Engineer, responsible for:

- All the routing and preventive maintenance activity.
- Keeping the 4 HRSGs in reliable condition.
- Inspection and receiving spare parts for contracts (INITEC & ALSTOM &

TERMOMICHANIC & BOCARD).

- Doing any required modification.
- HRSG water treatment (sweage, potabable, deminlaization, waste and oil separator, phosphate, hyderazine dosing pumps).
- Emergency diesel generator (output 1.5MW) consist of 12 cylinders.
- Inspection and repair for all high pressure steam valves types (gate, globe, knife, butterfly, ball and check valves) with different size.
- Inspection and fix hp and lp (feed multi stages) water pumps.
- Maintenance all equipments of fire fighting (all types of deluge valves (preaction, dry,....etc.), foam system, all types of pumps (diesel, electrical pump and jockey).
- Make hydrostatic test for all underground pipes and for fire fighting pipes with Vendor.
- Inspection hrsg (drums, pipes, deareator) for cracks and make treatment for all crakes.
- Make mechanical maintenance for all actuators (pneumatic, motors and hydraulic).
- Make maintenance of steam sample system.
- Inspection and fix of vertical sump pump (golfs, ksp.....etc.) and recirculation preheated pump.
- Maintenance of steam turbine (Mitsubishi 2x250MW).
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- Make inspection and fix of (condenser vacuum, condensate, water box vacuum, Closed cooling, lubrication oil) pumps.
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- Make hot gas path inspection for Siemens CTG 250MW.
- Make warranty major inspection for steam turbine with Supervisor Mitsubishi Company.
- Make alignment for shafts for steam turbine between HP and LP and Generator.
- Check the axial & radial clearance for blades.
- Follow up the maintenance activities for the steam and gas turbine (2x750MW).
- Overhaul inspection pump house pumps and maintenance compressor and travel screen.

Dates : From Oct. 2005 till Dec. 2005
Project : Nubaria Combined Cycle (2x1500MW) Power Station
Job Description : Operation Engineer for:

- Two modules, each module consists of:
 - Two Siemens CTG 250MW type V94.3A.

- Two horizontal Alston HRSG (125 bar, 565 °C, 325 t/hr).
- One Mitsubishi STG 250MW (HP, IP, LP) steam line (650 t/hr).
- 220KV switchyard.
- 500KV switchyard.
- Four Tie transformers 500/220KV.
- Medium and Low Voltage Switchgears.
- 8 outgoing circuits 220KV.
- 2 outgoing circuits 500KV.

Dates : From May 2004 till Jun. 2005
Employer : Reclamation of Land Arabic Company
Job Description : Was working in all maintenance and fixing the heavy transportation machines, cars, diesel engine and hydraulic pumps (for Caterpillar, Komatsso, Fiat, Hitachi and JCP).