

101716-MEC-M-E-2006
Senior Mechanical Maintenance Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 9 years hands-on experience working in maintenance field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/08/1984
Gender : Male
Marital Status : Married
Residence : Currently Kuwait

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
: EMPAC program

TRAINING COURSES AND CERTIFICATIONS

: Summer trainings at:

- El-Amria Company for Petroleum Refining (Jul. 2005).
- Suez Oil Company (Sep. 2004).
- ABB Automation Company (Aug. 2004).
- Egyptian Iron and Steel Company (Aug./Sep. 2003).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2013 till now
Employer : Ministry of Electricity & Water (Kuwait)
Project : Doha West Power Plant (8x300MW) MHI
Job title : Senior Mechanical Maintenance Engineer (steam turbine and auxiliaries)

Job Description :

- Plan and execute routine and annual maintenance of mechanical equipment at DWPS.
- 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.
- Carrying out overhaul maintenance for steam turbine and generator (300MW) MHI.
- Participation in Preparation & execution of (rehabilitation work of steam turbines and generators) at Doha West Power Station.
- Supervise and monitor the progress of all types of routine, breakdown and planned maintenance activities, so as to minimize down time for the equipment for increased plant availability.
- To order plant spares and set track stock level so as to avoid shortage of spares during major overhaul of the plant for increased plant availability.
- To assist in the preparation of technical specification for contract works and undertakes technical supervision of contractors.

Dates : From Nov. 2012 till Feb. 2013
Employer : Alstom Saudi Arabia Transport & Power Co. Ltd.
Project : SHOAIBA Power Plant Units 10 & 09
Job title : Steam Turbine & Generator Mechanical Engineer
Job Description : Carrying out overhaul maintenance for steam turbine and generator (400MW).

Dates : From Nov. 2007 till Nov. 2012
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : EL-KUREIMAT Steam Power Plant 2x627MW
Job title : Mechanical Maintenance Engineer
Job Description :

- Preparing lists of spare parts for safe operation.
- Preventive, corrective and emergency maintenance of mechanical equipment.
- Participation and planning for overhaul maintenance on the following equipment:
 - Centrifugal Air compressor:
 - Complete overall maintenance of centrifugal air compressor.
 - How to make adjusting clearance between impeller and diffusers.
 - Maintenance all equipment for centrifugal air compressor system.
 - Heat exchanger:
 - Maintenance shell & tube heat exchanger mechanical (cleaning all tubes).
 - Condenser maintenance.
 - Ball cleaning system and debris filter maintenance.
 - Pumps:
 - Complete overall maintenance of boiler feed turbine driven pump (Barrel pump, Multi-Stage, Centrifugal & diffuser type for high pressure and high temperature service (S.N 12 WNC 145 Ingersoll – dresser pumps - Italy).
 - Carried out overall maintenance for Vertical condensate water

pump (1746 m³/h, 26.83 bar & 4 stages Ingersoll – dresser pumps - Italy).

- Complete overall maintenance of open cooling pump (1690 M³/hr).
- Complete overall maintenance of service water pump (1000 M³/hr).
- Complete overall maintenance of sump pump and submersible pump.
- Rotary pumps (vertical, multistage, centrifugal pumps).
- Valves:
 - Maintenance (Gate, globe, butterfly, check, safety, needle, ball, etc.) valves.

From Dec. 2011 till Feb. 2012:

- Steam turbine generator:
 - Carrying out overall maintenance for steam turbine G.E. (627MW).
 - Carried out overall maintenance for boiler feed water pump turbine G.E. (7.5MW).
 - Carrying out overall maintenance for generator (S.N 280T306).
 - Main stop valve, control valve, combined reheat valve (stem Run out, make blue check between plug and seat and inspection for cracks).
- The experience which have accepted during over all maintenance:
 - How to make inspection for:
 - None-Destructive Tests for all turbine parts.
 - Bearing Inspection (Tilting pad and elliptical bearings).
 - Couplings (flatness & rabbet fit).
 - How to make open & close clearances for turbine parts (wheel, diaphragm, spill strip diaphragm packing).
 - How to make turbine Rotor run outs and measuring differential run out between Turbine Rotor Couplings and spacer coupling.
 - How to adjust bearing clearances (Tilt, Twist & pinch).
 - How to make Alignment for multi – Rotor Turbine for any rabbet fit coupling and spacer coupling.
 - How to putting balancing weight in any position rotors for (turbine & generator).
 - How to disassemble and assemble generator field.
 - How to dismantle stack parts & stack bolts.
 - How to make correct hanging for lift parts.
 - How to accurate measuring the clearance with all type of measuring tools.
 - How to keep and arrangement the dismantle parts until reassembly again.
 - How to leading with technicians & distribute work between them.

From Dec. 2009 till Apr. 2010:

- Steam turbine generator:
 - Carrying out overall maintenance for steam turbine G.E. (627MW).
 - Carried out overall maintenance for boiler feed water pump turbine G.E. (7.5MW).
 - Carrying out overall maintenance for generator (S.N 280T305).
 - Main stop valve, control valve, combined reheat valve (steam Run

out, make blue check between plug and seat and inspection for cracks).

Dates : From Apr. 2007 till Oct. 2007
Employer : The Greater Cairo Wastewater Project
Project : Helwan Wastewater Project (Pumping Station no. 1)
Job title : Mechanical Maintenance Engineer
Job Description : Maintenance and installation of centrifugal pumps (NIJHUIS) in a sewage pumping station.