

105401-MEC-1MOS-E-1994
Senior Turbine Maintenance Engineer

Holds a B. Sc. in Mechanical Engineering and has over 23 years hands-on experience working in maintenance, operation and commissioning at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Kafr El-Sheikh

EDUCATION

: B. Sc. in Mechanical Engineering, Menoufia University, 1994

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: SAP & Maximo

TRAINING COURSES AND CERTIFICATIONS

: Siemens GT operation & maintenance on site training for Gas Turbine and it's auxiliaries (Egypt - Nubaria Power Station).
: Siemens GT operation & maintenance training on Germany (SIEMENS factory).
: ALSTOM HRSG maintenance training on Indonesia (ALSTOM factory).
: Mitsubishi (MHI) Steam turbine on site training (Egypt - Nubaria Power Station).
: Maintenance and Repairing valves and pumps training (Egypt - Mahmoudia PS).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2015 till now
Employer : Middle Delta Electricity Production Co. (MDEPCO)
Project : Mahmoudia Power Station (GE 750MW combined cycle + Ansaldo GT 2x165MW SC)
Job title : Senior Mechanical Engineer for turbine mechanical maintenance

Job Description :

- Responsible mechanical department leader for executing the mechanical maintenance schedules, predictive, preventive and Routine Maintenance for ANSALDO GT & GE GT units and GE steam turbine and their auxiliaries.
- Maintaining & repairing of the power station Auxiliaries (BOP), pumps, air Compressors, condenser, lube oil and Hydraulic power unit ...etc.
- Accomplish all material receiving reports, construction work, site inspection and test plan, cleaning and flushing for all lines, completion all the work related to ANSALDO gas turbine auxiliaries.
- Accomplish the annual scheduled maintenance (CI, HGP and MI) for GT-GE /MS 5001P 8x25MW & Ansaldo GT92.4 = 2x165MW).
- Improve plant maintenance activities and operational, spare parts, manpower and inventory.

Dates : From Jun. 2013 till Dec. 2015

Employer : UAE – DUBAI – DEWA – JAPS

Job title : GT Mechanical Maintenance Engineer in M Station (6 GT units)

Job Description :

- I had been working for 2 years with DEWA for MMD-GT in V94.3A Siemens units in P2-M-station had worked with the OEM specialists and carried out the commotion and warranty period as owner Minor, HGPI inspections in planet 6 Gas turbine.
- I had accumulated vast experience in commissioning and mechanical warranty and following the maintenance activities during warranty period of Siemens V94.3A gas turbine unit's components.
- I have got quarter awards from UAE - DEWA: UAE - DEWA quarter award for project (Siemens GT ROTOR swapping for M station 2015).
- Accomplish all Preparation of spares/material, construction work coordination, site inspection and test plan.
- Accomplish all maintenance activities for Siemens GT and with advanced preparation of availability of required spares, tools, materials and manpower.
- Following-up on time delivery spares, tools & refurbishment CE orders & LPOs for GT maintenance and supervision of store inspections for quality-quantity as inventory management by SAP system.
- Supervision of In-house & outside tests of GTK tools inventory including EOT cranes for outage safety & audit preparation. Carryout, review and following risk assessments. Conduct toolbox talks and conduct safety tours & housekeeping inspection.

Dates : From Jun. 2011 till Jun. 2013

Employer : NEM

Project : Sidi Krir Combined Cycle Project (750MW)

Job title : HRSGs Warranty Site Manager

Job Description :

- Guaranty the components of NEM HRSGs against the malfunction defects if both the operation was done properly and the maintenance programs were done properly, otherwise the reports are sent to employer to show the responsibility of the defects.
- Managing on site the warranty claims that being closed after repairing or fixing or rejecting and documenting that by sending official letter to owner.

- Managing on site the punch items which closed after consult with head office.
- Managing on site the spare parts which consumed during warranty period by order to manufacturers.
- Full coordination between all parties to accomplish warranty issues with in safe and good quality.

Dates : From Nov. 2008 till Jun. 2011

Employer : UAE – DUBAI – DEWA – JAPS

Job title : GT Mechanical Maintenance Engineer in L2 & K Station

Job Description :

- I had been working for 2 years, since joining with DEWA for MMD-GT in V94.3A Siemens units and I had worked with the OEM specialists and carried out Minor, HGPI & Major inspections in planet 2 Gas turbine.
- I had accumulated vast experience in maintenance and repair of Siemens V94.3A gas turbine unit's components to keep base-load generation and with efficiently maintained gas turbine equipment under responsibility, with operating reliably for power generation. I had involved various technical initiatives that have resulted in substantial savings in the maintenance costs requirements of V94.3A units.
- I have got 2 quarter awards from UAE - DEWA:
 - UAE - DEWA Special Act Team quarter Award for project ('K' station GT Major inspection).
 - UAE - DEWA quarter award for Field Services - 4th Quarter 2011, DEWA.
- Accomplish all Preparation of spares/material, construction work coordination, site inspection and test plan.
- Accomplish all maintenance activities for Siemens GT and with advanced preparation of availability of required spares, tools, materials and manpower.
- Following-up on time delivery spares, tools & refurbishment CE orders & LPOs for GT maintenance and supervision of store inspections for quality-quantity as inventory management by SAP system.
- Supervision of In-house & outside tests of GTK tools inventory including EOT cranes for outage safety & audit preparation. Carryout, review and following risk assessments. Conduct toolbox talks and conduct safety tours & housekeeping inspection.

Dates : From Jan. 2007 till Nov. 2008

Project : Nubaria Power Station Combined Cycle (Siemens GT 250MW)

Job title : GT Maintenance Engineer for Siemens gas turbine 4x250MW

Job Description :

- Accomplish the annual scheduled maintenance (CI, HGP I) for Siemens GT94.3 (250MW).
- Performing root cause analysis with the goal to eliminate maintenance downtime.
- Improve plant maintenance activities and operational, spare parts, manpower and inventory.
- Putting the GTs in commercial operation comply with time schedule without delay.

Dates : From Jan. 2004 till Nov. 2007
Project : Nubaria Power Station Combined Cycle (1500MW)
Job title : Gas & Steam Turbine Shift Leader Operation Engineer
Job Description :

- Siemens gas turbine 4x250MW, ALSTOM HRSG (4 units) and Mitsubishi steam turbine 2x250MW.
- Shift Leader Operation of GE GT & ST - CC.
- Carry out all operation activities and driving the plant for stability production and high quality with implementing all safety rules.
- Coordinating and managing the work permits for varies activities of mechanical /electrical or I&C or new project modifications.
- Supporting and clearing the problems of varies fouls to the concerned department for quick and succeeded work stability.
- Diagnostic of trips & break down causes and Report all abnormal events.

Dates : From Jan. 2000 till Jan. 2004
Project : Mahmoudia Power Station
(GT (General Electric) 8x25MW frame 5-MS 5001P plus 2 Modules combined cycle each group of four GAS turbine equipped with vertical HRSG NEM & GE steam turbine rated 2x58.5MW)
Job title : Shift Operation Engineer
Job Description :

- Operation of GE GT & ST - CC (MK II).
- Operation Heat Recovery Steam Generator.
- Work as Shift Engineer (DCS).
- Carry out all the work permits, Diagnostic of trips & break down causes and Report all abnormal events.

Dates : From Aug. 1995 till Dec. 1999
Employer : Al Salam Industrial Co. (10th of Ramadan Industrial City), Egypt
(Industrial factory, hydraulic, work shop machines)
Job title : Leader of the Mechanical Maintenance department
Job Description :

- Leader of the mechanical maintenance department of the factory.
- Carry out all maintenance works for the injection hydraulic machines, pumps, compressors to keep factory productions continuous and high quality with good efficiency.
- I was nominated to travel to china and Taiwan for purchasing and inspection new hydraulic machines for the new line production.

Field of experience :

- Good knowledge and experience with varies maintenance / commissioning of the gas turbine machines with GT auxiliaries and power plant equipments, also managing of the spare part, tools and manpower requirements for all special outages or normal maintenances, Preparing estimated budget required for procurement spares, tools, mechanical services and others. Maintaining regular reporting and updates on the various technical issues. Good communication and coordination skills with other parties, preparation and monitoring and reporting of the technical work procedures and practices with comply the safety guidelines.
- Key Skills:
 - Specialist in Study, analyze and modify if required the technical

specification and conditions for the tender Gas Turbine contract package EPC.

- Achieving reviewing the technical documentation, drawing and P&ID.
- Accomplish material receiving reports, construction work, site inspection and test plan (ITP).
- Accomplish all maintenance activities for various gas turbine Siemens and GE.
- Coordinating equipment installations and maintenance.
- Initiating new mechanical projects and carrying them through to completion.
- Providing mechanical engineering and consultation services in diagnosis and solution of difficult operating and maintenance problems.
- Predictive, preventive and routine maintenance engineer for Gas turbines and auxiliaries including compressors, pumps, diesel start up motors / generators.
- Working closely with Production, Planning and other departments (Purchasing, operation, Maintenance, or outside vendors) to plan work activities.
- Writing and/or approving engineering specifications, designs, estimates, schedules, spare parts lists, quotations, requisitions, work orders, etc.
- Directing individual mechanical designers, mechanics, and maintenance supervisors.
- Quickly surpassed expectations in design & troubleshooting.
- Training less experienced engineers, maintenance supervision, and craft personnel.
- Preparing engineering reports and project status reports.
- Maintaining effective working relationships with peers, associates, and others at all levels.
- Experienced in general maintenance HVAC, compressors, pumps, valves and hydraulic / pneumatic systems.
- Always keeping myself abreast with latest technology.
- Always taken initiative and with the guidance of my seniors and comes with new ideas, concepts, alternative solution and suggestion for resolving difficult problems faced during maintenance and overhauls.