

102557-MEC-15CEMS-E-2012
Senior Mechanical Maintenance Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 11 years' experience, including 8 years working in mechanical maintenance & overhaul inspection for gas turbine, steam turbine, valves & centrifugal air compressors & horizontal & vertical and submersible pump.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/12/1989
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Mechanical Power Engineering, Assiut University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Construction safety and health: OSHA Academy safety and health training center.
- : General industry safety and health: OSHA Academy safety and health training center.
- : Steam turbine maintenance D202, GE.
- : GE Gas Turbine Operation & Maintenance on Frame 9E, GE.
- : GE Steam Turbine Operation & Maintenance on Frame D202, GE.
- : Bentley Nevada System 1 vibration analysis software by device VB7, GE.
- : Hyosung Boiler Feed Water Pump maintenance, Hyosung.
- : Solid Works, Assiut University.
- : Condition monitoring level 2, Egyptian Co.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2015 till now
- Employer** : Upper Egypt Electricity Production Co.
- Project** : West Assiut CCGT 1500MW 8 Gas Turbine Machine GE Frame 9E – 125MW and 2 GE Steam Turbine 250MW
- Job title** : Senior Mechanical Maintenance Engineer (Turbine section and auxiliaries)
- Job Description** :
- Responsible for corrective and preventive maintenance for equipment like pumps, compressors, valves, air cooling condenser, screw compressor, gas turbine, and steam turbine.
 - Change 6 gear box of air-cooling condenser (ACC).
 - Set up the full preventive maintenance for the power plant.
 - Adjust fan blade pitch angle for fin fan cooler.
 - Overhaul maintenance for horizontal pumps include change bearing and measure clearance.
 - Executing all routine maintenance of 8 x GE Gas Turbines (125MW each).
 - Attend the daily power plant morning meeting.
 - Maintaining all rotary equipment including but not limited to pumps, compressors, fans, blowers.
 - Routine maintenance of 2 x GE Steam Turbines (250MW each).
 - Leading the Mechanical Section and attending daily power plant meeting.
 - Execute mechanical maintenance in a safe and efficient manner for the whole plant equipment.
 - Maximize facility availability, reliability, efficiency.
 - Minimize losses and penalties.
 - Establish Outages plans and schedules in all details.
 - Establish full outages and inspections procedures (CI, HGPI & MI).
 - Monitor department engineers, technicians and workers with KPI System.
 - Review and keep focus on latest updates of all equipment manuals.
 - Setup and Following up maintenance procedures.
 - Responsible for workshop.
 - Be sure from availability and quality of tools.
 - Setup and update full Mechanical Preventive Maintenance and Predictive Maintenance plan.
 - Give instructions how to deal with emergency breakdowns.
 - Supervision of warehouse, stock level and availability of spare parts.
 - Contacting Vendors and Companies for ordering spare parts that matching best specifications at best price.
 - Provide technical specification for material order.
 - Analyze equipment failure and suggest methods for improvement for plant availability and reliability.
 - Contract analyzing and negotiation.
 - Process & Pipeline services (PPS).
- Dates** : From Nov. 2019 till Feb. 2020 (periodic inspection experience)
- Employer** : Upper Egypt Electricity Production Co.

- Project** : West Assiut CCGT 1500MW 8 Gas Turbine Machine GE Frame 9E – 125MW and 2 GE Steam Turbine 250MW
- Job title** : Minor Inspection Engineer
- Job Description** :
- Leading mechanical team for executing inspection.
 - Preparation both lay out area, consumable parts, special tools and working team for inspection.
 - Estimate schedule for inspection.
 - 12 CI outage for gas turbine frame 9E.
 - 8 HGP outage for gas turbine frame 9E.
 - Borescope inspection for gas turbine frame 9E with GE Company.
 - Coupling alignment for LP steam turbine (GE D202) and generator.
 - Participating in major purchasing committees deciding the strategic buys for the site.
 - Responsible for all spare parts handling and inventory.
- Dates** : From May 2015 till 2017 (commissioning & start-up experience)
- Employer** : Upper Egypt Electricity Production Co.
- Project** : West Assiut CCGT 1500MW 8 Gas Turbine Machine GE Frame 9E – 125MW and 2 GE Steam Turbine 250MW
- Job title** : Senior Mechanical Maintenance Engineer (Turbine section and auxiliaries)
- Job Description** :
- Following up construction and commissioning activities for:
 - 8 Units GE 9E Gas Turbine.
 - 2 GE Steam Turbines frame D200.
 - 8 Diverter Dampers.
 - 8 HRSG (Steel Structure, Piping, Stack & Casing).
 - Hydro tests for all Underground & Aboveground piping in the Power Plant.
 - Condensate and Feed water systems.
 - ACC (Air Cooled Condenser).
 - ACC Hot Cleaning.
 - HRSG Hydro-test.
 - HRSG Chemical Cleaning, and Steam Blowing.
 - Fin Fan Cooler System.
 - Service, Demi and Row System.
 - Final Inspections of Mechanical components and communicating the readiness for Final Inspection with QC.
 - Review/interpret engineering drawings, specifications, and other documents.
 - Make punch item and observation point for contractors and subcontractors.
 - Hand over equipment and make site test of equipment like (pump, compressors, valves, piping, and turbines).
- Dates** : From 2012 till 2015
- Employer** : CEMEX Cement Factory, Egypt
- Job title** : Technical Office Engineer
- Job Description** :
- Supporting maintenance department execution of maintenance in recreating design drawings.
 - Drafted shop drawing for spare parts manufacturing.

- Field of experience :**
- More than 8 years of experience in power plant.
 - Professional experience includes project construction, commissioning, start-up, maintenance (CI - HGP - Major - Minor and Overhaul) inspection for CCGT 1500MW 8 Gas Turbine Machine GE Frame 9E – 125MW and 2 GE Steam Turbine 250MW.