

Holds a B. Sc. in Mechanical Power Engineering and has about 11 years experience in Commissioning, Operation & Maintenance of Gas Turbine, HRSG, Steam turbine including BOP areas like Desalination Plant, Electro Chlorination Plant, Sea Water Intakes, H2 Generating Plant, Fuel Gas & Oil Treatment Station and Water Treatment Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/03/1983
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2006

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Pumps, Valves and Vibrations Analysis, conducted by El-Kureimat Training Centre.
- : Welding course.
- : On-shore training steam turbine 250MW operation by ALSTOM (Apr. 2010).
- : Successfully completed the operating training about CMI (HRSG) heat recovery steam generator and (BOP) balance of plant, in CMI Company Training Center in Belgium (Jun./Jul. 2009).
- : On-shore training of gas turbine GE model 9FA frame.
- : On-shore training by Intec Company in feed water pumps (May/Jun. 2009).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2014 till now
Employer : Arabian BEMCO Contracting Industrial Co. & GS E&C JV COMPANY

Project : PP#12 Combined Cycle Power Plant, KSA
(2050MW (8x168MW) GE 7FA.05 & (2x350MW) Alstom Steam Turbines with BOP)

Job title : Senior Start-up, Operation & Maintenance Engineer

Job Description :

- Pre-commissioning and commissioning for 8 gas turbines 7FA.05 – Mark Vie.
- Managed the daily workload of the mechanical engineering team.
- Ensured timely completion of start-up and commissioning activities for Intel's latest and most advanced semiconductor facility.
- Provided Engineering leadership to coordinate design, construction and commissioning activities.
- Start-up for frame 7FA.05 the frame from GE high performance high protection.
- Operation of 8 HRSG Alstom with Yokogawa control system.
- Operation of Alstom steam turbine 350MW.
- First fire for the frame and monitoring the performance and efficiently.
- Operating of the plant in normal operation.
- Assist the implementation of Log Out / Tag Out (LOTO) System in accordance with the company policies and procedures.
- Take regulatory action, based on readings from charts, meters and gauges, at established intervals.
- Take full responsibility for health, safety and environment by following all EHS requirements during work.
- Ensure that members of the operations team adhere to company rules.

Dates : From Jun. 2012 till Apr. 2014

Employer : TNB REMACO – KHARAFI NATIONAL – JV, O&M Company

Project : Shuaiba North Co-generation Power Plant Combined Cycle (1000MW (3x250MW) GE 9FA & (1x240MW) Toshiba Steam Turbines with BOP) – Kuwait

Job title : O&M Mechanical Engineer

Job Description :

- Preventive maintenance for 3 units frame MS 9FA – Mark VI.
- Operation of gas turbine GE frame MS 9001 FA – Mark VI.
- Operation of Hyundai HRSG 350 TON/Hr - ovation control system.
- Operation of steam turbine Toshiba 215MW.
- Operation of centrifugal gas compressor (Atlas Copco TP-10/10) 4MW - 45 Ton/HR - 33 discharge pressure.
- Performing and presenting all gas turbine tests.
- Monitoring turbines, generators, transformers, all motors, pump and all plant equipment's.
- Ensure operations related activities are performed in compliance with company standards and regulations.
- Involved in commissioning activities of combined cycle power plant.
- Performing troubleshooting for simple cycle.
- Assist MSF Desalination plant to improve the performance of the plant.

Dates : From Feb. 2007 till May 2012

Employer : Upper Egypt Electricity Production Co.

Project : El-Kureimat III Power Plant Combined Cycle (750MW)

Job title : Start-up & Operation Engineer

- Job Description** :
- Commissioning and operation for 2x250MW GE Gas Turbines frame MS 9001 FA controlled by Mark VI Control with hydrogen cooled generators, 2 CMI HRSG, all of Auxiliaries & BOP.
 - Monitoring generators, transformers, all motors, and pumps and all plant equipment's.
 - Safe start-up and shutdown operation.
 - Fast acting in emergency cases.
 - Involved in HRSG commissioning work.
- Field of experience** :
- Proven track record of handling commissioning, operation and maintenance of GT, HRSG, STG and all BOP systems, troubleshooting through logics as per operation condition.
 - Excellent skill in PTW & LOTO system, doing Isolation and Normalization of power plant equipments by following PTW & LOTO. Performing mechanical preventive maintenance for whole power plant's equipments based on Vendor manuals with proper yearly plan and documentation systems.
 - Skilled in efficiently making request to Warehouse department for timely availing all the required O&M Tools, spares and consumables. Preparing daily Plant Operation and Defect reports.
 - Highlights:
 - Work as Operation in charge for overall Power Plants. Leading the all O&M activities from CCB and field for over all Plant commissioning, Start-ups, Running, Shutdown activities including Preventive and Corrective maintenance.
 - Managed operations & maintenance of:
 - 2050MW Combined Cycle Power Plant.
 - Fuel Gas Treatment Systems, Filtering Station, Gas Chromatograph, Metering Station, Water Bath Heaters, Fuel Gas Compressors (Atlas Copco) and Pressure Reducing Stations.
 - Fuel Oil Treatment Systems like Fuel Unloading, Storage Tanks, Filtering & Fuel Pumping Stations.
 - Instrument Air and Service Air System (Atlas Copco) and over all plant air network system.
 - Central Lube oil Purification Station GT & ST Lube Oil; Nitrogen Gas Generator System.
 - Overall Plant Fire Protection Network System like FM200, CO2, Foam and Fire Water System.
 - Black Start Diesel Generators (CAT 13.8KV).
 - Handle switching of High (400KV, 380KV and 13.8KV), Medium (6.6KV, 4.16KV) and Low voltage (480 & 380 V) switch gears by HSBT, Automatic transfer, Manual Hot transfer, Operation of UPS & Battery Chargers.
 - Prepare the Mechanical periodic maintenance schedule for all the equipments in the power plants like Turbine, HRSG, pumps, fans, blowers, heat exchangers and compressors etc. based on vendor's O&M manuals and execute in a good manner with appropriate consumables, inventory logs and maintain good PM/CM records.
 - Follow very high standard PTW & LOTO system by assessing the site condition and risk factors in order to run the plant without any small interruption and also prevent man & machine damages

- during execution of any works inside the plant.
- Prepare and send daily operation, PM/CM schedule, maintenance reports, alarms, defects, fuel consumption, water generation & consumption, work orders and incident reports to the client and management.
 - Prepare operation and maintenance procedures for all the plant equipments from vendor documents and give necessary training and instruction to the subordinates to follow and execute the systematic work for safe and smooth operation of the plant.
 - Carry out TOC, RT & HGPI for GT, HRSG and STG and preparing the necessary related documents.
 - Conduct daily internal O&M department meetings to discuss about yesterday issues, today activities and future plans for the commissioning plant.
 - Proficiently lead the daily meetings from operation side with client, construction and commission teams and sub-contractors.
 - Take decisions and doing necessary action during emergency & Critical conditions in order to save man & machines; assign, guide and monitor the Daily O&M activities.