

100601-MEC-18OS-E-2007
Senior Fuel Production Planning Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 10 years of experience in flawless preparation of Performance reports, Power & Water production operation & commissioning and maintaining the utmost confidentiality.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/09/1985
Gender : Male
Marital Status : Married
Residence : Currently Dubai, UAE

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D & 3D
: Primavera
: SAP

TRAINING COURSES AND CERTIFICATIONS

: IMS Internal Auditing, Integrated Management Systems, Bureau VERITAS, Dubai.
: IOSH, Safety Management, HSE Council, Dubai.
: Project Management Professional (PMP), PMI, Zabeel Institute, Dubai.
: Art of Management, Swiss Institute (E-Learning) (Oct. 2012).
: Lean Six Sigma Yellow Belt certified (Quality Academy - Egypt).
: Steam turbine training: Description and operation of steam turbine (ALSTOM) for Talkha 750MW Power Plant.
: Description and operation of combined cycle and HRSG design (CMI).
: Fire fighting systems: Description, operation and recommended maintenance of the systems, Firex Middle East.
: AutoCAD "IBM Certification".

- : Combined Cycle fundamentals and operation systems training, Power Plant Training Centre (PPTC).
- : Summer trainings at:
 - Mansoura Fertilizers Company (Aug./Sep. 2005)
 - Gasco (Jul./Aug. 2006)

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2013 till now
- Employer** : DUBAI ELECTRICITY AND WATER AUTHORITY, UAE
- Job title** : Senior Fuel Production Planning Engineer
- Job Description** :
- To assist as Verifier to ensure the Operation Procedures and Plant Operating manuals meets.
 - Assist with verifying Site Specific procedures and Implement continuous improvements.
 - Analyze data, calculate test results, diagnose and evaluate testing issues and lead development of corrective actions as needed.
 - To collect, monitor & analyze KPI data and prepare monthly, quarterly & annual KPI report in time. To release uncorrected & corrected monthly KPI reports by 2nd & 4th week of next month.
 - Monitor and maintain daily fuel stock as per the fuel management strategy.
 - Incorporate the comments received from various departments.
 - Plant "Gas turbine, Steam Turbine & Desalination Units" Performance Management.
 - Improve thermal performance by Increasing output, improving heat rate, reducing emissions & Performance monitoring.
 - Fuel budget preparation & procurement.
 - Expected Fuel Surcharge for various demand scenarios was calculated.
 - Computation of liquid fuel (MFO & DFO) requirement to meet Gas shortfall.
 - Unit commitment.
 - Maximized reliability & Availability.
 - Maintain Plant Operating Manual & Operation Standards webpage up to date and improve usability.
 - Support Energy Manager in standardizing processes and documentations related to Energy Audits and Projects.
 - Analyze energy consumption and identify energy savings opportunities and make recommendations to achieve more energy efficient operation.
 - Carry out engineering technical reviews, identify and develop cost reduction opportunities.
 - Analyze technical data and recommend support solutions.
- Dates** : From Jan. 2011 till May 2013
- Employer** : DEWA (Dubai Electricity and Water Authority), UAE
- Project** :
- 5x135MW (Siemens 94.2) Gas Turbine.
 - 5x340 ton/hr Main WHRB.
 - 5x340 ton/hr (Austrian Energy) Auxiliary Boiler.
 - 2x75MW (Ansaldo) Steam Turbine.

Job titles :

- 9x17.5 MIGD MSF (WEIR WESTGRATH-UK) desalination units, @ sea water temperature 30 °C and 105 °C TBT.
- RO Plant.
- Senior Operation Engineer "Jebel Ali G.STN"
- Acting Assistant Shift in Charge Engineer "Jebel Ali G.STN"

Job Description :

- Preparation units for start-up and performing necessary checks before unit starts, checking auxiliaries (Pumps, fans, air and fuel gas compressors).
- Monitoring units during operation and maintain continuous synchronization and safely shutdown.
- Observation unit and it's auxiliaries during operation and supervising local operators to insure solving any appearing problems.
- Analyzing local periodic readings for the unit operation characteristics which could indicate some coming problems before it takes place.
- Recording operation history during shift to be available whenever needed.
- Raise work requests to maintenance departments through maximo.
- Participation in the review of P&ID's and control strategies in view of start-up and safe operation of process plants.
- Prevention of hazardous conditions for personnel and equipment.

Dates : From Mar. 2010 till Dec. 2010
Employer : CMI (Cockerill Maintenance & Ingénierie)
Project : El-Kureimat Power Plant
Job title : Commissioning & Operation Engineer
Job Description :

- Commissioning & Start-up of HRSG-Horizontal leading to a safe and stable operation of process plants.
- Participation in the review of P&ID's and control strategies in view of start-up and safe operation of process plants.
- Maintain an individual work record and notebook.
- Reviewing and commenting on operating manuals and start-up procedures.
- Responsible for personal quality control.
- Be involved in direct supervision of craft labor.
- Use and supervise the use of precision measuring hand tools, hydraulic bolt stretchers, and other industrial tooling and equipment.
- Performance and reliability tests.
- On load and no load tests.
- Operability of each part automatically and also manually.
- Prevention of hazardous conditions for personnel and equipment.
- Assisting the Plant Engineer with the training of the customer's personnel in the operation of the plant.

Dates : From Nov. 2007 till Mar. 2010
Employer : Middle Delta Electricity Production Co.
Project : Talkha Power Plant Combined Cycle (750MW):
 2x250MW Gas turbine Siemens Units model V94.3A & 250MW Steam turbine ALSTOM Unit & HRSG Skoda & CMI.
Job titles :

- Shift Charge Operation Engineer (from May 2008 till Mar. 2010)
- Shift Operation Engineer (from Nov. 2007 till May 2008)

- Job Description** :
- Participation in the review of P&ID's and control strategies in view of start-up and safe operation of process plants.
 - Participate in construction, commissioning, steam blow, By-pass Operation and start-up of ALSTOM DKYZZ3-2N41C (250MW) steam turbine and CMI HRSG.
 - Operation of SIEMENS V94.3A (2x250MW) gas turbine - T-2000 control system - and associated auxiliary through DCS.
 - Operation of ALSTOM DKYZZ3-2N41C (250MW) Steam Turbine.
 - Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
 - Performing the unit startups and shutdowns per assigned targets.
 - Act as first response to emergency situations, take appropriate steps to stabilize the problem as much as possible while simultaneously informing the supervisor and other parties as indicated in the procedures to safeguard the system and possibly personnel, Perform daily routine check and Communicate with NCC to control the loads so as to face the Load Demand.
 - Trouble shooting, effective response to emergency conditions and compliance to safety procedures.
 - Diagnose and resolve day-to-day operational problems.
 - Operability of each part automatically and also manually.
 - Prevention of hazardous conditions for personnel and equipment.
 - Performance and reliability tests.
 - Raising defects for equipment & doing isolation and de isolation procedures according to the work permit.
 - Handling plant firefighting.
 - Perform high/medium voltage switching operations.