

105221-ELE-1OS-E-2003
Lead Start-up & Operation Engineer

Holds a B. Sc. in Electrical Power Engineering and has about 17 years hands-on experience working in Power Plants operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/11/1979
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power Engineering, Cairo University, 2003

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Operating training about Heat Recovery Steam Generator and BOP (4 weeks) (Jun./Jul. 2009) by CMI, Belgium.
- : Generator protection, Generator maintenance by Siemens, Germany.
- : Defensive driving, Ghazlan Power Plant, Saudi Electricity Company, KSA.
- : ABB Symphony plus operating system, Ghazlan Power Plant, Saudi Electricity Company, KSA.
- : Operation of BOILER (Babcock - WILCOX) of El-Kureimat (I).
- : Operation of Steam Turbine 2x627MW (GE) of El-Kureimat (I).
- : Operation of SIEMENS Gas Turbine V94.3A of El-Kureimat (II).
- : Operation of GE (9 FA) gas turbine 250MW of El-Kureimat (III).
- : Operation of Steam Turbine 250MW (Hitachi) of El-Kureimat (II).
- : Operation of HRSG by CMI of El-Kureimat (II).
- : Power transformer maintenance and testing by UPEEC training sector.
- : Power transformer maintenance and testing by Egyptian Electricity Holding Company, Network Training Center.
- : Safety and Firefighting rules of UEEPC Training Center.

: Leadership and Risk Management, Techint Engineering and Construction Co.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2017 till now

Employer : Techint Engineering & Construction Company

Project : South Helwan 3x650MW Supercritical Thermal Power Plant

Job title : Lead Start-up & Operation Engineer

Job Description :

- Familiar with plant O&M agreements, P&IDs, SOPs, Work instructions, Operation and control logics, emergency operation procedures, as well as regulatory requirements and any other related documents.
- Ensure that the plant is operated to the established standards with minimum risk to men, machine and materials, comply with safety and environmental standards.
- Ensure safe execution of all pre-commissioning and commissioning activities through the application of PTW procedure and LOTO procedure.
- Take part in project planning & scheduling; prepares and keeps up-to-date the pre-commissioning, commissioning, start-up and test run execution plan with the assistance of the commissioning manager.
- Prepare the Preventative maintenance inspection Schedule.
- Prepare the pre-commissioning, commissioning and take over procedure with the assistance of commissioning superintendents.
- Prepare commissioning dossiers.
- Support the commissioning manager in organizing the vendor activities at site.
- Update the progress of pre-commissioning and commissioning activities.
- Support pre-commissioning and commissioning activities.
- Coordinate with all other Contracts all activities that are related to plant operations and comply with safety rules and regulations.
- Maintain staff evaluation records, vacation schedules etc. prepare evaluation forms for personnel requirement. Coordinate with security, admin and another supporting department as and when required.
- Assist in the training and familiarization of new personnel.
- Study and suggest for any modifications which can improve the plant efficiency.
- Implement, monitor and report IMS objectives, Targets and program.
- Report deviations in Integrated Management System identify root cause and implement corrective and preventive actions.
- Ensure regulatory compliance with respect to their scope of activities.
- Ensure identification of root cause for the identified non-conformances / deviations and to implement corrective actions/Preventive actions.
- Identify the competency gap for their subordinate personnel and implement necessary actions.
- Carry out periodic performance evaluation of reporting employees.
- Support training hour's program for the owner as per the contract.
- Support H2 generation plant commissioning with vendor.
- Support closing Punch items in the end of the project.

Dates : From Sep. 2013 till Sep. 2017
Employer : Saudi Electricity Company (SEC)
Project : Ghazlan #2 Mitsubishi Thermal Power Station (4x664MW), desalination units (3 multi-stage flash evaporator units, 4000 m³/day for each unit), Auxiliary boiler 48 t/h capacity
Job title : Senior Power Plant & Desalination Operator
Job Description :

- Monitoring turbine, boiler and BOP condition during normal operation through DCIS (symphony +2.0) control system.
- Following proceeding for unit cold and hot start-up.
- Following proceeding for unit normal and forced cooling shut down. Controlling unit during abnormal operating condition (load rejection, runback.... etc.).
- Perform daily and weekly testing for all equipment.
- Monitoring and analysis alarms and abnormal conditions.
- Control Room Operator for desalination units (3 multi-stages (20 stages) flash evaporator units, 4000 m³/day for each unit).
- Perform other duties as assigned.

Dates : From Sep. 2011 till Sep. 2013
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : EL-KUREIMAT (II) POWER STATION COMBINED CYCLE 750MW
Job title : Senior Power Plant Operator
Job Description :

- Supervising and monitoring the Gas Turbines during Normal operation, start-up and Shutdown programs.
- Looking after the remote and local readings to prepare the daily load and operation reports.
- Implementing the planned unit's operation programs per the start-up & shutdown procedure.
- Following up the project erection, commissioning and start-up during the project construction phase.
- Perform other duties as assigned.

Dates : From 2008 till Sep. 2011
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : El-Kureimat Thermal Power Station (2x627MW) GE Turbine and Generator, Babcock Boiler
Job title : Power Plant Shift Charge Engineer
Job Description :

- Preparing monthly and annually generation information reports and KPI reports, Issues the maintenance requests and follow up the executing work permits with the maintenance team, studying and improving unit's efficiency, studying and analyzing the unit major problems, Training the new staff.
- Ensure that the plant is operated to the established standards with minimum risk to men, machine and materials; comply with safety and environmental standards.
- Follow preset operational schedules to fulfill the targeted production availability safely and efficiently. Coordinate all activities or changes in plant status with operations manager.
- Make quick, on the spot decisions to correct abnormalities or

disturbances. Take corrective actions during a state of emergency. Supervise the start-up checklist; interlock checks, protection tests, non-routine activities like preservation, acid cleaning etc.

- Monitor the overall status of the plant and summarize activities in the log book. Fill daily plant status reports and relay all activities that occurred during my shift.
- Upon authorization, issue work permits for maintenance section involved. Have a complete understanding of the permit to work system procedure applied to the plant. Issue and cancel permits to work per authorization. Normalize the equipment after release and perform necessary testing to check the equipment or system after maintenance.
- Prepare incident / accident reports and other reports required by the departments and submit to the concerned authorities within stipulated time. Keep accurate records on all activities performed in the plant on regular basis.
- Assist in the training and familiarization of new personnel in the shift.
- Study and suggest for any modifications which can improve the plant efficiency.
- Provide on-the-job training to new employees and evaluate their OJT Performance.
- Control emergencies, incidents and near misses.
- Perform other duties as assigned.

Dates : From 2005 till 2008
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : El-Kureimat Thermal Power Station (2x627MW) GE Turbine and Generator, Babcock Boiler
Job title : Senior Power Plant Operator
Job Description :

- Follow the instructions of the Shift Supervisor / Shift in Charge.
- Follow standard operating procedures and work instructions.
- Assist in the training and familiarization of new operators.
- Monitoring turbine, boiler, BOP and auxiliary's behavior.
- Following proceeding for unit cold and hot start-up.
- Following proceeding for unit normal and forced cooling shut down. Controlling unit during abnormal operating condition (load rejection, runback, ...etc.).
- Monitoring and analysis alarms and abnormal conditions.
- Perform daily and weekly testing for all equipment.

Dates : From 2004 till 2005
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : El-Kureimat Thermal Power Station (2x627MW) GE Turbine and Generator, Babcock Boiler
Job title : Field Operator Engineer
Job Description :

- Follow the instructions of the Shift Supervisor / Shift in Charge and CCR Operator.
- Familiar with plant P&IDs, SOPs, Work instructions, basic control logics as well as the emergency operation procedures and any other related documents.
- Monitor all parameters at local and enter periodic readings on log sheets.

Summarize all activities/events that took place during my shift in the log book.

- Inspect the area and auxiliaries during the shift to make sure that all equipment parameters are within limits. Report abnormalities to the CCR Operator / Shift Supervisor / Shift in Charge.
- Perform equipment change over according to preset schedules. Raise work requests or defect notes for faulty equipment.
- Coordinate with CCR Operator / Shift Supervisor / Shift in Charge for isolating and lining up the equipment and system before and after maintenance. Maintain a tidy housekeeping in the work area and ensure clean up after maintenance work.
- Follow standard operating procedures and work instructions.
- Assist in the training and familiarization of new operators.
- Report near misses and implement prescribed risk controls.
- Report deviation in Quality, Health, Safety and Environmental Management System.
- Perform other duties as assigned.