

Holds a B. Sc. in Chemistry and has about 13 years hands-on experience working as Chemist. Responsible for operation and monitoring of all utilities including boiler.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/07/1984
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Chemistry, Alexandria University, 2007

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

- : Training for operation of Desalination plant.
- : Training for operation of Boilers (NEM, GS and Hitachi).
- : Training for operation of Demineralization and waste water treatment (METITO and Nalco).
- : Training for operation of Electro chlorination system (De Nora).
- : Training for operation of Hypochlorite (METITO).
- : Training for operation of Boiler water treatment (NEM).
- : Training for operation of Sewage, waste treatment (METITO).
- : Training for operation of oil purification system.
- : Training for operation and start-up of sample system (ABB).
- : Training for operation and start-up of sample system (SWAN).
- : Training for operation and start-up of continuous emissions monitoring (CEMS) (ABB).
- : Specialist occupational health and safety from Cultural Foundation Egypt.
- : Training program in steam and boiler water analysis, preservation for boilers, Corrosion Protection and chemical cleaning for boilers.

: IELTS band score 7.5.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2019 till now
Employer : EPROM
Project : ERC
Job title : Utility Panel Operator
Job Description : Operate the following units:

- Boilers (3 boiler x 100 ton/h capacity Honeywell System) with chemical injection system.
- Operation of several types of turbine (steam turbines).
- Wastewater treatment package (Daf system, dehydrator, ozone, clarifier, aeration, thickener, chemical treatment, filtration system).
- Raw and demin water treatment units (RO 6*100ton/h capacity, UF, RUF, MIXED BED DEMIN 3*135 ton/h, Activated carbon, polisher system, sand filters 8* 160 ton/h, Daf system).
- Cooling tower units (seven fan and capacity 22000 ton) with chemical package injection system and 3d trazar system.
- Air compressors system (Steam driven and Motor driven).
- Nitrogen System (loading and unloading with our vessels only not production).

Dates : From Apr. 2011 till 2019
Project : SIDI KRIR POWER PLANT, Alexandria, Egypt
(consists of 1x750MW combined cycle unit and 2x320MW thermal units)
Job title : Utility Panel Operator
Job Description : Selected Accomplishments:

- Operation of Boilers Yokogawa system and including (chemical cleaning, passivation & chemical feed dosing system open cooling and closed cooling).
- Operation of Demineralized water treatments plant (5*63 m3/h - strong acid/strong base mixed beds).
- Operation of different types of desalination units (RO and MSF UNITS).
- Operation of Air compressors.
- Operation of Sewage and wastewater system.
- Operation of Electro chlorination system (2 *100 m3/h 2*2.5 g/l generators).
- Operation Condensate Polisher system (3 mixed beds & 3 cation beds).
- Monitoring of Cems (continuous emission monitoring system).
- Ensure effective implementation of safety, o&m and approved sop.
- Maintain safety, health and environmental requirements.
- Operation of all rotating equipment (centrifugal pump and other pump).

Dates : From 2009 till 2011
Project : Sidi Krir Power Plant 750MW COMBINED CYCLE UNIT
Job title : Commissioning Panel Chemical Engineer
Job Description :

- Make all tests for the new instruments and equipment used in the operation.

- Commissioning, Steam Blow, Acid cleaning, passivation and Performance tests for Sidi Krir 750MW Combined Cycle Project.
- Developed pre-commissioning & commissioning and start-up for all about the module project (demin system & condensate polisher system & hypochlorite system).
- Safe and efficient operation of the plant to deliver high levels of commercial availability within environment limits.
- Delivery of a high-quality water production in accordance with the PWPA agreement.
- Ensure that efficiency and availability targets are effectively communicated and achieved.
- Effective liaison with the Chemistry Manager / Chemists over plant chemistry issues.
- Deliver outcomes, in all areas of work, consistent with the Quality, Health, Safety and Environmental policies.
- Participate in internal / external Quality, Health, Safety and Environmental audits.
- Assist towards ensuring that all procedures, documentation, drawings and manuals are kept up to date and necessary training is completed in a timely manner.
- Ensure commitment to training programs for both individual development and operational competence, and assist towards the development of other staff.
- Communication and cooperation between the Chemistry Manager and chemical teams.
- Supervise the chemical helpers and manage time effectively.
- Ensure the availability of chemicals all the time.
- Ensure the chemical tanks are prepared all the time.

- Field of experience :**
- Shift Chemist at Sidi Krir Power Plant from 2009 till 2019.
 - Responsible for operation and monitoring of all water treatment plant including boiler treatment.
 - Make all chemical lab tests for water and oil.
 - Skills:
 - Chemical processing.
 - Water Treatment Operator.
 - Wastewater treatment.
 - HRSG.
 - Cooling system.
 - POWER generation.
 - DCS Operator.
 - Desalination (Msf & Ro).
 - Hydrogen production.