

102551-CHE-18MOS-E-1996
Chemist (Operation, Lab & Maintenance)

Holds a B. Sc. in Chemistry and has over 27 years of progressive experience in commissioning, start-up and operation which related to industrial projects such as Power Generation, water treatment, wastewater treatment, Sewage treatment and Chemical laboratory.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/01/1972
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Chemistry, Cairo University

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Onshore operation and maintenance training for Cairo West Power Station (unit 7 & 8) Water and Waste Water treatment for one month by METITO Company.
- : Offshore training program for Cairo West Power Station Water and Wastewater treatment and pump technology and the use and maintenance of chemical pumps (Jun./Jul. 2010) by METITO in Germany and Italy.
- : Training on all laboratory device such as SHIMADZU Atomic Absorption.
- : Training on treatment of boiler water by Cairo West Power Station.
- : Training on Air pollution and emission by Cairo West Power Station.
- : Operation and maintenance training for potable water plant.
- : Training on operation and maintenance of SWAS system (steam water analysis system) in Cairo West Power Station.
- : Training on HRSG chemistry chemical cleaning and preservation.
- : Training on chemical cleaning process.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2009 till Jan. 2023
Employer : Cairo Electricity Production Co.
Project : Cairo West Power Project (units 7 & 8) (2x350MW)
Job title : Chemist (Operation, Lab & Maintenance)
Job Description :

- Handed over all the water treatment systems from METITO Company after finishing all the reliability tests and performance tests.
- Follow up reliability tests and performance as per contract for pre-treatment, dematerialized condensate Polisher & Chemical feed & Waste systems and it is dosing of chemicals and making required analysis to adjust quality.
- Perform Calibration curve and analysis for double beam Spectrophotometer.
- Perform Calibration Curve and analysis for Atomic Absorption Spectroscopy.
- Perform operation and Calibration of all bench top analyzer as oil Content Karl Fischer & visible Calorimeter & PH meter & Conductivity meter and Turbidity meter.
- Follow up operation and maintenance of two air-monitoring shelters.
- Follow up operation and maintenance of stack CEMS (Continuous Emissions monitoring system).
- Follow up the efficiency of Oil Transformer.
- Follow up closed cooling dosing system.

Dates : From Mar. 1996 till Sep. 2009
Employer : Cairo Electricity Production Co.
Project : Cairo West Power Project (units 5 & 6) (2x300MW)
Job title : Operation Chemist
Job Description : Maintaining Safe and Efficient operations for the following:

- Pre-treatment clarifier & MM filters & Carbone filters and demineralization mixed beds.
- Condensate polisher systems.
- Chemical injection systems and required chemical analysis.
- Sodium Hypochlorite injection systems.
- Wastewater treatment facilities, Oil / Water separation units.
- Manage all the chemistry programs required to maintain boilers water/steam systems in the limits.
- Provide annual budget for chemistry operations.
- Natural Gas and Fuel Oil quality.
- Follow up the Transformer Oil quality.