

**105980-CHE-18MOS-E-2016**  
**Senior Operation & Maintenance Chemist**

Holds a B. Sc. in Chemistry & Geology and has over 7 years experience working as Commissioning / Operation / Maintenance Chemist at Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 26/07/1993  
Gender : Male  
Marital Status : Married  
Residence : Currently Iraq

## EDUCATION

: B. Sc. in Chemistry & Geology, 2016

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

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

## TRAINING COURSES AND CERTIFICATIONS

- : At Assiut Power Station 2x320MW (Jul. 2015):
- Overview of the company system and the processes control.
  - Overview of the demineralization water plant.
  - Overview of the chemical laboratory.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Sep. 2022 till now  
**Employer** : Mass Group Holding  
**Project** : Besmaya CCPP 4500MW, Baghdad – Iraq  
**Job title** : Senior Operation & Maintenance Chemist  
**Job Description** : Operation & Maintenance of the following:

- Water treatment plant 150 M3 per hour include:
  - Three MMF units.
  - Three ACF units.
  - Three RO units.

- Three EDI units.
- Water bath heater system.
- Closed cooling water system.
- Two cooling tower system.
- Three oil separator system.
- Preservation of HRSG during shut down.
- Gas turbine evaporation system.
- Waste water system.
- Operation of Dr. Thieding SWAS instruments.
- Chemical dosing system include:
  - Ammonia.
  - Trisodium phosphate.
  - Hydrochloric Acid.
  - Sulphuric Acid.
  - Sodium hypochlorite.
  - Sodium bisulphate.
  - Antiscalant.
  - Sodium hydroxide.
  - Multi-purpose inhibitor.
  - Oxygen scavenger.

**Dates** : From Feb. 2022 till Sep. 2022  
**Employer** : Avax Group  
**Project** : Besmaya CCPP 4500MW, Baghdad – Iraq  
**Job title** : Senior Commissioning Chemist  
**Job Description** : 
 

- Hydro test analysis of HRSG.
- Chemical cleaning of HRSG and condensate system.
- Steam blow analysis of HRSG.
- By pass operation.
- Normal operation for steam turbine.
- Preservation of HRSG and Condensate system.
- Flushing of closed cooling system.
- Preservation and analysis for closed cooling system.
- Commissioning and operation of Dr. Thieding SWAS instruments.
- Commissioning and operation of chemical dosing system.

**Dates** : From Oct. 2020 till Feb. 2022  
**Employer** : Veolia Water Technologies  
**Project** : Assiut Supercritical Steam Power Station 650MW  
**Job title** : Commissioning Chemist  
**Job Description** : Operation and Commissioning:
 

- UF units' system 2x125 m3.
- RO units' system 2x100 m3.
- CEDI units' system 2x65 m3.
- Chemical dosing system.
- Waste water and Air heater system.
- Oily waste system.
- Sludge dewatering system.
- Chlorination system.

- Condensate Polisher System.

**Dates** : From Oct. 2017 till May 2020  
**Employer** : ORASCOM CONSTRUCTION  
**Project** : Assiut 1500MW CCPP  
**Job title** : Commissioning Chemist  
**Job Description** : 
 

- Water analysis of Hydro Test for HRSG.
- Chemical cleaning of HRSG and condensate system.
- Water analysis during steam blow.
- Bypass operation for HRSG.
- Operation and commissioning for SWAS.
- Operation and commissioning for dosing unit included Ammonium hydroxide pumps and Tri sodium Phosphate pumps.
- Steam purity control during Normal operation of steam turbine.
- Water analysis of closed cooling system.

**Dates** : From Nov. 2016 till Oct. 2017  
**Employer** : ELSEWEDY ELECTRIC PSP  
**Project** : Beni Suef 4800MW CCPP  
**Job title** : Commissioning Chemist  
**Job Description** : 
 

- Operation and commissioning for dosing unit included ferric chloride pumps, hypochlorite pumps, polymer pumps and sulfuric acid pumps.
- Operation and commissioning for dewatering include (decanter system, sanitary water system and thickener).
- Operation and commissioning of (clarifier, intake system and distribution chamber).
- Operation and commissioning for Resin demineralization water plant 2x15 m3/h.
- Operation and commissioning for UF, RO and CEDI demineralization water plant 2x30 m3/h.