

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.