

100591-MEC-1CY-E-2015

Mechanical Equipment Engineer

Holds a B. Sc. in Mechanical Engineering and has over 3 years hands-on experience working in equipment installation, commissioning and maintenance at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 11/01/1992
Gender : Male
Marital Status : Single
Residence : Kafr El-Sheikh

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2015

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD, HAP, Elite, DuctSizer, EES and SynerGEE Gas

TRAINING COURSES AND CERTIFICATIONS

: MEP (HVAC - Fire Fighting - Plumbing) Systems course (Jul. 2019).
: Hydraulic and Pneumatic Circuits (Sep. 2014).
: Summer trainings at:

- Arab Petroleum Pipelines Co. SUMED (Jul. 2014).
- Sidi Krir Power Station (Aug. 2013).
- Aboukir Engineering Industries Co. (Jul. 2013)
- CO-OP Petroleum Co. (Jul. 2013).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2019 till Jun. 2020
Employer : Al-Hashemiah International Contracting Co.
Project : Cairo West Power Plant 650MW
Job title : Mechanical Equipment Engineer

- Job Description** :
- Responsible for all mechanical equipment (CP-118) activities as per approved drawings, vendor recommendations and safety rules to ensure the work is executed according to the project specifications and the time schedule.
 - Installing all rotating and static equipment such as condensate pumps, feed water pumps, closed cooling pumps, compressors, fans, heat exchangers, heaters, tanks, gas separator and hydrogen plant equipment.
 - Installing two auxiliary steam turbines, leveling, blue check and alignment.
 - Assembling and Installing all pump house (firefighting, circulating, service and raw) pumps.
 - Leveling, pre-alignment and final alignment all rotating equipment.
 - Adjusting the rotor of all vertical pumps and checking the impeller clearance.
 - Performing preservation activities for various types of equipment.
 - Performing the mechanical pre-commissioning activities (lubrication, installing packing and filters, final inspection, flushing, solo & load tests and vibration analysis).
 - Collaborating with the commissioning team in the mechanical activities.
 - Supervising and carrying out punch list activities.

Dates : From Jan. 2017 till Apr. 2019

Employer : Orascom Construction Co.

Project : Al-Burullus 4800MW CAPP

Job title : Mechanical Commissioning Engineer

- Job Description** :
- A part of the commissioning team responsible for pre-commissioning, commissioning and maintenance activities of balance of plant systems (BoP) such as compressed air, firefighting, pump house equipment, water treatment, demi water, potable water, HVAC and hydrogen generation systems.
 - Supervising equipment installation, leveling and alignment and all related mechanical works.
 - Checking the mechanical completion (P&ID) of the systems.
 - Following up and carrying out the hydro, pneumatic, flushing, air blowing, gravity and spray tests.
 - Performing pre-commissioning activities such as lubrication, installing filters, cleaning and purging.
 - Commissioning and start up equipment such as pumps, compressors, fans and hydrogen plant with vendors.
 - Carrying out all testing activities throughout all stage of commissioning (load test, performance test).
 - Operating, monitoring, repairing faults and ensuring the system is operated to its specification.
 - Carrying out preventive maintenance plans and troubleshooting also reporting it.
 - Collaborating with the operation and maintenance staff and providing field support.
 - Carrying out punch list activities and solving of outstanding punch points.

Skills:

- Ability to work and co-ordinate with cross functional teams and handle multiple tasks at once.
- Good mechanical commissioning experience on power stations balance of plant systems.
- Well-versed with planning and managing mechanical activities on site.
- Experience of working with vendors and multi-national project teams.
- Ability to attend work meetings, write all kind of work reports and dealing with the client.
- Familiar with works including method statements, risk assessments and safety rules.