

101843-MEC-1OS-E-2012

Commissioning & Start-up Operation Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 9 years experience working in operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : El-Behira

EDUCATION

: B. Sc. in Mechanical Power Engineering, Aswan University, 2012

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D, 3D

TRAINING COURSES AND CERTIFICATIONS

: Training course of compressor and fan with Cameron Company.
: ICDL

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2020 till Nov. 2021
Employer : China Energy Engineering Group Jiangsu No.1 Electric Power Construction Co. Ltd Construction and Engineering
Job title : Commissioning & Start-up Operation Engineer
Job Description :

- Support commissioning team during testing of equipment and systems according to work procedure.
- Unit preparation before start-up (cold - warm - hot).
- Start-up/Shutdown Procedure.
- Secure mechanical team maintenance work during unit on load operation.
- Reporting the unit and equipment condition to operation team leader and commissioning manger.

- Periodical equipment change over procedure.
- Follow up with the technical office about the equipment condition such as (lubrication, Working hours, bearing inspection, ...etc.).

Dates : From May 2018 till Jan. 2020
Employer : Techint Construction and Engineering
Job title : Commissioning & Start-up Operation Engineer
Job Description :

- Support commissioning team during testing of equipment and systems according to work procedure.
- Unit preparation before start-up (cold - warm - hot).
- Start-up/Shutdown Procedure.
- Secure mechanical team maintenance work during unit on load operation.
- Reporting the unit and equipment condition to operation team leader and commissioning manger.
- Periodical equipment change over procedure.
- Follow up with the technical office about the equipment condition such as (lubrication, Working hours, bearing inspection, ...etc.).

Dates : From Jun. 2017 till May 2018
Employer : AC Boiler (formerly Ansaldo Caldaie) - [EGYPTROL](http://www.egyptrol.com)
Job title : Commissioning & Operation Engineer
Job Description :

- Commissioning for (diverter damper seal air fan-condensate pre-heater system - HP & LP system).
- HRSG chemical cleaning.
- HRSG steam blow out.
- HRSG test (runback test - house load test - load rejection test - performance test - reliability).
- Dealing with the unit trip conditions or HRSG trip conditions even the unit is in simple cycle mode.
- Decide the isolation procedure for the gas turbine, HRSG, or the steam turbine in outage for inspection or overall maintenance.
- Writing reports about troubles and decide the isolation procedure for the equipment in case of maintenance during normal operation according to safety operation rules.
- Dealing with 220KV circuit breakers with the national dispatch center.

Dates : From May 2016 till Jun. 2017
Employer : Hyundai Heavy Industries & Construction
Job title : Commissioning & Start-up Operation Engineer
Job Description :

- Receiving the system from QC (quality control) and construction.
- Commissioning (closed cooling water system, condensate system, feed water system, boiler chemical cleaning, boiler flushing, turbine lube oil flushing, steam blow out) as well as steam turbine operation through understanding of industrial safety practice.
- Professional for using DCS, ABB, YOKOGAWA & SCHNEIDER.
- Scheduling the procedure of the different systems.
- Preparation and execution of the pre-commissioning and commissioning

tasks.

- Supervision of the planning works in advance.
- Motor heat-run, system flushing, blow-out, chemical cleaning and restoration works.
- Starting of the systems with data sheet references.
- Work in partnership with english speaking workers.
- Familiar with fire-fighting system especially in large power plants.
- Unit start-up with a new system same as (selective catalytic system).
- Fuel gas de-sulfurization and electro static precipitator to reduction BOx.

Dates : From Sep. 2015 till May 2016
Employer : AC Boiler (formerly Ansaldo Caldaie) - [EGYPTROL](#)
Job title : Commissioning Engineer
Job Description :

- Commissioning for (FDF, GRF, sealing & cooling air fan, RAH).
- Boiler chemical cleaning.
- Commissioning and preparation for fuel oil system (solar oil, mazout oil, gas).
- Boiler cooling water flushing.
- Fire-fighting system flushing.

Dates : From May 2014 till Aug. 2015
Employer : Doosan Heavy Industrials & Construction Company
Job title : Start-up Operation Engineer
Job Description :

- Preparation air & gas system, cooling & sealing system, mazout system, fuel additive system, steam air heater system.
- Boiler start-up (cold - warm - hot) with start-up curve & shutdown with shutdown curve.
- Boiler change over fuel (gas to mazout) during normal operation.

Dates : From Feb. 2013 till Mar. 2014
Employer : Techint Construction & Engineering Company
Job title : Start-up Operation Engineer
Job Description :

- Start-up Operation Engineer for auxiliaries systems same as auxiliary boiler, closed cooling system, service water system, circulating water system, mazout oil system, air compressor system.
- DCS Operator for auxiliaries systems from control room.