

106628-MEC-14CVXY-E-2015
Mechanical Static / Piping Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 7 years experience working in construction and piping.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/05/1992
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Mechanical Power Engineering, Al-Azhar University, 2015

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Control Diploma, Artronix (Nov. 2014).
- : HVAC (self-study) (Aug. 2015).
- : Training at International Alexandria Airport - Alex Petroleum Co. in internal combustion engine – turbines – pumps (Aug. 2014).
- : Training at Maintenance Section, Egyptian Petrochemicals Co. (Sep. 2013).
- : Training at West Delta Electricity Production Co. in Power Station, Gas, Steam, Combined Power Plants (Aug. 2013).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2020 till now
Employer : Petrojet
Project : Midor Refinery Expansion
Job title : Mechanical Static / Piping Engineer

Dates : From Jan. 2020 till Sep. 2020
Employer : UNICON
Project : Gas Burner Cooling Air Unit at Cairo West Power Plant
Job title : Mechanical Static / Rotating / Piping Engineer

Dates : From Jan. 2019 till Dec. 2019
Employer : EL-NOUR
Project : Rehabilitation of Cairo West Power Plant Boiler 5 & 6
Job title : Mechanical Static / Rotating / Piping Engineer

Dates : From Jan. 2016 till Dec. 2018
Employer : EL-NOUR
Project : West Damietta Power Station 750MW
Job title : Mechanical Piping Engineer

Field of experience :

- Summary:
 - Mechanical Construction Engineer with 7 years of experience in new construction, Shutdown and Revamp fields for: Equipment (Static/Rotating), steel structure and piping in oil and Gas, refinery and power station.
 - Installation and alignment (Pre- and Final) of Rotating Equipment such as Horizontal/Vertical Pumps, Compressors, Air pre-heaters, Mixer, Overhead cranes and Conveyors.
 - Static Equipment installation and alignment as Cooling Towers, Distillation Columns, Internal Trays, Pressure Vessels, Filters, drums, silencer, Stack, incinerator, Silos, and Skid Mounted Equipment as per International Standards Vendor requirements.
 - Piping erection procedures and all related work activities such as fit up, as built, PWHT, NDT, hydro test, ...etc.
- Area of experience:
 - SDs (engineering survey / revamp execution for static equipment & tanks / Piping tie-ins, demolish then add new lines).
 - Piping Engineer (SDs / new construction).
 - Steel Structure installation.
- Duties as Mechanical Engineer in SDs:
 - Assist engineering department for surveying the static equipment, tanks and pipes.
 - Assist engineering department for surveying internals for static equipment in partial shutdowns.
 - Review last revision of Documents related to project such as GA DWGs, Isos, and project's MS, Procedure to ensure working according to it and reply with report for survey.
 - Execute scaffolds, make pre-inspection for equipment, tanks and pipes.
 - Execute piping tie-ins in existing pipe lines to add new lines regarding to engineering survey and according to project documents.
 - Follow up check-in, cutting, fit-up, welding, inspection, installation and check-out.

- Duties as Piping Engineer:
 - Review last revision of Documents related to project such as Isos, and project's MS, Procedure to ensure working according to it.
 - Work and be sure that work in site occurs according to last revision of documents.
 - Prepare scaffolds and bring spools, supports to site with as built drawing if required.
 - Review drawing, specifications, method statements and QC procedure.
 - Make daily reports for welded joints, spools erection, ...etc.
 - Walk down and clear punches.
- Duties as Steel Structure Engineer:
 - Review project specification, steel structure standard drawing.
 - Shim pad and Pre-installation inspection: review the foundation release note report, foundation is cleaned and shipped, shim plate is clean, undamaged and number of anchor bolts and projection of threads.
 - Torque and snug tight: torque all joints with its torque value per bolt diameter as per project specs.
 - Cladding works: snug tight of purlins and side girts which sandwich panel and roof cladding set on it, check if it was damaged cladding, installation of gutter support, gutter, down spots, and flashes and trim (gable, corner, ...etc.) and sequence of installation.
 - Final inspection: all member is not damaged erected correctly according to last revision of drawing, stairs, ladders, handrail, grating, removable grating and shaker plates.