

100828-MEC-16CDEHK-E-2013
Senior Mechanical Technical Office Engineer

Holds a B. Sc. in Mechanical Engineering and has about 7 years hands-on experience working in all phases of multimillion-dollar power construction plant and banks HVAC systems, experience includes work in design HVAC system (residential and commercial), prepare heat load calculation (HAP), prepare drawings for projects (CAD), prepare selection for equipment by software programs or catalogs, prepare bill of quantities for projects, prepare AC equipment schedules, reviewing technical documentation, subcontractor invoices, material control and following progress and job site leader.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/01/1989
Gender : Male
Residence : Qalubia

EDUCATION

: B. Sc. in Mechanical Engineering, Cairo University, 2013

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Design and calculations of central air condition and Firefighting systems.
: Human Development Diploma.
: AutoCAD
: OSHA Construction.
: Solid Works
: Cranes, Lifting and Rigging Training program (ORASCOM HSE).
: HAP (Hourly Analysis Program)
: Duct Sizer and Pipe Sizer.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2016 till now
Employer : Orascom Construction Industries Company
Project(s) : Assiut Combined Cycle Add-On Power Plant 500MW (Second Stage) / Assiut Combined Cycle Power Plant 1500MW Service Building (Third Stage)
Job title : Senior Mechanical Technical Office Engineer
Job Description :

- Assiut Combined Cycle Power Plant 1500MW Service Building (Third Stage):
 - Technical Office Engineer for HVAC contractor.
 - Shop drawings preparation.
 - Preparation of BOQ.
 - Preparation of Materials Takeoff.
 - Contacting suppliers and get offers for estimating.
 - Preparation of materials submittals.
 - Communications with consultants and clients for technical approvals.
- Assiut Combined Cycle Add-On Power Plant 500MW (Second Stage):
 - Installation HVAC system in the plant that consists of (14) buildings which have different equipment's.
 - Material Control Engineer of GE Material.
 - Design and supervision on the installation of the pressurization skids of the steam turbine module (1x & 2x).
 - Three months Site Engineer, responsible for diverter damper erection.
 - Three months Site Engineer, responsible for Installation piping systems with its supports for 5 systems.

Dates : From Apr. 2015 till Feb. 2016
Employer : New Matco for Engineering and General Contracting Company
Project : Assiut Simple Cycle Add-On Power Plant 500MW (First Stage)
Job title : Site Mechanical Engineer
Job Description : Installation all HVAC systems in the site (19) buildings which have different equipment's such that (8 package units – 120 ventilation fans – 30 tons Duct Work – 90 split units).

Dates : From Apr. 2014 till Mar. 2015
Employer : Cool Way for Engineering and General Contracting
Project : El Baraka Bank
Job title : Site & Technical Office Mechanical Engineer
Job Description :

- Making design calculation of the building by HAP program.
- HVAC design drawing & shop drawing.
- Making Calculation & selection of (Air ducts, Air outlets, fans, Air handling units).
- Making as built drawing for HVAC and firefighting systems.
- Installation Chilled water system in the site which have different equipment's such that (2 chillers – 30 ventilation fans – 50 tons Duct

Work – 40 split units – 5 Pumps).

- Field of experience :**
- For the Mechanical Technical Office Engineer (my scope: HVAC and Firefighting Systems):
 - Prepare requests for information (RFI) for all missing, unclear, conflicting or other technical matters that may arise during construction.
 - Studying and making a full co-ordination between standard drawings and HVAC and firefighting work installation drawings and find any problems or conflicts and making the required proposals to solve them.
 - Coordinate drawing HVAC and firefighting with related Electrical, Civil, and piping drawing to avoid upcoming conflicts.
 - Study the datasheets for different material requirement based on the design drawings.
 - Issue Purchase request to the procurement team, Follow up the material deliverables.
 - Control handing over requesting Material to the site.
 - Preparation of takeoff for overall project quantities.
 - Monitor the progress on site and prepare a monthly report on the progress of the assigned project.
 - Aware of all Equipment's if (Erectable or not according to SMACNA) and the Ability to control & handling the materials (Package Units, Exhaust and supply Fans, and split Units) to Site.
 - Liaising with clients and a variety of professionals including architects and subcontractors.
 - Revision and submission of the as-built drawings for a Mechanical package.
 - Following up the Mechanical punch list with the client representative and assuring the completion of work at the site.
 - Preparation of Site mobilization.
 - For the Mechanical Site Engineer:
 - Day-to-day management of the site, including supervising and monitoring the site labor force and HVAC and Firefighting Systems activities on site.
 - Ensuring projects meet agreed specifications, budgets, and timescales by monitoring progress on site.
 - Acting as a main technical adviser on construction site for subcontracts.
 - Ensuring that health and safety and sustainability policies and legislation have adhered.
 - Responsible for all finishing work for all executed buildings.
 - Liaising with clients, subcontractors and other professional staff
 - Preparing site reports and filling in other paperwork.
 - Preparation of takeoff for Overall Project Quantities.