

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 14 years hands-on experience working as Technical & Design Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/01/1981
Gender : Female
Marital Status : Married
Residence : Nasr City, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2003

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: Visual Basic

TRAINING COURSES AND CERTIFICATIONS

: PMP Preparation course.
: Matlab 6
: AutoCAD
: Electrical installation:

- Load Calculation.
- Design of distribution board.
- Feeding system.
- Cable system tray & cable.

: Power Management System: Load calculation & Energy conservation.
: Design of power systems using MATLAB Program.
: Summer trainings at:

- ABB AUTOMATION.
- ABB ARAB.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2003 till now
- Employer** : Misr Elec. & Mech. Industries CO. (MEMICO)
- Job title** : Technical Study & Sales Engineer
- Job Description** :
- Study Specification of Project to determine protection Device needed.
 - Determine functional unit as (circuit breaker, contactor, thermal overload, protection relay, accessories required) according to IEC standard.
 - Determine size of copper bus bar & cables required.
 - Determine dimension of panel (width, height, depth) to install suitable functional unit.
 - Prepare Shop drawing for installation activities.
 - Determine price of panel.
 - Projects:
 - Terminal 3 – Cairo Airport:
 - Design low tension switchboard.
 - Select protection device as (circuit breaker 'Schneider Product', contactor, thermal overload, protection relay, accessories required) according to Single Line Diagram from client.
 - Calculate cross-sectional area of copper bus bar required.
 - Determine dimension of panel (width, height, depth).
 - Calculate short circuit calculation capacity, selective study.
 - Calculate dissipated power of panel.
 - Prepare Shop drawing for panel of project.
 - Determine price of panel.
 - Tools:
 - Excel: to write technical document.
 - AutoCAD: to make shop drawing for panel.
 - Ecodial Software: to calculate short circuit calculation, voltage drop, suitable cable, selective study.
 - Clima Software: to calculate dissipated power.
 - Eastern Company for Tobacco:
 - Design MCC (Motor Control Center) Panel.
 - Design Power Factor Panel according to KVA required.
 - Determine Starter required as (variable speed, soft starter, star delta starter, direct on line starter, contactor, thermal overload, protection relay, accessories required) according to Single Line Diagram from client.
 - Calculate cross-sectional area of copper bus bar required.
 - Determine dimension of panel (width, height, depth).
 - Prepare Shop drawing for panel of project.
 - Determine price of panel.
 - Tools:
 - Excel: to write technical document.
 - AutoCAD: to make shop drawing for panel.
 - Sadat Factory for callus & lisle:
 - Design Power Low Tension Switchboard.
 - Design Power Factor Panel according to KVA required.
 - Select protection device as (circuit breaker 'Moller Product', contactor, thermal overload, protection relay, accessories required) according to Single Line diagram.
 - Calculate cross-sectional area of copper bus bar required.

- Determine dimension of panel (width, height, depth).
- Prepare Shop drawing for panel of project.
- Determine price of panel.
- Tools:
 - Excel: to write technical document.
 - AutoCAD: to make shop drawing for panel.
- Sigmatec Pharmaceutical Factory:
 - Design Power Low Tension Switchboard.
 - Design Lighting Panel with necessary auxiliaries as (photo cell, timer).
 - Select protection device as (circuit breaker 'Schneider Product', contactor, thermal overload, protection relay, accessories required to make interlock between more than source of power (Ex. Two transformer, generator, bus coupler) according to Single Line diagram.
 - Calculate cross-sectional area of copper bus bar required.
 - Determine dimension of panel (width, height, depth).
 - Prepare Shop drawing for panel of project.
 - Determine price of panel.
 - Tools:
 - Excel: to write technical document.
 - AutoCAD: to make shop drawing for panel.
- Dahab Resort:
 - Design Power Low Tension Switchboard.
 - Design Lighting Panel with necessary auxiliaries as (photo cell, timer).
 - Select protection device as (circuit breaker 'Schneider Product', contactor, thermal overload, protection relay, accessories required to make interlock between more than source of power (Ex. Two transformer, generator, bus coupler) according to Single Line diagram.
 - Calculate cross-sectional area of copper bus bar required.
 - Determine dimension of panel (width, height, depth).
 - Prepare Shop drawing for panel of project.
 - Determine price of panel.
 - Tools:
 - Excel: to write technical document.
 - AutoCAD: to make shop drawing for panel.
- Khalda Petroleum Co.:
 - Design Power Low Tension Switchboard for kahraman new oil facility.
 - Design Lighting Panel with necessary auxiliaries as (photo cell, timer).
 - Select protection device as (circuit breaker 'Schneider Product', contactor, thermal overload, protection relay, accessories required to make interlock between more than source of power (Ex. Two transformer, generator, bus coupler) according to Single Line diagram.
 - Calculate cross-sectional area of copper bus bar required.
 - Determine dimension of panel (width, height, depth).
 - Prepare Shop drawing for panel of project.
 - Determine price of panel.
 - Tools:

- Excel: to write technical document.
 - AutoCAD: to make shop drawing for panel.
- HELWAN WASTE WATER TREATMENT PLANT:
 - Design low tension switchboard.
 - Select protection device as (circuit breaker 'Schneider Product', contactor, thermal overload, protection relay, accessories required) according to Single Line Diagram from client.
 - Calculate cross-sectional area of copper bus bar required.
 - Determine dimension of panel (width, height, depth).
 - Calculate short circuit calculation capacity, selective study.
 - Calculate dissipated power of panel.
 - Prepare Shop drawing for panel of project.
 - Determine price of panel.
 - Tools:
 - Excel: to write technical document.
 - AutoCAD: to make shop drawing for panel.
 - Ecodial Software: to calculate short circuit calculation, voltage drop, suitable cable, selective study.
 - Clima Software: to calculate dissipated power.
- Al Maza Hotel, Marsa Matrouh:
 - Design Power Low Tension Switchboard.
 - Select protection device as (circuit breaker 'Schneider Product', contactor, thermal overload, protection relay, accessories required) according to Single Line diagram from client.
 - Calculate cross-sectional area of copper bus bar required.
 - Determine dimension of panel (width, height, depth).
 - Prepare Shop drawing for panel of project.
 - Determine price of panel.
 - Tools:
 - Excel: to write technical document.
 - AutoCAD: to make shop drawing for panel.
- INTERSTATE PAPER INDUSTRIES SADAT FACTORY FREEZONE:
 - Design Power Low Tension Switchboard.
 - Select protection device as (circuit breaker 'Schneider Product', contactor, thermal overload, protection relay, accessories required) according to Single Line diagram from client.
 - Calculate cross-sectional area of copper bus bar required.
 - Determine dimension of panel (width, height, depth).
 - Prepare Shop drawing for panel of project.
 - Determine price of panel.
 - Tools:
 - Excel: to write technical document.
 - AutoCAD: to make shop drawing for panel.
- Koam Oschim Training Center, Al Fayoum:
 - Design Power Low Tension Switchboard.
 - Select protection device as (circuit breaker 'Schneider Product', contactor, thermal overload, protection relay, accessories required) according to Single Line diagram from client.
 - Calculate cross-sectional area of copper bus bar required.
 - Determine dimension of panel (width, height, depth).
 - Prepare Shop drawing for panel of project.
 - Determine price of panel.

- Tools:
 - Excel: to write technical document.
 - AutoCAD: to make shop drawing for panel.