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Electrical Installation, Commissioning & Maintenance Engineer

Holds a B. Sc. in Electrical Power Engineering and has over 13 years hands-on experience working in construction, maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	03/06/1978
Gender	:	Male
Marital Status	:	Married
Residence	:	Alexandria

EDUCATION

: B. Sc. in Electrical Power Engineering, Alexandria University, 2000

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

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

: AutoCAD

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2014 till now

Employer : EEHC

Project : Abu Qir New Power Plant (2x650MW)

Job title : Electrical Installation, Commissioning & Maintenance Engineer

Job Description :

- Familiar with the use of test equipments (Freja 300 & Megger & Siemens protection devices "7Sk80 and 7SJ6021" & Siemens control devices Simocode & fast transfer device ABB-SUE3000 and FM protection device.
- Able to install, test& commission LV, MV and HV switchgear, transformers, breakers, protection relays, cables, motors, GIS and other HV equipments.
- Have expertise on relay setting calculations, and be able to carry out comprehensive relay testing (including primary and secondary injections).
- Able to provide technical direction and supervision to a team of technicians and craft labor for the installation, commissioning and

maintenance activities.
- Have an understanding of the operational capabilities of electrical apparatus such as transformers and generators.
- Installation, testing and maintenance of all DC and AC induction Motors.
- Installation, testing and maintenance of all Motorized & solenid valves.
- Familiar with the use of plc, motors soft starter and VFD control device.

Dates : From Sep. 2009 till Aug. 2014
Project : Sidi Krir Power Plant Units 3 & 4 (BOOT)
Job title : Operation & Maintenance Engineer
Job Description :
- Responsible for shift to shift safe operation of all equipments associated with the power generation facility by using DCS.
- Responsible for power generation facility system inspection and system alignments during start up an shutdowns to ensure safe and correct operations of the system equipments, during normal and emergency operations.
- Proceed air compressor operation and programming.
- Participated in plant activities and plant first start-up and operation.
- Maintain system and equipment operation within vendor's specifications and guidelines.
- Document equipment performance by maintaining complete and accurate log sheets.
- Co-ordinate safety with regards to maintenance shift work activities (isolation, placed tags and placing equipments back in-service according vendor's specifications…).
- Write work order and LOTO for maintenance using J.D. Edwards.
- Participated in pre- commissioning activities reviewing engineering drawing and have the ability to conduct system walk down and generating punish list.
- Very good knowledge for safety OSHES18001 and environment Iso14001.

Dates : From Aug. 2007 till Jun. 2009
Employer : AL-HUSSAN Engineering Consultants (Saudi Arabia)
Job Description :
- Supervise the facilities electrical installations.
- Preparation and following up for maintenance quotations.

Dates : From Feb. 2004 till Jul. 2007
Employer : West Delta Co. for Electricity Production
Project : Sidi Krir Power Station 2x320MW
Job title : Control Room Engineer
Job Description : Operation of heavy industrial turbine driven Generators & their auxiliaries including:
- Responsible for safe operation for Main Boiler (B&W) and its auxiliary systems:
  - Start-up main Boiler from 1st fire to M.C.R. up to design conditions (dual firing).
  - Responsible on auxiliary Boiler and Reboiler Systems for safe operation.

- Responsible for safe operation for Turbine (Siemens) and its auxiliaries:
  - Lube & Control oil systems.
  - Seal oil & Seal steam systems.
  - Condenser vacuum system – Evacuation water system.
  - Generator cooling & filling systems.
  - Turbine extraction & drain systems.
- Responsible for safe operation for auxiliary systems:
  - Compressed air system.
  - Condensate water system.
  - Service water system.
  - Closed cooling water system.
  - Circulating water system.
  - Feed water system.
  - Hydrogen Plant.
- Responsible for electrical work: central dispatch 220KV maneuvers (GIS), electrical operation for high, medium and low voltage equipments, isolation for equipments in case of maintenance, troubleshooting electrical problems during the shift, battery chargers and inverters isolation and putting back in service and have a wide knowledge of protection relays (high, medium and low voltages), generators and transformers protection relays.