

101805-ELE-14CPST-E-2005
Electrical Commissioning Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 11 years hands-on experience working in erection, maintenance, testing, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/08/1983
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2005

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Dialux (lighting design)
: SCADA system
: Ecodial (Electrical design - power factor Improvement)
: Powerx (short circuit calculation - Harmonics)

TRAINING COURSES AND CERTIFICATIONS

: DCS system in Abu Qir Power Plant.
: PLC Siemens step 7 (300) in Abu Qir Power Plant.
: Protection instruments in Abu Qir Power Plant.
: Trainings at:

- Rashid Petroleum Company (RASHPETCO).
- Abu Qir Fertilizers and Chemical Industries Company.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2012 till now
Employer : Engineering for the Petroleum and Process Industries (ENPPI)
Project : OIL/GAS POWER PLANT, Egypt
Job title : Electrical Commissioning Engineer
Job Description :

- GIS / Outdoor substation design and commissioning.
- Pipe line & Cathodic Protection Services.
- Solar PV construction and commissioning.
- Substation primary plant layout designs - designing HV cables and routes.
- Construction supervision combined cycle power plant (CCPP).
- Power distribution equipment application and knowledge of equipment components maintenance and upkeep.
- Experience with MV and LV Switchgear, Motor Control Centers, soft starts and VFDs.
- Control systems including PLC's (Siemens & Allen Bradley).
- System of valve rooms, water stations and Oil wells.
- Diesel generator installation and commissioning.
- Low voltage power transformer pre-commissioning.
- VSD (Variable Speed Drive) and ESP pre-commissioning.
- Lighting system construction and commissioning.
- Low voltage motor and pumps pre-commissioning and commissioning.
- Ring main unit (RMU) installation and commissioning.
- Cathodic protection and HVAC design installation and commissioning.

Dates : From Apr. 2012 till Aug. 2012
Employer : GLOBAL Technical Service Co.
Project : Egyptian Bahraini Gas Derivatives Company Gulf of Suez NGL Recovery Plant Development Project
Job title : Commissioning Engineer (Cathodic Protection Engineer)
Job Description : Commissioning and start-up:

- Cathodic Protection Services.
- Low voltage transformer.
- UPS and battery charger.
- GIS / Outdoor substation design and commissioning.
- Low voltage dc motors, AC motors and pumps most common types and HVAC.
- The power factor correction system.
- Firefighting system and cathodic protection.
- Lighting system (flood, street, normal, emergency).
- Emergency diesel generator.

Dates : From Jul. 2011 till Apr. 2012
Employer : BURULLUS GAS COMPANY
Project : WDDM PHASE VII MAIN COMPRESSION PROJECT
Job title : Electrical Commissioning Engineer

- Job Description** :
- Gas Turbine (Siemens):
 - Test and commissioning MCC 400V.
 - Test CT and VT.
 - Test generator Siemens.
 - Test and commissioning DC system (Battery & chargers & DC Motor).
 - Test and commissioning motors and cables.
 - Test and commissioning main transformer 11KV / 400 V and test protection panel.
 - Test and start-up lighting & sockets & HVAC.
 - Give lectures and training sessions each month at a rate of 4 times for new engineers and trainees.
 - Medium voltage outdoor substation (Schneider):
 - Test and commissioning MV switchgear and start-up and testing relays and Test CT and VT.
 - Test and commissioning MCC 400 V (ABB) and start-up.
 - Test and commissioning lighting system and HVAC.
 - Test diesel Emergency.
 - Test all motor and cables.
 - Test DC system (Battery & chargers & UPS).
 - Test and commissioning main transformer.
 - Check Loop test all electrical systems with DCS.

Dates : From Apr. 2010 till Jul. 2011

Employer : KHARAFI NATIONAL

Project : Al-Shabab 1000MW Power Station (Fast Track Project)

Job title : Construction & Commissioning Engineer

- Job Description** :
- Responsible for construction and commissioning for complete Power Plant (8x125MW).
 - Responsible for commissioning and testing 8 Gas turbines GE (frame 9E) and all auxiliary HV (Hyosung), MV (Schneider), LV (Schneider), Transformers (Hyosung, Hyundai), Generator Circuit Breakers (Areva), DC system, diesel generator and HVAC and SCADA system of stations and substations.

Dates : From Oct. 2006 till Apr. 2010

Employer : West Delta Electricity Production Co.

Project : Abu Qir Power Station (4 units 150MW & 1 unit 325MW (ALSTOM))

Job title : Electrical Commissioning Engineer

- Job Description** :
- Erection and commissioning the static excitation system in generator.
 - AVR (Automatic Voltage Regulation) 4 units 150MW (Transformer & cables & excitation cubical & software plc GE) and rewinding the rotor and Stator in the synchronous generator (I worked with ALSTOM Power Service Company).
 - Maintenance and commissioning UPS and Diesel generator.
 - Maintenance Low voltage power transformer.
 - Lighting system construction and commissioning.
 - Maintenance Low voltage motor and pumps.

- Dates** : From Jan. 2006 till Oct. 2007
- Employer** : SIEMENS
- Project** : Sidi Krir Power Plant Substation 500KV
- Job title** : Commissioning & GIS Engineer
- Job Description** :
- Erection & Commissioning & Start-up Engineer.
 - Responsible for erection and commissioning for substation 500KV/220KV.
 - Testing and commissioning all components in substation.
- Field of experience** :
- Cathodic Protection Services.
 - Automatic Generation control & Energy Management System.
 - Testing and commissioning protection relays on generator & transformer.
 - Testing and commissioning all types of voltage and current transformers.
 - Testing and commissioning all types switchgear HV & MV & LV (ABB & Siemens & Schneider & Hyundai).
 - Testing and commissioning Protection Relays:
 - Siemens (7SA5, 7SD6, 7SJ, 7SS52, 7SV, etc.).
 - Areva (P442, P441, etc.).
 - ABB (Rel 561, RET521, REB, etc.).
 - Control systems including PLC's (Siemens and Allen Bradley).
 - Protection of motors.
 - Testing protection relays on Switchgear such as Micom relay P122 & P123 & P142 & Sepam.
 - Testing and commissioning power Transformer and Isolated Phase bus duct (all tests).
 - Test earthing in switchyard.
 - Calibration and testing of current Transducers & voltage Transducers & Watt Transducers.
 - Testing and commissioning DC Voltage systems (Battery – charge and discharge & rectifiers).
 - Testing and commissioning safety voltage systems (inverters & UPS system).
 - Testing the generator (stator and rotor).
 - Proven capability to implement Grid Code & system Operation Procedures in electrical utilities.
 - Give lectures and training sessions each month at a rate of 4 times for new engineers and trainees (most of the companies in which it has worked).
 - Maintenance all types of excitation system on Generator (brush system & Brushless rotating diode & static excitation system).
 - Testing the generator (stator and rotor).
 - Excellent in reading scheme diagram.
 - Excellent in reading single line diagram and wiring circuit.
 - Excellent in Siemens PLC step7.
 - Have ability of testing by the famous testers such as:
 - Primary and Secondary injection (Omicron, Megger, Programa).
 - Testers (CPC100 & CMC256).