

102634-ELE-45CLMPTyz-E-2011
Electrical & Cathodic Protection Engineer

Holds a B. Sc. in Electrical Power Engineering and has over 11 years' experience in maintenance, testing and installation of electrical equipments.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/01/1989
Gender : Male
Marital Status : Married
Residence : Zagazig

EDUCATION

: B. Sc. in Electrical Power Engineering, Zagazig University, 2011

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Autodesk AutoCAD 2D
: Ecodial
: Dialux Program

TRAINING COURSES AND CERTIFICATIONS

: Certified NEBOSH PSM (Aug. 2022).
: NEBOSH IGC Certified with credit (Oct. 2021).
: Corrosion Management using Cathodic protection (2021).
: Earthing at distribution system (2019).
: Types & Maintenance of UPS systems (2018).
: Types of cables and testing (2018).
: ABB Egypt (operation and configuration for Medium voltage protection relays types (REF615, RET615, REX521, REU610) (Aug. 2014).
: Summer field training at GUPCO Egypt (Aug. 2010).
: Summer field training at El-Sewedy Cables (UIC) (Aug. 2009).
: Summer field training at Sharwida Substation and Talkha Power Station (Aug. 2008).

- : Summer field training at Al-Ahram Beverage Company (Pepsi Masr) (Aug. 2007).
- : English: Academic TOEFL Certification with grade 606.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2021 till now
- Employer** : Egyptian Natural Gas Co. (GASCO)
- Job title** : Electrical & Cathodic Protection Engineer
- Job Description** :
- Perform all maintenance types for Electrical Equipment motors, panels, cables & transformers.
 - Sizing, selection & installation of Electrical Equipments & components including CBs, contactors, cables.
 - Perform maintenance for LV main switchgear panel.
 - Testing power cables, motors and transformers.
 - Design and installation of earthing system for equipments and gas facilities.
 - Perform SAT for motors, transformers, cables, panel & CP transformers.
 - Attend and supervise all FAT for electrical equipments.
 - Lead energy saving committee to develop and apply new methods and ideas for energy saving and make sure to achieve the required saving target by reducing energy consumption every year according to EGAS & MOP instruction.
 - Perform periodic survey, monitoring & maintenance for cathodic protection system for GASCO UG pipelines according to NACE standards and GASCO regulation.
 - Perform installation & troubleshooting of CP systems and CP ground-beds and PCR units.
 - Professional in performing all safety activities and instructions like PTW, LOTO, risk assessment, TBT, hazardeous area classifications and work instructions.
 - Responsible for material & spare parts selection, evaluation, inspection & stock control.
 - Management of contractors to make sure of following up safety instruction and work procedures according to GASCO regulation and international standards.

- Dates** : From Dec. 2015 till Sep. 2021
- Employer** : Qarun Petroleum Company
- Job title** : Electrical Engineer
- Job Description** :
- Perform preventive, corrective, predictive maintenance, installation & testing for MV & LV motors, power transformers, 22KV OHTL, MV & LV switchboards and 3.3KV switchgear of 16MW Power Station.
 - Perform SAT and routine tests for all electrical components motors, transformers, cables (MV & LV), switchboards and earthing system.
 - Perform cable terminations for medium voltage cables up to 22KV.
 - Supervision on installation of 22KV OHTL beside commissioning and start-up.
 - Supervision of all life maintenance performed by contractors for 22KV transmission system.

- Perform maintenance & troubleshooting for OHTL & RMUs.
- Perform installation & selection for electrical surface equipment for wells (transformers, cables, panels).
- Perform maintenance for 22KV RMUs.
- Perform MOC for any electrical modification at operation or production area.
- Maintenance, installation and testing for earthing system.
- Design, sizing & installation of transformers, cables & CBs ratings at oil wells & stations.
- Installation, maintenance & repairing for cathodic protection systems.
- Installation, commissioning & maintenance electrical equipments at oil & water flood stations.
- (IR) Thermal analysis & survey using FLIR program used for OHTL 22KV.
- Follow all safety instructions, requirements and procedures in work site including PTW system, risk assessment, TBT & perform LOTO for work activities.
- Make maintenance reports, record all maintenance types and work orders at GMS system.
- Perform material requisition, technical evaluation for spare parts and evaluate technical offers.
- Review technical studies, perform supervision and follow up for electrical installations at projects.
- Management of contractors to make sure of following up safety instruction and work procedures according to company regulation and international standards.

Dates : From Feb. 2012 till Mar. 2014

Employer : Specializing Company for Electrics

Job title : Electrical Engineer

Job Description :

- The installation of electrical power systems and Earth system.
- Installation and testing of 11KV Switchgear, cables and transformers.
- Make checks and follow wiring diagram of Medium voltage switchgear and make site report about it.
- Make site tests and installation for Transformers, cables and earth system.
- Make the design of low voltage main distribution board.
- Make control circuit of transformer Aux. Protections.
- Supervision on site work and record daily work progress.

Field of experience : 8 years' experience at Oil & Gas field, responsible for maintenance, troubleshooting, testing and installation of LV & MV electrical equipment for 16MW Power Station, 22KV RMUs & 22KV OHTL, beside performing P.M, C.M & predictive maintenance for transformers up to 10 MVA, medium voltage and low voltage motors, medium voltage switchboards, performing SAT and routine tests for motors, transformers & cables, installation and testing, beside Cathodic protection activities including surveying, monitoring, installation, maintenance and testing.