

102969-ELE-14OPT-E-2008
Testing & Commissioning Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 11 years hands-on experience working in protection, testing and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/11/1985
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2008

LANGUAGES

Arabic : Native Language
English : Good
French : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Photoshop
: Matlab
: Proteus and Workbench Simulation Programs
: Computer Network Insulation
: Assembly Language
: Embedded C Language
: ETAP

TRAINING COURSES AND CERTIFICATIONS

: Trainings at:
• Alexandria Petroleum Maintenance Co. (PETROMENT) (2006).
• Western Desert Operating Petroleum Co. (WEPCO) (2007).
: Operate Steam Turbine (Abu Qir Training Center) (2009).
: Maintenance Electronic Card (El-Kureimat Training Center) (2011).

- : Bus Bar Protection Relay 7SS522 (Siemens S.A.E) (2012).
- : Instrument Transformer and Power Measurement (Network Training Center) (2012).
- : Fault Recorder Hathaway (Central Sector For Protection, Measurement and Testing) (2015).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2019 till now
Employer : Carlo Gavazzi Egypt (CGE) as manpower for British Petroleum (BP)
Project : BP West Nile Delta Gas Development Project - Egypt
Job title : Testing & Commissioning Engineer
Job Description :

- Testing and Commissioning MV Switchgear.
- Testing and Commissioning LV Switchgear and MCC.
- Testing CT and VT.
- Testing various types of measuring devices.
- Testing Protective Relays.

Dates : From Jul. 2018 till Dec. 2018
Employer : Reliability Measures for Contracting (REMCO)
Project : King Saud University (KSU) - Riyadh - Saudi Arabia
Job title : Team Leader Testing & Commissioning Engineer

Dates : From Dec. 2017 till Jun. 2018
Employer : Reliability Measures For Contracting (REMCO)
Project : Duba Green Integrated Solar Combined Cycle Power Plant - Duba - Saudi Arabia
Job title : Testing & Commissioning Engineer
Job Description :

- Testing and Commissioning MV Switchgear.
- Testing and Commissioning LV Switchgear and MCC.
- Testing CT and VT.
- Testing various types of measuring devices.
- Testing LV & MV Switchgear Protective Relays.
- Testing Power Transformer.

Dates : From Jul. 2017 till Dec. 2017
Employer : Det Norske Veritas, Germanischer Loyd Oil and Gas (DNV.GL) as Manpower for Egyptian Refining Company (ERC)
Project : Hydrocracking Facility Project - Mostorod - Cairo
Job title : E&I QA/QC Engineer
Job Description : Quality assurance and quality control for electrical equipment in the project to make sure that it installed and tested as per project specification.

Dates : From 2011 till Jul. 2017
Employer : West Delta Electricity Production Co. (WDEPC)
Project : Abu Qir Thermal Power Plant
Job title : Protection Engineer

Job Description :

- Testing Generators (150MW 15KV, 300MW 22KV) Protective relays.
- Testing 11KV Gas turbine generator protective relays.
- Testing Transformers (15/220KV, 22/220KV, 220/11/6.3KV & 66/6.3KV) Protective Relays.
- Testing 11KV Switchgear Protective Relays.
- Testing 6.3KV Switchgear Protective Relays.
- Testing Interlock for C.B & disconnect switches and earth switches.
- Testing various types of Transducers (Current, Volt, Active power, Reactive power, Power Factor and Frequency) and measuring devices.
- Commissioning & installing of the protection panels.
- Modifying the protection panels including the protection relays.
- Repairing the electronic cards for various types of protection relay.
- Testing CT and VT.
- Troubleshooting of protection circuit.
- Design the electrical drawing for protection panels including the protection Relays using AutoCAD.

Dates : From May 2016 till May 2017

Employer : Egyptian Maintenance Co. (Daily Rate) as manpower for BECHTEL

Project : BP West Nile Delta Gas Development Project

Job title : Electrical Engineer

Job Description :

- Testing Motor, Transformer, Low Voltage Bus Duct, Low Voltage Switchgear, UPS and gas heater.
- Prepare Preservation and Refurbishment plan for these Equipments.
- Site Coordinator for electrical activity.

Dates : May/Jun. 2015

Employer : Globe Power Company

Project : Construction Gas Turbine Power Station (2x25MW (GT)) type TM2500

Job title : Electrical Engineer

Job Description :

- Supervision of establishment the earthing network.
- Supervision of installation the medium and low voltage switchgear.
- Supervision of the cable trays installation, cable laying and installation of cables ends.
- Installation and commission the battery charging system.

Dates : From 2009 till 2011

Employer : West Delta Electricity Production Co. (WDEPC)

Project : Abu Qir Thermal Power Plant

Job title : Operation Engineer

Job Description :

- Checking pumps, turbine bearings, boiler line, motor and record daily notes.
- Checking operation reading for temperature, level and current of all motors.
- Starting and shutting down boiler and turbine.
- Checking protection relay for generator, transformer, feeder and auxiliaries.

Dates : From 2008 till 2009
Employer : MEC Door Company for automatic gate system
Job title : Electrical & Control Engineer
Job Description :

- Installation of electrical connection of doors.
- Maintenance of Motor and control Card of doors.
- Protection system for motor.

Special Skills:

- Atmel Microcontrollers.
- AVR Microcontrollers.
- Design Repair Eletronic circuit.
- Electronic and Electrical Device maintenance.

Field of experience :

- Ability to Testing the following protection Relays:
 - Bus bar differential (220KV):
 - SIEMENS 7SS522 (digital).
 - Distance:
 - AREVA MICOM P442 (digital).
 - AREVA MICOM P441 (digital).
 - SIEMENS 7SA610 (digital).
 - ABB REL100 (digital).
 - SIEMENS 7SL32 (static).
 - BBC LZ96 (static).
 - BBC L3WYZ (mechanical).
 - Generator:
 - SIEMENS 7SL32 (digital).
 - BBC GSX5 (static).
 - ALSTOM (static).
 - Differential:
 - SIEMENS 7UT612 (digital).
 - SIEMENS 7UT613 (digital).
 - GE DTP (digital).
 - AREVA MICOM Agile P642 (digital).
 - ALSTOM TDT34 (static).
 - BC RBAH140 (mechanical).
 - Motor protection:
 - SIEMENS 7SK85 (digital).
 - ABB REM615 (digital).
 - Over Current:
 - AREVA MICOM P121 (digital).
 - AREVA MICOM P122 (digital).
 - GE MIF II (digital).
 - GE MIC 7012 (digital).
 - ABB REF610 & REF615 & REF620 (digital).
 - ALLEN BRADLEY 857 (digital).
 - SIEMENS 7SJ82 & 7SJ85 (digital).
 - Schneider SEPAM series 20 & 40 (digital).
 - ALSTOM TA3110, TA3220 (static).
 - ALSTHOM A325 (static).
 - SIEMENS 7SJ50 (static).
 - BBC PAK410 (mechanical).

- Ability to use the following software to testing and programming:
 - SIEMENS DIGSI 4.
 - SIEMENS DIGSI 5.
 - SIEMENS Reydisp.
 - MICOM S1.
 - MICOM S1 Studio.
 - MICOM S1 Agile.
 - GE Enervist.
 - ABB PCM 800.
 - SEPAM SFT.
 - Easergy Studio.
- Ability to use the following tester to testing the protection Relays:
 - Conventional three phase secondary injection.
 - Omicron cmc 256.
 - FREJA.
 - CT Analyzer.
 - CPC 100.
 - TRAX 280.
 - Severker 900.
- Install and commission the following protection Relays:
 - Bus bar differential 220KV:
 - (SIEMENS 7SS522) consist of 21 bay unit.
 - Distance protection Relay:
 - (MICOM P442, P441) include auto reclosing.
 - (SIEMENS 7SA610).
 - Differential protection Relay:
 - (MICOM Agile P642) include REF, OC.
 - (SIEMENS 7UT613, 7UT612).
 - Over Current protection Relay:
 - (MICOM P121) include OL, EF, SC.
 - (MICOM P122) include -Ve Sequence.
 - (GE MIF II).
 - (ABB REF610).