

105279-ELE-125MPT-E-2003

Testing & Commissioning Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 12 years hands-on experience working in maintenance, protection, testing and commissioning.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: Programming: Matlab, Ladder, Micro Controller Programming and Etap
: Protection relays and testing equipment's software

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2014 till Jul. 2017
Employer : Cogalex Alstom Company, KSA
Projects :

- Extension of Al-Wajh 132/33/13.8KV S/S
- BASATEEN 110/13.8KV in Jeddah
- Albawadi 110/13.8KV in Jeddah
- Construction of 380/132/33KV AL-MADAYA S/S

Job title : Testing & Commissioning Engineer

Dates : From May 2011 till Oct. 2014
Employer : Al-Gihaz Holding Company, KSA
Projects :

- Alandalus-2 110/13.8KV Substation in Jeddah
- Iskan Al-hisma 132/33/13.8KV Substation in Jizan
- Tabuk University 132/13.8KV in Tabuk
- Tabuk-10 132/13.8KV S/S
- Tabuk Air base KFAB 13.8/11KV S/S
- Tabuk-5B 132KV S/S

- ICY5 110/13.8KV Substation in Jeddah
- Punch list points clearance for company projects in Southern region (Dhran Al-Janoub 132/13.8KV, Alkhaneq 132/13.8KV, Biljurishi 132/13.8KV, Jizan industrial 132/13.8KV, Oukhdod 132/13.8KV, Kudmi 380/132KV, KKAB 132/13.8KV)

Job title : Testing & Commissioning Engineer

Dates : From Mar. 2008 till May 2011

Employer : Upper Egypt Electricity Production Company

Project : Giza

Job title : Operation & Maintenance Engineer

Job Description :

- Maneuvers for load centers, switchgear (6.3KV) and switchyard 500/220KV.
- In charge of operation and maintenance of all the project systems which include but not limited to the transformers, generators, compressors, gas turbine, steam turbine, natural gas system fuel oil system, and other auxiliary systems like the pneumatic air, hydraulic oil, service air, instrument air service water, closed cooling water, demi water, seal oil system, ball cleaning system and others.
- Working in the control room (DCS) or in the field of an assigned plant area to control / monitor the save operation.
- Familiar with the systems functions and descriptions.
- Studying the systems setting and logic control sheet.
- Attending training on the gas turbine as well as the steam turbine systems.

Dates : From Mar. 2005 till Mar. 2008

Employer : Egyptian Iron & Steel Company, Cairo

Job title : Electrical Maintenance Engineer

Job Description :

- Set up and maintain electrical and control components, motor drives conveyers and relay control components.
- Responsible for following up all production process from row materials charging up to iron casting to be done in correct way without any delay or malfunction.
- Take necessary very quickly action in case of any system components damaged for safety and production process completion.
- Responsible to assign the available crew Manpower in the site upon the activities to achieve maximum team performance.
- To be technical support for technicians for practical issues.

Field of experience :

- Testing for all types of relays (Siemens, ABB, Micom, ZIV and SELL):
 - O/C&E/F Relay.
 - AVR Relay.
 - Differential relay.
 - Line protection relays (Distance and differential).
 - Synch. check relay.
 - Under/Over voltage relay.
 - Under/Over frequency relay.
 - Low and high impedance BB Protection relays.
 - Over flux relays.

- Breaker failure relay.
- ACDB scheme and function check.
- DCDB scheme and function check.
- Low voltage MCB and MCCB Test.
- 13.8 & 33KV Switchgear pre-check, scheme and overall interlock tests.
- 13.8 & 33KV Capacitor feeder protections scheme and function check.
- 13.8 & 33KV Outgoing distribution feeder scheme.
- 380, 132 & 110KV GIS Scheme test and interlock for all bays (Line feeder, Transformers, Bus section, Bus coupler).
- 13.8 & 33KV SWGR Incomer & Bus Section Scheme.
- 13.8 & 33KV Ct Test & VT test
- 380, 132 & 110KV CT test.
- DCDB scheme check.
- Secondary injection (CT loop, VT loop).
- Primary injection.
- AC DB CT test & scheme check.
- Scheme of lighting distribution panel.
- Transformer Marshaling panel pre check and scheme.
- On load tap changer panel pre check and scheme.
- Automatic voltage control panel pre check and scheme.
- Well versed with the knowledge of controlling units of a sub-station.
- 13.8 & 33KV switch gear close loop.
- 380, 132 & 110KV GIS closed loop.
- Protection panels closed loop test.
- HV & LV cable test.
- Transducer and meter test.
- 380, 132 & 110KV breaker test.
- 13.8 & 33KV Bus bar Stability & sensitivity.
- Transformer stability.
- CT primary injection (13.8, 33, 110, 132 and 380KV).
- Well known with SAS System.
- Testing of current transformers and voltage transformers.
- Have worked on Power Systems Testing Equipment's like:
 - OMICRON CPC 100.
 - CT Analyzer Omicron.
 - FREJA.
 - MEGGER.
 - SVERKER.
 - CMC.
 - ODDEN.