

103664-ELE-12MT-E-2010
Testing & Commissioning Team Leader

Holds a B. Sc. in Electrical Engineering and has over 9 years hands-on experience working in maintenance, testing, commissioning and protection.

PERSONAL DATA

Nationality : Egyptian
Birth Year : 1988
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electrical Engineering, Zagazig University, 2010

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: MS Project

TRAINING COURSES AND CERTIFICATIONS

- : Training of Hyundai Heavy Industries Company, Bulgaria, for maintenance service, replaces and repairs of all types HHIB transformers (2011).
- : Training of Siemens Company, for substation control system (SCS) in El-Shabab 220KV GIS substation (2011).
- : Training of Siemens Company, for protection system in El-Shabab 220KV GIS substation (2011).
- : Training of Siemens Company, for gas insulated switchgear (GIS) in El-Shabab 220KV GIS substation (2011).
- : Training of Schneider Company (2011) in the following courses:
 - Operation & maintenance of MV SWGR (MCset1).
 - Operation & maintenance of LV SWGR (Blokset).
 - Operation & maintenance of DC system.
 - Operation & maintenance of Dry type transformer.
- : Training of GE (GENERAL ELECTRIC) Company, for generator control – EX2100R (2011).
- : Training of GE (GENERAL ELECTRIC) Company, for MS 9001 gas turbine operation training (2011).

- : Training of Fayued Training Center of Ministry of Electricity & Energy, for CT's & VT's (2013).
- : Training of Fayued Training Center of Ministry of Electricity & Energy, for protections of generator and transformers (2013).
- : Training course of electrical power systems distribution, JELECOM Training Center (2013).
- : Training of Khalda Petroleum Company (summer 2009).
- : Training of United Industries Company of Elsewedy Cables (summer 2009).
- : Middle Delta Electricity Production Company (Talkha Power Station) (summer 2009).
- : PLC advanced course in JELECOM Training Center (summer 2009).
- : Training in Vocational Training Center on distribution lighting (summer 2001).
- : ICDL

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2016 till now
- Employer** : Gihaz Energy Services Co. (GESCO) – Saudi Arabia
- Projects** :
 - 110/13.8KV SS, UNIVERSITY 4 JEDDAH
 - 110/13.8KV SS, AL RAWADA JEDDAH
 - 110/13.8KV SS, SARI JEDDAH
 - 110/13.8KV SS, AL NASSEM MAKKAH
 - 11 0/13.8KV SS, AL BAYAH TAIF
- Job title** : Testing & Commissioning Team Leader for MV & HV substations
- Job Description** :
 - Work as a Team Leader, supervise and manage all testing activities and give technical support for it.
 - Power transformers testing activities.
 - Auxiliary TR testing activities.
 - Capacitor bank and shunt reactors.
 - Switchgear component, schemes and protection relays acceptance and final setting as per NG recommendation and standards.
 - GIS component, schemes and protection relays acceptance and final setting as per NG recommendation and standards.
 - GIS HV Test, primary and stability activities.
 - SWGR HV Test, primary and stability activities.
 - Control and protection panels (component, Scheme, protection relays acceptance and final setting as per NG recommendation and standards.
 - Open loop activity up to SAS HMI and WRCC signals.
 - Close loop with WRCC.
 - Final trip test.
 - Final setting review.
 - End to End test.
 - Energizations of substation and on load test.
 - Network reinforcement for old substations.
- Dates** : From Nov. 2014 till Feb. 2016
- Employer** : DAR Engineering – KSA

- Projects** : • MOHYIL ASIR 380/132KV SUBSTATION
• ROIBIKA NAJIRAN 132/13.8KV SUBSTATION
• OSHIRA NAJIRAN 132/110KV SUBSTATION
• BANI SAR AL BAHA 132/13.8KV SUBSTATION
• KADRA JIZAN 132/13.8KV SUBSTATION
- Job title** : Protection Engineer
- Job Description** : • Witness for contractor testing and commissioning activities (NG - CSD).
• Working as Electrical Engineer in Commissioning Services Department (CSD) with Saudi Electrical Company (SEC), supervise activities such as:
- SF6 Gas Analysis for 380KV GIS.
- Acceptance and Final setting of all types of relays (ABB + Siemens + Areva).
- Review, implement and testing of all types of (ABB, Siemens, Areva) relays.
- Scheme and Function checks of 380/132/33/13.8KV switchgears and protection panels.
- Bus Bar Protection Function and schemes for 380/132/33/13.8KV.
- Load shedding and synchronizing panel's final setting.
- 380/132KV Transformer, Shunt and Series Reactor Testing.
- Commissioning and inspection of SCADA system, SOE, Fault recorder and RTUs.
- Commissioning and inspection of DC Charger and DC Battery Bank.
- Dates** : From May 2010 till Nov. 2014
- Employer** : East Delta Electricity Production Co.
- Project** : Al-Shabab Gas Turbine Power Station 1100MW (Egypt)
- Job title** : Electrical Maintenance Engineer
- Job Description** : • Witness for all electric field testing during the installation of plant project & have training from SIEMENS, Hyundai Heavy Industries and GE (GENERAL ELECTRIC) Company.
• Modification of control circuits as per the plant change requests and update all related plant drawings to reflect the actual changes.
• Able to handle Root Cause Analysis and troubleshooting of Electrical Equipment's.
• Periodic Maintenance of main transformer 165MVA, ONAN, ONAF, 15/220KV) and Auxiliary 8MVA, ONAN, 15/6.6KV) Transformers specially HYUNDI type.
• Following the installation of large transformers (HYUNDI type 165MVA, ONAN, ONAF, 15/220KV) during plant.
• Testing protection relays of main transformer and Auxiliary Transformers (such as Transformer Differential Protection Relay (T60 relay, Transformer Neutral Over Current Protection Relay (MIFIN), Time & Instantaneous Over Current Relay (MIFIP)).
• Testing the transformers parameters (Turn ratio TTR, winding resistance, insulation resistance test, oil b and no load test).
• Maintenance of main transformer 165MVA, ONAN, ONAF, 15/220KV) and Auxiliary 8MVA, ONAN, 15/6.6KV) Transformers specially HYUNDI type.
• Testing of mechanical protection relays of main and Auxiliary

- Transformers (Buchholz relay (63T).
- Pressure relief (63TP), "OLTC" Oil Swift Flowing Relay (80SST), H.V Winding Temperature (49T1), L.V Winding Temperature (49T2), Oil Temperature (26T)).
 - Versed with power plant Generation systems. O&M experience of Power Generating Machines like GE, BBC.