

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 9 years hands-on experience working in maintenance, operation, commissioning and start-up at Assiut Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/01/1987
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Assiut University, 2009

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

TRAINING COURSES AND CERTIFICATIONS

: Make Inspection of HYUNDAI Power Transformer in HHIB Factory.
: Make Inspection of Hyosung power Transformers in Hyosung Factory.
: Gas Turbine Operations FRAME 9E Dual Fuel Gas / Liquid.
: EX2100e Excitation System.
: Mark VIe Maintenance training.
: Operation of GE gas turbine FRAME 9E for one month in El-Shabab Power Plant.
: SCS system operation by Siemens.
: Operation and control of electric motors in Society of Electrical Engineers.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2014 till now
Project : Assiut Power Project 8x125MW Simple Cycle
Job title : Electrical Maintenance & Commissioning Engineer

- Job Description** :
- Maintenance, testing and commissioning of HYUSONG power transformer with different ratings (220/15.75, 15.75/6.6KV).
 - Maintenance, testing and commissioning of HYUNDAI power transformer with different ratings (220/15, 15/6.6KV) and Dray Type Transformer (6.6/.4KV).
 - Maintenance, testing and commissioning of ALSTOM GENERATOR CIRCUIT BREAKER.
 - Maintenance, testing and commissioning of motors with different voltages and rating (6.6, 0.4KV).
 - Maintenance, testing and commissioning of Schneider MV and LV.
 - Maintenance, testing and commissioning of ABB MV and LV.
 - Working on Siemens GIS (8DN9).
 - Working on EX2100e Excitation System.
 - Operate the GE Frame 9E units.
 - Start-up and Shutdown safely.
 - Monitoring all of the units condition and the required check.
 - Testing of Transformers up to 310MVA:
 - Insulation Resistance & Polarization Index.
 - Capacitance & Dielectric Dissipation Factor (C&tan δ).
 - Winding Resistance.
 - Magnetizing Current.
 - Voltage Ratio.
 - Short Circuit Test (Impedance Test).
 - Core Balance.
 - Vector Group.
 - OLTC Operation.
 - Transformer Alarms/trip test.
 - Testing of Circuit Breakers:
 - Insulation Resistance.
 - HIPOT (Leakage Current).
 - Contact Resistance.
 - CB Operations.
 - CB Alarms/trips.
 - CB Timing.
 - Testing of CTs up to 220KV:
 - Insulation Resistance.
 - Capacitance & Dielectric Dissipation Factor (C&tan δ).
 - Secondary Resistance o Ratio Test.
 - Polarity Test.
 - Open Circuit Characteristics (Knee Point Voltage).
 - Testing of VTs up to 220KV:
 - Insulation Resistance.
 - Capacitance & Dielectric Dissipation Factor (C&tan δ).
 - Ratio Test.
 - Polarity Test.
 - MAJOR RELAYS HANDLED:
 - Schneider: SEPAMS10, S40, S60, S80.
 - GE: G60, T60.
 - ABB: REL610, RET615, REM620.

- Siemens: 7SA522, 7SA612, 7UT612, 7SD.
- MAJOR TEST EQUIPMENTS HANDLED:
 - Omicron: CMC356, CPC100, CT Analyzer .
 - ISA: DRT6, PRIMARY injection.
 - Hypotronics: DC-HIPOT.
 - Megger / Programma: Sverker, Torkel 860, TM1600.
 - Scope: TRM 104.
- Relay Communication Software:
 - Digsil.
 - Enervista.
 - SFT2841.
 - PCM.

Dates : From Oct. 2013 till Nov. 2014
Project : Assiut Steam Power Station
Job title : Electrical Maintenance Engineer
Job Description :

- Maintenance and testing of ABB power transformer with different ratings (132/33, 15/220, 15/6.3KV.....).
- Maintenance and testing of EBG distribution transformer with different ratings.
- Maintenance and testing of motors with different voltages and rating (3.3, 0.4KV).
- Maintenance and testing of ABB circuit breaker with different voltages and rating up to 132KV.
- Maintenance of the disconnectors and bus bar.
- Implementation of programs of periodic maintenance, preventive maintenance.

Dates : From Jan. 2010 till Oct. 2013
Project : Assiut Steam Power Plant
Job title : Operation Shift Engineer
Job Description :

- Responsible for operation of the steam generation units such boiler, steam turbine, generator, transformer and its auxiliaries (start-up, shut down, normal operation and abnormal operation) to achieve the optimum and economical operation.
- Carrying out troubleshooting with electrical and mechanical maintenance departments and proper isolation for equipments.
- Carrying out the switching programs for the interconnected system (132, 33KV).
- Execute the proper and safe isolation for electrical equipment as per requisition of electrical maintenance department to attend the maintenance needed for it.