

102033-ELE-12PTyz-E-2006
Protection, Testing & Commissioning Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 13 years experience working in protection, testing and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 31/03/1984
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2006

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Power Point), Internet
: Zelio programming
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Bus bar protection, The Center of Training Networks (Mar./Apr. 2010).
: Modern techniques for protection relays of electrical network, The Egyptian Company for electrical power engineering system (Oct. 2009).
: Fundamental of protections, The Center of Training Networks (Jan. 2009).
: Summer training at Egyptian Company for Iron and Steel (2004).
: Training in transformer maintenance & static relay (summer 2004).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2009 till now
Project : El-Kureimat Power Station (2x627MW)

- Job Description** :
- Working as a Protection Engineer for Static and Electromagnetic Relays for EL-KUREIMAT (2x627MW) Thermal Power Plant & 500/220KV Substation.
 - My work in protection testing of Generation Station (GE):
 - Protection of Generator (23KV, 627MW) and step up Transformer 23/500 type (GE relays).
 - Protection of Auxiliary Transformer 220/6.3KV (GE relays).
 - Protection of Power Transformer 500/220/11KV and start-up Transformer 220/6.3KV (GEC ALSTHOM).
 - Protection of medium Voltage Switchgear 6.3KV (ABB relays).
 - Protection of emergency Diesel Generator (ABB relays).
 - Protection of low Voltage Equipment's Power Centers (ABB relays).
 - Calibration and programming of (Voltage, Current, MW, MVAR, MWH, Power Factor, Frequency) Transducers.
 - My work in protection testing of GIS Substation 500/220KV (MITSUBISHI):
 - Protection of Transmission Lines 500 and 220KV (ABB relays).
 - Protection of tie transformer (500/220KV) 500MW (GEC ALSTHOM relays).
 - Protection of Bus Bars 500 and 220KV (GEC ALSTHOM relays).
 - Protection of Bus coupler 220KV (ABB relays).
 - Protection of medium Voltage Switchgear 11KV (ABB relays).
 - Testing of Fault Recorders (IDM) and Fault Locators (ABB relays).
 - Engineering and replacing the old fusion fault recorder by the newer Digital fault recorder (IDM).
 - Tester used: omicron - severker780 - Mainta - Xs92a - QZW415.
 - My work in maintenance testing of GIS 500/220KV including:
 - Interlock test.
 - Close & open test C. B.
 - Batteries and battery chargers.
 - UPS system 220V, 60KVA.
 - Control panels, low voltage motor control centers (M.C.C) and load centers.
 - Power center 6.3/0.4KV.
 - Heat tracing system.

Employer : National Excellence for Construction and Energy (NECE), KSA

Project : 132/13.8KV BSP AL-LITH Project

Job title : Testing & Commissioning Engineer

- Job Description** :
- Functional & Operation checks.
 - LCC testing & Protection relays testing.
 - CT Testing and CT loop secondary injection.
 - VT Testing and VT loop secondary injection.
 - CB & ES/DS Testing.
 - Gas analysis test.
 - Station Interlocking and Master interlocking.
 - High Voltage Testing.
 - Primary resistance test for GIS.
 - Scheme and function check for LOW impedance BB protection panels.
 - CT primary injection and BB stability test.
 - 132/13.8KV transformer stability.

- Scheme and function check for line feeder protection panels and operation control panels.
- Scheme and function check for transformer protection panels.
- Test advanced relays (SEL (411L.487), SIEMENS 7SD522, 7SS522, 7SD610).
- Scheme Check, Functional & Operation checks for control panels.

Project : 380/132/13.8KV BSP DUBA Green Project

Job title : Testing & Commissioning Engineer

Job Description :

- Scheme and function check for high impedance BB protection panels.
- CT primary injection and BB stability test for 132KV.
- CT primary injection and BB stability test for 380KV.
- 380/132KV auto-transformer stability.
- Scheme and function check for line feeder protection panels and operation control panels.
- Scheme and function check for breaker failure and trip circuit protection panels.
- BB stability with High impedance scheme.
- TEE connection stability.
- Test advanced relays (micom p142, p546, p643, p841, REB650, REQ650, RED670).
- Final trip test for HV & EHV GIS from all protection systems & reviewing over all tripping system.