

Holds a B. Sc. in Electrical Engineering and has about 12 years experience working in protection, testing and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/03/1988
Gender : Male
Marital Status : Married
Residence : Damanhour

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Network Training Center, Cairo: Protection Fundamentals, Instrument Transformer & Power Measurement, Distance Protection, Differential Protection, Bus Bar Protection, Transformer Protection, Digital Protective Relays Philosophy.
- : Central Sector for Protection, Cairo: Siemens relays software, Bus Bar Protection, SEL relays.
- : Ministry of Electricity (Training Sector), Cairo: Electrical Harmonics Analysis.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2021 till 2022
Employer : ELSEWEDY and THE ARAB CONTRACTORS
Project : Juluis Nyerere Hydropower Project, Tanzania – 400KV S/S
Job Description :

- Commissioning of EHV equipment like CT, VT, CB, DS, ES.
- Review protection and control schematic diagram.
- Review the setting values and configuration for the protection relays

(ABB).

- Testing and Commissioning protection relays (RED 670 FOR LINE DIFFERENTIAL AND DISTANCE PROTECTION – RET 670 DIFFERENTIAL PROTECTION FOR SHUNT REACTOR, STABILITY TEST AND POWER TRANSFORMER, STABILITY TEST - REB 670 FOR B.B. PROTECTION AND STABILITY TEST).

Dates : From 2020 till 2021
Project : Distributed Control Centers – Schneider Project
Job Description :

- Installation P3U30 SCHNEIDER RELAY and modification the signals and schematic of the panels for SCADA SYSTEM.
- Review the setting values and configuration for the protection relays P3U30.
- Testing and commissioning the Relay.

Dates : From 2011 till 2020
Employer : Egyptian Electricity Transmission Company - Protection Sector
Job Description :

- Testing and commissioning protection relays in transmission and distribution systems (up to 220KV).
- Review protection and control schematic diagram.
- Commissioning of HV equipment like CT, VT, CB, DS, ES.
- Electrical protection relays programming for setting and faults analysis (ABB (CAP, PCM), SIEMENS (SIPROTEC series), and AREVA (Micom series) protection relays).
- Install and commissioning new electrical protection relays (overcurrent – distance relay – differential for power transformers – Busbar protection relay - load shading).
- Handle with trouble shooting in protection and control schemes.

Periodic tests of protective relays & Setting up New Apparatus & New Distributors including all commissioning Tests:

- Alex Zone (from 2011 till 2015):
 - Borg El Arab 220/66/22, 11KV.
 - Soumed 220/11KV.
 - Free Zone 220/66/11KV.
 - El Omid 220/66/22KV.
 - Free Zone I 66/11KV.
 - Amria Cement 66/6.3KV.
 - Borg Industrial 66/20, 11KV.
 - New Amria 66/11KV.
 - El Agamy 66/11KV.
 - South Karmouz 66/11KV.
 - Banger El Sukar 66/11KV.
 - El Werdian 66/11KV.
 - El Hamra 66/11KV.
 - El Alamain 66/11KV.
- West Delta Zone (from 2015 till now):
 - West Damanhour 66/11KV.
 - Aburesh 66/11KV.
 - New Damanhour 66/11KV.

- Damanhour Power Station (220KV, 66KV).
- Zarkoon 66/11KV.
- New Mahmoudia 66/11KV.
- Halk Elgamal 66/11KV.
- El Boselly 66/11KV.
- Rasheed 66/11KV.
- Rahmánya 66/11KV.
- Mahmoudia Power Station (220KV, 66KV).
- New Mahmoudia Power Station (220KV, 66KV).

Projects:

- EL OMID S/S – Installation, testing and commissioning for new transformer 220/66KV:
 - Laying cables from switchgear to Marshaling kiosk, control panel and protection panel.
 - Installation testing and commissioning for protection and control panels.
 - Testing interlock scheme.
 - Testing and commissioning transformer electrical and mechanical protections.
 - Applying and testing final setting for protection relays.
 - Energize transformer and connecting with network.
- SOUMED S/S - Upgrading the switchgear apparatus and panels for 2 transformers 220/11KV:
 - Upgrading C.B, Isolators, CT, for 220KV side from oil and air-blast to SF6.
 - Upgrading for 2 OHTL C.B, Isolators, CT and VT for 220KV from oil and air-blast to SF6.
 - Upgrading for coupler C.B, Isolators, CT for 220KV from oil and air-blast to SF6.
 - Testing interlock scheme.
- SOUTH KARMOUZ S/S - Upgrading, testing and commissioning for Transformer 66/11KV from 25 MVA to 40 MVA:
 - Change connection for CT ratio for HV side and LV side.
 - Wiring check for all cables from switchyard to control and protection panels.
 - Testing interlock scheme.
 - Applying and testing new setting for protection relays.
 - Checking alarm and trip signals from field to control and SCADA.
 - Energize transformer and connecting with network.
 - Applying modification in drawing.
- FREE ZONE S/S - Installation testing and commissioning for new 11KV Section (ABB):
 - Connecting internal wiring for 1 incomer, 6 outgoing, 1 coupler panels.
 - Connecting ring wiring for AC, DC, VT and alarm signals.
 - Testing protection relays for all panels.
 - Testing interlock scheme.
 - Applying and testing final setting with CB trip.
- Mahmoudia Power Station (220KV) – Installation, testing and commissioning for new Transformer 220/66KV:
 - Laying cables from switchgear to Marshaling kiosk, control panel

- and protection panel.
- Installation testing and commissioning for protection and control panels.
- Testing interlock scheme.
- Testing and commissioning transformer electrical and mechanical protections.
- Applying and testing final setting for protection relays.
- Energize transformer and connecting with network.
- RASHEED S/S - Installation testing and commissioning for new 11KV Section (ABB):
 - Connecting internal wiring for 1 incomer, 6 outgoing, 1 coupler panels.
 - Connecting ring wiring for AC, DC, VT and alarm signals.
 - Testing protection relays for all panels.
 - Testing interlock scheme.
 - Applying and testing final setting with CB trip.
- NEW DAMANHOUR S/S:
 - Installation, testing and commissioning for new 11KV Section (ABB):
 - ❖ Connecting internal wiring for 1 incomer, 6 outgoing, 1 coupler panels.
 - ❖ Connecting ring wiring for AC, DC, VT and alarm signals.
 - ❖ Testing protection relays for all panels.
 - ❖ Testing interlock scheme.
 - ❖ Applying and testing final setting with CB trip.
 - Installation, testing and commissioning alarm panel:
 - ❖ Installing panel in the tray.
 - ❖ Internal plate cutting with specified dimensions.
 - ❖ Installing (10) alarm modules.
 - ❖ Laying cables from all panels 66KV (6 OHTL, 4 power transformers).
 - ❖ Testing alarm signals from field to SCADA through alarm panel.