

Holds a B. Sc. in Communications & Electronics Engineering and has about 16 years of experience in testing and witnessing electrical and safety works for all aspects in electrical substations in Egypt and Saudi Arabia (for voltage levels 66KV, 110KV, 132KV, 220KV, 380KV & 500KV).

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/04/1974
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Communications & Electronics Engineering, Cairo University, 1997

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Protection concepts.
: Transformer differential.
: Distance relays.
: Bus bar differential protection.
: PCB (Printed circuit board).
: Fiber optic cables.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : Since 4 years
Employer : DAR Engineering, KSA
Job title : Team Leader of Witness team work

- Job Description** : Witnessing Testing of Electrical Equipments in KSA:
- Mecca: Al-Shameya I (110KV) Ss, Al-Shameya II (110KV) Ss, Bathaa' Quraish (110KV) Ss.
 - Al-Shoiba (380KV) Ss, Mecca West (380KV) Ss.
 - Jeddah: Guiza (110KV) Ss.
 - Tabuk Area: Tabuk 10 (132KV) Ss, Tabuk 6A (132KV) Ss, Tabuk University (132KV) Ss, Tabuk 4 (132KV) Ss, Tabuk 5B (132KV) Ss, Dhuba II (132KV) Ss, Al-Bida (132KV) Ss, Tima' (132KV) Ss, Haql (132KV) Ss.
- Dates** : From Apr. 2000
- Employer** : Ministry of Electricity
- Project** : Canal Zone: 7 governorates – about 80 S.S. 66KV, 26 S.S. 220KV & 2 S.S. 500KV – about 350 Power Transformers
- Job title** : Protection Engineer / Manager of Testing Dept. in Canal Zone
- Job Description** : Testing Electrical Equipments in Egypt:
- Cairo City: Cairo 500 (500KV) Ss (Substation), Cairo West Power Plant (500KV) Station, Al-Tebbin 500 (500KV) Ss, Cairo North (220KV) Ss & Al-Basos (220KV) Ss.
 - Ismailia Governorate: AlManayef (220KV) Ss, Abo Sultan (220KV) Station, Ismailia North (66KV) Ss, Ismailia South (66KV) Ss, Al-Senaia (66KV) Ss, Al-Qantara Gharb (66KV) Ss, Abo Sultan (66KV) Ss, Fayed (66KV) Ss & Al-Qassasin (66KV) Ss.
 - Port Said Governorate: Al-Raswa (220KV) Ss, Port Said 66 (66KV) Ss, Profouad (66KV) Ss, Al-Gameel (66KV) Ss & South of Sahl Al-Husseinia (66KV) Ss.
 - Al Sharqeya Governorate: Sherwieda (220KV) Ss, New Sharqeya (220KV) Ss, many (66KV) substations.
 - Red Sea Governorate: Hurghada (220KV) Ss, Hurghada (66KV) Ss, Hurghada Center (66KV) Ss, Safaga (220KV) Ss.
 - North and South Sinai Governorates: Al-Qantara Sharq (220KV) Ss, Be'r Al-Abd (220KV) Ss, Sharm El-Sheikh (220KV) Ss, Al-Nabq (220KV) Ss, Nowaiba' (220KV) Ss, Taba (500KV) Ss, Taba (66KV) Ss, Sharm El-Sheikh (66KV) Ss & Al-Shiakh Zowayed (66KV) Ss.
 - Aswan Governorate: Edfu (220KV) Ss.
 - Qena Governorate: Naga Hammadi (66KV) Ss.
 - El-Behira Governorate: Damanhour Power Plant (500KV) Station.
 - Petrofac Petrol Site in Marsa Matrouh (11KV) Ss.

List of Manufacturers for Ss Equipments:

- Siemens
- ABB
- SEL
- GM
- Areva
- Schneider
- MR
- Romania TR's
- France Transfo
- Elmaco

- Hyundai

- Field of experience** :
- Experienced in Power Transformer:
 - Insulation resistance.
 - Winding resistance, exciting current measurement.
 - Vector group.
 - Magnetic balance.
 - Single and three phase impedance, Zero sequence impedance.
 - Turns ratio test.
 - Oil dielectric breakdown voltage.
 - Mechanical protection.
 - Gauge calibration.
 - Tap changer function test.
 - Control panel and fans function test.
 - Bushing Ct tests.
 - Experienced in HV Switchgears:
 - CTs (Insulation, Ratio, Polarity, winding resistance, VA burden & magnet Curve).
 - PTs (Ratio, Polarity, insulation, winding Resis, VA Burden).
 - GAS Tests (GIS gauge test and due point, purity test and leakage test).
 - CB (Insulation, conductivity, timing and function, max and min operation).
 - BB Conductivity test.
 - Disconnectors test.
 - Signals (Interface with Annun., mimic, SER, scada and FR).
 - Measurements (MW, MVAR, V, A, F meter).
 - Interlock and synchronizing system.
 - HV Test.
 - LCC Function & scheme check test.
 - Experienced in MV Switchgears:
 - CTs (Insulation, Ratio, Polarity, winding resistance, VA burden & magnet Curve).
 - PTs (Ratio, Polarity, insulation, winding Resistance, VA Burden).
 - CB (Insulation, Conductivity, timing and function, max and min operations).
 - Mech. Interlock.
 - BB Conductivity.
 - Elec. Interlock and synchronizing system.
 - Signals (Annunciation, Mimic, SER, Scada and FR inter phase).
 - HV test.
 - Measurements (power meter).
 - LV Compartments Function & Scheme Check test.
 - Experienced in Protection:
 - Power transformer protection:
 - Transformer Differential Protection.
 - Restricted Earth Fault Protection.
 - Differential & REF stability Test.
 - Over current & Earth Fault Protection.
 - Thermal over load Protection.
 - Sensitive Earth Fault Protection.
 - Final settings and Trip tests.
 - Line Protection Relays:

- Distance Relays.
- Over current and Earth fault Relay.
- Line differential relay & End to End Test.
- Stability test.
- Thermal over load relay.
- Bus bar Protection:
 - HV Bus Bar protection.
 - Bus bar stability test.
 - MV Bus bar Protection & Bus bar stability test.
- Worked in more than 100 electrical substations and successfully tested many equipments: GIS, power transformers, voltage transformers, current transformers, circuit breakers, lightening arresters, all types protection relays (BBP, Line Diff., Line Dist. Thermal Overload, Transformer Diff., REF, 51NGR, 51 SEF, OC, Load Shedding) & SAS (Substation Automation System).