

101476-ELE-GPT-E-1994
Testing & Protection Engineer / Project Manager

Holds a B. Sc. in Electrical Power Engineering and PMP course. Has about 17 years hands-on experience in testing and protection and full understanding of the EHV/HV substation & transmission lines.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/01/1971
Gender : Male
Marital Status : Married
Residence : Qalubiya

EDUCATION

: B. Sc. in Electrical Power Engineering, Zagazig University, 1994

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2000

TRAINING COURSES AND CERTIFICATIONS

: Training course for Project Manager Prof. (PMP) at APM Academy.
: Electronic power control devices.
: Basics of control and Protection fundamentals on E.H.V. networks.
: Technical training for 5 months with Schneider Co. for testing & commissioning of a complete S/S 220KV (all GIS equipments and all protection relays).
: Training course for management and decision making at Al Fanar Co. – KSA.
: Taking training courses on the maintenance, operation, control and protection of the HV Transformer's Power S/S equipments at the Training Centers of the Egy. Elec. Authority.
: English courses (8 levels) at Defense Language Institute.
: Windows 98, 2000, XP and Office Applications (Word, Excel, Power Point), AutoCAD 2000.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2011 till now
Employer : EETC
Job title : Cairo North S/S Coordinator
Job Description : Manage, coordinate, training and technical support for our team protection department.

Dates : From 2002 till 2011
Employer : AL-FANAR Co. – KSA
Projects : Different HV S/S in KSA:

- 132/33KV:
 - 8827, 8814, 8813, 8802, ... Qassiem – KSA.
 - 8007, 8008, 8057, ... Riyadh – KSA.
- 110/13.8KV:
 - HRM-3, Azizia-2, Misfalah, ... Makkah – KSA.
 - BMK, EH2, WZR, JAM, ICY3, ICY4, HRJ, SLM and El-Ajwad, El-Yamamah ... Jeddah – KSA.
- 380/110/13.8KV:
 - Jed. North S/S, Thuwal, Jamiah, KND S/S ... Jeddah – KSA.
 - Kandarah, 9013, 9003 ... Riyadh – KSA.
 - Makkah West S/S ... Makkah – KSA.
- Power Plant 380KV:
 - MKH North S/S, PP3 S/S Jeddah ... KSA.

Job titles : Testing & Commissioning Engineer to Project Manager
Job Description :

- Technical support and supervise the testing / commissioning activities.
- Adjusting the complete schedules for the overall project.
- Inspection of the equipments / materials received at site.
- Coordinate and supervise the work of all activities (electrical installations, testing & commissioning, etc.) and keep all people under safety conditions and monitor final completion of the work.
- Coordinate all the activities with SEC & CONSULTANT peoples within schedules.
- Coordinate with SEC & CONSULTANT offices to discuss/resolve any problems executed during working at the site.
- Arrange all documents and records of the project (O&M manuals, specification, factory test results, site test results, approved drawings, etc.).
- Responsible for management of purchasing raw materials and required components and spare parts delivery at the end of the project.
- Arrange outages for remote end substations for cabling and commissioning.
- Monitor the progress of the project and submitted daily report to the head office.
- Review of drawings and modify as per SEC requirement and get approval.
- Review the adequacy and accuracy of punch list and try to cover it as possible.
- Monitoring for all matters and check the work as per specification at site.

- When the project go to finalize, I arrange these liters:
 - TCC (Technical Completion Certificate) after complete T&C.
 - PAC (Partial Acceptance Certificate) after energizing S/S.
 - FAC (Final Acceptance Certificate) after punch list clearance S/S.
- My mother company AL-FANAR, gives me a chance to work with many companies at KSA as a subcontractor such as ABB, SIEMENS, AREVA, Schneider, BEMCO, BABTIEN, AL-GIHAZ, SAECO, VATECH, MEEPCO, etc. and many consultant offices.
- I tested different types of relays:
 - Siemens:
 - 7SS522 Bus bar and CBF Prot. R.
 - 7SA522 Distance Prot. R.
 - 7SD502, 522 Line Differential.
 - 7UT621 Tranf. Differential.
 - 7SJ 61, 7SJ 602, 7SJ 551 (O/C, E /F, O/L).
 - 7SV 512 C.B.F.
 - 7RW60 Load shedding (U/V, U/F).
 - ABB:
 - RADHA, INX-5, REB500, REB103 Bus bar Prot. R.
 - RET521, RADSB, MBCH, SPCD 346C Tranf. Diff. R.
 - RAZFE, L8b, RAZOA, REL 316, 521, 531, 561, Dist. Relay.
 - RED670 Line Diff. Relay.
 - FCN 950-2, SPAF 340C Under/over Frequency Relay.
 - SPAU 341C, MR100 Voltage Regulator.
 - MFAC14, SPAE010 Tranf. Restricted.
 - RASC Synchro-check, REXA 103 Auto Reclosure.
 - ALSTOM:
 - MBCZ Bus bar Prot. Relay.
 - KAVS100 Synchrocheck Relay.
 - KBCH Differential Relay.
 - In general "micom studio & PSL".

Dates : From 1995 till 2001

Employer : EETC

Projects : Different EHV S/S::

- Abu Zaabal, 500/220/66/11KV (Mitsubishi).
- Sabtia-2, 220/66/11KV (Schneider).
- Bassos, 500/220/66/11KV (Siemens).
- Cairo North, 220/66/11KV (Siemens).
- Bahteem, 220/66/11KV (AEG).
- Elmenia Industrial, 66/22KV (ABB).
- 10th of Ramadan, 220/66/11KV (Schneider).
- Al Fayoum, 220/66/11KV (Areva).

Job title : Protection Engineer

Job Description :

- Drafting, design, distribute the Elec. Power and Control cables.
- Working as a Protection Engineer at H.V. Transformer's Power S/S.
- Studying and reporting all types of fault analysis happen on the HV networks.
- Studying and working for all types of S/S schemes, one & one and half & double bus bar schemes and breaker failure schemes.

- Taking experience in design of control, interlocking, protection, synchro-check systems, trip CKT & closing commands and alarms schemes.
- Studying the calculations of CT & VT and final setting for many prot. Relays.
- Taking experience in function test, trip test, stability test, End to End test, etc.
- Taking experience in troubleshooting in all protection and control systems.
- Making all tests on GIS & switchyard and switchgear equipments.
- Skill in operation of all types of relays static and digital, communicate to relays by manual or computer software (degsi, cap, Rebwin, PCM, Micom, etc.).
- Testing & commissioning all types of relays, busbar Relays, dist. Relays, differential Relays, CBF Relays, O.C / E.F Relays, thermal over load Relays, load shedding Relays, TCS Relays, auto reclosure Relays, transformer AVR Relays, synchrocheck Relays, etc.
- Making stability test on Transformers & Busbars & cable differential for different voltage level.
- Taking a scope of work as a witness on the commissioning team of 220/66/11KV transformer's power station "10th of Ramadan S/S - Egypt" carried out by Schneider Co.