

Holds a B. Sc. in Electrical Power & Machines Engineering and a Diploma in Electrical Power Engineering. Has about 15 years hands-on experience working in maintenance, protection, testing and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/01/1984
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2006
: Diploma in Electrical Power Engineering, Alexandria University, 2014

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2019 till now
Employer : Edra Power Holding SDN BHD
Project : Sidi Krir Power Plant Units 3 & 4
Job title : Senior Electrical Engineer
Job Description :

- To participate in preparing maintenance activities reports, daily, weekly, monthly, quarterly and annually as required.
- Prepare drawings and procedures for maintenance activities.
- Provide assistance technical support and cooperation to subcontractors and vendors.
- Perform the maintenance work of electrical system such as:
 - Power transformer 220/23.5KV & 23.5KV/6.3KV.
 - Generator and excitation system.
 - Verify correct function of electrical protections.

- Medium voltage system switchgear and motor 6.3KV.
- Low voltage system load center (LC), motor control center (MCC) and motor.
- Battery, Battery Charger, Inverter (UPS), local control panel, etc.
- Emergency diesel Generator.
- Interface with operation for the application and preparation of work permits.

- Dates** : From Sep. 2014 till Jul. 2019
- Employer** : Arab Technical Co. Ltd., Energy Projects and Services Division - Saudi Arabia (Rent all times to ABB Service Co. Ltd., Dammam, through a subcontractor)
- Projects** :
- AL MASHAAR Substation 380/110/13.8KV – Makah (Jan. 2015 – Jun. 2015): Initial switching & Commissioning Electrical Engineer (GIS 380KV)
 - Perto Rabigh phase II project – Rabigh (Aug. 2015 – Nov. 2015): Testing & Commissioning Electrical Engineer (Medium Voltage 6.6KV)
 - Replacement of Bus-bar and other Protections in Substation 2B Project – Yanbu (Dec. 2015 – Sep. 2016): Installation, Testing & Commissioning Electrical Engineer (Protection relays)
 - Protection Relays Upgrade (Replacing All Existing Relays CCE Make) – Jubail (Oct. 2016 – Apr. 2017) (phase 1): Site, Installation, Testing & Commissioning Electrical Engineer (Protection relays)
 - Protection Relays Upgrade (Replacing All Existing Relays REF542 PLUS) – Jubail (Apr. 2017 – Jun. 2017): Installation, Testing & Commissioning Electrical Engineer (Protection relays)
 - Protection Relays Upgrade (Replacing All Existing Relays CCE Make) – Jubail (Jul. 2017 – Nov. 2018) (Phase 2, 3, 4): Site, Installation, Testing & Commissioning Electrical Engineer (Protection relays)
 - Power system protection Upgrade in SAFCO 2, 3 & 4 – Jubail (Feb. 2019 – Apr. 2019): Installation, Testing & Commissioning Electrical Engineer (Protection relays)
 - Field Service for ABB products (MV switchgear, protection relays) - Carry out product and system testing and material proving activities to provide assurance that these operate to the prescribed technical specifications. Checking existing problems. The following customers:
 - ARAMCO, Yanbu.
 - FARABI, Jubail.
 - PETROCHEMIA, Jubail.
 - SWCC, Yanbu & Jubail.
 - TASNEE, Jubail.
 - Waraq, Dammam.
 - NWC Eammar, Yanbu.
- Job title** : Field Service Engineer
- Job Description** :
- Execute testing and commissioning activities for HV/MV/LV protection and control systems.
 - Preparation of test procedures, test formats, ITP, Method of statement, Cut-over plan and testing equipment's.
 - Report any failure to the Manufacturer and analysis for any troubleshooting case.
 - Effective planning, estimating, scheduling and monitoring of work

activities.

- Responsibility on site Safety for Self and Team & Managing contractor Testing ABB.
- Prepare Toolbox Talk, SOT (Safety observation Tour) and pre-start check.
- Working as APR (Acceptance work permit receiver).
- Working as ABB P.I.C.W (Person in Charge of works)
- Reading, implementing and understanding the Engineering drawings, schemes.
- Relay Setting Calculation and Configuration of logics as per schematic diagram & Testing and Commissioning of Relays for various needs.
- Bus bar stability for 34.5KV MV SWGR.
- Transformer 115/34.5KV & 115/13.8KV Stability.
- Experience with NUMERICAL RELAYS:
 - SIEMENS Relays:
 - ❖ 7SK80 Motor protection relay.
 - ❖ 7Sj80xx - 7sj60xx Feeder protection.
 - ❖ 7VE6 - Synch check Relay.
 - ❖ 7UT612 - Transformer differential protection.
 - ABB Relays:
 - ❖ REB 500 - REB 611 Bus bar protection.
 - ❖ RED615 - Line Diff protection.
 - ❖ REF630 - 615 - 610 - REX521 - REF542 Plus - Feeder protection.
 - ❖ REM 543 - 615 - 620 - Motor Protection.
 - ❖ RET 615 - 620 - Transformer differential protection.
 - ❖ REU 615 - Voltage & frequency protection.
 - ❖ SPAU 341 C1 Voltage regulator.
 - ❖ SUE3000 - Fast transfer relay.
 - GE Relays:
 - ❖ T60-T35-745-Transformer differential protection.
 - ❖ 369-469 - Motor Protection.
 - ❖ MIFII - MIVII Feeder & Voltage Protection.
- Familiarity with Testing Sets:
 - FREJA 300 3-Ph secondary injection test kit.
 - B10E Variable DC supply.
 - Programma EGIL circuit breaker analyzer.
 - Phoenix BK130 AC dielectric test system (HI pot).
 - SVERKER 760 1-Ph secondary injection test kit.
 - OMICRON CPC100 primary test system.
 - Programma TM1800 circuit breaker analyzer.
 - ODEN Primary injection test kit.
 - Megger MIT 520/2 5kv insulation tester.
 - Programma MOM200 and Megger DLRO Contact Resistance Micro-Ohmmeter.
 - ZeroWaste-IR6L SF6 Analyzer and many another tests sets.

Dates : From Sep. 2009 till Aug. 2014
Employer : WDEPC
Project : Abu Qir Power Plant 2x650MW

- Job titles** : • Electrical Maintenance Engineer (May 2012 – Aug. 2014)
• Site & Commissioning Electrical Engineer (Sep. 2009 – May 2012)
- Job Description** : • Perform stations protection; develop equipment specifications for protection equipment in the station, develop project drawings to document protection, develop wiring diagrams from schematics, generating bills of materials, and applying field mark-ups of project as-built drawings with minimal supervision.
- Participating in making the predictive Maintenance Programs and supervise it for protection system.
 - Testing many types of protection relay like Siemens, ABB, GE (7SJ8031, 7SK8031 & 7SJ6021 - "T60, T35, MIFII & MIVII").
 - In addition to follow commissioning tests and witnessed testing of switchgear Siemens 500KV & 6.6KV Equipment's and protection relay.
 - Give technical direction and supervision to a team of engineers and technicians for the installation, commissioning and maintenance activities for all Job duties.
 - Witness the factory tests (FAT) at EMAS factory, following the installations and Perform commissioning of 6.6KV switchgears "Simoprime", 0.4KV load centers "Sivacon" with its transformers and 0.4KV MCCs.
 - Perform commissioning of (Siemens & ABB) low voltage motor management and protection devices (Simocode & UMC100).
 - Follow all commissioning tests fast transfer devices (ABB-HSTD (SUE3000)).
 - Testing Dry power transformers (6.6/0.4KV).
 - Inspection all materials that received at site (MRR inspections).
 - Maintenance of distribution transformers (11/0.38KV).
 - Responsible for troubleshooting and maintenance of high power slip ring motors and dc motors control.
 - Maintain and repairing troubleshoot pneumatic control circuit.
- Employer** : EEHC, Alexandria Electricity Distribution Co.

Relays Software Application Skills:

- PCM600 – CAP505 (for ABB product).
- REF542PLUS Configuration & Operating Tools (for ABB product).
- EnerVista (for GE MULTILIN products).
- DIGSI (for SIEMENS products).