105449-ELE-15CMPSTyz-E-2000
Senior Electrical Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 18 years hands-on experience working in installation, testing, commissioning and maintenance.

PERSONAL DATA

Nationality	:	Egyptian
Gender	:	Male
Marital Status	:	Married

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2000

LANGUAGES

Arabic	:	Native Language
English	:	Fluent

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Integrated Boilers Maintenance Course.
: Integrated Transformers & Generators Maintenance Courses.
: Integrated Water Desalination Course.
: Theoretical & Application for AC Machines Courses.
: Industrial Safety.
: Large Transformers and Sizing.
: Grounding Grid Design and Equipment Bonding.
: Circuit Testing Procedure.
: Project Surveillance.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Sep. 2012 till now
Employer	:	Saudi Bin Ladin Group (SBG)

Project : Central Utility Complex Station for Cooling with Capacity of 120,000 ton (24 chillers, each chiller has 5000 ton) and Backup Power 88 MVA for The Holy Haram in MAKKAH ALMAKRMA, the cost of the projects 15 billion Saudi Riyal and the Manpower 6000 labor.

Job title : Senior Electrical Engineer

Job Description :

- Responsible for Installation and testing & commissioning of Electrical Equipment's as following:
  - 33 Nos. Medium Voltage Switchgear (13.8KV Metal clad).
  - 24 Nos. Chiller Unit.
  - 14 Nos. Medium Voltage Emergency Generator.
  - 54 Nos. Dry Type Transformer (13.8KV/400V).
  - 147 Nos. Low Voltage Switchboards, MCCs, and ATS.
  - 31 Nos. DC Systems (110V dc, 24V dc).
  - 24 Nos. Medium Voltage Starter.
  - 12 Nos. Medium Voltage Variable Speed Drive.
  - 100,000 mt. of Medium Voltage cables.
  - 500 mt. Bus Duct between Switchgears and Transformers.
  - Neutral Ground System and Neutral Ground Resistors for Generators.
  - SCADA System.
  - UPS System and Central Battery System.
  - Earthing Grid Network and Lightning Arrestors.
- Review invoices for Subcontractors and preparing all progress reports.
- Review the methods of statement and the test report formats.

Dates : From Jul. 2010 till Sep. 2012

Employer : Advanced Vision

Project : King Saud University Consist of Ten Colleges, Recreation Area, Housing and Villa Area, Utility Area, Hospitals, Train and Medium Voltage Stations with Cost reach Four billion Saudi Riyal and Manpower reach 4000 labor.

Job title : Zone Manager

Job Description : Responsible for Installation and testing & commissioning of Electrical Equipment's as following:

- 11 Nos. Medium Voltage Switchgears (13.8KV Metal Clad).
- 35 Nos. Medium Voltage Switchgears (13.8KV SM6).
- 30 Nos. Dry Type Transformer (13.8KV/400V).
- 10 Nos. Low Voltage Emergency Generators (each Generator 2.5MVA).
- 22 Nos. Oil Type Transformers.
- 350 mt. Bus Duct from Generators to Step up Transformers.
- 40 Nos. MDBs and MCCs.
- 70,000 mt. Medium Voltage Cables.
- 46 Nos. DC Systems (110V dc).
- UPS System.
- Earthing Grid Network and Lightning Arrestors.

Dates : From Dec. 2006 till Jul. 2010

Employer : PGESCO

Project : El-Kureimat Power Station, 2 Units (each unit 3x250MW Combined Cycle): Consist of Four combustion Turbines and Two Steam Turbines, The full capacity is 1500MW

Job title : Lead Electrical Engineer

Job Description :

- Responsible for Installation and testing & commissioning of Electrical Equipment's as following:
  - Four Combustion Turbines, each one 250MW (SIEMENS & GE).
  - Two Steam Turbines, each one 250MW (Hitachi & ALSTOM).
  - 4 Nos. Circuit Breakers (16KV Vacuum Type) (ABB).
  - 6 Nos. Step Up Transformers (16/220KV) (Hyundai).
  - GIS One and Half Bus Bar 220KV (SIEMENS).
  - 8 Nos. Medium Voltage Switchgears (ABB).
  - 10 Nos. Load Center.
  - 24 Nos. MCCs.
  - Two Emergency Generators.
  - 45,000 H.V Cable 220KV.
  - 1800 mt. Medium Voltage Bus Duct.
  - UPS System.
  - DC System (120V dc).
  - Grounding Grid Network and Lightning Arrestors.
- Review all Project Documents, RFI, MRR, IR and the invoices.
- Review the Test Procedures and Test Formats.

Dates : From Dec. 2003 till Dec. 2006

Employer : East Delta for Power Generation

Project : Ayoun Moussa Thermal Power Plant 2x320MW

Job title : Electrical Maintenance Engineer

Job Description :

- Maintenance of MCC & AC/DC Motors.
- Operation and Maintenance of 6.3KV Switchgear and 400V MCC.
- Diagnostic AC and DC Motors Problems, Routine and Periodic Maintenance for Motors.
- Testing of the protection devices for (220/500KV) (Siemens, Alstom, GE and Schneider).
- Testing for C.T & V.T (220/500KV).
- Annual Maintenance and Testing of Transformers (15/220/500KV) (Oil & Dry), switchgear.
- Operation Maintenance of GIS high voltage (220/500KV) Switchyard.
- Maintenance and Testing of Dc System (110V dc and 48V dc).
- Maintenance of Generator Unit and Excitation System (Cimadine).
- Maintenance of Desalination and Water Treatment Units.

Dates : From Jun. 2003 till Dec. 2003

Employer : Amiron Egypt (Concrete Pipes)

Job title : Electrical Maintenance Engineer

Job Description :

- Maintenance of MCC, DC Machines & AC/DC Motors.
- Maintenance of Emergency Generator (480V).

Dates : From Jan. 2000 till Jun. 2003

Employer : Egyptian Military Air Force

Job title : Officer Engineer

Job Description :

- Maintenance of Electrical Diesel Lighting Machine.
- Maintenance of Electrical Lighting Runways.

- Maintenance of Oil Type Transformer (66/11KV).

Skills:

- Co-ordinate for with other departments for all project stages including concept design, preliminary design, detail design and approval.
- Follow up with the updated requirements from departments for implementation.
- Represent Owner interests in projects and government meetings to ensure work carried out is in line with client's requirements and government regulations and attends discussions with departments.
- Review and approve manufacturers 'main-switchboard panels for all projects.
- Keep records and documents for projects handled.
- Mentor junior engineers which include providing clarifications for electrical site engineers.
- Liaising with related departments and vendors to achieve optimal design.