CURRICULUM VITAE
Mohammed Ebrahim Mattar

Objective

Dedicated, professional, and highly experienced lead/principal electrical engineer who has been in the field for nearly 24 years in design and supervision. Proficient in a wide variety of engineering tasks and software. Excellent communication and time management skills. Reliable and strives to go above and beyond to deliver a project that meets and exceeds expectations of the client.

Personal Data

Citizenship: Bahraini 710104251
Date of Birth: March 12, 1971
Marital Status: Married, 5 children
Languages: Fluent in both Arabic & English.
Driving License: Valid, issued from Kingdom of Bahrain.
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Membership

1- Member licensed at Committee for Organising Engineering Professional Practice, Registration No.:EPP/BN/10/BS/12-B.
2- Provisional Engineer at Electricity Distribution Directorate, Registration No.: E166/05.
3- Member at Saudi Council of Engineers No. 291997 specialization in Electrical Engineering.
4- Member Expert at Ministry of Justice in Kingdom of Bahrain No. 710104251.

Education

June 1993 Umm Al-Qura University , Makkah , Saudi Arabia , Bachelor's degree in Electrical Engineering and computer science.

Professional Experience

Over 24 years of experience in the field of electrical engineering in electrical power systems as design , implementation of LV/HV schemes , designing and supervising of residential , testing & commissioning for all types of projects , commercial and high-rise electrical projects implementation including extra low voltage systems and management. In addition to that, the following are the main aspects of main offshore installation design:-

1- Preparation of single line diagrams.
2- Preparation of schematic power distribution diagrams.
3- Control circuit schematics.
4- Cable layout drawings and electrical panel drawings.
5- Calculation of demand load and types of emergency loads.

6- Ensure that designs and equipment performance comply with local and international standards and codes, regulatory aspects and project policies.
7- Integrate electrical system design into site layout optimization studies.
8- Provide input to outline design of the project during development and pre-construction.
9- Manage, coordinate or be involved in key supplier meetings for electrical equipment and meetings with suppliers for critical packages.

2nd January 2018 – 1st November 2018, Engineering Electrical Manager
Green Energy Company
The following are main duties:-

1- Implementing a good communications strategy within a project to ensure that all team members are regularly briefed and up to speed with what is going on.
2- Managing sub-contractor installation programs.
3- Working on civil projects and distribution facilities.
4- Involved in the selection of specialists, suppliers and third parties.
5- Regularly inspect works for compliance.
6- Maintaining project records, diaries, letters, e-mails, notices, drawings site records, and computer data.
7- Coordinating site activities and making sure resources are used effectively.
8- Prepare organizational procedures and rules strategy.

4th November 2015- up to August 2017, Head of Electrical Department
AL-Memariah Architectural Design House Co.

Supervise the following projects of hospitals:-

1- Bisha Hospital 150 beds(Supervision)
2- Azizyah Hospital 100 beds(Design and Supervision)

The following points are supervised for hospitals/triage:-
1- Communicate with clients, other engineers, and other relevant parties to ensure current engineering projects are on task and to resolve problems in professional ways.
2- Supervised a team of electrical engineers for applying the rules and complying with codes and standards.
3- Directs and coordinates electrical activities of projects to ensure project progresses on schedule and within prescribed budget.
4- Identify and negotiate problems or technical issues that arise.
5- Watch for safety, health and environment regulations.
6- Attend staff meeting and process site instructions.
7- Follow up progress as per construction programmed.
8- Preparation of weekly, monthly report.
9- Following the method of statements, RFI's and letters.
10- Material on-site inspection, site work ongoing inspection.

11 - Review all electrical shop drawings /plans/specifications/technical reports and materials submittals.
12- Review and evaluate all electrical codes (NEC article 517,700/NFPA 70/99/20/110).
13- Review MV/LV single line diagrams of the electrical system showing source and segregation of the essential electrical system and clarify all components as normal, critical, life safety, or equipment.
14- Review drawings with details of all panels, switchboards and equipments.
15- Review load calculations, panel schedules that indicate rating of panel, feeder conductor, and feeder over current protective device, branch/system (critical, life safety, equipment) and loads served.

16- Checking schedules showing all feeders phase and ground conductors, conduit sizes, estimated lengths, and over current protective devices and make sure to code compliance.
17- Meet all the electrical requirements of electrical power source for all wiring devices including receptacles, lights, switches, junction boxes, power outlets and telephone outlets.
18- Review all extra low voltage systems drawings and materials submittals.

Design the following projects of hospitals:-

1- **Rabiah Hospital 200 beds(Design)**
2- **West Expansion Dallah Hospital 300 beds(Design)**

The following design points are considered:-

1- Identify non-essential electrical system, essential electrical system (life safety branch/critical branch).
2- List of symbols/abbreviations.
3- Show service entrance, distribution system, service transformer, and generator location.
4- Identify specifications for fire alarm system showing the location of all devices and show connection to life safety power source. Same for Nurse call system.
5- Identify all equipment's that to be certified by a nationally recognized testing laboratory including X-RAY and diagnostic equipment.
6- Prepare emergency power, requirements, applicable codes for electrical/mechanical rooms, generator room, materials installation, fire pumps room, patient areas/rooms, wet areas, anesthetizing areas, chiller rooms, elevators, food preparation area, nurse stations, medication preparation area, pharmacy, isolation rooms, pediatric locations, MRI/CT SCAN/ICU, delivery room, emergency room, etc.
7- Identify corridors exits/entrances for egress illumination, exit signs, etc.

November 1ST 2009- up to 3rd November 2015, Senior Electrical Engineer
Omrania & Associates

Design of MV/LV projects as well as preparation of specification for the following projects:-

1- MOI projects. (Design)
2- MOH projects. (Design)
3- CMA project, this project consists of one tower of almost 74 levels with podium (Design 2 years, supervision 5 years)

The following supervision points are achieved:-

1- Attend job progress meetings.
2- Prepare electrical plans to do day to day supervised design and management of projects.
3- Provide feedback on recommended changes to drawings and specifications.
4- Establish and develop strong client relationships.
5- Review all shop drawings produced by contractor.
6- Review material submittals.
7- Review MV/LV single line diagrams with all load schedules.
8- Resolve all conflicts and problems on site.
9- Respond on all RFI's and any technical electrical problems.
10- Achieve codes and standards as per specifications.
11- Attend all site visits and reporting on all construction process to resolve all conflicts.
12- Evaluate any change orders raised by contractors.

4- King Abdulla Waqf, Madinah-Kingdom of Saudi Arabia. (Design)

November 2007-11th October 2009, Head of electrical Design Department
Al-hamad Construction and Development Co. W.L.L.

Design, supervise and build of all residential, Commercial and industrial LV electrical Projects implementation for the following Projects:-

1- Villamar Project, this project consists of 3 towers of almost 50 level with podium consisting of retail, shopping, parking and different types of villas.
2- Marina West Project, this project consists of 10 towers of 20 levels with one hotel and services.

Responsibilities

Office Works:-

1- Selected to manage complex projects of high rise towers valued up to $635 throughout kingdom of Bahrain including planning, concept design, development design, and managing resources.
2- Successfully supervised and coordinated activities of up to 25 design staff.
3- Communicated continuously with different clients, subcontractors, project teams to expedite project execution to meet deadlines.
4- Guided multi-functional teams of design, systems engineering and technical support professionals working on various components of projects.
5- Established roles and responsibilities that clearly defined tasks and improved overall organization and profitability.

6- Managed projects, schedules and prepared proposals of technical documentation.
7- Managed work in progress to maintain quality control and keep projects on schedule.
8- Established standards and policies for all types of projects in accordance with engineering and safety codes.
9- Preparing submittal to EDD of all documents pertaining to the project.
10- Clearing building permission.
11- Controlled, updated and submitted all stages of design for schematic and as-built drawings to clients.
12- Performed calculations and developed drawings for lighting , power, communication, earthing, lightning protection and fire alarm system .
13- Preparing correspondence to client and all suppliers.
14- Prepared technical documents and schemes for the projects.
15- Performed sizing calculations for power cables and distribution systems.
16- Coordination with different clients handling the project.
17- Attending all meetings pertaining to projects with client and suppliers.
18- Preparing cable rout's layout.

Site Works:-
1- Directed construction activities and conducted on-site inspections.
2- Running the site and coordinating between client and other parties involved in the projects.
3- Supervision of Equipment Erection, control, cables laying, Installation of cable trays and execution of all electrical works such as lighting, earthing, lightning protection, Fire alarm system, etc.
4- Supervision and follow-up the site testing of all equipments
5- Handing over the projects on time.
6- Clearing defects of projects after commissioning.

December 2005-October 2007, senior electrical Design Engineer
MSCEB-Kingdom of Bahrain
Design and supervise of all residential, commercial and industrial LV electrical projects implementation for the following projects:-
1- Banader Hotel of 30 floors.
The following are designed and used as a guide for the above hotel:-
1.1 Identify electrical distribution/basic power monitoring system/electrical plans and specifications.
1.2 Prepare power monitoring and analysis system.
1.3 Prepare load schedules, power factor correction, single line diagrams, etc.
2- Salmaniyah Medical Center-Manama (4 storey building), 203600sq-ft, 80 beds.
3- KFH at WTC of 10 floors.
4- Uneeco Factory.
5- Riffa Views.
6- International School-Riffa views.
7- Arab Bank.
8- BBK bank-West Riffa.

Major works of the above projects are similar to the above projects working in Villamar project and marina west.

January 2002- November 2005, Engineering Manager
Al-Ezah Electrical Contracting & Building Maintenance
Est. - Kingdom of Bahrain.

Office works:

1- Preparation of cost estimation of various projects.
2- Preparation of submittals and invoices.
3- Preparation of As-Built drawings and O&M manuals for the projects.
4- Planning time schedule of the projects.
5- Initiating all correspondence with corps of engineers.
6- Performed calculations and developed drawings for lighting, power, communications, earthing, etc.
7- Prepared technical documents and HV/LV schemes.

Site works:

Managing the site, attending site meetings, supervising, testing and commissioning, coordinating with EDD and other directorates and handing over the projects on time.

March 1994-December 2001, Electrical Planning Engineer
Ministry of Electricity & Water, Kingdom of Bahrain
Electricity Distribution Directorate

Duties included carrying HV and LV schemes , reinforcement, applications for electricity supply, voltage drop calculations, cost estimation for all types of projects, design of all types of substations, evaluation of tenders related to materials used in distribution Network, wiring diagrams and design.

October1993-March 1994, Electrical Engineer
Bahrain Atomiser International, B.S.C.
East Riffa-Kingdom of Bahrain

1- Supervised installation, testing and commissioning of lighting and small power systems as well as fire alarm system.
2- Involved in all types of electrical equipments to ensure compliance with IEE specifications.
3- Supervised installation for electrical systems for KANOO showroom.

Training

July 1993-August 1993, Trainee Engineer
Ministry of communications
Makkah-Kingdom of Saudi Arabia.

Worked in field installation, equipment trouble shooting, maintenance of various electrical equipments used in the primary substations.

February 1991-May 1992, Trainee Electrical Engineer
Ministry of works, Power & water.
Muharraq-Kingdom of Bahrain

1- Witnessed field installations and participated in all types of inspection in houses.
2- Duties also included analysis of all various faults occurring in the buildings.

August 1990-September 1990, Trainee Electrical Draftsman
Al-Komed Engineering Services Co. W.L.L.
Kingdom of Bahrain

Worked on design of lighting and power systems, load calculations, layout of buildings including room index, load density, substation site, LV protection and single line diagrams for Ministry of finaince and national economy headquarters project.

Courses

1- Power system planning and control.
2- Professional skills of the employee.
3- IEE short course: Testing Commissioning methods in buildings.
4- General Employee and his attitudes.

Skills

1- Team building, possess analytical ability.
2- Well organized, self-motivated worker and active team player.
3- Computer proficient in MS office, MS project.
4- Capable of maintaining and repairing electrical equipments.
5- Quick learner, self-starter, versatile and can adapt to any environment.
6- Hard working, possessing excellent written and verbal communication skills.
7- Have strong organizational and planning skills.
8- Capable of managing several complex tasks at a time.

Hobbies

Reading Engineering books, table tennis, swimming, fishing and football.