

**SHABABALI ANWAR MIRKAR**  
**ELECTRICAL ENGINEER**

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**Saudi Council Membership No:** 403107



### OBJECTIVE

A process driven professional targeting a full-time opportunity in your reputed organization where I can effectively utilize my experience and abilities in Electrical designing for the growth of the organization.

### CORE COMPETENCE

- |                                     |                                  |                                 |
|-------------------------------------|----------------------------------|---------------------------------|
| ~ Detail Design Engineering         | ~ Electrical Design Calculations | ~ Electrical Schematic Drawings |
| ~ Project Estimation                | ~ BOQ preparation                | ~ Procurement support           |
| ~ LED Lighting control (DALI & DMX) | ~ Interior Lighting Design       | ~ Façade lighting               |
| ~ Site survey                       | ~ Installation supervision       | ~ Testing & commissioning       |

### SKILL SET

- Over 18 Year,8Months of collective experience in the field of LV systems, Home Automation and LED Lighting systems.
- **Electrical Design calculations** based on relevant IS, IEC & SBC standards.
- **AutoCAD** based Electrical Drafting.
- **Revit MEP** based Building Information Modeling (BIM) of Electrical systems.
- **ETAP based MV & LV network analysis** including Load flow studies, short circuit analysis & Earthing grid design.
- **DIALux** based interior lighting design and simulation.
- **Integration of DMX system & DALI controller** to achieve efficient lighting control of Outdoor and Indoor spaces.
- Strong interpersonal skills and ability to work in a team environment.
- High organizational skills in managing multiple projects simultaneously.
- Aptitude to learn about new products and technologies.

### TECHNICAL EXPERIENCE

**Electrical Engineer**  
**(Technical Dept.)**  
**Riadat Al Maemura International**  
**co.ltd**

27 Nov 2024 – STILL WORKING

Riyadh, Saudi Arabia

**:Responsibilities:**

- Prepare electrical design calculation including Load calculation, lighting, small-power and earthing calculations.
- Select appropriate sizes of Transformer, DG set, cable trays, cables, MDB, SDBs, DBs, capacitor banks and ATS based on load calculations.
- Prepare detailed technical specifications of electrical equipment and components adhering to project requirement.
- Guide draftsman to produce electrical diagram, schematics and layouts for implementation.
- Conduct electrical system analysis using ETAP software to ensure proper sizing and performance of electrical systems, considering voltage drop, short-circuit currents and fault protection.
- Collaborate with multidisciplinary teams, including engineers and architects to coordinate electrical design activities.

- Review and verify the accuracy of electrical drawings to ensure they meet project specifications and quality standards.
- Preparation of Material Approval Request (MAR): Ensures materials comply with project standards

### **Electrical Draughtsman Engineer**

**(Technical Dept.)**

**First Fix Company.**

22 April 2024 – 18 AUGUST 2024 (4 Months)

Riyadh, Saudi Arabia

**Projects Involved:**

- ✓ Royal Arts Complex – KSP (King Salman Park) --- Riyadh, Saudi Arabia.
- ✓ Temporary Interim Terminal 2 – TIT2 (NEOM BAY AIRPORT) --- Sharma, Tabuk, Saudi Arabia.
- ✓ NEOM Base Economy Assets (NC 2) --- Sharma, Tabuk, Saudi Arabia.

**Responsibilities:**

- Prepare electrical design calculation including Load calculation, lighting, small-power and earthing calculations.
- Select appropriate sizes of Transformer, DG set, cable trays, cables, MDB, SDBs, DBs, capacitor banks and ATS based on load calculations.
- Prepare detailed technical specifications of electrical equipment and components adhering to project requirement.
- Guide draftsman to produce electrical diagram, schematics and layouts for implementation.
- Conduct electrical system analysis using ETAP software to ensure proper sizing and performance of electrical systems, considering voltage drop, short-circuit currents and fault protection.
- Collaborate with multidisciplinary teams, including engineers and architects to coordinate electrical design activities.
- Review and verify the accuracy of electrical drawings to ensure they meet project specifications and quality standards.
- Stay updated on industry trends, emerging technologies.
- Preparation of Material Approval Request (MAR): Ensures materials comply with project standards
- Preparation of Non-Conformance Report (NCR): Reports deviations from specifications and corrective actions
- Preparation of inspection Test Plan (ITP): Specifies inspection and test processes, standards, and approval points

### **Electrical Draughtsman Engineer (Design Dept.)**

**EL Seif Engineering contracting company**

18 March 2012– 18 March 2024 (12 Year)

Riyadh, Saudi Arabia

Meet the client, architect and PMC to assess customer needs and provide expert advice on electrical and lighting products.

- Demonstrate the lighting effect of lighting fixtures to the client at the site to select the suitable lighting combination.
- Provide inputs to lighting designer to propose lighting renders and designs using DIALux evo for presentation to the client.
- Perform Electrical design calculations such as Circuit breaker selection, cable sizing, short circuit analysis, Voltage drop calculations, MDB & DB sizing, Load schedule and Earthing system as per the approved concept design.
- Develop SLD, Power schematic and electrical layout drawings as per the calculations for approval prior to execution.
- Design control schematic diagrams for RGB lighting fixtures controlled by the DMX system.
- Prepare cost estimates, project schedules and progress reports as required by the manager.
- Preparation of Material Approval Request (MAR): Ensures materials comply with project standards
- Preparation of Non-Conformance Report (NCR): Reports deviations from specifications and corrective actions
- Preparation of inspection Test Plan (ITP): Specifies inspection and test processes, standards, and approval points

### **Lead Electrical Draughtsman (Design Dept)**

**BK Gulf L.L.C**

July 2008 – Sept 2011 (3 Years, 2 Months)

Al Deira, Dubai, UAE

**Facade Lighting**

- Study the lighting design given by the designer and select the appropriate façade lighting fixtures.
- Prepare SLD, Electrical layout and Power connection schematic using AutoCAD for the purpose of execution.
- In the case of the RGB Lighting concept, select appropriate switching power supply and control devices such as DMX controllers, DMX Transceiver, DMX Decoder and Signal Amplifier.
- Visit the site to ensure that the installation is done in accordance with submitted shop drawings.

### Interior Lighting

- Propose a suitable lighting design for interior premises considering the usage of the area and lux requirements.
- Select appropriate lighting fixtures as per the guidelines of the client and/or the senior designer.
- Prepare DIALux report containing the technical specifications, photometric details and lighting layout.
- Attend the meeting with the client's team to plan the installation and resolve issues during the installation at the site.

Electrical Draughtsman (Electrical Dept.)

**Orient Electric . Ltd.**

July 2003 – Feb 2004 (1 Year, 1 Month)

Mumbai, Maharashtra state, India

- Meet the client and site engineer to explain the features and functioning of home automation products.
- Understand the requirements of the client and provide automation solutions based on the site condition.
- Conclude the suitable locations for the placement of the automation devices considering the technical standards and site feasibility.
- Prepare Lighting layout and Automation schematic drawings in AutoCAD.
- Propose interior lighting design using DIALux software.
- Create an estimate and an official proposal for the customer based on the project requirements.
- Capture specific information about the home, including measurements, and take photos to document the project.
- Visit the site to check the work progress and make sure all the provisions are provided for the installation.
- Capable of handling multiple sites with continuous follow-up.
- Led a team of technicians during the installation at site

Designer (Electrical)

**New Fire Consulting Engineer**

May 2005 – Jun 2007 (2 Year, 1 Months)

Mumbai, Maharashtra state, India

- Perform Electrical design calculations including short circuit analysis and voltage drop calculation.
- Sizing and selection of Transformer and DG Set.
- Designing, product selection and preparing installation drawings for CCTV & Fire Alarm systems.
- Preparation of all Electrical drawings such as Lighting Layout, Power Layout, Earthing Layout, ELV s

## MAJOR PROJECTS

- **KING ABDULLAH IBN ABDULAZIZ (MOI KAP-2A)-(KSA)**
  - > Prepared SLD, Power connection schematic, Electrical layout and Electrical equipment BOQ.
  - Installation supervision, Integration of Lighting fixtures with DMX controllers testing of fixtures and successful commissioning of the entire lighting system.
- **KING ABDULLAH FINANCIAL DISTRICT RIYADH (P117) -(KSA)**
  - > Prepared SLD, Electrical schematic, Power layout & low current services.
- **FIVE STAR HOTEL -HAIL CITY (P115) (KSA)**
  - > Prepared SLD, Electrical schematic, Power & lighting layout.
- **THE INDEX TOWER @ DIFC Site (DUBAI)**
  - > Prepared SLD, Electrical schematic, Power layout and SITC quotation.
  - > Installation supervision, testing of fixtures and successful commissioning of the entire lighting system.
- **NETWORK UNIVERSITY (DUBAI)**
  - > Site survey, Prepared SLD, Electrical & control schematic, Power layout and SITC quotation.
  - > Installation supervision, Integration of Lighting fixtures with DMX controllers, testing of fixtures and successful commissioning of the entire RGB lighting system.
- **DAMAS TOWER (DUBAI)**
  - > Installation supervision, Testing of fixtures and successful commissioning of the entire lighting system.
- **TRAVANCORE HERITAGE STRUCTURES (KERALA) (12 buildings which include Masjid, Church, Temple, Convention center, Govt. Office buildings and Museums)**
  - > Prepared SLD, Electrical & control schematic, Power layout and Electrical equipment BOQ.
  - > Installation supervision & Integration of Lighting fixtures with DMX controllers
  - > Testing of fixtures and successful commissioning of the entire RGB lighting system.

- **Intercontinental Hotel (MUMBAI)**
  - > Installation supervision, Testing of fixtures and successful commissioning of the entire lighting system.
- **BRIDGE (MUMBAI)**
  - > Installation supervision, Integration of Lighting fixtures with DMX controllers, Testing of fixtures and successful commissioning of the entire lighting system.

## ACADEMIC DETAILS

- **DIPLOMA (Automobile Engineering.) MAHARASTRA STATE BOARD APRIL/MAY2003 (INDIA).**
- **S.S.C: MAHARASTRA STATE BOARD MARCH/1998 MAHARASTRA STATE BOARD(INDIA).**
- **H.S.C: MAHARASTRA STATE BOARD FEBRUARY/2001 (INDIA).**

## COMPUTER & COURSE SKILLS

- **AUTO CAD- ALL LATEST VERSION**
- **AUTODESK REVIT BIM**
- **PRO-E**
- **PMP TRAINING ONLINE COURSE**
- **ARTIFICIAL INTELLIGENCE FUNDAMENTALS ONLINE COURSE**
- **POWER POINT**
- **MICROSOFT EXCEL**
- **ADOBE ACROBAT**

## LANGUAGES KNOW

- **ENGLISH**
- **URDU**
- **HINDI**
- **ARABIC**

## PERSONAL INFORMATION

- **Nationality** : Indian
- **Date of Birth** : 05/05/1982
- **Passport No** : R2444617
- **Valid up to** : 11/03/2027
- **Iqama Transferable** : 2321488195
- **Valid up to** : 05/08/2025
- **Gender** : Male
- **Marital Status** : Married