

Baber Khurshid Khan

Electrical Engineer

+966544663002, baberkhurshid321@gmail.com, Address, Riyadh Saudi Arabia

Profile Summary

Technically proficient Electrical Engineer with 8 years of experience contributing to the successful execution of complex electrical and infrastructure projects. Expertise spans various sectors, including multi-story buildings, hospitals, villas, apartments, and infrastructure. Adept at collaborating with cross-functional teams to achieve project goals and deliver high-quality results.

Industry

1. Construction Buildings Projects

2. Infrastructure Projects

Work Experience

Fajr Construction Company

Tabuk Province, Saudi Arabia

Electrical Engineer

03/2023 - Present

Project:

- Red Sea Amaala Triple Bay Project, Al Wajh, Tabuk Province.

Sites:

- Wellness
- Rosewood
- Six Senses
- Four Season
- Marina
- Staff Village

Key Responsibilities:

- Spearheaded all electrical works across Triple Bay Red Sea's asset portfolio, ensuring seamless project execution and adherence to stringent quality standards.
- Reviewed and optimized Issued for Construction (IFC) drawings, proposing critical modifications for shop and red-line drawings, resulting in improved constructability and reduced on-site rework.
- Collaborated directly with the client (Red Sea Global), serving as the primary point of contact for all electrical-related matters, fostering strong client relationships and ensuring project alignment.
- Conducted load calculations and determined optimal sizing for generators, breakers, and cables, ensuring efficient and reliable power distribution throughout the project.
- Oversaw the installation of critical electrical infrastructure, including transformers, switchgear, RMUs, generators, synchronization panels, ATS, MDBs, and SMDBs, guaranteeing seamless integration and operational readiness.
- Supervised site installation activities and ensured compliance with project specifications and international standards.
- Developed and implemented operation and maintenance schedules post-installation.
- Represented Fajr Co. as the lead Electrical Engineer in client meetings, effectively communicating technical information and ensuring client satisfaction.
- Managed coordination with other contractors to resolve underground utility clashes and ensured safe routing of services.
- Executed the installation and termination of LV cables for both construction sites and buildings, adhering to strict safety protocols and industry best practices.
- Led the MEP team in the successful installation of drinking stations throughout the Triple Bay project, ensuring timely completion and adherence to project specifications.
- Managed the installation of lighting poles and SLP panels, ensuring proper illumination and safety across the project site.
- Supervised the installation of underground LV cables, coordinating with relevant stakeholders to minimize disruption and ensure efficient project execution.
- Conducted weekly meetings and joint inspections with the client, securing approvals for Work Inspection Requests (WIRs) for all electrical work, ensuring transparency and accountability.
- Developed and delivered periodic safety training programs for on-site contractors, focusing on the safe operation and maintenance of electrical tools and equipment, minimizing workplace incidents.
- Managed the periodic maintenance of SMDBs and FDBs, ensuring optimal performance and preventing potential electrical failures.
- Implemented and maintained effective cable management systems within buildings and site offices, ensure organized and safe cable routes during installation.
- Prepared and delivered accurate as-built drawings, documenting all electrical installations and ensuring accurate record-keeping for future maintenance and modifications.

ALM Rail Solutions Est.
Electrical Engineer

Riyadh, Saudi Arabia
10/2021 – 09/2022

Projects:

- Yamamah palace Project k88

Key Responsibilities:

- Managed all Low Voltage (LV) and Extra Low Voltage (ELV) electrical works, ensuring seamless project execution and adherence to industry standards.
- Developed and executed comprehensive electrical work plans, coordinating effectively with mechanical and civil teams to optimize project timelines and resource allocation.
- Estimated and allocated resources (manpower, materials, consumables, equipment, and tools) required for on-site electrical works, ensuring efficient project delivery within budget.
- Collaborated with consultants and clients to address and resolve design-related challenges, facilitating effective communication and project alignment.
- Performed load and voltage drop calculations prior to finalizing electrical system schematic diagrams, ensuring system stability and optimal performance.
- Reviewed and validated shop drawings and as-built drawings, ensuring accuracy and compliance with project specifications.
- Oversaw all electrical installations, including conduiting, wiring, outdoor ducting, and cabling, ensuring adherence to safety regulations and quality standards.
- Scheduled and coordinated site operations to ensure timely completion of all LV and ELV works within project deadlines.
- Analyzed Bills of Quantities (BOQs) and technical specifications, implementing project drawings effectively on site to ensure accurate execution.
- Ensured all electrical works were executed in strict accordance with approved drawings and project specifications, maintaining quality and compliance throughout the project lifecycle.
- Delivered daily progress reports and provided regular updates to the project manager, ensuring transparent communication and proactive issue resolution.
- Closed out all work orders upon verification of completion, ensuring accurate documentation and project closure.

Seven Stars Construction Company
Electrical Engineer

Islamabad Pakistan
12/2017 – 05/2021

Projects:

- DHQ Hospital project.
- Stadium Project.
- Housing Society Construction Project

Key Responsibilities:

- Managed power distribution, lighting, emergency power systems, fire alarms, and other essential electrical components. Ensured these systems meet safety codes and functional requirements.
- Responsible for adhering to strict safety regulations and codes (like the National Electrical Code) to protect patients, staff, and the public in hospitals and large crowds in stadiums.
- Manage the electrical portion of the project, coordinating with other engineers, contractors, and stakeholders to ensure timely completion and adherence to budget.
- Oversee the testing of electrical systems to ensure they function correctly and safely. Also develop maintenance plans to keep the systems running reliably over time.

Memberships & Certifications

- Saudi Council of Engineers (SCE)
- Pakistan Engineering Council (PEC)
- Red Sea Global Approval
- Ethical Hacking & Cybersecurity for industrial control systems
- Transformations in Electrical Design in the Era of AI
- Mastering Digital tools for Engineering works
- Construction Using Digital Tools

Education

Mirpur University of Science & Technology AJK, Pakistan

2017

Bachelor's degree in electrical engineering

Key Skills

- Power Systems
- Transformers
- ATS (Automatic Transfer Switches)
- Building Infrastructure Wiring
- MDBs
- Feeder Pillars
- Electrical Design
- Troubleshooting
- Software and Tools
- LV Panels
- Load Calculations
- Switchgear
- RMUs (Ring Main Units)
- Synchro Panels
- Distribution Boards (DBs)
- SMDBs
- Light Poles
- Protection and Coordination
- Testing and Commissioning
- CAD
- Earthing System
- Generators

IT Skills

- MS Excel
- Oracle Aconex
- MS Power point
- Microsoft Outlook
- MS Word
- CAD

Personal Details

- Iqama 2507287155
- Passport BB4143082
- Driving License Valid – Saudi Arabia
- Date of birth 15 July 1996
- Marital Status Married