

Benazir Ali Khan

Electrical Engineer

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Profile

LEED Certified and Estidama Pearl Qualified Professional

having overall 7 years of experience in MEP construction field.

Expert in Electrical Services:

Design, Execution, Construction document review, Procurement, Technical site support & coordination of MEP services.

Handled various types of residential and commercial projects:

including Large infrastructure Projects like Dubai Mall Fashion Avenue Expansion, Opera House, New York University, Abu Dhabi Airport Terminal (MTB) , ADNOC , Abu Dhabi Armed forces officers club & villa and Madinat Jumeirah.

Key experience

- Electrical Design & Execution
- Familiar with DEWA/FEWA regulations
- International standards/Regulations
- ELV system
- Fire alarm & Emergency Lighting
- Auto-CAD
- Matlab
- Amtech
- Dialux
- Bluebeam Revu
- Autodesk Design Review

Professional membership/ Certifications

LEED Green Associate-USGBC

Peal Qualified Professional-Estidama Pearl Building Rating System

MIET

Society Of Engineers-UAE

Qualifications

B.Tech in Electrical & Electronics Engineering
(University 2nd Rank Holder of Degree in Electrical Engineering)

Visa Status

Employment Resident Visa

Nationality / Languages

Indian/English, Hindi, Malayalam, Tamil

Experience with WS Atkins (June 2019 – Present)

Electrical Engineer:

- Designing the Electrical services such as (Lighting/Power/Fire Alarm/Emergency & ELV system) in accordance with scope of work and in line with Authority standards/regulations.
- To prepare the cable calculations, voltage drop calculation, lighting calculation and other design calculations, Specifications, Detailed Design and IFC Drawings for the project work in accordance with contract conditions and time constraints to ensure customer satisfactions.
- Conducting the site surveys to understand the actual scope of work and effectively designing the system.
- Conducting the FAT inspection for the LV switchgear, generator and other electrical system along with the site team and providing the approvals.
- Electrical drawings, load schedule and other required document submission to DEWA/FEWA for obtaining authority approvals. Attending meeting with the authority personal in regard to design submission.

- Review of Pre-Qualification document, material submittals and shop drawing.

Experience with Al Shirawi Electrical & Mechanical Company (Feb 2016 – May 2019)

Electrical Engineer:

- Electrical drawing preparation, load schedule preparation and Voltage drop calculation meeting the DEWA regulation.
- Preparing material submittal for consultant review with all the technical documents and getting approvals.
- Installation, testing and commissioning of electrical power, internal lighting, external lighting and lighting control system.
- Installation, testing and commissioning of low current system including fire alarm, voice evacuation, emergency lighting, CCTV system and access control.
- Designing and installation of the service rooms like Substation room, LV room, Electrical room, generator room as per the project requirements and authority standards.
- Engineering, supervision of cable pulling, cable termination, containment system.
- Controlling the site work by periodic site inspection to maintain the quality of work.
- Lead a team of technicians, and giving solutions/decisions on time to time site issue
- Coordinating with mechanical, civil engineers and design consultant for proper service coordination and successful completion of project.
- Planning the manpower and the material for a period of one month as per the overlook up project program
- Attending the regular site project status meeting, discussing the issues and taking the remedial actions.
- Following up with DEWA for the NOC, LV & HV submission, inspection approvals, transformer, meter delivery and HV cable termination.
- Procurement of all electrical materials required for project, meeting all the technical requirements and specification.
- Having good rapport with the suppliers and negotiating to meet the project budget
- Tracking the project status by maintaining the drawing submittal log material submittal log, long lead item log.

Experience with BK Gulf LLC (June 2014 – Feb 2016)

Junior Electrical Engineer

- Review of electrical design drawings and documents.
- Containment design calculation and routing.
- In charge of reviewing shop drawings for Lighting, Power, ELV systems.
- Designing the floor and ceiling openings for the builder's work.
- Routing of BMS trunking, Lighting control trays, AV and security trunking.
- Electrical room designing.
- Preparing overall report of the cable tray, trunking and cable schedule for each level.
- Coordinating with the site team and assisting in coordination of the services, arranging materials for the project.
- Preparing change reports (CCA) for Lighting, Power, Containment & Emergency lighting drawings
- Technical site support & Co-ordination activities
- Preparing estimation report of all LV and ELV services like lighting, small power, earthing, Wi-Fi, Access control, security, fire alarm systems using Bluebeam software

Experience with Tata Consultancy & Services (Dec 2012 – Jan 2014)

System Engineer

- Collaborated with team of Test Data Management and Global Communication System in the development of American Express Credit Card maintenance project
- Researched market competitors and industry trends to identify potential new products and services.
- Test data was managed; the defects were raised and recorded, and finally validated.

Experience with 220 KV Sub-station (March 2012 – Dec 2012)

Electrical Engineer-Trainee

- Maintained operator logs, forms and records in accordance with company policies and DOT regulations. Documented daily equipment inspections and submitted daily inspection forms to supervisor.
- Listened to warning alarms and responded accordingly
- Designed Power point presentations for monthly divisional meetings with top- level executives. Investigated issues and problems and drafted responses to urgent requests.
- Learned the SCADA software and their operations
- Developed and managed third-tier resolution process to resolve issues originating from the customer retention team.
- Investigated issues and problems and drafted responses to urgent requests.
- Developed and provided ongoing tracking to division-wide customer complaints for annual government audits. Handled and distributed all incoming and outgoing mail.
- Wrote and distributed meeting minutes to appropriate individuals.
- Created and maintained computer- and paper-based filing and organization systems for records, reports and documents