

ALI AZGAR JABBAR ALI

Senior Electrical Engineer

CONTACT INFORMATION

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 -  Kingdom of Saudi Arabia
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PROFESSIONAL EDUCATION

- **B.Sc. in Electrical & Electronics Engineering**
 - America Bangladesh University, Dhaka
 - Graduation Year: 2004
 - Grade: A (GPA 3.75 / 4.00)
 - **Graduation Project:** Low Voltage & Earthing System – *Excellent*
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EXPERIENCE

Electrical Department & Construction Manager with over **20 years (2005-2026) of experience** in Hospitals, five-star hotels, high-rise buildings, and commercial projects. Strong background in electrical engineering, construction management, estimation, and design-build projects. Proven leadership in managing multidisciplinary teams, subcontractors, and consultants. Developing comprehensive project schedule to meet critical milestone, resolving on site challenges efficiently and operational productivity.

CONSULTANCY

Provided massive consultancy of electrical and ICT of organization in design, construction, manufacturing, electrical substation and hospitals

Specialize Knowledge

- AutoCAD
- NEC/NFPA Standards.
- IEEE Standards.
- NFPA
- Saudi Building code.

Skills

- Leadership and supervisory, strategic judgment, management
- Organizational planning ability, coordination skills, time-management.
- Capacity to analytical skills, troubleshooting, critical thinking.
- Creativity, innovation and initiative.
- Collaboration, cooperation, collegiality.
- Versatility.

LANGUAGES

- Bangla – Native
- English – Professional
- Arabic – Working
- Hindi – Conversational
- Urdu – Conversational

Responsibilities:

- Lead electrical department operations for large-scale hospital and high-rise projects
- Installation of MV/LV systems including transformers, switchgear, panels, and bus ducts
- Review and approve electrical designs, drawings, and technical submittals, ensuring accuracy and compliance with project requirements.
- Coordinate with other engineering disciplines, contractors, and consultants to resolve technical issues and ensure smooth project execution.
- Monitor the progress of electrical works, identifying potential risks and implementing corrective actions as needed.
- Conduct regular site inspections and audits to ensure quality control and adherence to safety protocols.
- Provide technical guidance and mentorship to junior engineers and site staff.
- Prepare and present reports on project status, electrical works progress, and any issues that may arise.
- Prepare master plans from concept to detailed master plan stage, including HV/MV/LV dry utility corridor space proofing, defining ROW requirements, and coordination with wet utilities, ICT, telecom, roads, transportation, landscape, and building design teams.
- Develop master plan reports, including demand load calculations, sizing of major equipment and circuits, selective protection coordination, and definition of tie-in point requirements, covering dry utilities and infrastructure from concept to IFC stage.

- Design electrical and ELV systems for STPs, RO plants, stormwater, sewage, and irrigation pumping stations, including lighting, small power, earthing, lightning protection, telecommunications, security, and fire detection and alarm systems.
- Prepare design reports, specifications, tender documents, and associated documentation, and secure design approvals for various project phases through coordination with clients, authorities, and sub-consultants.
- Review design reports and documents prepared by other consultants and issue formal design review reports with comments and recommendations.
- Prepare technical proposals and project estimates, conduct technical evaluations of bids, and prepare technical bid evaluation reports.
- Perform value engineering on technical options and prepare value engineering reports with recommendations.
- Respond to contractor RFIs, and review and approve key technical submittals related to electrical works and dry utilities.
- Independently develop and/or supervise the design of HV, MV, and LV systems and networks for large and mega infrastructure projects, including defining project scope, preparing budgets and schedules, planning and directing the work, and reporting status.
- Liaise with electricity authorities (SEC) to obtain power supply master plan approvals, load NOCs, LV and MV design approvals, distribution substation approvals, and to manage all related applications, NOCs, and design submissions.
- Prepare complete load calculations documents as per SEC requirements for SEC approval.
- Act as a project or discipline lead engineer on various projects and provide technical guidance and input to CAD designers/drafters, designers, and junior/mid-level engineers on the project.
- Power supply & Electrical loads calculations.
- Distribution System & Main SLD.
- VFD & Soft starter & Motor starter.
- Cables Ducts & Distribution System.
- MV Switch Gear, Power Transformers, MCC, Control Panels.
- Standby Power Supply Gen-set
- Indoor Lighting & Outdoor Lighting
- Installation of complete electrical systems for commercial, industrial and residential complexes.
- Backup Power Supply UPS
- Earthing & Lightning Protection System
- BHU, Nurse Call System, Master Clock, IP Telephone System.
- Public Address system, Access Control, CCTV,BMS.
- Fire Alarm system, smoke detector, Flame detector, advance fire control panel with auto dialler.

WORK HISTORY

- Job Title: Electrical Department Manager
 - Employer: Seder Construction Co.
 - Description of project: Makka General Hospital 500 Bed, KSA
 - Project Cost: Multi Million
 - From:10/08/2022 To: Till date
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- Job Title: Electrical Department Manager
 - Employer: Seder Construction Co.
 - Description of project: Jizan General Hospital, KSA
 - Project Cost: Multi Million
 - From:01/03/2020 To: 09/08/2022
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- Job Title: Electrical Department Manager
 - Employer: Seder Construction Co.
 - Description of project: King Khaled Hospital, Tabuk (Renovation) , KSA
 - Project Cost: Multi Million
 - From:17/11/2014 To: 24/06/2019
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- Job Title: Electrical Department Manager
 - Employer: Seder Construction Co.
 - Description of project: King Khaled Hospital, Nejran (Renovation) , KSA
 - Project Cost: Multi Million
 - From:15/02/2014 To: 02/03/2018
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- Job Title: Electrical Department Manager
 - Employer: Seder Construction Co.
 - Description of project: Spimaco Tower Building (king fahad road) Riyadh, KSA
 - Project Cost: Multi Million
 - From:\06/05/2014 To: 02/08/2017
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- Job Title: Electrical Department Manager
 - Employer: Seder Construction Co.
 - Description of project: Akaria Housing Project. Diplomatic zone, Riyadh, KSA
 - Project Cost: Multi Million
 - From:11/11/2013 To: 26/09/2016
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- Job Title: Electrical site &Tech. Engineer
 - Employer: AL-REDWAN&SEDER CO.
 - Description of project: G.O.S.I Housing Project, Diplomatic Area, Riyadh, KSA
 - Project Cost: Multi Million
 - From:16/5/2010 To : 10/11/2012.
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- Job Title: Electrical site &Tech. Engineer & BMS.
 - Employer: AL-REDWAN&SEDER CO.
 - Description of project: Princess Al-Anoud Tower-2, Riyadh, KSA
 - Project Cost: Multi Million
 - From:01/03/2009 To: 31/08/2012
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- Job Title: Electrical Site &Tech. Engineer
 - Employer: AL-REDWAN&SEDER CO.

- Description of project: Knowledge Economic City Housing Project, Madinah KSA
 - Project Cost: Multi Million
 - From:09/04/2010 To : 04/09/2011

 - Job Title: Electrical site &Tech. Engineer
 - Employer: AL-REDWAN&SEDER CO.
 - Description of project: King Abdullah Economic City-Resort Cove-Phase 1, Jeddah, KSA
 - Project Cost: Multi Million
 - From:23/7/2008 To: 12/06/2009.

 - Job Title: Electrical site &Tech. Engineer & BMS.
 - Employer: AL-REDWAN&SEDER CO.
 - Description of project: Orphan's Tower Project, Riyadh, KSA,
 - Project Cost: Multi Million
 - From:30/10/2006 To : 6/9/2008

 - Job Title: Electrical site &Tech. Engineer & BMS.
 - Employer: AL-REDWAN&SEDER CO.
 - Description of project: Princess Al-Anoud Tower 1, Riyadh,KSA
 - Project Cost: Multi Million
 - From:28/02/2005 To : 31/05/2008
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PROFICIENCY

Equipment Code Or Standard

Generator step up transformer /ANSI & IEC

Power transformer / ANSI & IEC

Cast resin transformer / ANSI & IEC

Low voltage induction motor / NEMA & IEC

Induction & Synchronous Generator /IEC

Voltage System Reference Books /IEC 60038

Rotating electrical machines /IEC 60034

Power Transformer /IEC 60076

Medium Voltage switchgear and control gear /IEC 61634

Communication Networks and System in Substations /IEC 61850

Alternating Current disconnector and earthing Switches /IEC 62271-102

Earthing /IEEE80-2000 or BS 7430

Sizing NiCad Battery /IEEE-1115

Sizing Cable /IEC-60287

SCECO CAD STANDARDS

Health Care Memorandum (HTM)

FGI
