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BRAC Insight

Executive Engineer, Electrical Design, Construction Department

Application Deadline : 30 Nov 2026

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Vacancy: --
Published: 22 Nov 2026

Location: Dhaka

Experience: At least 5 years

Applicants are encouraged to submit **Video CV.**

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Application Insights

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Requirements

Experience

- At least 5 years
- The applicants should have experience in the following business area(s): NGO, Healthcare/Lifestyle product, Healthcare Startup

Additional Requirements

Additional Job Requirements:

Demonstrate expertise in building electrical system design, including power distribution, lighting, control systems, earthing and lightning protection.

Apply knowledge of BNBC, IEC standards and relevant electrical installation codes and regulations.

Prepare cost estimates, Bills of Quantities (BoQ) and technical documentation, and demonstrate knowledge of testing and commissioning procedures.

Operate AutoCAD (2D) at an advanced level to develop and review electrical drawings.

Utilize electrical design and calculation software, such as DIALux, ETAP, or equivalent tools.

Apply Revit or other Building Information Modelling (BIM) software for electrical design and coordination (preferred).

Demonstrate effective coordination, interpersonal, and communication skills.

Educational Requirements:

B.Sc. in Electrical and Electronic Engineering (EEE) from a reputed university or institution.

Membership with the Institution of Engineers, Bangladesh (IEB) and/or relevant certifications in electrical design software will be considered an added advantage.

Experience Requirements:

Minimum 5 years of practical experience in electrical design within the construction or building services sector, with demonstrated experience in supervising and guiding drafting personnel or junior engineers.

Responsibilities & Context

Job Purpose:

Responsible for designing, developing, and maintaining electrical control, circuit, and layout systems and components to the required

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Job Purpose:

Responsible for designing, developing, and maintaining electrical control, circuit, and layout systems and components to the required specifications, standards, and BNBC requirements, leading electrical design from concept to handover and guiding the electrical drafting team to deliver safe, cost-effective, and buildable solutions within project timelines.

Key Responsibilities:

- Lead electrical design activities throughout the project lifecycle, from concept development and detailed design to implementation, testing, commissioning and handover.
- Identify client and end-user requirements and translate them into comprehensive electrical system designs, including control and circuit systems, lighting, power distribution, earthing, lightning protection, and other electrical and electromechanical systems.
- Interpret design specifications, technical drawings and project requirements, and identify appropriate technical solutions while estimating project costs and timelines.
- Carry out electrical design calculations, including load assessments, cable sizing, voltage drop, protection coordination, and lighting design, to ensure efficient and reliable system performance.
- Prepare electrical design documents, technical specifications, Bill of Quantities (BoQ) inputs and technical reports, and present design proposals to project teams and clients.
- Ensure compliance with the Bangladesh National Building Code (BNBC), International Electrotechnical Commission (IEC) standards, and other applicable codes, regulations, and industry standards.
- Coordinate with architects, structural designers, other MEP engineers, implementation teams, and technicians to integrate electrical designs and resolve design discrepancies and service clashes.
- Liaise with clients, end users, and project stakeholders to clarify technical requirements, communicate design intent, and ensure effective design coordination.
- Supervise, guide and review the work of Engineers, electrical drawing drafters, ensuring the accuracy and timely preparation of working, shop, and as-built drawings in accordance with approved designs.
- Participate in site meetings, conduct design-related inspections and testing, and analyse and interpret test data to evaluate system performance.
- Recommend design modifications, implement necessary corrective measures, and arrange retesting to ensure compliance with approved specifications and quality standards.
- Monitor the implementation and operational performance of installed electrical systems and incorporate lessons learned into future design improvements.

Safeguarding Responsibilities:

- Ensure the safety of Programme Participants, people who come into contact with the organisation and team members from any harm, abuse, neglect, harassment and exploitation, including sexual exploitation and abuse (SEA) to achieve the programme goals of safeguarding implementation. Act as a key source of support, guidance and expertise on safeguarding for establishing a safe working environment.
- Practice, promote and endorse the issues of safeguarding policy among team members and ensure the implementation of safeguarding standards in every course of action
- Follow the safeguarding reporting procedure in case any reportable incident takes place and encourage others to do so.

Compensation & Other Benefits

Festival Bonus, Contributory Provident Fund, Gratuity, Health and Life Insurance, Maternity/ Paternity Leave, Wellness Centre Facility, Day Care Facility, and others as per policy.

Employment Status

Full Time

Job Location

Dhaka

Read Before Apply

*This position is open to Bangladeshi nationals only. *BRAC does not charge any fees at any stage of the recruitment process.

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Apply Procedure

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