



Welcome to the presentation on Professional Profile



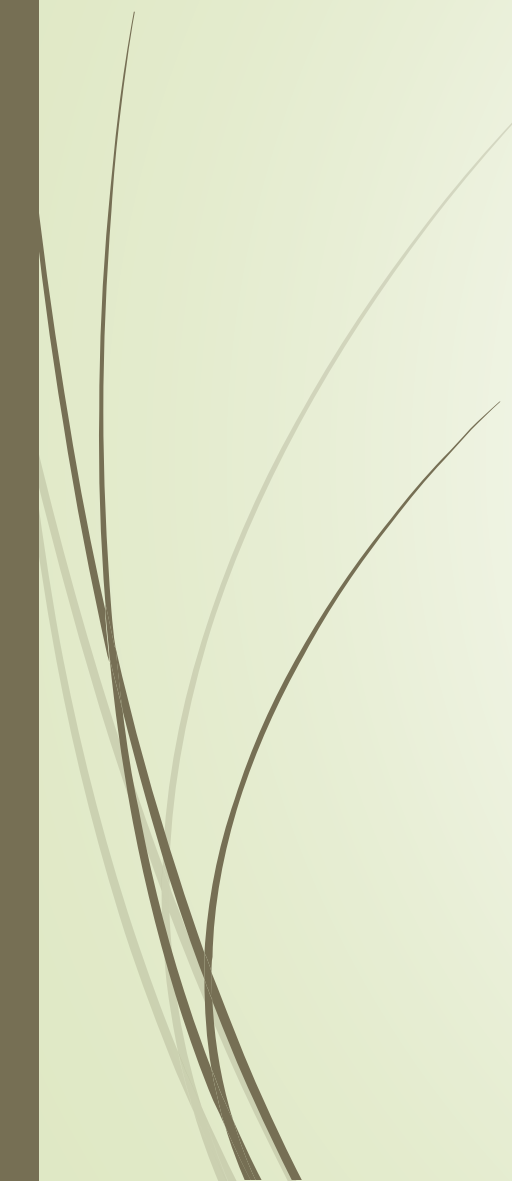
Md. Mohiul Islam

Assistant Electrical Engineer

Bangladesh Railway



Introduction



This presentation highlights my experience in planning, designing, and commissioning of low, medium and high voltage systems in power & energy sector, as well as managing projects for major national and multinational organizations, and my ongoing commitment to developing technical expertise in railway engineering.



Personal Information

Place of Birth: Bahir Char Solodag, Bheramara, Kushtia.

Present Position: Assistant Electrical Engineer.

Posting: Railway Training Academy (RTA), Chattogram.



Academic Qualifications



- ▶ Bachelor of Science (BSc) in Electrical & Electronic Engineering, BIT Rajshahi (Now RUET).
- ▶ Master of Business Administration (MBA) in Management, University of Dhaka.




Professional Experience

- ▶ **Service & Support Engineer – Fuji Computed Radiography (FCR)**

FCR is a modern medical imaging technology used for digitalizing X-Ray images for storage and printing in various film sizes.

- ▶ **Key Responsibilities:**

- Installation and configuration of FCR systems.
- Servicing and troubleshooting of various models.
- User training for hospital and diagnostic center staff.
- Preventive maintenance and system optimization.




Electrical Engineer – BD Power, Dhaka

BD Power, an engineering firm specializing in power and energy systems. I worked extensively in low, medium, and high voltage electrical systems in heavy industry and infrastructure projects.

Job Responsibilities

- Administration and Business Communication.
- Planning and development the layout of electrical power – Conducting site surveys, studied electrical data and developing project programs.
- Development of potential engineering projects and products with team engineers, staff and with customers.
- Perform provisional acceptance testing activities to ensure that electrical products/systems comply with project specifications, electrical standards and customer requirements.
- Planning the process of troubleshooting, safety measures, data escalation and observation of system operations to ensure compliance.
- Identifying the resources and requirements, assigned responsibilities and coordinate with project staff directly and indirectly to ensure successful completion of project.
- Tracing and resolving the critical issues to minimize project risk factors.



Electrical Engineer – BD Power, Dhaka



Technical Scope:

- Industrial electrical design.
- Preparation of Single Line Diagrams (SLD).
- Control panel and switchgear panel design.
- Equipment layout planning.
- Relay protection and control systems.
- Switchgear systems.
- Power factor improvement plants.
- Cable tray and cable racking fabrication and installation.
- Cable scheduling and termination.
- Testing and commissioning works.



Electrical Engineer – BD Power, Dhaka



Substation Works:

- Installation, testing & commissioning of medium and high voltage substation equipment.
- Protection relay testing.
- Transformer commissioning.
- Breaker and switchgear testing.



Electrical Engineer – BD Power, Dhaka



Civil Works Supervision:

- Equipment foundation construction.
- Control room building.
- Cable trench construction.
- Approach and internal roads.




Tendering & Project Management Experience

- Tender preparation and documentation.
- Project estimation and BOQ preparation.
- Product costing and vendor evaluation.
- Project planning and time scheduling.
- Resource allocation.
- Project monitoring and reporting.
- Quality control and safety compliance.



Major Clients & Authorities

- Power Grid Company of Bangladesh (PGCB) Limited.
 - Bangladesh Rural Electrification Board (BREB).
 - Palli Bidyut Samity.
 - Dhaka Power Distribution Company (DPDC) Limited.
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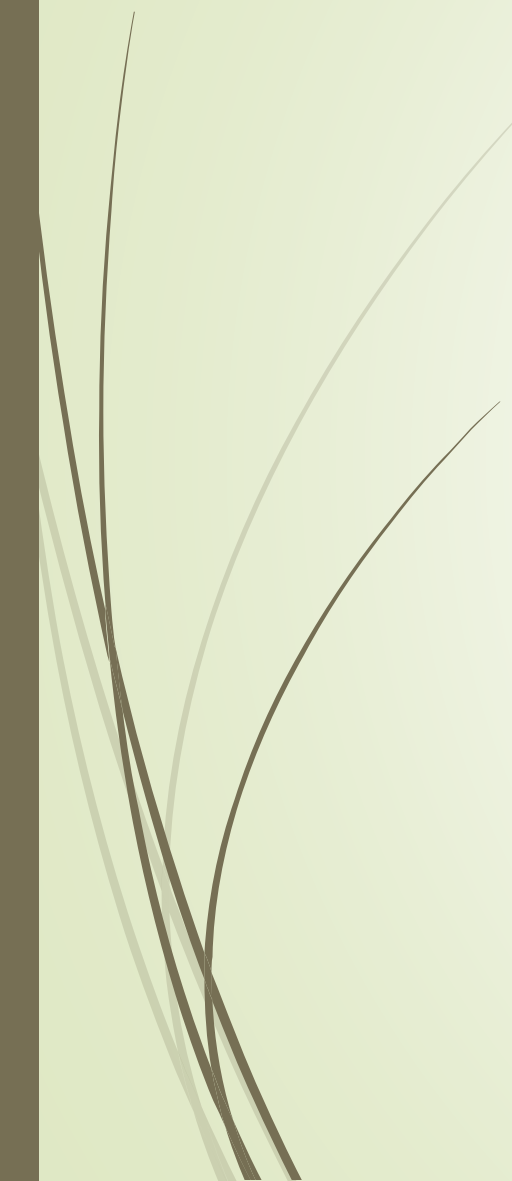


Major Area of Project Execution

- Medium & high voltage grid substations.
- Transmission line projects.
- Solar power plants (renewable energy).
- Complete civil construction works.
- Electrical installation, testing & commissioning.



Professional Skills & Expertise

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- Electrical system design.
 - Substation installation & commissioning.
 - Relay protection systems.
 - Project management.
 - Tendering & estimation.
 - Team leadership.
 - Vendor coordination.
 - Quality assurance.
 - Safety management.
 - Client coordination.
 - Technical documentation.



Conclusion



With more than two decades of experience in electrical engineering, project execution, and infrastructure development, I am committed to utilizing my technical knowledge and professional expertise to contribute effectively to Bangladesh Railway. I look forward to serving with dedication, integrity, and professionalism.

Pictures



Pictures



Pictures





Thanking you all.