

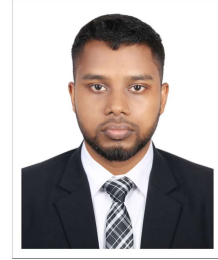
MD. MASUDUR RAHMAN

Mechanical Engineer | Fire Safety & Technical Sales

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CAREER OBJECTIVE

To build a successful career in Fire Safety Services Sales by leveraging experience in fire protection and detection system design, MEP engineering, AutoCAD, BOQ, technical and commercial proposals, client coordination, supplier coordination, and project execution. Aim to develop new business opportunities, maintain strong client relationships, and provide technically sound fire safety solutions that meet applicable codes and project requirements.

PROFESSIONAL SUMMARY

Results-driven Mechanical Engineer with 4+ years of professional experience across fire safety, HVAC, plumbing, MEP design, project coordination, and technical sales support. Experienced in preparing fire protection and fire alarm drawings, BOQs, technical and commercial quotations, proposals, site reports, and project documentation. Strong capability in client, consultant, supplier, and project-team coordination, with practical site supervision and troubleshooting experience. Familiar with BNBC 2020 and NFPA 13, NFPA 14, NFPA 20 and NFPA 72 requirements.

CORE COMPETENCIES

- Fire Safety Sales & Technical Sales Support
- Client Relationship & Business Development
- BOQ, Estimation & Cost Optimization
- BNBC 2020 & NFPA Standards
- Supplier/Vendor Coordination
- Testing, Commissioning & Handover
- Fire Protection & Detection Systems
- Technical & Commercial Quotations
- Fire Alarm, Sprinkler & Hydrant Design
- AutoCAD 2D/3D & Engineering Drawings
- Project Coordination & Site Supervision
- HVAC & Plumbing Design

PROFESSIONAL EXPERIENCE

Design & Project Coordinator (BMS, Fire & HVAC) | 02 May 2026 – Present

Ixony Engineering Limited | Banasree, Rampura, Dhaka

- Prepare detailed AutoCAD drawings for BMS, fire alarm, fire protection and HVAC systems.
- Develop system layouts, schematics and installation drawings in line with project specifications, BNBC 2020, NFPA 13, 14, 20 and 72, and ASHRAE standards.
- Prepare BOQs, technical and commercial quotations, proposals and project offers for clients.
- Conduct supplier/vendor price inquiries and evaluate quotations for cost optimization.
- Coordinate with clients, consultants, suppliers and project teams throughout the project lifecycle.
- Supervise site installation, review material submittals, monitor progress and prepare project reports.
- Provide technical support during execution, testing, commissioning and project handover.

Design Engineer | 01 Dec 2022 – 08 Apr 2024

Project Management and Engineering Consultant (PROmec) | Nikunjo-2, Dhaka

- Designed fire protection and fire safety systems in accordance with BNBC, NFPA, RSC and ACCORD requirements.
- Prepared plumbing and HVAC designs, layouts, calculations, technical reports and site inspection reports.
- Supervised plumbing, fire protection and HVAC installation works and conducted site inspections.
- Coordinated with architects, structural engineers, contractors and other disciplines for integrated MEP delivery.
- Reviewed shop drawings, technical specifications and material submittals and resolved technical issues during execution.

Trainee Engineer | 03 Nov 2018 – 31 Oct 2020

Trade International Industries Limited | Tejgaon Industrial Area, Dhaka

- Installed, troubleshot and maintained air-conditioning systems in homes and offices.
- Led and assigned work to teams of 20–40 technicians across Dhaka.
- Communicated with customers, explained service requirements and arranged service visits.
- Maintained site safety, work records and reporting to senior engineers.

Intern | 20 Jan 2018 – 30 Apr 2018

Walton Hi-Tech Industries Ltd. | Mohammadpur Service Centre, Dhaka

- Supported refrigerator and air-conditioning troubleshooting and maintenance activities.

EDUCATION

Degree / Exam	Institute	Year	Result
BSc in Mechanical Engineering	Sonargaon University	2024	CGPA 2.95/4.00
Diploma in Engineering – Refrigeration & Air Conditioning	Chapainawabganj Polytechnic Institute	2018	CGPA 3.29/4.00
SSC (Vocational) – Automotive	Dinajpur Technical Training Centre	2014	GPA 4.69/5.00

TRAINING & PROFESSIONAL QUALIFICATION

- General Electrical Works — Chapainawabganj Technical Training Centre, 6 months, 2018
- Computer Application (MS Word, Excel, PowerPoint, Internet, Photo Editing) — Chapainawabganj Technical Training Centre, 6 months, 2017
- Plumbing System — MEP Engineering Consultancy Firm, Rupnagar/Mirpur, Dhaka, 02 Oct 2021 – 30 Dec 2021

TECHNICAL SKILLS

AutoCAD 2D/3D • SolidWorks • Fire Protection Design • Fire Detection Systems • HVAC Design & Estimation • Plumbing Design • BOQ & Technical Documentation • Project Management • Site Supervision • Testing & Commissioning • Troubleshooting • MS Office

LANGUAGES

Bangla — Reading: High | Writing: High | Speaking: High
English — Reading: High | Writing: High | Speaking: High

PERSONAL DETAILS

Date of Birth: 30 January 1999 | Gender: Male | Nationality: Bangladeshi | Marital Status: Unmarried

REFERENCE

Name: Engr. Jewel Das (BUET)
Designation: Chief operating officer
Organization: Project Management Engineering Consultant
Mobile: 01518-343711

MD. Masudur Rahman