



Md Mahmudur Rahman


Passport: A08076524

Date of birth: 14/07/1993

Nationality: Bangladeshi

Gender: Male

CONTACT

 Al Madina, Saudi Arabia
(Work)

 mrahman.bd0@gmail.com

 (+966) 567951497

 [Mahmudur Rahman](#)

 +966567951497 **(Whatsapp)**

ABOUT ME

Mechanical Engineer with 12+ years of experience in EPC power plant projects, specializing in gas turbine systems, piping installation, mechanical execution, and site supervision. Skilled in AutoCAD, BOQ preparation, drawing review, alignment checking, and multidisciplinary coordination with strong focus on quality, safety, and project compliance. PMP certified professional seeking opportunities in Europe and the Middle East to contribute technical expertise and project execution experience within an international engineering environment.

WORK EXPERIENCE

China Energy Engineering Group Guangdong Power Engineering Co. Ltd (CEEC-GPEC) Al Madina, Saudi Arabia

Gas Turbine Engineer (Mechanical)

07/2025 – Current

Project: Taiba 2 – 1980 MW CCGT Power Plant.

Key Responsibilities:

- Review and interpret P&IDs, process flow diagrams (PFDs), general arrangement drawings, piping layouts, and isometric drawings.
- Supervise installation, erection, alignment, and commissioning of gas turbine systems and associated auxiliaries.
- Coordinate material receiving, inspection, lifting, and shifting activities in compliance with project specifications.
- Lead site execution activities including fabrication, installation, and final alignment of mechanical systems.
- Prepare work schedules, progress reports, and as-built documentation.
- Ensure implementation of QA/QC procedures and field testing standards.
- Conduct client inspections, walkdowns, and coordination meetings with stakeholders.

Scope of Work:

- Gas Turbine Package installation and alignment
- Generator and auxiliary systems
- Air intake and exhaust systems (diffuser & exhaust manifold)
- Auxiliary integrated platforms and enclosure systems
- Package piping and support structures

MAX Infrastructure Ltd. Dhaka, Bangladesh

Assistant Manager (Mechanical)

09/2022 – 07/2025

Project: Modern Food Silo Project, Khulna (World Bank Funded – Ministry of Food)

Key Responsibilities:

- Managed mechanical construction activities ensuring compliance with project specifications and safety regulations.
- Coordinated with clients and consultants to meet technical and contractual requirements.
- Supervised project teams and subcontractors for smooth execution of site activities.
- Analyzed project specifications, developed execution plans, and allocated resources effectively.
- Led troubleshooting and resolution of technical issues during construction and commissioning phases.

Key Achievements & Scope:

- Executed design, installation, and commissioning of a 76,200 MT fully automated wheat storage silo facility.
- Oversaw systems including loading, unloading, conveying, and packaging units.

- Managed EPC scope covering mechanical systems, utilities, and supporting infrastructure.
- Participated in tender documentation and project planning processes.

Pipeliner's Limited Sylhet, Bangladesh

Assistant Construction Manager (Mechanical)

04/2022 – 08/2022

Project: Bibiyana Gas Field Optimization (Turbo Expander Scope), Chevron Bangladesh.

Key Responsibilities:

- Supervised mechanical construction activities for gas processing facilities.
- Led and coordinated project teams to ensure timely execution.
- Maintained strict compliance with Permit-to-Work (PTW) and HSE requirements.
- Conducted toolbox talks and implemented safety and quality control measures.

Scope of Work:

- Installation of Turbo Expanders (2 Units)
- Gas and utility piping systems
- Gas cooling units
- Pipe racks and structural supports.

Samsung C&T Corporation Narayanganj, Bangladesh

Mechanical Engineer (BOP)

11/2021 – 03/2022

Project: Meghnaghat 718 MW Combined Cycle Power Plant (CCPP)

Key Responsibilities & Achievements:

- Reviewed and interpreted P&IDs, PFDs, GA drawings, piping layouts, and isometric drawings.
- Supervised installation, erection, alignment, and commissioning of mechanical and piping systems. Managed BOP systems, including: Water treatment (pre-treatment, demineralization) Waste water treatment systems, Cooling tower systems, Chemical dosing systems (CW & HRSG), Pump systems (CW, CCW, condensate extraction, intake pumps), Gas booster compressors & fuel gas systems, Gas regulating & metering station (GRMS), Emergency diesel generator systems.
- Coordinated fabrication and installation of skid, vessel, and package piping systems.
- Prepared work schedules, progress reports, and as-built documentation.
- Conducted inspections, testing, and quality control procedures in compliance with project standards.
- Led contractor coordination, client walkthroughs, and technical meetings

Sena Kalyan Sangstha Narayanganj, Bangladesh

Deputy Manager (Mechanical)

02/2021 – 11/2021

Project: 300 TPD Fully Automatic Flour Mill

Key Responsibilities & Achievements:

- Managed end-to-end project lifecycle: fabrication, installation, commissioning, trial runs, and final handover.
- Reviewed engineering drawings (design & as-built), BOQs, and material specifications.
- Prepared project schedules, progress reports, and coordinated procurement processes.

Led installation and operation of:

- Grain unloading system (100 MT/hr truck & pneumatic barge unloading)
- Pre-cleaning system (100 MT/hr capacity)
- Steel silo storage system (5000 MT capacity with automated conveying)
- Milling system (300 MT/day production capacity)
- Filling & packaging systems
- Conducted preventive maintenance and improved equipment reliability.
- Ensured compliance with quality control standards, inspections, and testing protocols.
- Supervised contractor activities, verified billing, and maintained project cost control.
- Supported production operations, inventory management, and process optimization.

Nestlé Bangladesh Limited Gazipur, Bangladesh

Mechanical Project Engineer

04/2019 – 01/2021

Project: IF (Infant Formula) Bulk Repacking Line

Key Responsibilities & Achievements:

- Developed and executed detailed project plans, ensuring timely delivery aligned with business objectives.

- Led installation and commissioning of high-hygienic process systems, including mixing, filling, and packaging lines.
- Supervised installation of process equipment, piping systems, BIB & can production lines in compliance with international standards.
- Managed utility systems: compressed air, chilled water, steam & condensate, potable water, and nitrogen systems.
- Coordinated HVAC installations (AHU, ducting, ventilation) for temperature and hygiene control.
- Implemented fire protection systems, including hydrants, sprinklers, fire doors, and emergency layouts.
- Oversaw warehouse infrastructure: loading docks, dock levelers, high-speed doors, hygienic doors & storage racks.
- Enforced strict HSE standards, including Permit-to-Work (PTW), LOTO, risk assessments, and safety audits (CFA, BFS).
- Prepared method statements, conducted toolbox talks, and ensured safe execution of all mechanical activities.

Unilever Bangladesh Limited Chattogram, Bangladesh

Safety & Technical Executive (Mechanical)

02/2018 – 04/2019

Project: Personal Care Unit Expansion & Utility System Installation

Key Responsibilities:

- Ensured strict compliance with safety standards and contractor work practices.
- Reviewed layout drawings and supervised installation activities.
- Oversaw steel structure work, including welding quality, painting, and bolt tightening.
- Managed lifting, positioning, and alignment of plant equipment.
- Conducted inspections for hygienic piping systems using radiographic and boroscopic testing.
- Supervised QC activities including DPT and visual inspections.

Scope of Work:

- Installation of mixer and liquid processing plants.
- HVAC systems including chillers, AHUs, ducting, and piping.
- Water treatment systems (DM plant, filtration, chlorination, distillation).
- Utility systems: compressors, boilers, steam & condensate lines, pneumatic systems.

Key Achievements:

- Successfully supported commissioning of process and utility systems with full safety compliance.
- Ensured high-quality standards in hygienic piping (SS304L & SS316L systems).

Cathweld Construction Company Ltd. Dhaka, Bangladesh

Piping Engineer (Mechanical)

10/2016 – 12/2017

Project: 360 MW Combined Cycle Power Plant, Bheramara

Key Responsibilities:

- Ensured compliance with international standards (ASME, ISO, OSHA) and client requirements (L&T & PowerMech).
- Managed piping documentation, planning, and material control.
- Prepared Gantt charts and tracked project progress (Plan vs Actual).
- Supervised pipe spool fabrication, installation, and welding activities as per approved WPS.
- Led pipe laying, support installation, and backfilling operations.
- Conducted weld mapping, inspection coordination, and reporting.
- Collaborated with clients during walkthroughs and inspections.

Key Achievements:

- Delivered piping works efficiently within project timelines while maintaining quality and safety compliance.
- Improved welding productivity through effective planning and supervision.

Technical Development Concern Dhaka, Bangladesh

Site Engineer (Mechanical)

02/2014 – 09/2016

Projects:

- 100 MW Power Plant, Jamalpur
- 17 MW Power Plant, Chittagong
- Utility Piping Project (Knit Concern Group), Narayanganj

Key Responsibilities:

- Supervised mechanical construction activities including piping, steel structures, and equipment installation.

- Executed piping works as per isometric drawings and P&ID, ensuring alignment with design specifications.
- Managed fabrication and erection of pipe racks, supports, and steel structures.
- Coordinated installation of valves, insulation, painting, and ducting systems (air intake & exhaust).
- Ensured proper lifting, positioning, and alignment of equipment such as generators, cooling towers, and boilers.
- Performed and reviewed NDT and testing activities (DPT, UT, RT, PWHT, hydro & pneumatic tests).
- Maintained QA/QC documentation including welding logs, fit-up reports, and punch lists.

Key Achievements:

- Successfully completed fabrication, erection, and commissioning of multiple storage tanks (HFO, LFO, surge, fire water, DM water).
- Contributed to smooth project execution with high compliance to safety and quality standards.

EDUCATION AND TRAINING

2024 Bangladesh

B.Sc. in Mechanical Engineering Sonargaon University (SU)

2014 Bangladesh

Diploma in Instrumentation Process and Control Technology Khulna Polytechnic Institute

2008 Bangladesh

Secondary School Certificate, Business/Commerce Ghuni High School

2026

Project Management Professional (PMP) Project Management Institute

2013

Computer Office Management ADAMS Integrated Training Institute

2013

Basic Electronics Department of Youth Development

2023

Safety Induction and Awareness MAX Group

2013

Industrial Attachment Bangladesh Cable Shilpa Limited

SKILLS

Microsoft Office | Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Organizational and planning skills | Project Engineering Construction Site Inspections | Oil and Gas | Team Coordination | Construction Drawing | Document Review | Shaft Alignment | Static and Rotatic equipment | Site supervision | Planning | Scheduling | Isometrics, P&ID, GA Drawing | BOQ | Autocad | Problem Solving | Critical thinking | Decision-making

LANGUAGE SKILLS

MOTHER TONGUE(S): Bangla

OTHER LANGUAGE(S): English