

MD. HASIBUL HASAN

Manufacturing & Operations Leader | Project Commissioning | Continuous Process Manufacturing

Continuous Process Manufacturing • Plant Operations • Project Commissioning • OEE • Lean Manufacturing • Cost Leadership • Food Safety Systems.

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EXECUTIVE VALUE PROPOSITION

Results-driven Manufacturing & Operations Leader with 20+ years of experience in FMCG sugar and continuous process manufacturing, specializing in plant commissioning, operational excellence, OEE improvement, cost optimization and cross-functional leadership. Proven ability to rapidly adapt and apply transferable manufacturing expertise across sugar, edible oil, seed crushing, beverage, chemical and other continuous process industries.

CORE LEADERSHIP COMPETENCIES

- Plant Commissioning & Start-up Management.
- Large-scale Continuous Process Manufacturing.
- Production Planning & Capacity Optimization.
- Project Planning, Scheduling & Resource Management.
- Cost Leadership & Operational Excellence.
- Automation, PLC & Process Control.
- Preventive Maintenance, TPM & Equipment Reliability.
- Lean Manufacturing, OEE & Continuous Improvement.
- Cross-functional Leadership & Team Development.
- Engineering, Utilities & Contractor Management.
- Quality, Food Safety & Regulatory Compliance.
- Process Safety, Risk Assessment & Technical Governance.

EXECUTIVE HIGHLIGHTS

- More than 20 years of progressive leadership in FMCG, sugar refining and continuous process manufacturing.
- Successfully commissioned and stabilized a 100 TPD food-grade liquid sugar plant from greenfield to commercial operation.
- Extensive leadership experience across Production, Quality Assurance, Maintenance, Utilities and Plant Operations.
- Led manufacturing transformation through Lean Manufacturing, OEE improvement and preventive maintenance.
- Delivered zero major non-conformances during supplier audits by Coca-Cola, Nestlé and Transcom while leading Quality Assurance and Food Safety Management Systems.
- Proven capability in leading multidisciplinary teams, contractor coordination and plant performance improvement.
- Strong background in operational excellence, process optimization and manufacturing cost reduction.
- Currently supporting a World Bank-funded DPHE laboratory modernization project through technical advisory, laboratory systems development and capacity building.

KEY ACHIEVEMENTS

- Successfully commissioned and stabilized a 100 TPD food-grade liquid sugar plant at PRAN Group, achieving sustainable production under pilot-scale operational constraints while establishing integrated Production, Maintenance, Utilities and Quality systems.
- Maintained audit-ready operations with zero major non-conformances during Coca-Cola, Nestlé and Transcom supplier audits.
- Led HACCP, FSSC 22000, ISO 22000 and ISO 9001:2015 implementation across multiple sugar manufacturing operations, ensuring continuous audit readiness.
- Transformed maintenance operations from reactive to preventive and reliability-centered practices within six months, significantly improving equipment availability and reducing unplanned downtime across production and utility systems.
- Improved effective plant capacity by over 25% through Lean Manufacturing, OEE improvement, bottleneck elimination and process optimization without additional capital investment.

- Built and led high-performing cross-functional teams by developing more than 150 engineers, supervisors and technical operators, enabling autonomous operations and strengthening leadership capability across manufacturing functions.

PROFESSIONAL EXPERIENCE

Senior Chemist (Laboratory Systems & Technical Advisory)

Department of Public Health Engineering (DPHE) | World Bank Supported Water Quality Project | February 2026 – Present

- Support laboratory modernization, technical governance and quality system implementation under World Bank-supported water quality projects.
- Develop laboratory systems, SOPs, analytical methods and technical documentation aligned with ISO/IEC 17025 and Good Laboratory Practices (GLP).
- Provide technical leadership in laboratory process optimization, analytical troubleshooting, quality assurance and continuous improvement initiatives.
- Conduct laboratory assessments, identify operational gaps and recommend corrective and preventive actions to enhance laboratory performance.
- Design and deliver competency-based technical training on analytical quality systems, AAS, ICP-OES, laboratory operations and GLP for chemists and laboratory personnel.
- Lead laboratory process improvement and standardization initiatives across World Bank-supported projects (WASH, FSTP, BMWSSP & AIRP), enhancing analytical quality and operational performance.

Deputy General Manager (Plant Head)

PRAN Group | December 2020 – April 2025

- Led the commissioning, process stabilization, and commercial start-up of a 100 TPD food-grade liquid sugar manufacturing plant.
- Directed Production, Maintenance, Utilities, Engineering, Warehouse and Quality functions with full operational accountability.
- Improved plant performance through Lean Manufacturing, OEE management, preventive maintenance and bottleneck elimination.
- Coordinated cross-functional teams, contractors and project stakeholders during commissioning and operational stabilization.
- Optimized utility consumption, maintenance reliability and manufacturing cost performance.

Deputy General Manager (Production & Quality)

Deshbandhu Sugar Mills Ltd. Ghorashal | Jan 2019 – Jul 2019

- Led ISO 9001:2008 to 2015 transition, aligning plant systems with updated QMS requirements.
- Developed operational capability in continuous vacuum pan sugar processing and progressed to process control leadership.

Head of Quality Assurance (Progressive Roles: QC Officer → Senior Chemist → QA Head)

City Sugar Industries Ltd. Narayanganj | 3,000 TPD and 2,000 TPD refinery | Jan 2011 – Dec 2018

- Progressive improvement: QC Officer (2009) to Senior Chemist (2010) to QA Head (2015).
- Built HACCP, FSSC 22000, ISO 22000, and ISO 9001 systems from ground-up, including FSMS documentation, CCP monitoring, and internal audit frameworks aligned with GFSI standards.
- Managed all MNC external audit requirements for Coca-Cola, Nestle, and Transcom as internal QA lead, achieving zero major non-conformance across 9 years.
- Designed laboratory structure and sampling systems for multi-line refinery operations aligned with international food safety and client compliance standards.
- Strengthened cross-functional coordination between production and quality, improving process consistency and in-line quality control performance.

Quality Control Officer & Senior Chemist

City Salt Industries Ltd. – Narayanganj | May 2009 – Dec 2010

- Managed brine quality, iodine standardization, and process control for salt production operations.
- Maintained compliance documentation, inventory control, and audit readiness.

Production Officer

Deshbandhu Sugar Mills Ltd. – Ghorashal | Aug 2007 – Apr 2009

- Operated and monitored pan boiling, crystallization, and phosphatation processes, ensuring process stability and product quality.

ADDITIONAL PROFESSIONAL ENGAGEMENT

Executive Development (May 2025 – January 2026):

Strengthened executive leadership capability through advanced learning in Data Analytics (Power BI, SQL and Python), Project Management, Digital Transformation and Applied AI Prompt Engineering for AI-assisted analytics, technical documentation and decision support, enhancing business insights and operational excellence.

ACADEMIC QUALIFICATION

- M.Sc. in Applied Chemistry & Chemical Technology, University of Rajshahi, Bangladesh, 1998.
- B.Sc. in Applied Chemistry & Chemical Technology, University of Rajshahi, Bangladesh, 1997.

PROFESSIONAL CERTIFICATIONS

- Data Analyst Certification, Data Solution 360, online Nov 2024 – May 2025.
- Project Management Professional (PMP) Exam Preparation, Rosetta, Dhaka, Applied in commissioning projects | 2023.
- Lean Six Sigma Black Belt Exam Preparation, BDJobs, Dhaka, Practiced in live plant projects | 2017.
- Leadership & Managerial Communication (LCMC), MDP, IBA University of Dhaka | 2018.
- Internal Auditing Training (FSSC 22000), Strotas Corpsol – India, at City Group | 2015.
- ISO 9001 Quality Management, BIM, Bangladesh | 2013.
- Quality Control & Water Management, TICI, Ghorashal | 2009.
- Health Safety and Environment (HSE) BDJobs, Dhaka | Sep 2012.

PROFESSIONAL DEVELOPMENT & INDEPENDENT TECHNICAL ENGAGEMENT

Executive & Digital Capability

- Advanced Data Analytics (Power BI, SQL & Python).
- AI-assisted Technical Documentation & Prompt Engineering.
- Dashboard Development & Process Data Visualization.

Independent Technical Engagement

- Technical Consultant, Intensive Biofloc Fish Farming Technology (2019–2021).
- Applied Research in Sustainable Protein Systems using Black Soldier Fly (BSF) and Quail Farming (2021–2023).
- Electronic Diagnostics & Computer Hardware Troubleshooting (2006–2007).

SOCIAL ACTIVITY

- Lifetime member of Alumni association, Department of Applied Chemistry & Chemical Engineering, University of Rajshahi.
- Lifetime member of Welfare Society of Ex-Student of Applied Chemistry RUACCEAA.

REFERENCE

Available upon request.

Best Regards,
Md. Hasibul Hasan