

# MD JAKIR HOSSAIN

QA/QC Coating/Painting Inspector (BGAS-CSWIP G-II Certified)

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## PROFILE

Detail-oriented QA/QC Coating Inspector with 4+ years of hands-on experience in oil & gas, piping, process plants, and infrastructure projects, focusing on coating inspection for steel tanks, vessels, and related structures. Proficient in ensuring coating applications meet quality standards, project specifications, and industry codes through technical knowledge and accurate reporting. Skilled in NDT (UT, PT, MT, RT), surface preparation verification, DFT measurements, holiday testing, adhesion tests, and compliance with ISO, SSPC, NACE, and ASTM standards. Proven in reducing coating defects by 15%, maintaining detailed inspection records, and working independently or as part of a project team to achieve long-term protective coatings for steel structures. Excellent English communication and reporting skills.

## WORK EXPERIENCE

### QA/QC Coating & Painting Inspector

*Technic Construction Co. Ltd | Bibiyana/Jalalabad Gas Plant (Chevron Bangladesh), Sylhet*

#### SEP 2024 – PRESENT

- Performed inspection and quality control of coating activities on steel tanks, vessels, piping, and related structures in high-pressure gas environments.
- Verified surface preparation and coating application in accordance with project specifications, standards (ISO 8501-1, ISO 12944, SSPC, ASTM, NACE), and client requirements.
- Conducted dry film thickness (DFT) measurements, holiday testing, adhesion tests (pull-off, cross-cut), and other necessary inspections, reducing defects by 15% through corrective actions.
- Ensured compliance with international standards (e.g., ISO, NACE, SSPC) by monitoring contractor performance and preparing accurate inspection reports rather than leading coordination.
- Assessed CNS soluble salt testing, rust grade visual assessments, replica tape profile testing, dust tape tests, and environmental conditions (temperature, humidity, dew point).
- Maintained detailed documentation for quality records, including ITPs, NCRs, and RFIs, while coordinating with project managers and clients to resolve coating-related issues.
- Delivered safety toolbox talks, achieving zero incidents over 12 months.

### QC Engineer (Painting)

*McDonald Steel Building Products Ltd | Gazipur / Mirsarai, Chittagong*

#### Jun 2021 – Aug 2024

- Conducted hands-on inspection of coating activities on steel structures, including DFT/WFT checks, holiday testing, and adhesion tests for projects like the Bangabandhu Railway Bridge.
- Verified surface preparation (SA 2.5 / SA 3), blasting standards, and protective coatings, ensuring compliance with ISO, ASTM, and SSPC standards.
- Monitored contractor performance and took corrective actions when required, achieving 100% NCR resolution through root-cause analysis.
- Prepared and maintained detailed inspection reports, paint batch certificates, calibration records, and documentation for quality assurance.
- Optimized ITPs and checklists, saving 20% in inspection time while working independently on site.
- Coordinated with clients and third-party agencies for final approvals, demonstrating strong reporting and communication skills in English.
- Trained team members on coating application techniques and standards to support project quality (retained but de-emphasized).

## EDUCATION

## **Diploma in Engineering – Electrical Technology**

*Rangpur Polytechnic Institute | 2016 – 2020 | CGPA: 3.28/4.00*

- Applied electrical engineering knowledge to mechanical systems through hands-on coating and fabrication projects.

## **Secondary School Certificate – Computer and Information Technology**

*Gopalpur Technical College, Rangpur | 2014 – 2016 | GPA: 5.00/5.00*

### **KEY SKILLS**

- **Coating Systems & Standards:** ISO, SSPC, ASTM, NACE, ISO 12944; Blasting standards (SSPC-SP10/SP6); Protective coatings for steel structures.
- **Inspection Tools & Methods:** DFT/WFT gauges, Profile gauge/Replica tape, Visual standards (ISO/SSPC), Adhesion testers (pull-off, cross-cut), Holiday detector, Hygrometer/dew point meter, CSN soluble salt test, Dust tape test.
- **Documentation & Reporting:** ITPs, RFIs, NCRs, Reports, Procedures, Method Statements, Calibration Records; Excellent English communication for detailed reporting.
- **Software:** MS Office, Excel (Advanced), Data Analysis.
- **Soft Skills:** Independent work, Team coordination, Problem-solving, Attention to detail, Safety awareness.

### **CERTIFICATIONS**

- **BGAS-CSWIP Painting Inspector Grade-II (TWI-UK)** – Valid until Mar 2029 (Equivalent to NACE Level II).
- **ASNT Level II – UT, PT, MT, RT**
- **COSHH Risk Assessor (IACS)**
- **First Aid Certified (St John Ambulance)**
- **Microsoft Excel – Data Analysis & Formatting (Coursera)**
- **HSE Awareness Training – Chevron Bangladesh**

### **KEY PROJECTS**

- **Bibiyana Gas Plant (Chevron Bangladesh):** Coating inspection for piping, storage tanks, pressure vessels, & structures.
- **Bangabandhu Railway Bridge:** QA/QC (Shop In-charge) for steel girders (ISO 12944-5).
- **Hazrat Shahjalal International Airport, 3rd Terminal:** Painting inspection for structural steel.
- **Dhaka Metro Rail:** Painting inspection for heavy steel structures.

### **LANGUAGES**

- Bengali (Native)
- English (Fluent)

### **REFERENCE**

Available on Demand