

Mirza Muhammad Rehan Baig

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Pakistani

02-07-1992

Male

Visit visa



## **Objective:**

Dedicated Metallurgy Engineer with expertise in pipeline corrosion integrity, seeking a challenging role in the UAE to apply technical skills and contribute to the industry.

## **Work Experience:**

Corrosion Protection Engineer | Mass Group of Companies Lahore, Pakistan | 2018 - 2023

- Managed gas transmission pipeline corrosion integrity to international standards.
- Conducted field surveys (DCVG, CIPS, PSP, Soil Resistivity, NDT, MPI, TOFD, UT, Tensile, Charpy Impact, Hardness, OES).
- Designed cathodic protection systems for diverse gas transmission pipelines.
- Provided expert recommendations for effective internal corrosion.
- Led installation of corrosion monitoring tools with minimal disruption to operations.
- Specified paint and coating materials for long-term corrosion resistance.
- Supervised skilled workforce for CP stations and RMU kits, ensuring corrosion protection.
- Ensured punctual delivery of accurate technical and inspection reports.
- Profound knowledge of corrosion protection standards (NACE, API, ASME).
- experience in materials coatings (FBE, 3LPE, 3LPP, CTE, PU) and coating processes.
- Adept at conducting failure analyses and making informed material selections.

## **Technical Skills:**

- Corrosion Risk Assessment
- Cathodic Protection
- Coating Selection and Application
- Failure Analysis

## **Education:**

M.Sc. Metallurgy Engineering | University of The Punjab, Lahore, Pakistan 2017 | Grade: 3.57/4

## **Language Skills:**

Urdu: Native Speaker | English: Proficient