Ankita Mohanty

Instrumentation Engineer

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PERSONAL STATEMENT

Instrumentation engineer with 5 years of experience in maintenance and commissioning of field instruments, DCS and safety systems in chemical and fertiliser plants. Skilled in calibration, loop checking, control valve servicing and HART diagnostics, with a strong record of improving loop availability and passing safety audits.

WORK EXPERIENCE

Instrumentation Engineer · Dahej Petrochem Intermediates Ltd, Dahej, Gujarat Sep 2022 – Present

- Maintain 2,200+ field instruments, 180 control valves and a Yokogawa DCS across 3 continuous process units.
- Raised the share of control loops in auto mode from 74% to 93% by retuning PID loops with operations and fixing valve issues.
- Executed instrumentation scope for a planned shutdown, including 260 calibrations and 45 control valve overhauls, with zero restart delays.
- Supported SIL verification and proof testing of 30 safety instrumented functions with the process safety team.

Graduate Engineer, Instrumentation · Mahanadi Fertilisers and Chemicals Ltd, Paradeep, Odisha Aug 2020 – Aug 2022

- Calibrated pressure, temperature, flow and level transmitters as per the ISO 9001 calibration schedule.
- Carried out loop checking and commissioning for a new granulation unit with 420 I/O points.
- Reduced repeat analyser failures by 40% by creating a weekly check sheet for pH and conductivity analysers.

EDUCATION

B.Tech in Instrumentation and Electronics Engineering · College of Engineering and Technology, Bhubaneswar 2016 – 2020
Grade: 8.0 CGPA

SKILLS

DCS (Yokogawa) · PLC · Field instruments · Calibration · Loop checking · Control valves · HART communicator · P&ID and loop drawings

CORE SKILLS

- Commissioning
- Shutdown maintenance
- Process safety
- Troubleshooting
- Documentation

CERTIFICATIONS

Functional Safety training (IEC 61511) · Industry training provider Jan 2024

LANGUAGES

English · Professional · Odia · Native · Hindi · Fluent · Gujarati · Conversational

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