IMRAN AHMED FAROOQUI
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Instrumentation & Control Engineer

CAREER OBJECTIVE

Senior Professional targeting a challenging and rewarding assignment with a reputed organization which will recognize my true potential and effectively utilizes my excellent analytical and technical skills.

PROFILE SUMMARY

- Graduate Engineer (Electronics & Instrumentation Engineering) with over **13 years** of professional experience in **Instrumentation** and **Control Systems** with multi discipline aspects such as **Operations** & **maintenance**, **construction & commissioning of** pumping stations, STP & SWRO Plants, consultancies, trainings & advisory.
- Experience in the areas of design coordination, selection of field instruments, installation, calibration, testing & pre-commissioning of all field instruments and control systems, raising RFI's, performing inspections.
- Comprehensive knowledge of DCS (Siemens, ABB), PLC (Siemens, Allen Bradley), SCADA (Wonderware InTouch, SIMATIC WinCC), VFD (Schneider Electric, ABB & Siemens), and Electrical Controls & Panel Designing
- Proficient in implementing maintenance schedules for carrying-out periodic checks and preparing technical documents for the same
- Extensive knowledge in all aspects of Control & Automation design activities encompassing DCS Systems & Process Control
- Expertise in handling the water plant operations and maintenance, water transmission & distribution as per requirement.
- An effective communicator with honed interpersonal, problem solving and analytical skills

CORE COMPETENCIES

Construction & Commissioning:

- Managing the process instrumentation to optimize productivity; Instruments used Endress+Hauser / Yokogawa / Siemens / Emerson-Rosemount, Fisher / Krohne / ABB / Auma / Rotork / Bently Nevada / Hach / etc.
- Preparing documentation for Instrumentation & Control System and reviewing 3rd party drawings on installation & commissioning accordingly; reviewing & updating various engineering & vendor documents
- Reviewing blueprints, schematic / engineering drawings, layouts, technical specifications for installation & commissioning
- Spearheading end-to-end installation & commissioning of equipment to reduce downtime & enhance operational efficiency; ensuring completion of project within minimum turnaround time to maximize output
- Project Coordination for the Taweelah 200 MIGD SWRO signal integration project with Transco & EWEC for implementation of design including telecom channels & tariff metering.

Operations & Maintenance:

- Leading the gamut of operations & maintenance activities with a team of Technicians
- Executing corrective & preventive maintenance schedules for instruments & electrical equipments, generating reports and manipulating work orders using asset management software Maximo
- Conducting regular shutdown inspections, repairs & replacements of spare parts to ensure smooth operations
- Reviewing engineering drawings, layouts & cost estimates to plan maintenance works with minimum direction & supervision within given time constraint given to reduce production downtime
- Exceptional operational analysis, HAZOP & SIL study and decision-making strengths.

ORGANISATIONAL EXPERIENCE

Key Result Areas:

- Developing and modifying different industry-based diagrams like P&ID, PFD, Hook up Diagram, Relay Logic Diagram, Functional Logic Diagram, Ladder Logic Diagram, I/O Terminal Drawing and Control Loops drawing, etc.
- Looking after:
  - Troubleshooting and maintenance of various PROFIBUS DP/PA & HART instruments during commissioning, operations & maintenance and shutdown activities
  - Configuration and faults diagnosis of Siemens DCS PCS7
  - Erection and installation of various field process instruments and actuators

- Overseeing pre-commissioning activities like loop checking, function checking of various field transmitters and electric & pneumatic valves
- Administering the calibration of Field transmitters, switches and electric & pneumatic valves
- Installation, commissioning, calibration and maintenance of various Liquid & Gas Analyzers such as pH, Conductivity, Turbidity, ORP, DO, Alkalinity, Chlorine, TDS, Hydrogen etc
- Installation and commissioning of Vibration Monitoring System (VM-600 & Bently Nevada)
- Addressing & resolving all field instruments & control system (Siemens PCS-7 & ABB 800xA DCS) based problems including RTUs.
- Carried out Water Plant Operation and water distribution using DCS, PLC & SCADA.
- Tracking & analyzing the project status and drafting PM, CM reports and manipulating work orders using MAXIMO
- Maintaining hypo chlorination systems, all in accordance with the Asset Maintenance Policy (AMP)
- Coordinating with Line Managers, Senior Operators, Scheduler & LDC all maintenance needs
- Preparing material's requests, ICMRs and forward purchasing for maintenance jobs
- Maintained, modified and redesigned existing control systems to improve safety, operations and profitability
- Calibration and adjustment of dosing pumps
- Supervised P&ID, Preparation of Instrument Index & I/O Point Database, Preparation of Technical Specifications & Datasheets for various Field Instruments like Flow Elements, Safety Valves, Transmitters, Temp. elements, Gauges.
- Prepared the Cable Schedule, JB Schedule, Bill of Material For Junction Boxes, Cable Glands &Plugs, Cable trays/ Ducts, tubes & tube fittings., hook ups, Inst-Electric interface.
- Checking Level Sketches, Review Vendors' quotations, prepare technical queries, evaluation and recommend the final technically acceptable Vendor. Allen Bradley's PLC/Ladder logic development, SCADA & HMI applications development, troubleshooting of PLC based systems.
- Conducting routine maintenance inspections of equipment to identify the problems and execute appropriate measures
- Extending technical support to supervisors with regards to the configuration and faults diagnosis of Siemens PLC S7 300 & S7 400
- Improving the department's KPIs; spearheading the PAC & FAC for projects
- Performing Technical Evaluations for RFQs & Contracts (LTPA/Blanket)
- Contributing in raising the required CRs and PRs by finding and preparing reports
- Supporting SD in negotiation and clarification meetings whenever required

Accomplishments:

- Gained knowledge / hands on experience in various HART & PROFIBUS based instrumentation systems & Siemens DCS PCS7 & ABB 800xA
- Single-handedly managed instrument calibration & installation activities for pressure, temperature, level, flow, analyzers & various electric and pneumatic actuators
- Worked as Consultant- Trainer (Instrumentation) and Provide product based solution for different field Instruments, Conduct Onsite training programs for different departments of various National & Multi national companies viz BORL, B.H.E.L, VAL, JSPL, Adani Port, DRDO, Indian Navy, Hindalco etc
- Successfully led the implementation of TRANSO safety rules at all sites

PROJECTS HANDLED

Project: **200 MIGD Taweelah SWRO Independent Water Project**
Period: July'21 – till date
Employer: SEPCO III
Client: Acwa Power
Department: Construction & Commissioning
Designation: I&C Engineer

Project: **SWSR (Strategic Water Storage / Recovery Facility in Liwa)**
Employer: Abu Dhabi Transmission & Despatch Company (TRANSCO)
Period: Feb'18 – Nov'20
Department: Operation & Maintenance
Designation: I&C Engineer

Project: **STP & Pumping station, BMC Idgah Hills**
Period: Feb'15 – March'16
Employer: CRISP
Client: BMC, Bhopal

PREVIOUS ASSIGNMENTS

Employer : **Abu Dhabi Transmission & Despatch Company (TRANSCO)**
Period: Feb'18 – June'21
Department: Water network facilities-maintenance
Designation: I&C Engineer

Employer : **CRISP (Indo-German Technical Co-op, GiZ)**
Period: May'12 – Feb'18
Department: Electrical & Electronics
Designation: Consultant- Trainer (Instrumentation)

Employer : **Interplast, Sharjah, U.A.E**
Period: June'10 – June'11
Department: Maintenance
Designation: Maintenance Engineer (Elex & Elect)

Employer : **Dyanamic Engineers Pvt. Ltd.**
Period: Dec'08 – May'10
Department: Projects
Designation: Project Engineer

Employer : **Saudi Pan Kingdom Company, KSA**
Period: Nov'06 – June'08
Department: Construction & Maintenance
Designation: Instrumentation Engineer

ACADEMIC DETAILS

2006 **Bachelor of Engineering (Electronics & Instrumentation Engineering)** from Bansal Institute of Science & Technology, RGPV, Bhopal

SOFT SKILLS

Siemens S7 – 300 & 400 PLCs & WinCC SCADA, Siemens PCS7 DCS, ABB 800xA DCS, SEBA Configuration, Drive Monitor, Quick Start, INTOOLS Version 07.00.08.02, Windows OS, MS Office, Advanced Excel, VMware, maximo

CERTIFIED TRAININGS

Certified " Control & safety system engineer" (CCSE)- DCS (ABB 800 xA) training, Certified training on Vibration analysis, diagnostic studies & dynamic balancing, Certified course in "Field Instrumentation For process Control from Yokogawa, On the Job Training for " Field Engineers on Flowmeters & Calibration Techniques from FCRI, Certified course for Siemens " Sinamics S120 Drive" from Siemens, Certified course in "Industrial Automation Engineering.

PERSONAL DETAILS

Date of Birth:	19th August1982
Address:	131-D Kamla Nagar, P.O.Piplani, BHEL, Bhopal, India
Languages Known:	English, Hindi, Urdu & Arabic
Nationality:	Indian
Passport Details:	Z3650912 (Issued at Bhopal, Valid up to 22/08/2026)
Driving License Details:	UAE license (No. 2475141)
Marital Status:	Married