Summary

Committed and Skilled instrument engineer familiar with all standard control and instrumentation requirements. A candidate with nearly 7+ years of experience in the Chemical Plant and Water Treatment Project. Works well in fats-paced enviroments requiring critical and analytical thinking skills.

Skill Highlights

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| --- | --- |
| * Control panel design and wiring
* PLC I/O list preparation
* Prepare engineering Documentation
* knowledge in PLC/SCADA platforms
* Instrument Calibration
* Troubleshooting
 | * Instruments panel layouts, Cable route design, Instrument selection
* Testing and Commissioning of field Instruments and Analyzer
* Prepare Field Instrument Installation Hook-up drawing
* Resource and Department coordination
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Experience

**Instrumentation & Control Automation Engineer** - 07/2018 to present

**Memiontec Pte. Ltd.,** Singapore

* Review PLC Control System Architecture, Control Philosophy and P&ID.
* Prepare Instrument I/O list. Based on same IO list Review EIC and RIO Panel Drawing.
* Selection of Instrument and Analyzer in water treatment process as per requirement and customer specification.
* Coordinate with customer and ICA Contractor to arrange FAT, SAT for EIC/RIO panel.
* Communicate with OEM, on selection of Instrument and their wetted material as per Process medium also Co-ordinate with them to ensure on time delivery with complete documentation.
* Prepared Installation and Inspection Checklist to carry out Pre-commissioning and Commissioning activities for electrical and Instrumentation system.
* Review Method of statements (MS), RA and Safe work procedure.
* Define Specifications and scope of work to contractor.
* Work with Sales team on Project Proposal And preparation of tender activities.

**Instrumentation Engineer** - 10/2013 to 06/2018

**The Dharamsi Morarji Chemical Co. Ltd.**, Roha Raigad

* Design, Implement and Commissioning of new control logics as per site requirements and process safety.
* Worked with Technician to follow maintenance and calibration schedule for Temperature, Pressure, Flow and Level Transmitters to avoid Instrument downtime.
* On site Installation and Configuration of different types flow meters like electromagnetic, Orifice plate, Mass flow meter and Variable area type.
* Maintenance and operation of SIEMENS made PLC System.
* Maintenance, operation and programming of DELTA, ABB made VFD’s.
* Spares balance investigation and inventory control for Instrument’s spare parts.
* Do the Inspection of completed jobs and checking of work orders, work order bills, PRN, MRN as per specification and requirement.
* Maintenance of EPABX system.
* Regular Preventive Maintenance and calibration of Concentration Analyzers used to measure Sulfuric acid, Oleum Concentration.
* Preventive Maintenance & calibration of Pneumatic control valves and their Accessories like I/P converters, Electropneumatic positioners, pressure gauges and air filter regulators etc.

Contact

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Education

Bachelor of Engineering: **Instrumentation (2013)**

**Mumbai University**, with 68%

Software’s

* MS Excel
* MS word
* Power point
* Auto cad (Basic)

Languages

* English
* Hindi
* Marathi

Certifications

Industrial automation training:

* SCADA (Wonder-Ware Intouch)
* PLC (Siemens S7-200, Allen-bradley micrologix)
* HMI (Panel view 300 micro)

Tushar kabale