

## **MANODIP SUBHASH PATIL**

### **Instrumentation & Control Engineer (B.E.)**

Results-oriented Instrumentation engineer with a focus on the detailing and implementation of project. 7+ years of experience in developing cutting-edge engineering solutions with a wide range industries. Seeking to use proven project management and design skills to improve quality, cost and time metrics for Engineering Projects.

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#### **Professional Experience: (+ 7 year's)**

- Execute & coordinated for day to day to project activity.
- Project Detailing and Execution, Study and verification of P&ID.
- File-note Study and preparation: Instrument Index, data sheets, I/O list.
- Study and review of tender documents (TBE), contract requirements and technical correspondence submitted in the proposal stage. Reviewing of Instrument datasheets, Instrument and F&G Location layout, Junction box Termination drawing, Cable Routing and Cable Tray layout, Loop Drawings, Hook-up Drawing, Cable Schedule, Instrument BOM, Interlock scheme.
- Involved in Calibration, installation, commissioning and Troubleshooting (TQ) of all type of field instruments such as Transmitters, & Control Valve. Installation and commissioning of Fire & gas Instruments. Installation and Commissioning of Radar Level Transmitters & DP type Level Transmitters.
- Technical discussion with vendor for right selection of the SMART Sensor's for implementation in various equipment to enhance the process operation performance effectively. Assigning Object paths to the I/O's of PLCs with respect to their Design in HMI.
- Preparation of Control Schemes Narratives/Control Philosophy with the support of process team.
- Electrical & Instrumentation vendor management. Vendor Document Review (VDR).
- FAT of PLC/MCC of vendor package panels at vendor place.
- Erection & Commissioning Support.
- Project documentation & reconciliation.
- Site opening, planning and mobilization, coordination with consultant engineers and contract engineers, coordinating with sub-contractors and third party vendors.
- Preparation of sub contract tenders, contract negotiation and supervision of construction activities & Contractor Bill verification.
- Delegate operation staff to best takes advantage of labour and improve output as much as possible.
- Actively participate in Project meetings with clients, Vendors and contractor Conducting daily progress review meeting with the Sub-ordinates and Sub-contractors. Supervision of erection, cabling, loop checking and commissioning of field instrument.
- Take lead, ensure, and contribute for the workplace safety e.g. [PTW (Permit system), JSA (Job safety analysis), toolbox talk, contract employee safety, BBS (Behavior based safety), electrical safety]
- Responsible for issuing work permits and to assure all safety requirements are fulfilled.

#### **Worked With**

- Kansai Nerolac Paints Ltd, Mumbai	Sr. Engineer	June 2021	Till Date
- Accuon Project Solutions, Pune	Sr. Engineer	Aug 2019	May 2021
- Nutshell Engineers, Pune	Application Engineer	July 2016	Aug 2019
- Shachi Engineering Pvt. Ltd., Pune	Jr. Engineer	Aug 2014	July 2016

#### **Education:**

**Bachelor's in Instrumentation & Control Engineering (2010 -2014) Score – 67.46%**  
PREC Loni. Pune University

#### **Core Competencies:**

- Strong Problem-solving skills
- Effective at multitasking on multiple projects
- Applications Engineering
- Instrumentation Engineering
- Technical solutions & related services
- Project Engineering
- Site Engineering
- Plant Erection & Commissioning
- ISO Documentation
- Team Management
- Explosion Protection , ATEX Knowledge
- Tender technical evaluation
- Work on Distillery, Breweries, Spray Dryers,

#### **Software Competencies:**

- ERP/DNS/SAP
- Excel
- Microsoft Office
- VentCal

#### **Achievements:**

- Won Quiz competition at National Level Event
- Worked in NSS for two years
- Organized National Level Event PRECISION at college

#### **Hobbies:**

- Reading
- Cricket
- Trekking

#### **Major Projects Executed:**

- Spray Dryer Plant – The Himalaya Drugs, B'lore ColourTex, Surat, CIBA, Chennai, Amul Gandhidham, & Amol Pharmaceuticals, Jaipur
- Boric Acid Purification Plant - BARC's Heavy Water Board, Talcher
- Breweries – Pune Beer Farm, Carlsberg India Pvt Ltd., Aurangabad, Sona Beverages Pvt. Ltd., Durg
- EP system Installation for
  - Solvay Rhodia, Ankleshwar, Mondeleze, Chennai,
  - Micheline Tyres India, Chennai, GSK, Nashik,
  - Mars International, Khed, Jubilant Vilayat, Gujarat
  - Coperion Ideal, Noida, Cargill India, Davengiri
  - Pfizer India, Goa , Strides Shashun Ltd, Bangalore
  - ACME, Dhaka Bangladesh, Mondeleze, Malaysia
- In House Emulsion, Gowindwal Sahib, Punjab (Commissioning Support)
- Resin Unit, Sayakha, Gujarat (Commissioning Support)
- Water Based Paint Expansion, Hosur, Karnataka