VINOTHKUMAR.R

Instrumentation Engineer

+91-8220941936 / +91- 8148030849

vinothkumarravirajan@gmail.com

Targeting assignments in **Construction & Pre-commissioning as an Instrumentation Engineer** preferably in **Oil & Gas Industries**
Target Location: **Gulf Countries**

Profile Summary

- An achievement-driven professional offering **over 6 years** of qualitative experience in **Instrumentation Engineering encompassing Project Execution & Pre-commissioning**
- Resourceful in dealing with project installation along with loop checking of various instruments, implementation for smooth operations in adherence to the standards and specifications
- Completed major projects across various on-site locations with prestigious clients in **Gulf Countries**
- Familiar with various makes of Electronic Instruments and Pneumatic Instruments, knowledge of Instrumentation of Process Units, Utility Units, Fire and Gas Detection System and Smoke Detection Systems
- Reports to the Instrumentation Head, coordinates and supervises construction/Installation of Marshalling racks, Field JBs, Field Instruments including the cabling, cable trays, process tubing and Instrument Air manifolds.
- Studying construction schedules, estimating man-power requirements for completion of job assignments.
- Interpreting specifications, analyzing and resolving work problems and suggesting changes in working conditions to increase efficiency of work crew.
- Ensuring proper construction methods are utilized.
- Ensuring construction comply with project documentation, standards, permits and regulation.
- Communicating professionally and effectively with consulting engineers.
- Directly supervises supervisors and technicians. Carries out supervisory responsibilities in accordance with the project organization. Responsibilities include training, planning, and assigning work and resolving problems.

Key Impact Areas

- Instrumentation Engg.
- Site Management
- Project Execution
- Pre-commissioning
- Manpower & Resource Planning
- Client Engagement
- Engineering & Technical Support
- Technical Documentation
- Risk Management & Safety

Soft Skills

Problem-solver	Communicator
Innovator	Intuitive
Thinker	Analytical

Career Timeline

Tecnimont Private Limited
as Assistant
Instrumentation Engineer

Aug'17 – Feb'18

Tecton Engineering and Construction LLC as Assistant Instrumentation Engineer

Apr'18 – Jul'19

Jul'19 – Feb'22

Larsen & Toubro Hydrocarbon Engineering as Senior Instrumentation Engineer

Organizational Experience

Larsen & Toubro Hydrocarbon Engineering, Punjab
As Senior Instrumentation Engineer **Jul'19 – Feb'22**

Deputations

Jul'19 – Feb'20	Yanbu, KSA
Mar'20 – Feb'22	Punjab, India

Key Result Areas:

- Shall study all the approved drawings and specifications shared by Design team before the start of any Instrumentation activities (Cable tray, DCS, System Architect, JB, Inst List, etc..) at the site.
- Accountable for the implementations and monitoring of all Instrumentation related operations at the site as per approved drawings and methods and safety rules.
- To plan the execution of all Instrumentation related works and coordinates the works to mechanical, instrumentation and civil groups as a collaborating approach.
- Review the resources such as manpower, materials, consumables, equipment, tools, etc., required for all Instrumentation and related works prior to execution.
- Interpretation of construction drawings and study the contract documents and applicable standards or specifications prior to the execution of any jobs.
- Will be carrying out all Instrumentation works which includes installation of Instruments, Junction boxes, field instruments, etc.… as per standard installation documents. Verify the same and supervise during commissioning.
- Should prepare all the necessary check lists for equipment's installation as per approved quality assurance plan (QAP).
- Coordinate with other disciplines for specialty equipment (Process / Utility) supplier / vendor's engineer along with client for the witness of installation as per their standards.
- Attending regular meetings with a client, other disciplines, and consultant to provide an update on project progress.
- Should review and intervene for any new items (not included in tender) or change in specs for change initiation and approval from the client before proceeding.
- Verify the reconciliation of all Instrumentation items as per the bid and submit to client with approval of CM.
- Verify and do the approval of Instrumentation contractor RA Bills.
- Accountable for as built mark-up on drawings from contractor and submit to Project Manager.
- Accountable for handover all concern documentation to the client.
- Accountable to collect all the manuals of field instruments, JB or any other related documents and handover to the client with index

Previous Experience

Tecnimont Private Limited, Abu Dhabi
As Assistant Instrumentation Engineer **Apr'18 – Jul'19**

Tecton Engineering and Construction LLC, Abu Dhabi
As Assistant Instrumentation Engineer **Aug'17 – Feb'18**

Auromin Controls, India
As Site Engineer (E&I) **Apr'16 – Jul'17**

Key Result Areas:

- Monitoring the activity at sites and reviewing project schedule; administering installation & commissioning; conducting tests & inspections activities
- Assigning work responsibilities, recruiting, training & mentoring employees and managing all aspects of the day-to-day functions in a cost-effective way
- Planning, organizing, and conducting site meetings to improve coordination, reallocate resources such as machinery, material & manpower
- Establishing project review, monitoring & status reporting procedures to accurately report progress of the project to the stakeholders and end user
- Coordinating with clients regularly to assess their needs and provide technical solutions for them
- Reviewing Instrumentation Scope of Works (SOW)
- Preparing of Complete and Concise documentation of quantities with unique mark numbers such as preparation of Master Quantity Database for instrumentation drawings
- Raising purchase request and ensuring the availability of consumable materials, tools, and tackles for departmental manpower at site
- Monitored construction / completion activities and pre-commissioning to ensure compliance with commissioning expectations

- Executed the review of Red Line Mark-Up (RLMU) of drawings & documents prior to Client submission

- Reviewed vendor drawing / package instruments, PLC / DCS Panels & coordinating with the system vendor at the time of commissioning
- Performed the Loop Checking and Testing of Field Instruments to DCS & coordinating with Analyzer Vendor at commissioning
- Supervised and inspected on-site installation of instruments, panel wiring system, cable laying, Impulse piping, fabrication & erection of cable tray & junction box
- Maintained history of failure instruments and experience in modification and implementation to avoid failure operation & carryout pre-commissioning activities at client site as required ensuring successful handover

Major Organizational Projects

At Larsen & Toubro Hydrocarbon Engineering
- EPC for Farabi Normal Paraffin and Derivative Complex-Yanbu, KSA
- EPC for HMEL Cracker Furnace project, Bathinda, Punjab-India

At Tecnimont Private Limited
- EPC for Al Dabb'iya Surface Facilities-Phase 3, Al Dabbi'ya, Abu Dhabi

At Tecton Engineering and Construction LLC, Abu Dhabi
- EPC for Portable Water System and Sewage Treatment Plants at Zirku Island, Abu Dhabi

At Auromin Controls, India
- EPC for 1KW Biomass Gasification Power Plant, Washim, Maharashtra-India

Academic Details

- Bachelor of Engineering in Electronics & Instrumentation from Anna University, Chennai, 2016

Certification Courses

- Master Diploma in Advanced Process Automation & Robotics Control at Axis Global Institute for Industrial Training, Chennai, India

Personal Details

Date of Birth: 25th October 1994
Languages Known: English, Tamil and Hindi
Address: G-12, Ashok Manor Apartments, No. 2, Tamil Poonga Street, Irumbuliyur, Tambaram West, Chennai – 600045, Tamil Nadu
Passport: U9665391 valid till 15th March 2031
Visa Status: NA
Nationality: Indian
Marital Status: Married
Dependents: 4
Driving License: TN32 2014 0004304 (Indian)