

INSTRUMENTATION ENGINEER

AJMAL M

Ph: +971507156424

+971559019394

Email: ajmalm543@gmail.com

Current Location: Abudhabi, UAE



CAREER OBJECTIVE

To work as an instrumentation engineer in a reputed organization where I can utilize my skills and enhance my knowledge.

EXPERIENCE SUMMARY

- Currently working as Instrumentation Engineer at L&T Ltd. for **Bharat Petroleum Corporation Limited-Kochi Refinery**, Kerala, India on contract basis since December 2014 (1 year).
- Worked as Instrumentation Engineer at Edac Automation Ltd. for **Reliance Industries Ltd (Refinery)**, Jamnagar, Gujarat, India on contract basis from September 2012 to October 2014 (2 years).

TECHNICAL SKILLS & EXPOSURE

- Selection, calibration and installation of field Instruments
 - Transmitters: Differential Pressure, Pressure, Magnetic Flow, Mass Flow, Temperature
 - Control Valves : Globe valves, On-Off valves, Butterfly valves, Positioners, I/P Converters
 - Others: RTD, Thermocouples, Switches, Gauges, Proximities, SOV, MOV.
 - Special Systems: O2 analyzer, PAC systems, Nucleonic LT.
- 375 & 475 filed communicator.
- **HART** protocol.
- Read and interpret P&ID's, hook up drawings, SLD's ,layouts ,cause & effect diagrams etc and manipulate changes as per actual site conditions.
- Maintenance of the instrumentation and control systems during normal operation as well as planned and unplanned shutdown period.
- Configuration, testing of **FOUNDATION FIELDBUS** devices.
- Programming skills - **Functional block diagram, ladder diagram** and structured text programming.
- Engineering and maintenance of yokogawa dcs Centum-VP and CS3000.
- Engineering and maintenance of fail-safe plc Prosafe-RS.
- Installation and testing of fire and gas equipments like gas detectors, flame detectors, smoke detectors etc.
- Engineering and construction supervision of cable tray work, cable laying, instrument installation, impulse tubing, loop checking of various instruments.
- Executed maintenance job in shutdown process.
- Hands on experience in commissioning, trouble shooting, start up, shutdown job.
- Preventive / corrective maintenance, manpower / inventory control.
- Root Cause Analysis of failure and implementation of recommendations.
- Experience in SAP and SVN systems.
- Excellent computer skills.

1. L&T Ltd

Client: BPCL-Kochi Refinery, Kerala, India

Period: December 2014 to Present

Project: IREP (Integrated Refinery Expansion Project)

Responsibilities

- Installation of field instruments as per P&ID's, hook up drawings.
- Erection and Commissioning of all field instruments (Pressure, Temperature, Flow, Level instruments), Control Valves. On-Off Valves, ESD Valves, F&G instruments.
- Performing Loop checking, ESD Logic checking and interlocks.
- Carried out Pre-Commissioning and commissioning activities.
- Carried out graphics checking, set point verification, tag assignment verification, preparation of loop wiring diagram.
- Preparation of all reports which includes instrument calibration report, installation report, JB installation report, cable continuity checking report and Loop checking report.
- Review of instrumentation drawings and preparation of material requisitions.
- Laying of internal earthing, power, signal and field cables as per schedule.
- Installation of Cabinets and consoles.
- Testing and termination of all cables.
- Installation of cable tray, supports, JB's and tray routing as per given and typical drawings.
- Preparation of Project schedules and Daily, weekly, Monthly Progress Reports.
- Follow up with client regarding construction activities & materials.
- Responsible for site inspection, test reports and documentation.
- Every day site execution work progress monitoring & preparation of site progress report to meet customer satisfaction with proper safety at site.
- Arranging material from client and mobilization of manpower at site.
- Coordination with site regarding Erection and Testing of equipments as per ITP and final documentation for handover of project.
- Control and maximum utilization of supervisors and manpower
- Managing the project operations with a view to ensure timely accomplishment of project targets within the time and cost parameters.

2. EDAC Automation Ltd

Client: Reliance Industries Ltd, Jamnagar, Gujarat, India

Period : September 2012 to October 2014

Project: J3 Gasoline upgradation project

Responsibilities:

- Project Coordination in the construction of new aromatics unit.
- Providing support in day to day maintenance activities of the plant.
- PLC & SCADA Communications, Programming and Troubleshooting.
- Maintain maintenance records, log books within the plant.
- Condition monitoring of all the rotating equipments within the plant.
- Troubleshooting of various field instruments like valves, transmitters, switches etc.
- Ensuring preventive maintenance of various control instruments.
- Supervision of site construction activities and maintaining daily/weekly progress report

REFERENCES

1. Mr. Rahul Krishna

Asst. Project Manager, BPCL

Ph:+919447357931

2. Mr. Rameez Farook

Senior Instrumentation Engineer, Edac Automation

Ph: +91-9731725222

EDUCATIONAL QUALIFICATION

- B.Tech – Electronics & Communication Engineering- **Govt. Rajiv Gandhi Institute of Technology**, Kottayam (MG university) -2012
- XII – MES Central School, Tirur, Kerala (C.B.S.E) - 2008
- X – MES Central School, Tirur, Kerala (C.B.S.E) - 2006

TRAINING

Successfully completed the process automation training from **Yokogawa India Ltd** on

- DCS engineering and maintenance - CENTUM VP and CS3000
- PLC engineering and maintenance - PROSAFE-RS and STARDOM
- Field Instruments
- FIELDBUS - Foundation Fieldbus
- SCADA – FASTOOLS

PERSONAL DETAILS

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|-----------------------------|---|
| • Fathers Name: Kabeer Babu | • Passport No: K1582934 |
| • Nationality: Indian | • Passport expiry:03-11-2021 |
| • Date of birth: 06-02-1990 | • Languages known: English, Hindi, Malayalam, Tamil |
| • Marital status: Single | |

DECLARATION

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Abudhabi

Yours sincerely

Ajmal M