Ravi

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**Instrumentation and Control**

**Professional Profile**

* I am associated with **Instrumentation Fields** since **7 years** in the various sectors like Oil & Gas Plants, Power Plants, Chemical Plant, Power Plant, Fertilizer Plant, etc. for a period of around **3+ years in abroad**. Hands on experience in erection, commissioning, running plant maintenance of all type of Instrumentation including Analyzers, DCS, PLC, Vibration Monitoring Systems, Controllers, Control valves, Transmitters, etc. in above sectors.
* A demonstrated talent for analyzing problems, and finding innovative solutions. Proven ability to motivate others and work effectively with persons from other cultures and walk of life. Committed to the highest level of professional and personal excellence.
* Able to understand and explain Instrumentation related terms like **Plant loops, Drawings, logics, P&ID, Panel Wirings, Configurations, Computer Networking**.

**Maintenance Abilities**

* Knowledge about **DCS system** (Yokogawa Centum VP3000), Gas turbine(BHEL) , Boiler(Thermax), Fire & Gas system(Tata Honeywell)
* Hands on experience in Various types of  **Analyzers**; Zirconia O2 analyzers, **NH3, NOX, O2, CO**, (**ABB 2040, URAS – 9000, Servomax, Environment S.A**. etc) in the off gas of stacks and ambient air monitoring stations.
* Deep understanding of **PLC Programming** ladder logic and all aspects of inputs and outputs of the system
* Excellent understanding of **HMI programming** and its interaction with PLC
* Troubleshooting skills needed to make sure all machines are running as efficiently as possible
* Proficient in all other **computer programs**
* Capable of learning new techniques and technology as they are discovered
* Handling erection & commissioning of the plant involving **erection & commissioning** of various instruments and analyzers.
* Overseeing maintenance function, providing solutions to different types of Instruments to increase machine up time.
* Part of Running Plant Maintenance activities, breakdown activities, Modifications etc.
* Calibration and **Maintenance** **of control valves** with HART in DVC 3000 version
* Installation & maintenance of **Vibration Probe** of Bentley Nevada (3500-3300)
* Experienced in the field instruments and control systems procurement activities
* Perform the plant routine check-up, Preventive and Corrective Maintenance.
* Testing and maintenance different switches like limit switch, proxy switch, and pressure switch, Level Switch etc.
* Calibration and maintenance of Flow, Pressure, Level Transmitters Emerson Rosemount, ABB, Rosemount.
* Operational and maintenance knowledge in a **Fire and Gas Systems** like Combustible gas Detectors, H2S Detectors, Smoke Detectors, Manual call points.
* Familiar with Different temperature elements RTD, Thermocouples
* Calibration and maintenance of analytical instruments **PH meter, Conductivity meter** (GIL) etc.
* Handling of portable calibrators Scandura B20, HART 375, and TKE3.

**Skills**

* **Effective computer skills for specific software applications, Networking etc.**
* **Effective communications both verbal and written**
* **Ability to review and interpret instrumentation documentations, installation drawings, loop diagrams, P&ID etc.**
* **Ability to work with safety and security in all aspect of job**
* **Demonstrate ability to working with very good quality control measures, paying attention to details, accuracy to assure the**
* **Ability to understand the problem and solving it using easy methods.**

**Project Snapshot**

* Attended the **project of Power plant** (220MW) with Gas Turbine (BHEL) and Boiler (Thermax)
* Associated with Loop Checking, Testing/Pre-commissioning activities of all types of Instrument.
* Involved in installation, Calibration of Instrument.
* Review all the detailed engineering documents and drawings, reviewing vendor documents and calculations.
* Involved in initially Plant Start-up Activities and troubleshooting.

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* Currently, I am working as an Employee of **Sohar International Urea and Chemicals Industries (SAOC)** at **Oman** as an Instrumentation Technician since January 2013.My Responsibilities are total preventive and breakdown maintenance according schedules of various equipment’s, analyzers and instruments to increase machine up time.
* Worked as Maintenance Instrument Technician in **M/s. Reliance Industries Ltd.** **Jamnagar (India)** though contract of **Techno Concept** from April 2012 to December 2012. Performed duty in Hydrogen Manufacturing unit (JERP).
* Worked as Instrument Maintenance Technician in 220 MW and of Naphtha Oil & Natural Gas Fired Gas turbine, HRSG Boiler & 77 MW of Steam Turbine in a Power Plant (CPP) in **M/s. Essar Power Ltd, Gujarat (India)** though contract of **Balaji Industrial Services** from September.2010 to March 2012.
* Worked as Instrument Technician, **in M/s. Reliance Industries Ltd. Jamnagar (India)** Through **Adept Engineering** from December 2009 to August 2010.
* Taken Training as Instrument Apprentice in **M/s. Tata Chemicals Ltd. Mithapur (India)** from October 2008 to September 2009.

**Educational credentials**

* **Diploma in Instrumentation and Control** in MS University from AURA Management Study(India)
* National Trade Certificate in **Instrument Mechanic** from Industrial Training Institute, Jamnagar(Gujarat-India)
* **Instrument Apprenticeship Training** takenfrom M/s. Tata Chemicals Ltd. Mithapur (India)

**It skill set**

* **Operating systems** **: Windows-10,8,7**
* **Internet**  **: Very good**
* **Programs** **: Office Tools**
* **PC Networking**  **: Very good**

**Personal Particulars**

* **Profile : Male, 25, Unmarried, Indian, (Gujrati)**
* **Current Position : Instrument Technician**
* **Current Employee : Sohar International Urea and Chemicals Industries (SAOC) - Oman**
* **Current Location : Sohar – Oman**