



## **Job Description**

### **Instrumentation Engineer**

**Location:** B-17, Islamabad, Pakistan (Candidates residing near **B-17, Wah Cantt**, or **Taxila** will be preferred)

**Job Type:** Full-Time, Onsite (Monday to Friday, 12:00 PM – 9:00 PM)

**Experience Required:** (5+ Years Experience)

**Work Mode:** On-Site (No Remote Work)

## **About Us**

At **IT Solutions Hub 2010 Pvt Ltd**, we provide tailored IT and engineering solutions that help businesses achieve measurable results. With expertise in software development, digital transformation, and engineering services, our focus is on delivering innovation, efficiency, and compliance across complex projects. We are seeking a skilled **Instrumentation Engineer** to join our project team, responsible for the technical review, planning, and execution of instrumentation works within the EIA scope. The ideal candidate will ensure compliance with international and Dutch standards while contributing to high-quality, safe, and efficient project delivery.

## **Key Responsibilities**

- Review documentation, including P&IDs, isometrics, instrument datasheets, and loop diagrams.
- Verify compliance with IEC 61511, IEC 60079 (ATEX), ISO 5167, NEN-EN standards, and project specifications.
- Provide clarifications on installation requirements and resolve design/field engineering queries.





- Review **3D models** to verify measurements and ensure no work scope clashes.
- Prepare material take-offs for instruments (**flow, pressure, temperature, level**), **junction boxes, impulse tubing, fittings, and cabling**.
- Define **ATEX/IECEx-certified** field instruments for hazardous areas.
- Support **procurement by reviewing vendor offers** for compliance with **Siemens Energy requirements**.
- Develop installation methodologies for **instruments, tubing, impulse lines, and hook-ups**.
- Provide input for **manpower planning**, including **instrument fitters** and **loop check teams**.
- Ensure **proper routing and segregation of instrument cabling** as per project standards.
- Define **calibration requirements** and **acceptable ranges/tolerances** for each instrument type.
- Develop loop check procedures and integration requirements with **DCS/PLC** systems.
- Ensure readiness of **I/O lists, loop folders, and test records**.
- Coordinate with the **Commissioning Manager** for **integration into the R Drive completions tool** for progress tracking, punch-listing, and handover.
- Ensure all instrument installations comply with **ATEX zoning** and **hazardous area regulations**.
- Support **QA/QC** with **inspection & test plans (ITPs)** for **calibration, installation, and loop checks**.
- **Monitor adherence** to site **HSE requirements** during installation and testing.
- Coordinate with the **Electrical Engineer** for the **power and grounding requirements of instruments**.
- Collaborate with the **Automation Engineer** to ensure proper communication between field devices and control systems.
- Provide technical support to resolve interdisciplinary queries involving **mechanical, piping, and electrical teams**.





## Requirements

- Strong knowledge of **IEC 61511, IEC 60079 (ATEX), ISO 5167**, and **NEN-EN standards**.
- Experience in **instrumentation design review, calibration, loop checks, and commissioning**.
- Familiarity with **ATEX/IECEx-certified instruments** for hazardous areas.
- Ability to review and interpret **P&IDs, datasheets, loop diagrams, and 3D models**.
- Experience in **QA/QC, ITPs, and site safety compliance**.
- Skilled in coordinating with **electrical, automation, and multi-disciplinary teams**.

## Preferred Skills

- Experience **with large-scale industrial projects**.
- Familiarity with **DCS/PLC systems integration**.
- Knowledge of **the R Drive completions tool**.

## What We Offer

- Opportunity to contribute to high-profile international projects.
- Professional growth and technical skill development.
- Collaborative and innovative work environment.
- Exposure to global standards in instrumentation and engineering.

