**ARVIND KUMAR SHARMA**

**Mobile:** +918743018015. **E-Mail:**[arvind.instru@gmail.com](mailto:arvind.instru@gmail.com)

**Skype ID**: arvind2it@gmail.com

**Seeking assignments in Instrumentation Engineering (Design, Maintenance, Project Management/Site supervision or PLC & SCADA) with a growth oriented organisation.**

**SYNOPSIS**

* **B.E. (Electronics & Instrumentation)** professional with **over 14 years** of experience in **Instrumentation Engineering for Design & detail engineering with Site Construction, Inspection, Technical Support, Maintenance and Installation/commissioning.**
* Currently associated with **Toshiba/TWSPL, Gurugram (Delhi NCR) as Deputy Manager and executing 700 KLD ETP Project at GDPL, Ahmedabad site as an E&I lead.**
* Demonstrated abilities in working on Project Execution & Supervision, maintenance initiatives, thereby bringing down equipment breakdown & achieving annual costs savings.
* Deft in handling the complete development operations entailing planning, testing, inspection &ensuring of quality assurance.
* An effective communicator with exceptional relationship management skills with the ability to relate to people at any level of management.
* **Core Competencies**
* Design Engineering ⦁Project Management ⦁ Instrumentation and Control ⦁ Operations/ Maintenance ⦁ Erection/ Commissioning ⦁ Cost Optimization ⦁ Statutory Compliance ⦁ Relationship Management

**SKILL SET**

**Technical**

**PLC :** GE Fanuc, Allen Bradley, Siemens

**Drives :** AC (Siemens), Servo, commander SE.

**SCADA** **:** Wonder ware in Touch, IntellutionProficy (i-FIX DCDA).

**DCS :** EPKS (Honeywell), Delta V R5.1 (Emerson)

**Functional**

**Instrumentation (Site Execution)**

* Evaluation and preparation, scope of E & I work on the basis of design documents & BOM.
* Preparation of incoming material inspection report at site.
* Erection of panels and Junction box/field instruments.
* Preparation of Field equipment installation report.
* Power, control and instrument cable laying as per cable schedule.
* Megger testing and termination of cables as per termination detail.
* Cold and hot loop testing.
* Perform Hydro testing for the impulse tube lines.
* Commissioning and calibration for the different types of instruments.
* Preparation of measurement sheet and Final installation report for the billing Purpose of E&I Items.
* Conducting site acceptance test at site after completion of erection & commissioning work.

**Instrumentation (Detail & Design Engineering)**

* Overseeing the instrumentation, designing and detailed engineering.
* Coordinating with the entire development including requirement analysis, finalizing specifications, selection of instruments, procurement, inspection, etc.
* Checking &calibrating of various types of instruments as per schedule.
* Accountable for review of P&ID, Management, Co-Ordination of Projects – Technical Discussion with Vendor & Customer.
* Handling Design & Detailed Engineering of Projects.
* Developing Instrumentation on design Basis.
* Preparing of Instrument Index, I/O schedule, datasheets of instruments, Loop diagrams, hook-up and wiring diagrams, Panels and control Layouts, cables and Junction box schedule etc.
* Study of cause and effect diagram.
* Technical Bid Analysis.
* Vendor documents review and Final documentation.
* Preparation of Purchase Requisition for Instruments.
* Selection of Fire and Gas Devices.
* Use of Smart Plant Instrumentation **(SPI)** software for the preparation of technical documents.
* Hydro testing, Inspection of different Instruments and FAT (Factory Acceptance Test) & SAT (Site Acceptance Test).
* Handle sites, coordinate for smooth commissioning and procurement activities and provide technical inputs for activities consisting of erection & commissioning of DCS & Field Instruments.
* Organize and manage resources while creating estimates for the project, Work Breakdown Structure, Project Plan, Contingency Plan & Schedules, identifying risks within defined scope, quality, time and cost constraints by maintaining good relations with Consultants/ Licensors/ Statutory Bodies for compliance of requirements.
* Provide technical leadership while estimating and evaluating the effort/ schedules and managed the team and its grievances while training them.
* Efficiently performed the functions of predictive/ breakdown/ preventive maintenance for reducing machinery downtime to minimum
* Implement cost saving and energy saving techniques/ measures and modifications to achieve substantial reduction in O&M expenditures and work within the budget.
* Responsible for Process measurement & control instrumentation & services for monitoring, recording & optimizing manufacturing processes. Configuring and programming of various plant equipment.
* Handle logic solving in control panels & various interlocking schemes required for automation and analysing all drawings related to automation & control systems.

**OPERATIONS PURVIEW**

***Working Knowledge of:***

* Siemens Simatic Step S7 400 v5.3/5.4 PLC.
* IntellutionProficy(i-FIX DCDA) Scada.
* SPI (Smart Plant Instrumentation)

**Work Experience:-**

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| **Sr. No.** | **Name of Employer** | **From** | **To** | **Designation** | **Project** | **Roles & Responsibility** |
| 1. | Toshiba water solution Pvt. Ltd. Gurugram. | 5-Jan.-2019 | Present | Dy. Manager/Instrumentation lead | 1. ETP Modernization project (BS-VI)@IOCL Mathura Refinery. | Detail & design engineering with execution support for Installation & commissioning work at project site. |
| 1. | Emerson, Vadodra | 10-July-2017 | 31-Dec.-2018 | Project Engineer | BPCL-LPG Plant automation project @ Pune. | Detail & design engineering with execution of Installation & commissioning work at project site. |
| 2. | GS Engineering & Construction Ltd. Gurgaon. | 2- April-2014 | 29-July- 2016 | Instrumentation Design Engineer | Clean fuels Project for Kuwait National Petroleum Company Refinery | Detail and design engineering of projects for Revamp and green fields units. |
| 3. | Projects & Development India Ltd.(Govt. of india undertaking) | 16-August-2010 | 31-March-2014 | Engineer | Petroleum storage Terminal Automation System.  . | Detail/Design Engineering and supervision of project work at site . |
| 4. | National Oilwell Varco, Mumbai. | November-2008 | 4-January-2010 | Engineer | Cyber base Rig Control system for ONGC. | Providing technical support, service for Cyber-Base Rig Control System and Drilling Machine (TDS11SA, 10SA), prepared by Varco. |
| 5. | Tripti alcobrew Ltd. Banmore, Morena. | September-2006. | August-2007 | Instrumentation Engineer | Brewery Plant. | Conducting maintenance & troubleshooting of Fillingm/c, Labelingm/c,Case-Packer m/c (KHS & KRONES). |
| 6. | Standard Surfactans Ltd, Mandideep, Bhopal. | September-2003. | August-2006 | Instrumentation supervisor | Sulphur’s chemical plant. | Calibrating& loop testing of Control Valve,Solenoid Valve, SmartTypePT, DPT, FT.  Handling the calibration of Thermocouple, Presser Gauge, RTD by software (Read win 2004 E+H), different type of Temperature Controller & Presser Controller, Presser Switchand Electrical Shut Down |

**ACADEMIA**

2003  **B.E. (Electronics & Instrumentation)** from Institute of Technology &Management College, Sithouli, Gwalior-Rajeev Gandhi Technical University, Bhopal (AICTE) scoring with70%.

1997 **12th (Science)** from Secondary Education Board, Bhopal (M.P.) scoring 69.1%.

1995 **10th**from Secondary Education Board, Bhopal (M.P.) scoring 69.6%.

**PERSONAL DOSSIER**

**Date of Birth :** 5thOctober, 1980.

**Address :** S/o Mr. Ramdas Sharma, Shivhare Colony, Mira Nagar, Morar, Gwalior - 474006, M.P.

**Linguistic Abilities :** English and Hindi.

**Passport Number :** T1730916 – Valid Upto 12- Feb.-2029.

**INDos Number :** 09HL2460.

I am submitting herewith my resume for your perusal and favourable consideration for the post of ...........in your organization.

Thanking you,

Yours sincerely

**Arvind Kumar Sharma**