APPLICATION

February 7, 2022

Himanshu K. Jinwala
174, Shankar Nagar Soc,
Palanpur Patia,
Rander Road,
Surat –395005.
Gujarat, INDIA.
Phone: +91- 7600014285

Sub : Application for the post of Specialist Engineer - Instrumentation & Control

Dear Sir/Madam,

With due honor, I desire to draw your kind attention to my candidature for the above-mentioned post in your esteemed organization.

Out of 15 years of total work experience, I am having more than 10 years of experience in Project Planning and Execution using advanced application tools like**, MS project and Primavera-4, ERP-SAP 6.0 material management system and Preventive Maintenance**. **PACO**, **ASM**, Planning, Procurement, Inspection, erection, Installation, commissioning, calibration of various type of instruments, HAZOP and control systems for various projects and continuous process plant like Chemical, Petrochemical, Oil and Gas, Power, Boiler in instrumentation field.

I have worked with DCS, PLC, SCADA system, to develop system databases and also functional block diagram checking and simulation activities.

So, I am requesting you to give me a chance to attend the interview to prove my credentials.

Regards,

Himanshu K. Jinwala

Encl: RESUME

RESUME



Himanshu K. Jinwala
B.E - Instrumentation and Control Engineering

E-mail: hkjinwala@gmail.com

Job Objective - Bestowed with great work ethics and commitment to excellence seeking a position that offers a technically challenging environment and greater responsibilities.

Job Title: Basic/Detailed Engineering, Type of Instruments selection, Erection, commissioning, Maintenance / troubleshooting and resource management.

PLANT/SYSTEM EXPOSURE:

Petrochemical	: 50,000 MTPA TDI by technology supplier CEAB, Swedan.
Reformer	: H2 and CO generation from NG by technology supplier TPBV, Germany and detailed engineering by M/S Technip
Compressors	: BCU, VAM, N2 compressor, CO/CO2 compressors,
Drumming Systems	: Fiege supplied Fully Automatic TDI drumming system.
Power	: 2x25MW CPP– SIEMENS AND AEG MAKE 1x35 MW CPP – BHEL MAKE.
Control System	: 1) DCS (Honeywell-Experion PKS C300_ 9000 IOs 2) ABB- MP280 & AC- 450, AC-800F) I/O Capacity-1100

A) May' 2010 – till date: **Gujarat Narmada Vally Fertilizers & Chemicals Ltd.**
Project: TDI-II Dahej, Bharuch, Gujarat.
Company Products: TDI, Aniline, Methanol, CAN, Nitric Acid, CNA, WNA, Urea, Ammonia, Nitro phosphate, Acetic Acid, and Ethyl Acetate etc.
Designation: Manager Instrumentation (Projects/Maintenance).

Summary of Skills:

- Knowledge of Detail Engineering, Hazardous Area and Gas Classification, Intrinsic Safety Concept, Electrical Protection types, Ingress Protection Concept. Review and Fundamental Knowledge of Vulnerability study, PFD, HAZOP, LOPA, SIL, SIS. Selection of instruments as per above concepts. Review of Cause and effect, Logic diagrams.
- Development of Quality assurance checks for PACO Equipment and optimize PM Program.
- Instrument performance monitoring proactive monitoring through AMS.
- Instrument Failure analysis, mitigation and preventive action plan for SIL loop instruments.

- CODES AND STANDARDS- Familiar and knows different standards such as EIL, API, ASME, ANSI, ASTM, IEC, ISO, ISA, NEMA, NACE and IP codes etc.

- Engineering Documents: Design Basis & Philosophy, Instrument I/O List, Instrument specification sheet (ISS), Instrument installation Schedule (IIS), Instrument mounting and piping details, Instruments points and line diagram, ILD, Block diagrams, Cable Schedule, Project Specification, Datasheets & MTO for all Instrumentation equipment's. DCS / PLC I/O List & RAT list Preparation, Developing of Control philosophy, Safeguarding Philosophy, F&G philosophy, Control & Safeguarding logics. MTO preparations.

- Standard Installation Details: Instrument Installation and mounting details, instrument piping details, Hook up diagrams, Termination drawings.

- Instrument Procurement & Site support activities: MR Preparation, Vendor Drawing Review, Interaction with Clients & Contractors, Coordination with other disciplines, Interdisciplinary review, Support to Procurement team/Technical Bid Evaluation (TBE), floating of inquiries & Support to Construction team & attending Site Engineering Request (SER).

- Control Systems- Familiar & Fundamental Knowledge of Distributed Control System, Tank Gauging System, Safety Instrumentation System, Burner Management System, Machine & Condition Monitoring System, Fiscal Custody Transfer metering System etc.

- Worked as Project Coordinator and field group leader for EPCM projects.

Additional Qualification/Training under gone:

❖ **In Management Aspect:**

- **Project management** training taken for LEVEL 0 and LEVEL 1 at **L & T institute of Project management** via MS Project and Primavera – 4, Baroda.

- Material Management and Preventive Maintenance on **ERP SAP V-6.0**.

- Team Building management: Identifying and implementing strategies for building team effectiveness by promoting a spirit of **cooperation between team members.**

❖ **In Technical Aspect:**

- 3D Plant Model Review, **Navisworks** and Thermo well **WFC** by Emerson software.

- **Shared Foundation Fieldbus Erection and Commissioning Experience** in Annual Forum Organized by ISA / FF organization, presented to more than 150 delegates from well-known engineering expert faculties.

- **HYCO (Hydrogen-Carbon monoxide)** plant operation and maintenance training arranged by HYCO reformer technology supplier TECHNIP at YPC (BASF-SINOPEC joint venture), Nanjing, China-2013.

- Honeywell make **DCS series: Experion PKS C400** version 4.2 at Honeywell training center, Pune.

Core Competencies/ Experiences:

1) Selection & Sizing of various Instruments: Including control valve, orifice plate using CONVAL software. Selections of JB's, various cables, Control panels, Cable treys etc.

2) Evaluation of P&IDs considering all **Basic Standards as ISA and IEC**.

3) Preparation of **Control and Automation Philosophy, IO list/Index Cause & Effect diagram, Instruments Data Sheets, Hook-UP drawings and** As-Built of above documents and upload **on online DMS.**

4) Preparation of **Electrical Instrument Interface** wiring drawing.

5) Segment calculation schedule for **FF network**, FF JB allocation & Nest Loading in accordance with **CIF/COH configuration.**

6) **F&G location layout drawing** based on weather study & NFPA Standard.

7) **Evaluation of Vendor documents** & Coordination with Other disciplines.

8) Instrument Failure analysis, mitigation and preventive action plan for SIL loop instruments.

Projects Handled:

- LIST-II, TDI-TAR recovery unit: as Project coordinator with all instrumentation scope.
- Process Licensor: LIST,AG Switzerland. (With 90% imported equipment supply)
- EPCM consultant: M/s INGENERO Ltd., Mumbai
- Project cost: 93 crore, Project period: 2 years, Project ROI: 3.5 years.
- Commissioning of SAFER system along with Metrological Station.
- Prepared capital budgets for Instrumentation and Control Unit.
- Worked as Team Member By taking care of implementation of new project of CDM plant, it includes Allen-Bradley PLC to erection and commission with ABB makes DCS system through MODBUS Protocol.
- Energy conservation project – Installation of Allen-Bradley make Variable Frequency Drive (VFD) a highly sophisticated technological product.
- Gas & Oil fired Burner Management System installation and commissioning.
- Voltas make Brine chilling unit (-19 deg C) - Master Slave machine loading/unloading logic development and Vapor absorption Machines (Chilled water 8 deg C) within 2 working 1 Standby unit.
- Fire Fighting System Logic preparation, commissioning along with deluge valve, Jockey pump and ammonia sprinkling system.

Job Profile:

- Quality Assurance checks for PACO equipment repairs and overhauls.

- Material Management & Preventive Maintenance via ERP version SAP6.0.
- Technical Scrutiny and vendor Follow ups for Inst. Procurement.
- Cost benefit analysis & Change Impact Assessment (CIA) for Brownfield modification.
- Ensure full implementation of the company's HSE rules and regulation.
- As a Safety Committee Member, involved in all Safety mock programs.
- All the documentation Management system & Field jobs for ISO-9001 / 14001 & OHSAS-18001.

Additional Responsibilities:

- Review of Equipment Safeguarding & protective functions (Alarm/Trip Limits), Publishing related Recommendations, updating of Variable data table and co-ordination with operations & Maintenance team for Ensure safe production (ESP) module compliance.
- Hands on Exp. On Operation & Maintenance in Various DCS Servers like History, LIMS, E-server, OPC, AMS for Advanced Process Automation.
- Troubleshooting of Control System Honeywell Experion PKS C300, ABB AC-800M and Weather station, Integration between Gas detectors & OPC/Client server via DCS and its Advanced back calculation software and hardware system.
- Planning for up gradation of instruments to achieve production quality and cost minimizing.
- Maintenance and calibration of Electro-pneumatic control valves (Phonix, Euro-Chlor Grade valves, Raman, IL, MIL, KENT, Rotex, Floserve, Samson, etc)
- Maintenance and calibration of different analyzers: Conductivity, PH, Redox) & some online gas/liquid analyzers (Servmax, ABB) for Moisture, CL2, CO, H2, COCL2) working on various principles.
- Hazardous gas detectors like Cl2, COCL2 (Phosgene), H2, NG, Toluene, etc from Dragger, MSA, Crowcon, Honeywell.
- Vibration and speed measuring instruments (Bentley Nevada) for cryogenic rotating equipment and compressor as well.
- Cable fault diagnostic & troubleshooting through FBT-6, meager test, etc.

Previous Organization:

I. June'2006 – March' 2007:- Navin Fluorine International Ltd. Surat, Gujarat
As Apprentice Engineer (I & C)

II. March'2007 – July' 2008:- Rama Newsprint & Paper Ltd. Surat, Gujarat
As Engineer (I & C)
Handled re-vamping project of de-inking plant up gradation since designing, procurement, HAZOP study till execution stage having 1100 DCS I/Os.

III. July' 2008 – Oct' 2009:- Navin Fluorine International Ltd. Surat, Gujarat
As Instrument Engineer (I & C)

Established UNFCCC Approved CDM (Clean Development Mechanism) Plant to generate Carbon Credits.

IV. Oct' 2009 – May'2010:- Gujarat Fluorochemicals Ltd. Dahej, Bharuch, Gujarat
As Instrument Engineer (I & C)

Educational Background:

Sr. no.	Educational Qualification	Year of Pass Out	University	% Obtained
1	10th (S.S.C)	March-2000	GSEB	80.13%
2	12th (H.S.C)	March-2002	GSEB	59.61%
3	B.E in Instrumentation and Control	June-2006	VNSGU	60.31%

Personal Details:

Name : Himanshu k. Jinwala
Date of Birth : February 04, 1985.
Phone / Mobile nos. : +91-7600014285
E-Mail : hkjinwala@gmail.com
Language Proficiency : English, Hindi and Gujarati.
Notice Period Require : 3 Months.
Passport No : G2866195

Permanent Address:

174, Shankar Nagar Soc, Palanpur Patia, Rander Road**,** Surat –395005. Gujarat, INDIA.

DECLARATION:

I hereby declare that all the details furnished above are true to best of my knowledge.

February 7, 2022 **Yours Faithfully,**
Place: Bharuch, Gujarat, India

(**Himanshu K. Jinwala)**

Reference details:

1) Mr. R.D.Chauhan (senior manager Instrument deptt) PH: – 09898037461.
Gujarat Narmada Valley Fertilizers& Chemicals Limited,
D/II/8, Dahej-II, Industrial Estate,
At: Rahiyad, P.O. Dahej-392130,
Ta : Vagra, Dist : Bharuch, GUJARAT

2) Mr. Rajgopal Kasat (Chief Manager Instrument Deptt) PH: 9724584810
M/s Navin Fluorine International Ltd.
Bhestan, Surat.