

SHANKAR JODHA

Associate Manager- Control and Instrumentation

10 Years of Experience

BTECH- National Institute of Technology Jaipur

101,Manu Service Centre Street, Keshav Nagar,
Near New Bus Stand Pali (Rajasthan)

WORK EXPERIENCE

Hindustan Zinc Ltd- 6 yr

Vedanta Aluminium Ltd- 4 yr

Email:jodhashankar14@gmail.com

Mobile: +919001348333

SYNOPSIS:

Highly Enthusiastic, Disciplined and performance-driven Engineering professional enriched with **more than 10 Years of experience in Instrumentation Projects, Maintenance & Planning**. Proficient in all aspects of **Automation with field instrumentation, DCS (Honeywell Experion PKS-C300, C200), PLC (Allen Bradley RS Logix with Factory Talk View)**.

PROFESSIONAL EXPERIENCE:

Extensive knowledge of concepts, principles & practical implementation of Instrumentation engineering for Zn-Pb Mill Plant (Crushers, Grinding Mills, Froth Floatation, Thickeners, Hydraulic Press filter) Paste fill Plan, Aluminum Smelter (Carbon House) etc.

Associate Manager-Instrumentation and Control

- **ORGANIZATION** : HINDUSTAN ZINC LTD, RAJSAMAND
- **DURATION** : FEBRUARY 2014 TO PRESENT
- **DESIGNATION** : ASSOCIATE MANAGER – INSTRUMENTATION

Responsibilities:

- In-depth knowledge and hands on experience of maintenance, operations, implementing quality control systems & procedures to achieve highest quality standards.
- Experience in installation & Maintenance of wide range of Instruments (Weight, Temperature, Flow, Pressure, Density, vibration & Level sensor-3D, Control valves, Analyzer) etc.
- Calibration of Analyzers -Multi Stream Analyzer, Courier Analyser, Moisture Analyzer, pH meter, Oil Flow Tx, Weigh feeder, Belt scale & Control valve & Density meters etc.
- Hands-on experience in DCS system (Honeywell Experion PKS-C300,C200) & PLC Make-Rockwell (CLX, CompactLogix, PLC-5, Micrologix1400), GE Fanuc, Schneider etc. & its SCADA (RS Logix5000, RSlogix500, Factory Talk View Studio, RS View 32, Panel View Plus) etc.
- In depth Experience in PLC, DCS, SCADA, OPC servers, Third party Communication protocols (Device net, Control net, TCP/IP, Modbus etc).
- Exposure to SAP PM and MM module and Monitoring daily data entry in SAP in Plant Maintenance Module.
- Responsible for Spare parts Management & maintaining the safe stock of instruments along with periodic VED review.
- Adhered to EHS standard Safe Standards like LOTO, Permit to Work, Work at height, Line of fire, Confined space, fire, Hot work, JSA etc.

Associate Manager-Instrumentation and Control:

- **ORGANIZATION** : VEDANTA ALUMINUM LTD JHARSUGUDA
- **DURATION** : AUG 2010 TO JAN2014
- **DESIGNATION** : Assistant Manager-Electrical & Instrumentation Maintenance

Responsibilities:

- Functioning as a Shift Electrical and Instrumentation Maintenance In charge.
- Preventive & Predictive maintenance for Pneumatic & Hydraulic equipment's, Drives, Motors.
- Performing calibration for Transmitter (Weight, level, Temperature, Flow& Pressure measurement).
- Responsible for management of spare parts & Contract (MBE, Siemens) manpower planning.
- Understanding of various process, Mechanical & Electrical deliverables like P&ID, Equipment Layouts, Process flow sheets, Electrical Drawings like MCC, Power distribution, SLD etc.

Core Competencies

- Maintenance & Troubleshooting
- DCS, PLC & SCADA
- Instrument calibration
- Project Management & Commissioning
- Spare Parts Management
- Contract manpower Management
- SAP-MM & PM Module End user

Projects undertaken

- Successfully done the **Commissioning & Maintenance of 2.5 MTPA Pastefill plant**, Hindustan Zinc Ltd.
- Successfully completed **-Specific Power Reduction Project** from 14.50kwh/m³ to 11kwh/m³ at Pastefill plant, Hindustan Zinc Ltd
- Successfully commissioned **Sandvik Gyrotory Crusher ASRI Project** at Hindustan Zinc Ltd to enhance Crusher availability from 96% to 98.5%.
- Installation & commissioning of **CBM Project for Mill Gear Box** at Hindustan Zinc Ltd.
- Successfully Upgraded the **Bosch CCTV Camera system** from Analog to PTZ server based camera at Hindustan Zinc Ltd.
- Implemented **KAIZEN Projects** – Anode Height Optimisation with laser, Metal detector commissioning & Vibro compactor Safety interlocking at Carbon Plant ,Vedanta Aluminium Ltd.

Standard Maintenance Practices used

- Preventive Maintenance system in SAP
- Failure mode Effect analysis (FMEA)
- Root cause Analysis (RCA)
- Reliability centered Maintenance (RCM)
- Condition base Monitoring (CBM)
- Breakdown Analysis Standards (MTBF, MTTR)
- Kaizen, Focused Improvement Project (FIP)

Training

- Rockwell Automation PLC
- Industrial Hydraulics
- Reliability Centred Maintenance (RCM)
- Root Cause Analysis (RCA) & FMEA
- Fire Fighting
- 5S training

Scholastics

	University/Board	School/College	Percentage	Year of passing
10th	Central Board of Secondary Education	Jawahar Navodaya Vidhalaya Pali	83.6 %	2003
12th	Central Board of Secondary Education	Jawahar Navodaya Vidhalaya Pali	82.8%	2005
B.Tech	Malviya National Institute of Technology, Jaipur	Malviya National Institute of Technology, Jaipur	7.4(CGPA)	2010

Personal Dossier

- Date of Birth : 14th March, 1989
- Marital Status : Married
- Languages Known : Hindi, English, Gujrati
- Interest & Hobbies : Playing Outdoor games & Puzzles Solving

Declaration

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

Date: 16th Oct 2020

(Shankar Jodha)