

# Arvindeh Ravindran

**Head- Process and Quality Control- Aluminium smelter**

ArvindehR05cit@gmail.com | 9937298201

Korba, Chhattisgarh 495684

**WWW:** [linkedin.com/in/arvindeh-ravindrarn-88801470](https://www.linkedin.com/in/arvindeh-ravindrarn-88801470)



## SUMMARY

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Customer-focused Process and Quality Control Manager with >15 years of experience in manufacturing industry. Successful at internal audits and correctly forecasting product markets for accurate supplying. Skilled at working with customers and clients to ensure fantastic service. Professionally trained and Mentored several engineers as an induction program trainer. Accomplished key projects that can bring down COP of my organization by >80000\$/Year in the last 2 Fiscal.

## EXPERIENCE

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### Lead - Process and Quality Control

Bharat Aluminium Company | Korba, India | Sep 2021-Current

- Data Analysis and Process Optimization.
- Quality Assurance and audit.
- Production Planning, Dashboard Preparation and Team Handling.
- Root Cause Identifications with trends and Story Telling based on the data visualization.
- Predictions of Process parameter control via historic trend regressions.
- Classification of suppliers based on COA and ranking for benchmarking material procurement.
- Safety Projects Undertaking and accomplishment.
- Conducted internal audits to ensure compliance with ISO 9001, 2015, IATF, MAS, KPMG regulations.
- Reviewed several critical customer complaints and took appropriate action to resolve issues in a timely manner.
- Assisted in the development of new products by providing input on design specifications related to quality control requirements and market demands.
- Maintained accurate records of all test results and other pertinent data for future reference.
- Prepared Quality Control Central Dashboard along with Digital Team.
- Analyzed production data to identify potential areas for improvement in process or product quality.
- Participated in cross-functional teams focused on improving existing processes or developing new ones with an emphasis on quality control measures.

- Advised management on best practices related to product testing, inspection methods.
- Trained and mentored project leaders to drive culture change toward total quality mindset across production continuum.
- Managed continuous improvement application and Lean strategies to improve manufacturing margins and reduce costs.
- APQR, PPAP review and accomplishments.
- Skilled in process FMEA and Risk Analysis review and evaluation.
- Worked with several industrial expatriates on breakthrough projects for energy reduction.

### **Room Process In-Charge (Operations)**

Vedanta Aluminium Limited | Jharsuguda, India | May 2018-Sep 2021

- Lowest Specific DC power consumption Room for the year 2018-2019(12940KWh) In GAMI 325KA smelter with production figures and Current Efficiency on par with international Bench-markings and also ensuring Zero Injuries/ Zero Harm to the team
- Lowest ever Specific AlF<sub>3</sub> consumption for the year(16Kg/T)
- Highest ever metal purity hot metal production (>80% of produced metal under NEP)
- Designed programmed AlF<sub>3</sub> setting table for GAMI 325KA smelter that can bring in a good Thermal Regulation in Pots.
- Created Excel based AI, ACD Correction Table that can help giving accurate corrections for the Shop floor people that helps timely recovery of pot from unstability.
- Created Excel based AI, Zero Crash Table that can help in highlighting Critical pots timely to be stopped to avoid surprising Pot Tapouts.

### **Reduction Shift Supervisor**

Vedanta Aluminium Limited | Jharsuguda, India | Aug 2012-May 2018

- Awarded Best shift supervisor Thrice in the period of Role
- Health and Safety oriented job planning and execution
- Designed several Key Unique tools that helped huge in Cost Saving, Safety Embedding and Time Saving factors
- Weaponizing Job Rotation and Pot-Room knowledge and Risk based Training hugely for overall Team Building and Skill Development
- Unbiased skill-based tracking of Team members Performance and Appraising them following the given Distribution curve.

### **Graduate Engineering Trainee (Training and Probation)**

Vedanta Aluminium Limited | Jharsuguda, India | Aug 2009-Jul 2012

- Industrial Safety training and accomplishments.
- Shop floor fleet management.
- Quality Circle and Quality conventions
- Lab operations and certifications
- KIOSK and digital platform adherences.

## SKILLS

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- Team Building
- Resource Management
- Analyzing and Highlighting Key Observations
- Team leader and Team Player
- Key deliverability breakdown and completion
- MS-Excel and its Data Analyzing and Data Visualization tools (Certified Business Analyst with Excel from Simplilearn).
- Power BI and Tableau trained.
- MS-Office Skilled professionally (Rich experience in MS-Word, MS- PowerPoint and its access towards firm's several diversified utilization).
- Digital developments for Industry 4.0
- Management Skills and Strategy
- Good Listener
- Communication Skills
- Financial business strategist

## EDUCATION AND CERTIFICATION

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### **Six Sigma Green Belt (SSGB)**

Six sigma DMAIC projects certified | Tata steels L&D team | Jul-Aug 2024

### **Project Management And Successful Completion**

Project Management Professional | Global Project Management Institute Of Science | April 2023

### **Internal Auditor for IATF Certification | Nov'23**

### **Business Analyst with Excel**

SimpliLearn Online Education Portal | March 2022

### **Master of Business Administration in Human Resource Management**

Pondicherry University | December 2018

Project on Productivity Enhancing of Banking Professionals

### **Bachelor of Technology in Chemical Engineering**

CIT, Anna University | April 2009

## KEY PROJECTS

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### **AR-VR based Molten Metal safety training module | Jan-Mar 2025**

Completed a Project On AR-VR based customized training module for Potline, w.r.t. Molten metal safety and Highest-grade HAZARD of Potline.

### **Carbon Plant Study and Variations | Jan-Apr 2022**

Completed a Project On complete study and Analysis of Carbon Plant Operations and Process control and Deviation Analysis. With the Analysis given few vital Scope of Improvement and Areas of

Concern from the 4 month Analysis of Carbon dept in Baked anode Quality variations and its inter relations with process parameter to plant management.

### **Innovation based on Potline risk | Jun- Jul 2017**

Designed a Pioneer Tool for smelter, The tool helped in saving Potline from a major business loss and also in day to day Man-Hour savings.

## LANGUAGES

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**Tamil:** First Language

**English:**

Proficient (C2)

**Hindi:**

Proficient (C2)

**Telugu:**

Intermediate (B1)

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