**RAMANATHAN.N – Head – Plant & Projects**

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* Result Oriented Chemical Engineer having exceptional Problem-solving ability with strong leadership, time management and prioritization skills with **14.6 years of professional experience in Continuous and Batch Process Industries** with emphasis on Process Safety and Strategic goals to exceed customer expectations.
* Proven Experience in handling **Factory Operations, Process Safety management, Operational Excellence, Capacity Enhancement, Project & Program management, Process Engineering, Process Technology Management, Process Improvement & Development, Productivity, Cost Containment, Man Management, Maintenance Management ,Statutory Compliance, Accountability and Quality systems.**
* Proven ability of reviewing the existing systems to bring in drastic changes that Improve the **Process Flow, optimize cost, Enhance People efficiencies** & **Productivity.**
* Achieved more than **€ 8 M Euro Cost Savings** through substantial strategic initiatives focussedon **CAPEX & OPEX containment plan in 2017-2019.**
* Demonstrated leadership capability in driving Manufacturing Operation excellence using **Lean Six Sigma** methodologies at all levels in the Plant Processes and in the Systems.

**ROLES AND RESPONSIBILITIES**

**Plant Operations:**

* Lead the Manufacturing operations and the Process excellence activities of 5 Units.
* Provide leadership and vision to the organization by Leading Production , Maintenance (Mech, Elect & Instrumentation) Quality, EHS, Logistics functions to the desired goals.
* Responsible for Environment, Health, Safety (Process Safety management) & Quality activities and fulfilment of Statutory compliances in the plants.
* Analyse the planned v/s the actual targets and drive the activities to achieve the business & functional targets.
* Guide the Plant In charges to ensure continual improvement culture in plant by monitoring and analysing the process condition to improve the operational efficiency.
* Devise strategies to ensure growth of programs enterprise-wide, identifying and implementing process improvements that will maximize output and minimize costs
* Management of any significant issues that might affect progress.
* Ensure effective Planning & Budgeting based on Business targets and Capex for improvement of the plant.
* Work closely with human resources to lead the team with integrity and establish and maintain productive environment.
* Ensure team building, mentoring & coaching and necessary training / qualification program are implemented timely at all levels of employee.

**Project management:**

* Heading the Project Department and accountable for all the Onsite Pipeline projects.
* Leading new projects including Onsite-New Business Proposals, Expansion Projects, Technology Upgradation from a Process & Technological perspective and ensure that the Project is done in line with QMS,EHS & Regulatory requirements.
* Manage cross-functional teams and Communicate project requirements to ensure project milestones are executed on time to meet client's expectations.
* Drives project status meetings, captures issues and risks. Ensure Periodic updates to the Top Management. Manage Stakeholders / Matrix Team.
* Assesses variances from the project plan, gathers metrics, and develops and implements changes as necessary to ensure that the project remains within specified scope and is within time, cost, and quality objectives.
* Responsible for PSSR and Equipment Commissioning and Closures.

**CONTACT DETAILS:**

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**QUALIFICATION:**

**M.S in Manufacturing Management,**

Birla Institute of technology and science, Pilani, December 2012.

**B. Tech in Chemical Technology,**

National Institute Of technology, Trichy (Formerly REC), April 2006.

**Diploma in Plastic Technology,**

Tamilnadu polytechnic College, Madurai, October 2002.

**CORE AREAS OF EXPERTISE:**

* Factory management
* Process Safety management
* Production Planning & Control
* Process Optimization, Development & Improvement
* Operational Excellence
* Cost Reduction & Containment
* P&L Accountability
* World Class Manufacturing Concepts
* Statutory Compliance (PESO,PCB, DISH,PWD,FSSAI,CDESCO)
* Quality management Systems
* CapEX planning and Budgeting
* Project & Program Management
* EHSQ
* Training & Development
* Team Building & Mentoring
* Certified Lean Six Sigma Black Belt
* Technology Transfer & New Product Introduction

**EQUIPMENTS HANDLED**

Compressors, Heat Exchangers, Distillation Columns, Cooling towers, Dryers ,Pumps, Furnace, Liquid & Gas Storage vessels and transportation Systems, Vaporizers, Evaporators,

Mixing vessels, Agitators, Scrubbers Filtration units, Chillers, Pressure Vessels, Reactor vessel,

RO Systems, Filter Press.

**CAREER ACCOMPLISHMENTS**

**SICGILSOL INDIA Private Limited.**

* Eliminated NVAT in the Process by **75%** using KAIZEN event.(**From 69 to 17 Days Per Year).**
* Achieved **6.5 % reduction** in Product Specific power for the year 2019-2020 against the target of 5%
* Improved asset utilisation and fetched **0.80** Crore INR as cost avoidance in 2019-2020.
* Implemented FDA Compliance system for Medical Oxygen Manufacturing and Supply.
* Commissioned a **Zero Liquid Discharge plant** (ETP+RO+MEE) as per PCB norms.
* Successfully delivered more than **30** Nos of Cryogenic Liquid Supply System Projects with Zero Incidents and Accidents.

**UMICORE AUTOCAT India Private Limited (Catalyst Manufacturing)**

* + - Driven the Value creating potential roadmap within the business for the Operation’s department and fetched Savings to the tune of **€ 4.85 M** in ’18 -’19.
    - Generated an annual savings of **€ 0.50 M** through Rejection Reduction using Lean Six Sigma methodologies.
    - Grasped the Opportunity and proactively introduced “**WIP Optimisation**” methodologies and saved **€ 1.0** **M/Annum** in 2017.
    - Established a novice software’s for **FMEA** & **Process Safety management Process** as part of the Global Process risk management for the Chemical catalyst Manufacturing.
    - Directed **MES (Manufacturing Execution system)** department and Implemented an end of end automation process for **Process Management** Which **Eliminated the manual error** by **100%** in the Process Flow.
    - Cost avoidance of **€ 0.50 M** by Providing an innovative solution to a newly Introduced process technique by studying & understanding the customer specification.
    - Achieved **65% +** cost savings versus the planning number by convincing the Top management and established a **Prototype Laboratory** that generated the cost avoidance and revenue of **€ 0.84 Mio** annually on prototype sample cost.
    - “Time to Market” for the newly developed product optimised from **10 to 4 Weeks.**
    - Commissioned the Green field Project of **Precious Metal Catalyst** Production Unit adhering to the project timeline.
    - Transferred 23 Technologies in a span of 18 Months through **Product Quality Planning process (APQP & PPAP).**

**GREEN FIELD & BROWNFIELD PROJECT & COMMISSIONING**

* **Brownfield Project:** Part of Commissioning team of 400 TPD Air separation unit, 120 TPD Nitrogen liquefier, and bulk storage facility (2000 Metric Tonnes) of cryogenic liquids for Hospet steels located at Hospet for Praxair India Private Limited, Karnataka.
* **Greenfield project:** Lead the commissioning team of Catalyst Manufacturing unit. Accountable for Project Planning, Equipment Selection Process, Plant Layout Planning ,Process Safety Management , Start-up Safety Review (PSSR) & Commissioning plan.

**PROFESSIONAL HISTORY:**

SICGILSOL India Pvt. Ltd.

**Sr. Manager-Production & Projects (Head-Plant & Projects) July 2019 - Present**

Umicore Autocat India Pvt Ltd. Shirwal, Pune.

**Process Engineering Manager (HOD-Process Engineering) Jan’14 to July’19**

Linde India Ltd, Toranagallu, Bellary

**Senior Engineer-Operations Sep’11 to Jan’14**

Praxair India private Ltd, Hospet.

**Senior Engineer-Production Jul’06 to Sep’11**

**LANGUAGES KNOWN:**

English

Tamil

Kannada

Hindi

**PERSONAL INFOMRATION:**

Date of Birth : 07 Nov 1981

Marital Status : Married

Passport Details: Z3736728 (06/06/2026)

**WORKSHOPS & TRAININGS, INTERNATIONAL CONFERENCES**

* Training attended on “**The Real Problem-Solving experience**” by Chartwell Consulting – 2018 at London.
* Certified **Lean Six Sigma Black Belt** (CLSSBB) from KPMG.
* **Process Dev & Industrialisation** Workshop and represented India Operations from 2015 to 2018 at Germany.
* **APAC Operation Managers** Conference (APOM) - 2015 at Korea and China 2018 at Thailand.
* **Global FMEA Training** & Conference - 2017 & 2018 at Germany.
* Certified **HWP (Hazardous Work permit System) and LOTO.**
* Certified Internal auditor for ISO **9001, ISO 14001:2015, BS OHSAS 18001:2007,** **IATF 16949: 2016.**

**COMPUTER LITERACY:**

* MINITAB  **-** MS Office
* MS Visio **-**  SAP ERP
* AutoCAD