



AMOL RAJARAM PARATHE

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AN ACCOMPLISHED CHEMICAL ENGINEER, WITH CORE STRENGTHS IN:

PRODUCTION PLANNING & CONTROL / PRODUCT DEVELOPMENT / PROCESS ENGINEERING / PLANT OPERATIONS

Specialization in managing production operations of manufacturing of Petrochemicals, Specialty Chemicals, Paints & Pigments and Construction Chemicals

Targeting Senior level assignments in **Manufacturing, Production Planning & Control** with an organization of repute in **Chemical industry**, located preferably in **Maharashtra / Gujarat / Goa**

PROFILE SUMMARY

Performance driven operations professional with 20 years of prolific experience in:

- Production Management
- Process Engineering & Improvement
- Product Forecasting & Costing
- Team Management
- Site Management
- Value Addition
- Plant Set-up
- Continuous Improvement
- Project Commissioning
- Resource Optimization
- Engineering.
- Plant De-bottlenecking

Proficiency in performing chemical engineering work involving analysis, planning and control of the manufacturing process for the production of Chemicals, Paints & Pigments to consumer market. Proven abilities in managing technically advanced, cost-efficient and state of the art production systems; expertise in enhancing the process operations; thereby achieving the required quality level in the products. Skilled in coordinating plant operations, maximizing plant profits & minimizing expenses.

Proficient in developing & streamlining systems with proven ability to enhance operational effectiveness and meet goals within the cost, time & quality parameters. Strong exposure in developing a framework of quality standards, procedures & systems; provided support in problem & defect analysis in production quality related issues. Good analytical, troubleshooting and interpersonal skills with proven ability in process improvement and cost saving initiatives during the career span.

AREAS OF EXPERTISE

Plant Management

- Proficient in managing a medium and large-scale set up with Fully- Semi automated and Manual operated with Continuous or Batch operating units. Experienced in handling registered union manpower settlements with disciplined output.
- Overall co-ordination of the Plant operation with Head of depts, Focusing on Strategic Business Issues as the relates to Manufacturing i.e. Reliability, Productivity, Quality & Safety
- Drive down the cost through structured programs, plans and Projects to reduce losses, consumption of power, fuel, water & resources.
- Providing Leadership to the motivated and well-trained team members in the span of control and encourage them to develop learn and solve problem through a team approach.
- Developing and implementing the immediate, Intermediate, and long-term plans to make the organization growing and sustainable.
- Managing healthy relationships with critical stakeholders- Internal and external.
- Managing compliance to regulatory requirements, Statutory Norms, Licensing conditions and National and International standards.
- Managing Human resources for Highest degree of involvement, Participation, learning and adherence to standard operating procedures, through proactive on and off the job training, personality development, motivation, Manage and lead the management team in a way that they are provided with adequate resources to achieve defined and measurable performance parameters.
- Empowering operating personnel with appropriate levels of authority and develop second line for every critical position within organization. Ensuring continuous program for review of costs and inputs and lead and direct cost savings measures without affecting quality or safety
- Identifying the Capex need and executing to improve plant processes. Preparing and ensuring Budgeted spent for Production, Maint., Quality, ETP & Capex.
- Coordinating internal activities to ensure on-time & in full delivery performance to customers.

Production Operations

- Focusing on overall safety at the strategic level, Plan and introduce the systems, Procedures, processes, technology, audit and verification processes, training and organizational resources to ensure accident as well as disaster free record of the plant.
- Developing & implementing production plans as per sales and pending orders; ensuring timely accomplishment of production targets within the time & cost parameters

- Implementing cost saving measures to achieve substantial reduction in terms of man days, production cost, raw materials and energy consumption
- Managing quality of raw materials, work in progress & finished goods using latest quality concepts such as ISO-14000, OHSAS-18001, 5S, 7 QC Tools, SPC, Kaizen, Poke Yoke, **World Class Manufacturing**, JIT, etc.

Project Management & Process Enhancement

- Planning, scoping, tracking & implementing project plans within and deadlines; conducting feasibility studies to determine the financial viability of new ventures for accomplishments growth goals.
- Reviewing existing processes and re-designing the same to enhance operational efficacy
- Introducing process modifications to ensure production as per customer's specifications & quality attributes

• WORK EXPERIENCE

Since Dec'19 working with Petronas Lubricants India pvt. Limited, Mumbai as Sr. Leader Operations.

- Working with PLIPL, as a Sr. Leader Operations, Responsible for overall manufacturing operation and functional reporting to HQ (KL)Malaysia.
- Sustained plant performance with established HSSE std and IMS std, with Zero recordable incident in plant commissioning.
- Lead in plant commissioning for automated filling lines of 60 ML/ Annum capacity along with sustainable solutions for resource and energy conservations.
- Implemented WCM AM – step 3, along with 4 wall projects under BE for reduction of CPL and business growth.
- Responsible for Capex/Opex & periodic review with Finance to utilize the capex within limit and achieve the desired ROI in projects.
- Develop team to capture & analyze process issues & solve it by Problem solving technique.
- Successfully executed Dye based formulations & small pack SKU from TP outsource to inhouse manufacturing with operation excellence.

Since Dec'17- Dec'19 worked with Sudarshan Chemical Industries Limited, Roha as Manager Operations.

- Worked with SCIL, as a Manager Operations, Responsible for manufacturing process control of Pigment division by implementation of TPM & BE concepts.
- Led in LEAP 3 Project & achieve sustainable results in capacity increment by 28% with reduction in Process CT & Debottlenecking the bottleneck stages.
- Develop team to capture & analyze process issues & solve it by Problem solving technique.
- Completed Process optimization along with QC team to improve yield & throughput rate.
- Successfully transformed TDR with SFD with operation excellence benefited 73 lacs per Month.
- Converted manual packing auto packing facility with new technologies to reduce time cycle & manpower.
- Optimized ideal time between production to improve OEE from 72% to 89%

Sept'16 – Dec'17 worked with BASF India Limited, Thane, Navi Mumbai as Process Manager

- Worked with BASF India Ltd, as a Manager Process . Responsible for manufacturing process control of Polyurethane System house & Engineering plastic compound.
- Its semiautomatic plant with annual capacity of 5000 KT serving to domestic & international market.
- Patented technology of Polyurethane grades with automotive, footwear, appliance, consumer & construction segments.
- Also I was holding “Process Safety Code” Leader role in Responsible Care of Process Safety management.
- Successfully implemented Project of “Enhancing Blowing Agent performance with effective solubility at sustained curing temperature” This enables process to run smoother by reducing CT & Process DT.

Sept'09 – Sept'16 with Saint Gobain India pvt. Limited, Wada, Mumbai as Production Manager

Manufacturer of Gypsum Plaster Board & Gypsum Plaster

Projects Executed:

Title: Improvement of Efficiency of Oil Fired Burner by through effective control measures.

Scope:

- Improving the performance of Burner to reduce consumption of Oil and facilitate better transfer of heat, thereby avoiding production loss due to burner stoppage
- Undertaking study of Burner Flue Gas and controlling Air to Fuel Ratio and improving flame patterns

- Reducing usage of oil by 3 liters/ hr thereby saving Rs. 8.1 Lakhs per month through proper combustion of oil fired & heat loss of the system

Title: Improvement of Reliability & Output by DET (Daily Effectiveness Team) through Rotopacker (Packing Device)

Scope: Built a cross-functional team and improved reliability & output by 20% and reduce on hold material due to improper product changeover management.

Title: Reduction in Breakdown & Cost of Mixer by Rs. 95000/year through WCM Projects (Autonomous Maintenance)

Scope: Worked on Project MIXER involving:

- Development of cross-functional team & understanding the machine by generate OPL, focusing on safety
- Implementing Kaizen, handling initial cleaning, inspection, tagging & de-tagging of system to resolve unsafe conditions
- Developing countermeasures to eliminate sources of contamination & hard to access areas
- Reducing time taken to clean, inspect & lubricate equipment and implementing Quick Kaizen Approach

Significant Highlights:

- Successfully commissioned Saint- Gobain Plant at Oman within scheduled time in Feb'15
- Holds the distinction of managing production of 10 Lakhs sq. mtr. /month of Plaster Board Plant and 14000T/ month of different types Gypsum Plasters
- Instrumental in supporting operations of Water Treatment Plant, Utilities, Chilling Unit and Fuel Gas System
- Actively involved in conducting Equipment Hydro Test and Chemical Treatment of Heat Exchangers
- Functioned effectively as Leader of AM Pillar and Energy Pillar
- Played a key role in:
 - Escalating productivity of manpower by 21% through implementation of autonomous maintenance process, enhancing knowledge of plant operators about basic needs for smooth running of machinery without breakdown and by reducing maintenance lobar & time of batch cycle thereby escalating productivity of manpower
 - Reducing rejection rate from 4.3% to 2% by involving production staff in understanding quality issues using SPC tools thereby reducing time taken for plant start up and shutdown loss by a significant amount
 - Improving the quality of the products by 12 % against 9% previously through inspection & control of quality of raw materials; won rewarded from senior management for the same
- Instrumental role in taking several measures to identify deformities malfunctions or abnormalities in parts / components / products such as:
 - Weighing balance accuracy to get right quantity of additives as per recipe
 - Introducing Temperature Controllers to show right temperature
 - Reducing energy loss and improving quality of product
- Reduced downtime by 28% (reliability stoppages) through TAG Management and EWO Management
- Successfully executed plant expansion / modification / upgradation projects such as:
 - Heat Recovery Project (involving reuse of high potential Flue Gas in process to enhance energy efficiency)
 - Implementation of Reprocessing System for reprocessing of Reject Batch @ Mixing Plant thus reducing product cost
- Escalated Overall Operating Efficiency (OEE) by 18% (Mixing Plant Mixer & Calcinations Burners) through Focused Improvement & AM-PM Project on these machinery
- Recognized for improving plant reliability by 97% (Calcinations & Board Line) through effective maintenance; was appreciated for the same
- Pivotal in streamlining processes through measures such as SPC & WCM
- Steered implementation of PTW & Material Handling standards; won reward for achieving Safety Audit Score of 87% which was 65% previously

Nov'07 – Sep'09 with Cabot India Ltd., Navi Mumbai as Senior Engineer - Production

Manufacturer of diff. grades of Carbon Black through Thermal Cracking of CBFS Oil and Delta-V DCS Operating System

Significant Highlights:

- Managed end to end production of different grades of Carbon-Black such as HAF, IAF, SRF, FEF, GPF, etc. of capacity 12000MT/month with exposure to Acid Recovery Units, DM Water & Air Drying Unit and TFH Recovery Unit
- Carried out de-bottlenecking of plant thereby improving plant efficiency by 16%
- Rendered extensive support for smooth functioning of n process as per Plantnet Process Control System
- Updated PFDs & PIDs as per modifications and verified the same
- Instrumental in:
 - Reducing rejection rate from 3.7% to 1.3% through implementation of SOP for product changeover from GPF to FEF (this involved analysis of process change and delivery of product change in just 20 min thus saving 60 min. thereby reducing process time & production loss)
 - Improving the quality of the products by 92 % against 86% previously through Product Change Management
 - Identified deformities & malfunctions in parts / components / products such as malfunctioning of PLC logics & shutdown of plant; introduced new process interlocks with time delay in order to eliminate shutdown)

- Reduced downtime by 11% (Quench cooler) through measures such as abnormality register to identify small defect on time to reduced future breakdown

Apr'07 – Nov'07 with Sudershan Chemical Ltd., Mahad - Raigad, Maharashtra as Sr. Production Officer

YOKOGAWA DCS Operated Plant manufacturing different grades of Pigments, Specialty Pigments, & Agrochemicals

Significant Highlights:

- Handled production of Blue & Green Pigments through Chlorination, Sulfonation, Bromination, Pressure & Gravity Filtration, Spray & Tray Drying and Grinding & Packing
- Excellent track record of consistently achieving set production targets of Specialty Pigment on monthly basis
- Improved production efficiency and quality of the pigments by 96% as per ISO 9000 System through introduction of effective Hot Water Washing to filters & reuse of Filtrate for the process
- Identified non-conformities in products and implemented corrective actions for same

Oct'02 – Apr'07 with Vinyl Chemical India Ltd., Mahad- Raigad, Maharashtra as Sr. Process Supervisor

Plant producing 28,000 TPA Vinyl Acetate Monomer (through Gas Phase Reaction of Ethylene, Oxygen & Acetic Acid) and 300T/Month of Liquid Oxygen & Nitrogen; process operated through DCS supplied by FOXBORO USA PLC

Project Executed:

Title: Purge Gas Recovery Project

Role: Team Member

Scope: The project aimed at recovery of Ethylene Waste up to 3% from CO2 Removal System, involving:

- Detailed study of losses of Ethylene through CO2 Removal System
- Removal of Ethylene from Vent Gas Stream of CO2 Stripper through process modifications
- Engineering Calculation & Material Balance for Purge Gas Recovery
- Commissioning of Recovery System leading to 1% recovery of Ethylene and cost reduction of Rs. 6 Lakhs per annum

Significant Highlights:

- Carried out production of VAM in Continuous DCS (supplied by FOXBORO) Operated Petrochemical Plant, with accountability of Reaction, Distillation, O2-N2 Plant, Acid Recovery, Liquid Ethylene Unloading & VAM Loading, Cryogenic Storage, Acid & VAM Storage Control and Utilities operations
- Improved product yield and quality by keeping close track of process parameters on DCS
- Detected & resolved product abnormalities in coordination with Maintenance Dept.
- Executed Cost Reduction & Improvements projects such as Acid Recover, Purge Gas Recovery and Recycling of CO2

EDUCATIONAL BRIEF

2008	Diploma in Process Engineering from University of Mumbai
2002	Diploma in Chemical Engineering from Dr. Babasaheb Ambedkar University, Lonere, B.A.T.U.
2012.	Graduation in Chemical Engg. IICChE Kolkata.

PROFESSIONAL TRAININGS

- World Class Manufacturing for AM Practitioner; Certified AM Pillar Practitioner
- Energy Management Course
- Certified Integrated Management System, Presently MR for IMS.
- Certified trainer for Job specific Safety, Risk Assessment, HAZOP and PTW
- SAP PP Module
- Competency Development
- Leadership Management

TECHNICAL FORTE

- DCS Operating System of FOXBORO, PLC-SCADA, YOKOGAWA, DELTA-V, etc.
- Advanced User of Process ERP Systems like JD Edwards and SAP (PP Module)

PERSONAL DETAILS

Date of Birth:	17 th December 1983
Address:	402, Shubhransh Building, Rajunagar, Dombivli (W), Mumbai - 421202
Linguistic Abilities:	English, Hindi and Marathi
Passport Details	Passport no.K8956562
Mobility:	Anywhere in India