



Gaurav Yadav

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विद्यार्थिनियोगाधिकारः

Summary

Leading Net Zero and decarbonization strategy at IOCL Refineries HQ with 12+ years' experience in energy transition, petrochemical operations, and Refinery benchmarking. Skilled in low-carbon innovation, technical services, and process optimization.

Professional Experience

Senior Manager | Refinery Headquarters, IndianOil | New Delhi

Technical Services (Refineries)

- **Leading “Net Zero” team from Energy transition front** of IOC Refinery division, formed with an objective of identifying new technologies to reduce energy consumption and achieve Net Zero emissions by IOC Refineries by 2046.
- **Formulating Long term strategies and preparing roadmaps for IOCL Refineries.**
- **Economic Evaluation, Feasibility Analysis & Proposal Submission** for New Energy Conservation schemes/Projects to ensure lower energy consumption with consecutive year.
- Facilitating **Benchmarking Studies of all IOCL Refineries** & proposing improvement schemes to minimize the Operational & Commercial Gaps.
- Minimizing losses through Shut down planning and minimum downtime.
- **Providing Technical Support and solutions** for all the 9 Refineries of IOCL regarding optimization of Energy consumption.
- **Spearheaded Business Responsibility Reporting activities for the Refineries Division.**

Production Engineer| Panipat Naptha Cracker, IndianOil | Panipat, Haryana

Production/Operations (MEG unit)

- Expertise in both EO& EG panel operations of Mono-Ethylene Glycol (MEG) unit and also Field operation (Shift-in-charge)
- Played **Lead role in safely carrying out 2 Critical Shutdowns** for Catalyst changeover requiring extensive technical expertise and handling of nearly 300 Skilled and unskilled manpower
- Coordinating with Licensor on behalf of operations team regarding plant monitoring data and trouble shooting.
- Carried out several **Training programmes as Faculty** for Plant personnel (Skilled & Non-skilled), Fresh Engineers Related to Plant operations and Safety guidelines.
- Carried out Regular Mock drills with plant personnel (Skilled & Non-skilled) and provided proper training to enlighten them regarding plant safety.
- Expertise in plant monitoring, troubleshooting and quick responding during plant upset conditions

Process Engineer | S.K Engineering & Construction| Gurugram, Haryana

Process Engineer for Jurong Aromatic Complex (Greenfield project)

- Worked as an individual contributor in FEED of JAC project (Singapore)
- Involved in activities like P&ID preparation and reviewing process datasheets.
- Mentored new joiners in the team and successfully mapped them to functional areas based on their interest and growth prospects.

Education

Bachelor of Technology (Chemical Engineering) – University School of Chemical Technology, (G.G.S.I.P.U) | New Delhi

Accomplishments and Awards

- Youngest member of team of 4 that was Awarded “**Samuhik uplabdhi puraskar**”-awarded annually by Top management for devising a plan for reduction in utility consumption (DM water) of plant
- Proactively contributed to plant improvement through the ‘Suggestion Scheme’ by providing technical inputs that, upon implementation, significantly improved Waste Heat Boiler (WHB) reliability and optimized plant operations.

Co/Extra-curricular

- Bronze Medallist in 100m and 800m sprint events at inter-departmental athletics meet
- Successfully completed multiple 10K marathon runs, demonstrating endurance and commitment
- Cricket enthusiast; regularly participate in corporate and local cricket tournaments