



Chandan Kumar

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Summary

Experienced Operations & Production Engineer with 7+ years in oil & gas, delivering ₹1000+ Cr business impact through process optimization, crisis leadership, and innovation. Experienced in leading cross-functional teams, aligning plant operations with strategic goals, and driving SAP-enabled, data-driven decision-making.

Professional Experience

Executive Engineer (Production) | Oil and Natural Gas Corporation | Rajahmundry |

- Responsible for operations of a Group Gathering Station processing 200 m³/day of crude oil and ~50,000 m³/day of natural gas, generating revenue of ~₹540 crore/year.
- Led a 35-member cross-functional team, ensuring zero downtime and maintaining an impeccable safety record with zero accidents.
- Commissioned 5+ new equipment with a capital expenditure of ₹1.25 crore, minimizing plant downtime, avoiding losses of ~₹1 crore, and enhancing oil & gas handling capacity by 25%.
- Spearheaded design modifications for commissioning new compressor units, reducing 50,000 m³/day of flaring, monetizing gas, and increasing annual revenue by ₹175 crore.
- Supervised commissioning of an Effluent Treatment Plant with ₹1.97 crore CAPEX, increasing water handling capacity by 240%.
- Designed and implemented a project to process new feed, resulting in ₹50 crore in additional revenue per year.
- Developed a tool to analyse key oil well indicators, enabling better decision-making and preventing critical losses of ~₹66 crore.
- Handled a major gas pipeline leak near a populated area by leading an emergency team of 25, safeguarding lives and avoiding penalties.
- Redesigned a gas pipeline network, increasing oil production by 50% and boosting annual revenue by ₹250 crore.
- Led a team of 15+ to conduct critical well operations, consistently exceeding 100% of oil production targets.
- Designed and implemented backwash facilities for 6+ effluent disposal wells, reducing well intervention job frequency by over 60%, increasing disposal efficiency, and generating annual cost savings of ₹3+ crore.
- Led emergency response for 15+ oil and gas pipeline leaks, ensuring zero injuries, zero environmental violations, and 100% regulatory compliance, safeguarding operations and public safety.
- Designed SAP-based reporting frameworks for 6+ oil & gas installations, adopted by 30+ users across operations and management, enabling real-time visibility into production KPIs for strategic decision-making and resource planning.

Assistant Executive Engineer (Production) | Oil and Natural Gas Corporation | Rajahmundry |

- Monitored 100+ key plant parameters daily via SCADA systems across multiple units, diagnosing and resolving real-time issues to maintain >99% operational uptime and ensure product quality compliance.
- Prepared annual progress reports and documented key projects, presenting insights to senior management, showcasing strong stakeholder engagement and data-driven decision-making.
- Compiled and created a comprehensive handbook covering plant operations and 20+ well details, used by 50+ personnel across departments to streamline troubleshooting and standardize processes.
- Analyzed, developed, and implemented a procurement strategy for spares and capital equipment across 40+ production sites, aligning with operational and strategic goals.
- Managed end-to-end procurement and service contracts, including strategic planning, bid preparation, RFQ issuance, contract negotiation, order execution, invoicing, and post-contract issue resolution.
- Executed procurement and service contracts worth ₹70 crore, evaluating bids and managing key stakeholder engagement.
- Collaborated with key departments—Material Management, Quality Assurance, Production, Logistics, and Finance—to ensure efficient procurement and operational processes.
- Oversaw a ₹45 crore crude oil tanker contract across 40+ installations, managing the allocation-to-billing process, coordinating with vendors, and leveraging digital tracking to ensure on-time dispatches and zero disruptions.

Education

B.Tech (Chemical Engineering) – *Indian Institute of Technology, BHU Varanasi* | India

Accomplishments and Awards

- Awarded the prestigious ED Asset Manager Rajahmundry Award for successful monetization of a gas well and contribution to asset productivity
- Achieved the top PAR grade (A+) in 5 out of 7 financial years under ONGC's Performance Assessment Rating system

License & Certifications

- Lean Six Sigma Green Belt by KPMG

Co/Extra-curricular

- Won the "Special Mention" institute Award from IIT BHU Varanasi for contributions to football
- Secured 2nd place in the Manthan Case Study Competition at the IIT BHU Varanasi Tech Fest, competing against 52 teams
- Secured podium finishes in various inter-college football tournaments across India during college days
- Awarded the PM scholarship for higher education