



Pankaj Joshi

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Summary

Dynamic professional with extensive experience leading large-scale operations and high-value projects in the energy sector. Spearheaded digital transformation initiatives, leveraging project management and supply chain expertise to advance energy transition goals. Skilled at leading cross-functional teams and partnering with C-suite stakeholders to align strategic initiatives with organizational priorities. I bring a distinctive perspective on resilience, adaptability, and decisive problem-solving, refined through mountaineering, to address complex technical and operational challenges.

Professional Experience

Chief Chemist | Oil and Natural Gas Corporation (ONGC) Ltd. | Dehradun

- Supported the Chief of Institute-KDMIPE in strategic planning, institutional coordination, and cross-functional execution at the leadership level, serving as a key interface between internal teams and external stakeholders.
- Facilitated the execution and oversight of key institutional initiatives, including 84 R&D projects (~₹125 Cr budget) and research involving 250+ geoscientists.
- Actively involved in identifying new Oil & Gas exploration opportunities, advancing geoscience through technological upgrades, and leading decarbonization efforts to achieve ONGC's Net Zero target by 2038.
- Enabled the signing of a tripartite MoU to innovate and unlock 1500 MW of geothermal potential in a region of Telangana.
- Managed complete procurement operations through the Government e-Marketplace (GeM) platform, overseeing vendor registration, order execution, and payment reconciliation; prepared technical and financial proposals, collaborated with cross-functional teams, and negotiated contracts to drive cost optimization and ensure compliance with public procurement norms.
- Led a team of Geochemists to explore hydrocarbon potential of ~685 MMTOE, designed and executed a data-driven project that added a strategic asset to the company.

Superintending Chemist | Oil and Natural Gas Corporation (ONGC) Ltd. | Mumbai

- Experienced in SAP S/4HANA Materials Management (MM) module, with proficiency in master data management, purchase requisition and order processing, goods receipt, inventory management, and invoice verification; leveraged ERP automation to improve procurement accuracy and visibility.
- Designed and implemented advanced oil-field chemicals, achieving 20% reduction in costs (~₹30L/year) and 42% improvement in performance.
- Led strategic sourcing and vendor management initiatives by identifying, assessing, and onboarding suppliers based on cost, quality, capability, and delivery performance; achieved process standardization, reduced procurement cycle time, and enhanced supply chain reliability.
- Managed all facets of production chemistry, including conducting trials and studies of oil-field chemicals, managing chemical inventories, and ensuring the achievement of key performance indicators (KPIs).

Senior Chemist | Oil and Natural Gas Corporation (ONGC) Ltd. | Mumbai

- Executed a project of \$1.5 million for the installation, performance testing, and quality control of a Produced Water Conditioning (PWC) unit in Offshore Oil field with a capacity of 150,000 barrels per day.
- Commissioned the FPSO unit at Cluster-7 oil field in Mumbai Offshore, which increased crude oil production by 20,000 barrels per day (Revenue ~\$ 1.1 million/day) and natural gas production by 1.8 million cubic meters per day (Revenue ~\$ 0.19 million/day).
- Participated in safety audits, formulated safety protocols, and implemented QHSE policies for responsible waste management.

Chemist | Oil and Natural Gas Corporation (ONGC) Ltd. | Mumbai

- Led the commissioning of an Aviation Turbine Fuel (ATF) refuelling unit with a capacity of 9000 litres/day for helicopter operations, ensuring uninterrupted offshore logistics and sustaining crude oil production of ~35,000 barrels per day (Revenue~\$3.15 million/day).
- Implemented and managed robust QC/QA programs, ensuring integrity and compliance through systematic sampling and analysis of crude oil, natural gas, water injection systems, wastewater, glycols, and lube oils.

Education

B.Tech (Chemical Engineering) – *Guru Gobind Singh Indraprastha University, Delhi | India*

Accomplishments and Awards

- Successfully summited Mt. Kanchenjunga (8,586 m), the world's third-highest peak, in May 2018—becoming one of the first amateur employee mountaineers from a corporate team to achieve this rare and demanding feat.

License & Certifications

- Lean Six Sigma – Green Belt, KPMG
- Project Management Challenges in Offshore, ONGC Academy, Dehradun
- Project Management Framework, ONGC Academy, Dehradun
- Basic & Advanced Mountaineering Course, ABVIMAS, Manali, India

Co/Extra-curricular

- Organised and led the successful execution of ONGC KDMIPE's 63rd Foundation Day in 2024, overseeing end-to-end planning, stakeholder coordination, and high-impact engagement.
- Successfully scaled multiple 6,000 m and 7,000 m peak expeditions in the Himalayas, demonstrating endurance, resilience, and teamwork.