



Pankaj Joshi

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Summary

Strategic and results-driven energy professional with 14+ years of experience in Oil & Gas operations, R&D, strategic project execution, cross-functional leadership, and energy transition. Demonstrated excellence in project delivery, stakeholder engagement, and operations optimisation. From offshore projects to scaling Mt. Kanchenjunga, consistently proved resilience, adaptability, decision-making skills, and commitment to excellence.

Professional Experience

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

- Supported Executive Assistant to the Head of Institute (Executive Director-HoI), KDMIPE, in executive support, strategic coordination, and cross-functional collaboration 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.
- Led strategic initiatives to identify new oil & gas exploration zones, enhance upstream operations and resource planning, and drive decarbonization efforts toward 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.
- Led a team of Geochemists to explore hydrocarbon potential (~685 MMTOE) in the Vindhyan Basin, India, by designing and executing a data-driven project to optimise strategies and mitigate risks.

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

- Designed and implemented advanced oil-field chemicals, achieving 20% reduction in costs (~₹30L/year) and 42% improvement in performance.
- 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).
- Participated in safety audits, formulated safety protocols, and implemented QHSE policies for responsible waste management.

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

- Managed a \$1.5 million project for the installation, performance testing, and quality control of a Produced Water Conditioning (PWC) unit with a capacity of 150,000 barrels per day in offshore oil field.
- 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).

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

- Summited Mt. Kanchenjunga (8,586 m): As part of ONGC's unique HR initiative, successfully scaled Mt. Kanchenjunga—the world's 3rd highest peak—in May 2018, becoming one of the first amateur employee mountaineers from a corporate team to accomplish this rare and challenging 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

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