



Siddharth Pamnoor

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Summary

Results-driven leader with experience in managing critical Installations and \$27M+ capital projects. Experienced in full-cycle asset management, stakeholder management, structured problem-solving, and cross-functional teams leadership. Delivered \$11M+ in impact through production optimization and high-stakes crisis response in Oil and Gas operations.

Professional Experience

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

Sep 2018 - Apr 2026

Production In-Charge,

Desalter Plant [Sep 2018 – Apr 2025] | Ahmedabad GGS [May 2025 – Apr 2026]

- Directed a cross-functional team across mechanical, electrical, and instrumentation to hold 100% machinery availability, meeting every delivery obligation under the crude oil sales agreement (M/s IOCL) with **zero contractual penalties**.
- Spearheaded production strategy across a **~250-well portfolio at at the one of region's highest-yielding production facility**, optimizing resource allocation and competing operational priorities to maximize asset utilization and output.
- Led a high-stakes, 60-hour integration** window for a new 30,000 m³ floating roof tank; seamlessly managed volatile supply chains and operational inventory with **zero process upsets**.
- Led on site execution of \$18.2M Fire Fighting System infrastructure overhaul**, replacing critical Remote Operated Shut-off Valves (ROSoVs) across 6 tanks and building a new 8,400 m³ emergency system with zero impact on daily operations.
- Commanded real-time parameter optimization protocols in the control room, consistently **reducing crude oil impurities by 99%** to fulfil a multi-million-dollar supply contract with IOCL Vadodara Refinery, **achieving zero offset**.
- Selected as a member of a cross-functional team to author **Ahmedabad Asset's three-year strategic plan (2025–28)**.
- End to End executed the **~\$4.6M** replacement of a primary Fire Heater, meticulously managing inventory and scheduling to mitigate a 33% capacity constraint; **achieved zero process downtime and fulfilled 100% of supply commitments**.
- Led a 100-member team** to repair a critical pipeline failure within 60 hours, averting a complete production halt across North Gujarat and safeguarding asset **output valued at \$6M USD**.
- Recovered **~\$5 M** of stranded weathered crude through a self-initiated processing and monetization plan, restoring 30,000 m³ of tank capacity to active service.
- Commanded emergency cross-functional operations** during a catastrophic server and PLC automation crash that completely halted processing; successfully sustained continuous downstream delivery via tactical inventory shifting and restored the complex system in **under 55 hours**.
- Managed the delivery of a **\$2.6M** Oily Water Sewerage system redevelopment and a **\$0.8M**, 45,000 sqm PCC Dyke safety installation, ensuring stringent environmental and regulatory compliance across the asset.
- End-to-end management** of the core Booster Compressor Plant, orchestrating the processing and high-pressure injection of gas to the regional fields to maximize secondary recovery efficiency.
- Managed **complex resource allocation and logistical scheduling** for the Ahmedabad sub asset (1 out of 4), balancing mobile production units (MPUs) and high-pressure steam requirements across competing operational sites.
- Achieved **100% operational compliance** with stringent environmental, safety, and water resource regulations by managing high-stakes relationships with federal and state regulatory bodies.
- Executed procurement and tendering initiatives (via GeM portal), successfully initiating and executing maintenance contracts for underperforming desalter vessels and critical auxiliary system to boost asset efficiency.
- Led onsite execution of high value plant modernization contracts, including the capacity upgradation of plant pumping and water injection systems to sustain long-term reservoir pressure and production throughput.

Officer (Process) | Gujarat State Petroleum Corporation | Kakinada

Oct 2015 – Sep 2018

- Commanded Shift Operations for a **strategically critical 200 MMSCFD onshore gas terminal (KG Asset)**; achieved **zero production losses** and a flawless safety record across complex gas processing facilities.
- Accountable for uninterrupted delivery of sale gas and stabilized condensate into national pipeline infrastructure, where any off-spec output triggers downstream rejection; held **100% on-spec delivery**.
- Led rapid-response troubleshooting during high-stakes process disruptions; deployed root-cause diagnostics to mitigate operational bottlenecks and restore steady-state production, minimizing costly downtime.

Education

B.Tech (Petroleum Engineering) – Pandit Deendayal Petroleum University, Gandhinagar | India

2011-2015

Accomplishments and Awards

- Rated **highest performance appraisal score** within peer grade, Ahmedabad Asset (2024–25).
- Nominated for ONGC's Asset Monetization Award (2025) and Operational Excellence Award (2024), the company's two principal recognitions for commercial and operational impact.
- AI integration initiative selected among the top category ideas for implementation in ONGC’s internal AI contest, UBHAV (2025).
- **Published and internationally presented research on enhanced oil recovery** (Australian Journal of Engineering Research, 2014); awards include 3rd Best Paper at the International Conference on Petroleum Science & Technology, IIT Madras, and 1st place in the paper contest at UPES Tech Fest.

License & Certifications

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| ● Lean Six Sigma Certification | 2026 |
| ● Project Management Essentials” by IIM-MUMBAI. | 2025 |

Co/Extra-curricular

- Authored “Echoes of the Felt | Fragments of Time, Memory, and the Infinite Unknown”, a collection of poems published by Libresco Feeds Pvt Ltd.
- Cleared Elementary education in classical music. Play Piano and Guitar at foundational proficiency.