



Ritam Bhattacharjee

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Summary

Transformation-driven leader with 5.5+ years in a fortune 500 oil & gas major, commanding mission-critical operations and breakthrough initiatives across the main despatch and largest receiving stations of the Mundra–Delhi Pipeline, spanning energy transition, integrity, safety, electrical & telecom maintenance. Skilled at driving cross-functional teams, stakeholder liaison and crisis management, and aligning frontline operations with strategic goals to deliver sustainable, resilient outcomes.

Professional Experience

Senior Officer – Operations & Pipeline Integrity| Hindustan Petroleum Corporation Limited| Vadodara Pipeline Receiving Station, Vadodara, Gujarat Apr'25-Mar'26

- Directed end-to-end operations MDPL's largest receiving station (20% of network volume, ₹6,680 Cr throughput), achieving zero delays in product receipt and SAP booking while surpassing targets across products, earning an 'Exceptional' rating
- Recovered ₹502 Cr of off-spec product (55,000+ KL) with zero loss by devising a QC-approved blending protocol to restore it to saleable specifications; codified the method into a best-practices SOP issued to all shift teams
- Led a 55+ member contract workforce across 5 sites (main + 4 remote stations), owning work allocation, plant logistics, and payroll; cut per-trip vehicle costs by 25% and manpower costs by 4% at contract renewal (eliminated 2 redundant positions)
- Spearheaded the station's net-zero agenda: executed the E20 petrol transition by overhauling the operating philosophy and SAP booking protocols, and enabled a 1.2 MW solar project by securing the PESO license amendment and wheeling agreement
- Safeguarded 235 km of pipeline right-of-way by completing mandated 5-year coating integrity and AC/DC interference surveys; rectified all 7 identified defects in-house with 100% re-verification, achieving zero observations in major audits
- Digitized station operations: unified 3 systems into one product-accounting check sheet for accurate, audit-ready bookings; automated energy (SEC) tracking in head office reports; deployed WhatsApp-based vehicle reporting, cutting excess mileage
- Trained 55+ workmen and 5 officers on receipt operations, plant safety, E20 product handling, and cathodic-protection systems, achieving zero deviations in technical and HR audits and full regulatory compliance

Senior Officer – HSE & Telecom Maintenance| Hindustan Petroleum Corporation Limited| Vadodara Pipeline Receiving Station, Vadodara, Gujarat Apr'23-Mar'25

- Operational Excellence: Set the station's single-day product receipt record of 21,164 KL by re-engineering the filtration bottleneck; switching filter mesh from 40 to 20 microns, raising flow rates by 73% (550 KL/hr to 950 KL/hr)
- Delivered ₹1+ Cr in savings and asset recovery: slashed electricity costs by ₹69 lakh by lowering backpressure from 8 to 2 kg/cm² (GM-certified OPEX program); restored the failed telecom network in 1 month at ₹1 lakh vs ₹20 lakh budgeted (95% under); redeployed ₹18.5 lakh of surplus pipe to another HPCL site
- Extended the net-zero agenda network-wide: prepared a ₹1.57 Cr tender for retrofit emission-control devices on DG sets across the entire MDPL pipeline per CPCB norms; drove green-belt development, planting 555 trees and renewed the PCB license
- Digitized pipeline corrosion monitoring by embedding TRU (cathodic-protection) data into station SCADA; installed telecom amplifiers (worth 15.16 Lakhs), achieving 100% reliability in leak-detection communications
- Transformed the location's safety culture with a 99.5% HSE index, 13 mock drills (2 with district authorities) and NIL accidents; Steered the statutory T4S PNGRB and ISO 9001/14001/45001 surveillance audits with NIL major observations
- Standardized procurement by authoring a safety & security services purchase requisition (PR) adopted as the template across all Gujarat locations; consolidated common PRs worth ₹1.94 Cr for Optical fibre rectification and cylinder hydrotesting
- Commanded emergency response under the industrial mutual-aid pact: deployed VRS foam tender and ERV to contain a fire at a neighbouring plant 2 km from the station and won commendation for mutual-aid readiness
- Delivered 435 hours of internal safety, behavioural and technical training; anchored VRS's contribution to MDPL's 100% online SAP work order system, personally confirming 1,729 of 2,402 orders (72%), work recognised in ED-Pipelines' commendation to Team MDPL

Operations Officer – Electrical Maintenance and Net-Zero Projects| Hindustan Petroleum Corporation Limited| Mundra Pipeline Despatch & Pumping Station, Mundra, Gujarat Sep'20-Mar'23

- Steered control-room operations of a high-throughput despatch station, enabling MDPL's highest-ever single-day pumping of 28,880 KL at 1,204 KL/hr while sustaining zero breakdown-led throughput loss across the 2.5-year tenure
- Delivered ₹41 lakh (4.3%) in annual electricity savings on a ₹9.47 Cr power bill through tariff-window pumping and rebate capture, including a PLC demand-capping alarm that saved ₹1.5 lakh/month
- Commissioned a 130-kW solar plant (₹65.87 lakh) end-to-end from panel erection to commissioning and net-metering, adding ₹11.86 lakh/yr in generation and further boosted its yields by 16% via an engineered cleaning-water line
- Conceptualized a 1 MW hybrid wind-solar PPA under Gujarat's 2018 policy with projected savings of up to ₹50 lakh/yr, executing the pre-feasibility study in-house (₹2.7 lakh saved) and advancing the proposal to GM (Renewables)

- Won project approval of ₹2.75 Cr for MV-VFD replacement along with 7 other capital proposals; executed the ₹15.8 lakh Rotork MCS project from panel fabrication to capitalization and also resolved critical maintenance issues in-house saving ₹6.6 Lakh
- Cleared legacy utility disputes: recovered ₹15.3 lakh from GETCO outstanding since 2014 and reconciled ₹1.18 lakh of DISCOM TDS; earned a rare 4-year CEA approval (double the standard term) on a zero-points inspection
- Modelled all MDPL pumping configurations in Pipeline Studio, upgraded MDPL's daily operations report (DOR) automation code and consolidated 15–20 physical electrical-reading books into a single daily-updated online energy sheet

Education

B. Tech (Electrical Engineering) – National Institute of Technology, Silchar, Assam

Accomplishments and Awards

- Won Case Competition during IIMA PGPX 2026 batch induction i.e. Manthan
- Secured NSCI 'Sarva Shrestha Suraksha Puraskar' Golden Trophy (2023), British Safety Council International Safety Award (2023,2024 and 2025) award and CII GreenCo Gold certification as part of MDPL's safety officer team
- Authored renewable-PPA research selected for the India Pipeline Meet 2026 and another abstract for tariff based pumping optimisation reserved for Indian Energy Week 2026
- Promoted a full cycle early from E02 to E03 in 43 months against HPCL's standard 48–60-month cycle
- Commended in HPCL's annual performance review for "grit and commitment during difficult times" after single-handedly running control-room duty through the 72-hour Vadodara flood (2024)

License & Certifications

- AI in Business: Fundamentals to Applications (with Distinction), Indian School of Business (ISB)
- Industrial Safety Officer – Oil & Gas, National Safety Council of India
- Cathodic Protection & AC/DC Interference Mitigation, NACE International / AMPP
- Integrated Management & Energy Management System Auditor (ISO 9001/14001/45001/50001), BSCIC & Bureau Veritas
- Operations & Supply Chain Management Certification, HPCL
- Advanced Excel (Macquarie) & Pre-MBA Statistics (IIMA)
- Technical Certifications - PLC/Automation, Solar PPA & Grey Wolf Optimization, Udemy
- Telecommunication Systems (SDH / EPABX / CCTV / PAGA), Commtel Networks

Co/Extra-curricular

- Drove HPCL CSR along the pipeline corridor, Swachh Bharat drives at schools and health centres, plus a health-and-nutrition proposal spanning 5 government schools
- Represented at State Level in U-17 Chess after securing 4th rank in district championships
- Completed the 21-km Vadodara half-marathon (2026) and a 10-km run (2024)
- Acted as Executive Member of NIT Silchar's Electrical Engineering Society
- Secured 20+ certificates across robotics, ethical hacking, art, communication and sports contests during school and college years
- Ranked among top performers nationally across 21 academic olympiads i.e. NSO, IMO, NCO/UCO and Edu Heal