



# Shubham Agarwal

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## Summary

Results driven project management professional with over 10 years of experience leading large-scale, high impact and complex projects within the oil & gas sector. Proven success in driving operational improvements and cost-effective solutions through innovation, sustainability and data driven decision making. Expertise in leading cross-functional teams, managing stakeholder relationships, and spearheading the successful delivery of projects from initiation till closure.

## Professional Experience

### Manager, Engineering and Projects | Bharat Petroleum Corp Ltd | Jammu

- Spearheaded the construction of BPCL's largest greenfield project (Project Cost – ₹676 Cr) in the Northern Region, a state-of-the-art Oil Terminal at Jammu. It is a common facility for the three Oil PSU's having a storage capacity of 1.1 lakh KL enhancing existing capacity by 50%.
- Developed comprehensive tenders in accordance with General Conditions of Contract for over 10 contracts with a cumulative value of approx. ₹300 Cr+ for the project. Tenders finalized within the estimated time by timely resolving technical queries, approving technical documents, designs, and drawings.
- Developed and managed comprehensive project documentation, including agreements and purchase orders, ensuring clarity and enforceability across all contracts.
- Achieved NIL adverse points across various audits pertaining to Finance, Vigilance, Quality and Safety.
- Successfully completed the land development work for the terminal which was situated in hilly terrain consisting of ridges and valleys with elevation difference of approximately 60 mtr between the highest and the lowest point. The job included cutting/filling to the tune of 20 lakh cubic meters, which is the highest ever for any facility set up by BPCL. Work was completed with immaculate planning and stringent quality controls.
- Successfully led the job of railway siding through efficient stakeholder coordination and cross-functional collaboration. Job included construction of 5 km railway track, 3 nos. major bridges (span of 9.15 mtr and 18.3 mtr), 6 nos. minor bridges (arch bridge), 2 no's limited height subway. All the jobs carried out adjacent to operational Jammu-Katra railway track in Railway land.
- Adopted innovative ideas and conducted terrain segmentation to develop a cost-benefit model using construction cost and terrain gradient, to select optimal boundary wall type resulting in a saving of approx. ₹8 Cr. Ten different types of boundary wall constructed for the terminal.
- Successfully implemented a first of its kind sustainable method of slope protection at the site using composite soil erosion mattress resulting in a saving of approx. ₹1.58 Cr as compared to traditional methods. The method contributed in developing green area around the terminal covering approx. 20% area.
- Secured regulatory approvals and obtained clearances for the establishment of greenfield project site from PESO, DM, SPCB, Factories, Railways, PWD, Central Labor commissioner, within record time and without the assistance of any external consultant.
- Utilized surplus material lying at different sites in Northern region to the tune of ₹2.1 Cr using inventory analysis.
- Handled procurements of material and services in Government e-Market Place (GeM), for value of over ₹2 Cr achieving an average saving of 15%.
- Achieved ₹250 Cr annual capex 2024-25 using Excel-based dashboards and KPI tracking to ensure financial and timeline compliance
- Spearheaded the innovative LSTK (Lump Sum Turn Key) tendering model for tankage work at army base in Mudh, Ladakh, implemented for the first time in Northern Region, resulting in approximate saving of 10% from conventional BOQ based tendering.

### Additional voluntary assignments undertaken during the tenure-

- Assisted the project team at BPCL Kanpur tankage augmentation project site for a brief period of 1 month for preparation of OISD audit and commissioning.
- Kickstarted the project for laying 4.4 Km new HSD pipeline from VPT Jetty to BPCL Vizag Oil Installation including liasoning with various departments and govt agencies for NOC's since the pipeline had to be laid through public areas.
- Assisted Mughalsarai project team for a period of 1.5 months in planning and kickstarting the project for laying of new product lines (approx. 1.5 Km) from railway siding to terminal.
- Successfully led the statutory audits for commissioning of Leh oil depot having storage capacity of 920 KL and powered completely on solar power (100KWp)

## **Asst Manager, Engineering and Projects | Bharat Petroleum Corp Ltd | Deoria**

- Spearheaded the completion of green field project -LPG Bottling Plant at Baitalpur, Deoria UP (Project Cost ₹55 Crores), resulting in a filling capacity of 1,570 cylinders per hour and 42 lakh cylinders per year.
- The LPG Plant helped the corporation to feed the markets of UP East and western Bihar for quicker implementation of “PM Ujjwala Yojna”, reducing the operation time of nearby plants in Allahabad and Lucknow by 33%.
- Led a team of 10 major contractors (Job value > 0.7 Cr each) throughout the project.
- Motivated and developed more than 5 local supervisors working under a vendor to take up entrepreneurship and start their own firms, ultimately leading to a work execution of approx. ₹3 Cr by these newly developed vendors.
- Secured regulatory approvals and clearances for commissioning of plant from central ministries and state agencies within stipulated timeline.
- Project completed with NIL LTA adhering to BPCL’s policy of “Safety First Safety Must”.
- Spearheaded the transition into GST regime, for all the contracts, facilitating the revisions and tax compliances, leading to complete transformation of contracts within a period of 15 days.
- Successfully led the state-of-the-art terminal automation system project at existing BPCL Oil depot at Baitalpur. (Project cost- ₹15 Crores) with real-time inventory, operational analytics; streamlined loading/unloading including access control with enhanced safety controls.
- Spearheaded the pumping augmentation work at the depot (Project cost- ₹5 Crores), which included replacement of 25 nos. pumps without disrupting the existing operations. Project completed with immaculate planning of resources and shutdown in record time of 3 months.
- Steered more than 20 shutdowns for mechanical and electrical jobs in high-risk operating conditions, completing all within the stipulated time frame, while maintaining routine operations and achieving zero accidents.
- Successfully led the construction of 800 mts boundary wall in siding area of depot mitigating the impact of COVID-19 which hit the project during its peak execution.
- Adopted innovative techniques to mitigate the impact of high water table during monsoons by casting precast footings and columns saving 1 month time.
- Commissioned a new fire water storage facility (1400 KL capacity) at Gonda Depot.
- Conducted the initiation work for construction of green field Aviation Fuelling station (AFS) at Kushinagar Airport

## **Executive Engineer | Bharat Petroleum Corp Ltd | Lucknow**

- Successfully led and delivered a greenfield project for construction of Aviation Fuelling station at Lucknow Airport (Project cost- Rs.6 Crores) in span of 2.5 months.
- Project involved immaculate planning and coordination with AAI/CISF in addition to engineering activities related to civil, electrical and mechanical. Installed and commissioned bunded ATF tank of 30 KL capacity.
- Project marked the commencement of ATF operations for BPCL at the airport and helped corporation in capturing 30% of the business at Lucknow Airport.
- Spearheaded the project for construction of 600 MT Mounded storage vessel at BPCL Lucknow LPG plant at a project cost of Rs.15 Crores. This was the first MSV to be constructed at this plant and increased the storage capacity of plant by 100%.

## **Graduate Engineering Trainee | Indraprastha Gas Ltd | New Delhi**

- Shift in charge leading operation and maintenance of more than 50 CNG stations in Dwarka Area.
- Reduced downtime of equipments with proper and timely resource allocation.

## **Education**

**B.Tech – National Institute of Technology, Allahabad | India**

## **Accomplishments**

- Certificate of Recognition for Outstanding achievements and dedication awarded by BPCL in 2025.
- Won the award for best site team overall and in Health Safety and Security initiatives during E&P Meet in 2024.
- Runner up in best innovation at site during E&P meet in 2024.
- Received Best site manager award in FY 2022-23 and 2023-24
- Passed National Safety Aptitude Test (NSAT) conducted by National Security Council, India with a score of 68.33%.
- Excelled in the Project Management Professional (PMP) certification by achieving "Above Target" scores in all three domains— People, Process, and Business Environment—demonstrating exceptional proficiency in project management principles
- Winner of Scrapheap (Mechrocasm)- Technical Competition organized by NIT Allahabad - College Level

## Certifications

PMP Certification, PMI

Lean Six Sigma Green Belt, KPMG

Professional Certificate course in Data Science, E & ICT Academy, IIT Kanpur

Pre MBA Statistics, Coursera

Excel skills for Business, Advanced, Coursera

Pre MBA Accounting

## Extra-Curriculars

- Approx 5000 saplings posted across various place of postings
- Organized various health checkup camps, environment awareness drives. Over 4000 individuals impacted.
- Anchored many cleanliness drives in and around depots and installations and also prominent places of the city.
- Played an active role in using CSR funds to distribute Hygiene Kits to workers at project sites and local villagers.
- Involved school children in Mission Life activities.
- Regularly organized yoga camps, first aid trainings in collaboration with respective hospitals and agencies for project sites and villagers, along with vaccination drives for COVID-19 at Jammu
- Hosted the Northern region E&P meet held at Jammu in May 2024.
- Led end to end planning and execution of more than 30 site visits for senior officials and dignitaries as part of large scale event management initiative.
- Published engineering leadership insights on Land Development in internal journal 'Srijan'
- Won second prize in quiz during Hindi Karyashala organized by HPCL at Jammu.