

RAVI K

SUMMARY

A passionate Mechanical engineer and Project Manager with 36 years of experience in the Petrochemical and Oil & Gas Industry with business knowledge and management experience to positively impact team operations. Well-versed with the Maintenance of all types of Mechanical equipment, proficiency in the end – end TA cycle including Scope finalization, Material and Service procurement preparedness, Schedule finalization, Shutdown execution and post TA closure. Having expertise in design of Mechanical equipment, selection process of Licensor, PMC, EPCM, EPC contractors. Implemented Reliability initiatives like Vibration Analysis, RCM, PdM., ERP-SAP at existing plants and Major Projects. Possessing Degree in Mechanical Engineering, PGDBA from SP Jain, Diploma in Project Management from I2P2M . George Washington University. Associate with Oil Industry Safety Directorate in setting up equipments standards. Excels at managing team and personal time to consistently exceed expectations. Continues learner and open to innovative techniques.



CONTACT

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ROLES AND RESPONSIBILITIES

Chief General Manager - Refinery Project Org., 04/2023 – 04/2024
Bharat Petroleum Corporation Ltd - Mumbai

- Conceptualization to commissioning of Petrochemical, Refineries and Infrastructure projects.
- Identification of innovative initiatives to optimize the Cost, Time, Scope and Quality of Projects like Owner's Technical Consultant, Owner's Management Consultant, Digitalization.
- Identification of Projects in line with strategic plans of the organization, product and market dynamics. Contract management and close coordination with other SBUs,
- Coordination with various Licensors, Project Management Consultants and EPC / EPCM vendors.
- Active participation in long term Corporate Business plan finalization and Regular reviews of the Project.

Project Manager Role at BPCL – Kochi Refinery, India. 04/2018 – 04/2023

- Construction Manager for India's first Niche Petrochemical Complex, Propylene Derivative Petrochemical Project (PDPP) of Capex INR 60 Billion – Units ; Acrylic Acid, Oxo Alcohol & Acrylate Unit.
- Commissioning of All Units, offsite facilities and Utilities during the most uncertain period of Pandemic by involving the Foreign OEMs and Licensors.
- Project Manager of India's first Super Absorbent Polymer (SAP) of 150 TPA unit at Kochi Refinery.
- Project Monitoring of all projects, Contract closure of Integrated Refinery Expansion Project, Boundary Management.

SKILLS

- Extensive Turnaround Leadership.
- TA Governance and Cost, Schedule & Contractor Management
- Project Management
- Adapt and cultivates Innovation, new technology and Digitalization.
- Creating climate to motivate people to do their best.
- Taking on new opportunities and tough challenges with high energy.
- Stakeholder influencing to achieve the project goal

STRATEGIC INITIATIVES AT BPCL

- TA Optimisation & Digitalisation
- Reliability Excellence - PdM, online condition monitoring, and ODR .
- Asset Management Digital Lead: SAP-PM, RCM, RBI.
- Capital Program Leadership: Directed ₹70 bn+ projects (PDPP, SAP, REJP, 400 KTPA PP).
- Industry Thought Leadership: Represented organisation at OISD, CHT, Shell Global, and BIS forums.

- Project Manager of cross country & Jetty undersea pipeline project (REJP) from Refinery to Port jetty including loading arm.

Dy General Manager / Chief. Manager - Projects , 04/2012 - 04/2018

BHARAT PETROLEUM CORPORATION LTD. - Kochi refinery, Kochi , India

- Head Construction - Rotary Equipment :- Conceptualization to Commissioning of Integrated Refinery Expansion Projects (IREP) of Capex INR 160. Billion - 10 MMTPA Crude unit, PFCCU, DCU, DHDS, VGO- HDS, SRU, Utility, offsite, etc.
- Responsible for preparing Rotary & Static Equipment Engineering Design Basis, Equipment selection, finalization of specification, inspection, Testing. Erection, commissioning and site performance test run of Critical equipments.
- Single point Technical coordinator with PMC - EIL, various EPCM Contractors, OEMs.
- Implemented innovative Reliability programs like Online vibration monitoring. Mechanical seal monitoring system, Operator Driven Reliability (ODR) during Project stage.
- Appraise all stakeholders on project status, financial updates and Risk mitigation.
- Conduct negotiation with vendors to provide cost-friendly contracts.
- Mitigate financial discrepancies by monitoring key indicators to implement corrective action.

Maintenance, Reliability and ERP Manager , 06/1989 - 07/2012

BHARAT PETROLEUM CORPORATION LTD. - Kochi Refinery, Kochi

- **Turnaround & Mechanical Maintenance Leadership:** 20+ years of experience leading mechanical maintenance and large, multi-unit refinery and petrochemical turnarounds with end-to-end accountability across core units and offsites.
- **TA Governance & Risk Management:** Strong expertise in TA scope development and freeze, change management, critical path control, stage-gate governance, and effective & safe execution.
- **Reliability & Asset Integrity:** Led reliability initiatives including RCM, PdM, online condition monitoring and ODR to improve equipment availability, MTBF, and asset lifecycle performance.
- **Cost, Schedule & Contractor Management:** Proven capability in budget control, schedule optimisation, and effective management of LSTK and multi-contractor interfaces during TA execution.
- **HSSE & Execution Excellence:** Demonstrated leadership in HSSE, PTW discipline, quality assurance, and statutory compliance during high-risk TA activities.
- **Mechanical Engineering Expertise:** Hands-on experience with pumps, compressors, turbines, furnaces, heat exchangers, pressure vessels, columns, piping, and static equipment in sour and high-temperature services.
- **Digital TA & CMMS Enablement:** Proficient in digital TA tools, SAP-PM consultant / CMMS, maintenance analytics, and equipment history management to drive data-driven outcomes.
- **Stakeholder & Team Leadership:** Strong interface management with Operations, Inspection, Projects, Planning, licensors, and contractors to ensure safe, reliable, and cost-effectiveness.
- Inspecting all the equipment, Piping, and the systems for the integrity and operability and giving clearance for starting the unit.
- Project Manager for implementation of PdM, RCM, ERP - SAP PM Module at Kochi Refinery / BPCL & Kochi Refinery merger and NRL.
- Team Leadership & Capability Building: Coached, mentored, and

developed high-performing maintenance teams to consistently achieve safety, reliability, and performance objectives.

- **Systems & Cost Optimisation:** Implemented a Document Management System and reliability improvement processes to reduce maintenance costs, minimise unplanned downtime, and improve asset performance.

EDUCATION

International Executive Diploma in , Project Management (IEDPM) , 2015 from **I2P2M / George Washington University**, - New Delhi / Washington DC USA

PG DBA, General Management,
SP Jain Institute of Management & Research- SPJIMR - Mumbai, MH

Bachelor of Engineering, Mechanical
Madras University - Tamil Nadu, India

CAREER MILESTONES

BHARAT PETROLEUM CORPORATION LTD

2023 - – Chief General Manager, Refinery Projects Organization

2022 - 2023 – General Manager, Projects

2021 – 2022 – General Manager, Reliability

2014 – 2021 – Chief Manager/ Dy. Gen Manager / Gen. Manager - Projects

2013 – 2014 – Chief Manager, Shift Administrator / Chief Manager Projects

2006 – 2012 – Senior Manager - Maintenance, ERP, Reliability

KOCHI REFINERIES LTD

1998 - 2006 – Manager, Maintenance / Consultant SAP – PM Module - ERP

1995 – 1998 – Deputy Manager, Maintenance & Condition Monitoring

1992 – 1995 – Senior Engineer, Maintenance Dept

1988 – 1992 – Engineer, Operation – Stock and Oil Movement Dept

COCHIN REFINERIES LTD

1987 - 1988 – Apprenticeship

TRAINING AND CERTIFICATIONS

- Creating High Performance Organizations - IIM Bangalore
 - Certification in Project Management – Various leading Institutes
 - e-Learning Program – Harvard Manage Mentor by Harvard Business Publishing.
 - *eXcelerator – Emerging Leaders Program' - BPCL*
 - Certification in SAP - PM Module
 - Certification in Condition monitoring & vibration analysis
 - Various supervisory development programme
 - Training at various Original Equipment Manufacturer's factory.
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PERSONAL DETAIL

Contact Details -
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BPCL Staff colony,
Aziz Baug, Chembur,
Mumbai - 400074

CONFERENCE PAPERS

- Presented various papers in Oil Industries Safety Directorate (OISD)
 - Presented various papers in Centre for High Technology (CHT)
 - Presented paper in IQPC, Malaysia on Reliability initiatives.
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RECOGNITION

- *Chairperson of Turbo Machinery Sectional Committee, MED 22 of Bureau Of Indian Standards. – (Presently continuing)*
Oil Industry Safety Directorate Standards drafting committee member – 10 Standards of various Rotary Equipment