

PRADEEP KUMAR

Designation: - Piping Engineer

Department: Mechanical (Piping)

Specialization: Oil & gas (Material)

Area of Expertise:

Piping –Design Conceptualization, Detailed Engineering,, Drawings Review & checking (Plot Plan, Equipment Layout, Piping Layout, Isometrics (Issued for Construction)). Preparations , Review & Finalization of **Piping and Valve Material specification, BOQ estimation, MR, TBE Purchase Requisition of piping and mechanical vendor packages items,** issue of enquiries and technical evaluation of **Vendors' offers/quotations,** Project control, coordination & documentation, Supervision of **Site Piping fabrication, Erection & installation as per Isometrics in the greenfield and brownfield** (shutdown)projects, equipment Installation & **Support erection as per support Sketches &Schedule.**

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(Also Whats App No.)

CAREER OBJECTIVE

I want to work in an organization within an area where my technical knowledge and managerial skills are required. I want to contribute to the organization as well as augment my skills by fulfilling my duties in the challenging & dynamic working environment.

ACADEMIC BACKGROUND

Year(s)	Qualification - Degree / Diploma / Certificate	Board/University	College / Institute/ University	Percentage / CGPA
2011-13	MBA (Oil & gas Management-Full time)	University Of Petroleum & Energy Studies, Dehradun	College of Management and Economic Studies, Dehradun	3.09/4.00 (81.8%)
1999-2003	B-Tech (Mechanical Engg.)	Deemed	Dr. B.R. Ambedkar NIT, Jalandhar	61.08
1998	12th (Science)	P.S.E. B	S.M.D.R.S.D, College, Pathankot	63.5
1996	10th	C.B.S. E	Air Force School, Pathankot	76.8

WORK EXPERIENCE

10years & 9 months+ hands on industrial experience in the **Piping Design and project activities.**

Responsible for the review, checking & **detailed design engineering (using AutoCAD, MS-office etc.)** mainly on material (**PMS, VMS, Datasheets, MR, TBE, Technical specifications/Notes, MTO/BOQ estimation**) and Supervision of **Site fabrication, Erection & Installation, Detailed Project Report** for piping fabrication in **shutdown** as well as green field. Handled Project coordination, and management activities using MS-Project software.

1 years +Professional Teaching experience (Piping Design & Detailed engineering courses).

Last Organization: China Petroleum Pipeline Engineering Corporation-Abu Dhabi (From 28/10/2024 to 30/12/2024)

Recent Designation: Piping Engineer

Responsibilities:

- i. **Worked on ADNOC ONSHORE ONE TIE-IN-PROGRAM for Buhasa Onshore Field**
 - Preparation of PMS
 - Checking of Datasheets of Valves and special items and incorporating client comments for new revision.
 - Pipe thickness Calculations etc.
- ii. **Worked on Sales Gas Pipeline network Enhancement Project**
 - Datasheets of Valves (Ball & Check) for Pkg4 & Pkg7
- iii. **Worked on Iraq NWP Bidding project**
 - Preparation of MTO
 - Preparation of scope of work for Sub-Contractor for FIV/AIV Analysis
 - Preparation of Piping Execution Plan

TRAININGS & PROJECTS UNDERTAKEN(During MBA)

Dissertation (During MBA Oil & Gas)

Duration: 6 months

Project Title : Oil & Gas Pipeline Corrosion management and development of the concept of green corrosion inhibitors.

Description : Carried out the detailed study of different constituents of pipeline corrosion management such as Corrosion risk assessment of the pipeline system, the various types of pipeline corrosion and its inspection techniques etc.

Major Projects (During my Work experience)

1. **Domus Lloyd Contracting Limited Posted at Punj Lloyd Engineering Pte, Abu Dhabi, UAE (From 23th/07/2024 to 13th/10/2024) at Abu Dhabi, UAE**

Responsibilities: Worked on a SARB Accelerated Growth project. Checking & reviewing of 3D model as per P&ID, PMS, instrument hook ups, process line list etc. Final updating of GAD (for Well Head surface Piping facilities-FFD) and isometrics for IFC purpose. Primary and secondary supports finalization after 90% model review (considering CAESAR-II Load case and Restraint summary) and generation of MR for valves (Gate, check (wafer type), Ball) and strainers on the basis of MTO, data sheets, Piping Material Specification and ADNOC (AGES) technical notes.

2. **Worked with Dhafir technologies L.L.C(From 10th/05/2024 to 18/07/2024) at Abu Dhabi, UAE as Design Engineer -Mechanical (Piping)**

Responsibilities: Worked on a GASCO Project -RUWAIS NGL-TRAINS MODIFICATION TO SUPPLY FEED STOCK.

Checking & reviewing of 3D model as per P&ID, PMS, instrument hook ups, primary and secondary supports for the finalization 90% model review and preparation of piping MTO and generation of MR on the basis of MTO. Preparation of valve data sheet (for Gate, Globe, check, Butterfly, Ball, Plug etc. valves) on the basis of valve specifications and ADNOC (AGES) technical notes.

3. **Worked with NPCC Engineering Pvt. Ltd., Hyderabad (from 13/09/2023 to 29/03/2024) as a Senior material engineer-Piping (Grade E8)**

Responsibilities: Consolidation of piping MTO and generation of MR on the basis of MTO extracted from PDMS.

4. **Worked with Acme Engineering Products & System (India) Pvt. Ltd., Ambernath, Thane (From 8/06/2023 to 10/08/2023) As Assistant Manager -Piping Design & Engineer.**

Responsibilities:

Estimating the Piping BOQ (Pipe, valves, flanges etc.) on the basis of P & ID and responsible for the checking and preparation of the 3D model on AutoCAD 3D software. For storage (at 180degC) and handling of process chemical and resin for client Soprema, Drummondville, Quebec, Canada.

Checking and consolidating the final BOQ for the flocculant and coagulant Piping skid as per P&ID, PMS and 3D Model (Using Autodesk Navisworks Freedom-2023)

5. **Worked with Lyondell Basell , Vikhroli, Navi-Mumbai on Third Party Payroll (06.03.2023 to 06.04.2023) by Protton Synergy Pvt. Ltd. As Piping Material Engineer**

Project: LPO -SYN GAS PROJECT

Responsibilities:

Material specification (PMS & VMS and VDS) consolidation by comparing existing site spec with corporate spec.

6. **Worked as Piping Manager with Tata Consulting Engineers Limited, Airoli, Navi-Mumbai (17.08.2022 to 27.09.2022) on a Project of 850 TPD Chlor-Alkali at Bhurch Gujarat.**

Responsibilities:

Responsible for the Checking of Extracted Isometrics (from E3D model) for MTO, Process parameters, P&ID compliance etc. using Navisworks-Freedom.

7. **Worked with MCE Consulting Engineers Pvt. Limited, Mulund (W) as Senior Piping Engineer (from 9th May, 2022 to 25/07/2022) on Project of Wet Scrubber System for PFCC Flue gas at ONGC MRPL Refinery.**

Responsibilities:

Responsible for the preparation of Equipment Layout, MTO (all piping components and special items such as **Hoses, strainers** etc.), using Navisworks –Freedom for the checking of Layout.

Review of Piping Inputs (P & I Ds, Mechanical Data Sheets, Vendor Drawings etc.)

Up gradation of Piping MTO on MS-excel as per PMS, P & ID etc. and develop summarized report using pivot table tool.

8. **Worked with VP Associates, Pune (Contractor) and Posted at Heurtey Petrochem India Pvt. Limited (From 16.02.2022 to 05.04.2022) as Piping Material Engineer.**

Responsibilities:

Checking of Extracted isometrics (from sp3d model) for primary and secondary supports, MTO, Process parameters etc. using Navisworks –Freedom.

Review of Piping Inputs (P & I Ds, equipment data sheets, Vendor Drawings etc.)

Up gradation of Piping MTO on MS-excel as per PMS, P & ID etc. and develop summarized report using pivot table.

9. **Worked in Aarvi Encon Limited, Mumbai and posted at M/s Ducon Infra-technologies Limited, Thane on Third party Payroll. (05.10.2020 to 21.04.2021)**

Responsibilities:

Responsible for the preparation and approval of piping deliverables (PMS, VMS, Equipment Layout, MTO, Piping Layout, Support Sketches etc.) And Review of Piping Inputs (P & I ds equipment data sheets, Vendor Drawings etc.)

Technical review of Vendor offers for piping items (Valves and fittings (CS/FRP/CSRL) etc.).

10. **Worked in Aegis Logistics Ltd. As Deputy Manager –Projects (Piping) from 24.07.2018 to 24.07.2019.**

Responsibilities:

Executed the site supervision of erection and fabrication of new fire hydrant above ground line as per layout and detailed drawings and New LPG static mixer piping spool fabrication, testing, and installation and commissioning for Pipavav Jetty.

Also, involved in the supervision of shutdown maintenance **and** modification (fixed roof to floating roof) of storage tanks.

Involved in the assignment of Preparing the plot plan of LPG Gas bottling plant with 34MT storage (above ground mounded) vessels capacity. Involved in the study & review of PFD and P&ID for above ground storage tanks (Refrigerated Propane and LPG & other petroleum products).

Worked on the Planning layout, MTO cost estimation (process & utilities piping) for New Rail wagon Loading Gantry proposal.

11. **Worked in Aditya Birla Grasim, Worli as Senior Project Engineer (Piping/Mechanical) (w.e.f. 07.03.2016 to 06.09.2016). (On Contract role)**

Worked on DCPD –Feed Grade project.

Responsibilities:

Issue of technical enquires to different approved vendors of major equipment (i.e. reactors, filter presses, centrifugal pumps, Spin flash dryers etc.), piping items (pipes, valves, strainers, flanges, elbows and other fittings).

Review of **PMS, VMS**, Design basis, Equipment layout, Piping Layout, Mechanical data sheets of major equipment, Technical evaluation of vendor's offer.

12. Worked as Piping Engineer (on plant design engg. Consultant Agreement) in Enventure Technology Services (I) Pvt. Ltd. at Bengaluru, Karnataka on 2-month consultant contract agreement. (w.e.f. 26.08.2015 to 26.10. 2015).

Responsibilities:

- Worked on project of detailed design engineering Of Effluent (OWS) treatment as piping design engg. Consultant.
- Worked on manual pipe load calculations and reinforcement pad calculation as per ASME B31.3.
- Carried out the Isometric and Fabrication Spool drawing checking.

13. Worked as Piping Engineer under Sub-Contractor (RCAD Drafting and Consulting Engineers) for ONGC Uran Plant revamping project (from 19.05.2015 to 20.06.2015). (On Contract basis)

Responsibilities: Involved in the preparation of as built drawings (isometrics including Piping MTO) in unit shutdown conditions for revamping.

14. Worked at Sterling Oil Exploration and Energy Production Company Limited, Nigeria (West Africa) in Department-Facilities (From 20.07.2013 to 10.12.2014)

Responsibilities:

Preparation of piping Layout and MTO. Supervising the piping fabrication jobs (including hydro test) at site. Preparation of DPR (Daily Progress Report) for CNG Project. Supervision of day-to-day maintenance and operation activities (in plant Piping and Pipeline). Supervision of piping modifications during partial shutdown of crude oil processing unit.

At Asemoku Jetty near delta region.

Involved in the Design (material selection, pipe thickness calculation), Procurement, fabrication/construction, Hydro-test, Installation of piping spools (4" size) from Wellhead Christmas tree (Choke housing) to 8" size Manifold for 16km below ground pipeline transportation to oil & gas processing unit at flow station.

Worked on Energia Crude tanker unloading scheme project.

- Performed size, thickness and pressure loss calculation for the crude oil pump suction and discharge piping.
- Prepared the Piping MTO, Purchase requisition for PO, carried out Material Inspection as per technical specifications & notes.

15. Worked as Engr. (Piping) at IOTDE Ltd., Mathura Road Office, New Delhi (100% subsidiary of IOT Group) in the Assam Processing Plant Renewal project of ONGC Ltd., Assam (From 01.05.2008 to 22.10.2009)

Responsibilities:

Preparation of MTO for painting & insulation using MS-office by referring P & I Ds and Piping layout.

Preparation of PMS, VMS, Datasheets and Technical Notes.

Involved in preparing piping layout of tank farm area of Lakhmani-iv, GGS (Group Gathering station) unit as per OISD118.

Did Pipeline thickness calculations as per ASME B31.4 and ASME B31.8.

16. Worked as Plant/Piping Design Engr. at Lurgi India Company Pvt. Limited in the revamping project of HDPE (High density Polyethylene) unit of HPL (Haldia petrochemical Ltd.), Kolkata. (From 11.09.2007 to 31.03.2008)

Responsibilities: Reviewed GAD (General Arrangement Drawing), PMS, Equipment layout, Vendor drawings, Instrument Hook-up Drawings and did isometrics updating accordingly with use of AUTOCAD-2006.

17. Worked as Design Engr. (Piping) at Doosan Engg. & Services Pvt. Limited in the Power & Desalination project Barkha Phase-II, Oman (From 03.05.2007 to 10.09.2007)

Responsibilities: Did routing & 3D modeling on PDS for main cooling water line and auxiliary cooling water line for surface condenser. Also, prepared MTO of special items.

18. Worked as Piping Engr. at Saipem Triune Engineering pvt. Ltd. in the value-added project (PMC Job) of ONGC at GCS, Kuthalum (MTO and Offsite layout modification) & IOCL Mathura Refinery (BBU). (From 29.09.2006 to 30.04.2007)

Responsibilities: Accomplished the Preparation of PMS & VMS, Painting specification and MTO on the basis of Piping Layout.

19. Worked as Design Engr. (Piping) at Jacobs H & G Pvt. Ltd., New Delhi in the project of TBBA, Plant at Bhuj for Solaris Chemtech Ltd. (From 01.05.2006 to 28.09.2006)

Responsibilities: Involved in the preparation of PMS, VMS, data sheets and equipment layout.

20. Worked as Assistant Engr. (Mechanical) at Projects & Development India Ltd. (Govt. Of India Undertaking), Noida. In the revamp project of hydrogen plant at National Peroxide Limited, Kalyan, Mumbai (From 16.06.2004 to 28.04.2006).

Responsibilities:

Involved in the modification of structural drawings of the reformer, preparation of modified piping layout, Preparation of Isometrics in AUTOCAD-2000 from piping Layout, Marking support on Piping Layout and preparation of Support schedule, Support sketches, MTO preparation for revamped lines and stress analysis on CAESAR-II for critical lines. Did design calculations such as minimum pipe wall thickness as per ASME B31.3.

Also, got an exposure to bid (technical and commercial) preparation and evaluation work in material management department.

ENGLISH PROFICIENCY ACHIEVEMENT

Appeared in IELTS on **25.03.2017 (General Training)** Test (conducted by British Council) and **scored 6.5/9** bands (Overall).

ACADEMIC ACHIEVEMENTS

✓ “Best Reader Award” 2011-12 at Knowledge Resource Center, UPES, Dehradun

COMPUTER SKILLS

✓ MS-Office, Autocad-2012 (2D & 3D), CAESAR-II4.5 version, PDMS, E3D, MS-Project, Navisworks-Freedom

PERSONAL DETAILS

Date of Birth (DD-MM-YYYY) : 18-10-1980
Father's Name : Chander Kishore Kumar
Mother's Name : Vidya Devi
Gender : Male
Nationality : Indian

Languages Known	Read (Beginner/Proficient/ Expert)	Write (Beginner/Proficient/ Expert)	Speak (Beginner/Proficient/ Expert)
English	proficient	proficient	proficient
Hindi	proficient	proficient	proficient
Punjabi	proficient	proficient	proficient

Hobbies &

Interests : Reading Oil & gas magazines, Listening songs and light music, swimming, internet surfing.

Passport No. : N4771776

Date of Expiry
(Of Passport) :18.11.2025

I declare that the details above are correct and true to the best of my knowledge.

Pradeep Kumar