

ARUN NIKAM

Senior Mechanical Engineer (Static & Packages)



Personal Details

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Summary

Total Experience: 15+ years

Over 15 years of experience as static equipment engineer in conceptual and detailed design, FEED, Engineering & Procurement of various equipment such as unfired pressure vessel, columns, Heat exchangers, static mixers, Mounded bullets, Air cooler package, cooling water filter package, filters, ejectors, pig launcher & storage tanks in the field of Oil & gas, fertilizers, and chemical plants.

Skills:

1. Design Calculation of process equipment such as pressure vessel, Heat exchangers, column, Tanks. Etc.
2. Sound knowledge of mechanical engineering software like PVELITE, COMPRESS, B-JAC, AME Tank, AUTOCAD.
3. In-depth knowledge of material selection, designing of static equipment
4. Sound knowledge of mechanical engineering concept, industry standards and specifications like ASME, ASTM, API, TEMA, WRC 107/297, NACE, Shell DEP, PDO, GOST.

Education

2003-2008 Bachelor's in Mechanical Engineering, Bharati Vidyapeeth, Navi Mumbai

Experience

2023-Present Senior Mechanical Engineer, Worley India Pvt Ltd, Pune,

- FEED & detail engineering for static equipment such as Pressure vessels, Heat exchangers & tanks as per national & international codes for the following projects:

LUBRI ZOL - Standardization services, India

- Responsible for: Preparation of specification of Pressure vessel, Heat exchangers, API tanks. PHE, Filters (Pressure leaf, plate & frame), Tank repair as per API 653.

ALFANAR - Lighthouse Green Fuel FEED Project, UK

- Responsible for: Preparation of datasheet of Pressure vessel, Heat exchangers, API tanks. Design of storage tanks as per API 650.

SHELL - REDII GREEN Project, Netherlands

- Responsible for: Vendor document review of Air coolers, S&T heat exchangers. Technical evaluation of filter, GRP vessel.

2021 – 2023 Manager - Static, Praj Industries Ltd, Pune

- Detail engineering for static equipment such as Columns, Pressure vessels, Heat exchangers as per national & international codes for the following projects:

HPCL - 2G Ethanol Refinery, India

- Responsible for Design of S&T HE, checking of engineering drawing, Interaction and expediting with Fabrication shop, Client & other departments.

RELIANCE - CBG Project, India

- Responsible for Design of vessels, S&T HE, checking of engineering drawing, Interaction and expediting with Fabrication shop & other departments.

2019 – 2021 Senior Mechanical Engineer, Worley India Pvt Ltd, Navi Mumbai.

- FEED & detail engineering for static equipment such as Columns, Reactors, Pressure vessels, Heat exchangers as per national & international codes for the following projects:

SHELL - REDII GREEN Project, Netherlands

- Responsible for: Preparation of datasheet, material requisition, Interaction and expediting with Client, vendor & other departments for Air coolers, storage tanks, filters.

INEOS - JTL FEED Project, Belgium

- Responsible for: Preparation of datasheet, material requisition, Interaction and expediting with Client, vendor & other departments for Mounded bullets, storage tanks & ground flare package.

ACE Project, Belgium

- Responsible for vendor document review, interaction and expediting with client, vendor & other department for Air coolers, S&T heat exchangers

EXXON MOBIL - Gravenchon G2R Project, France

- Responsible for vendor document review, interaction and expediting with client, vendor & other department for Gofiner reactor.

2014 – 2019 Senior Mechanical Engineer, Tecnimont ICB India (P) Ltd, Mumbai

- FEED & detail engineering for static equipment such as Columns, Reactors, Pressure vessels, Heat exchangers as per national & international codes for the following projects:

SOCAR- Heydar Aliyev Oil Refinery Modernization and Reconstruction Project, Azerbaijan

- Responsible for vendor document review, interaction and expediting with client, vendor & other department for pressure vessels.

SOLVAY- Sparkle-2 Project, India

- Responsible for preparation of Supply specification, Datasheet, Technical evaluation of pressure vessels & heat exchangers. Also, vendor document review for pressure vessels.

SOCAR- PP/U&O PLANT Project, Azerbaijan

- Responsible for preparation of Supply specification, Datasheet, Technical evaluation of columns, pressure vessels & heat exchangers. Also, vendor document review for pressure vessels & heat exchangers.

QAPCO- AL-SEJEEL petrochemical FEED project, Qatar

- Responsible for Design & preparation of datasheet of pressure vessels & heat exchangers.

Nevinnomyssk Azot OJSC - Ammonia & Urea Plant FEED project, Russia

- Responsible for Design & preparation of datasheet of pressure vessels & heat exchangers for Ammonia service.

GAZPROMNEFT - COMBINED OIL REFINING UNIT Project, Russia.

- Responsible for Design & preparation of Datasheet of pressure vessels, Separators in Gas processing plant. Vendor document review of pressure vessels & heat exchangers.

RELIANCE SIBUR - 100 KTA IIR Butyl Rubber project, India

- Responsible for vendor document review, interaction and expediting with client, vendor & other department for pressure vessels & heat exchangers.

2013 – 2014 Deputy Manager - Static, Essar Projects India Ltd, Mumbai

- Detail engineering for static equipment such as Pressure vessels, storage tanks as per national & international codes for the following projects:

TAKREER- Spent Caustic Treatment Plant Project, UAE

- Responsible for preparation of Supply specification, Datasheet, Technical evaluation of pressure vessels & storage tank. Also, vendor document review for pressure vessels.

2012 – 2013 Design Engineer, Toyo Engineering India Ltd, Mumbai

- FEED for static equipment such as Columns, Pressure vessels, Heat exchangers as per national & international codes for the following projects:

PETRONAS – RAPID FEED project, Malaysia

- Responsible for Design & preparation of Datasheet of pressure vessels, columns & heat exchangers using in-house software.

2008 – 2012 Design Engineer, Denfab Consulting Engineers Pvt Ltd, Mumbai

- Detail engineering for static equipment such as Columns, Reactors, Pressure vessels, Heat exchangers as per national & international codes for the following projects:

QATAR PETROLEUM - Gas sweetening facilities project, Qatar

- Responsible for Design Sour of pressure vessels (Client – Maritime industrial services, Sharjah).

IOCL - PARAXAIR Project, India

- Responsible for Design Hydrogen service of pressure vessels (Client – Geecy Engineering Pvt Ltd, India).

ONGC - Mangalore petrochemicals Ltd project, India.

- Responsible for Design & preparation of Datasheet of pressure vessels & heat exchangers. Vendor document review of pressure vessels & heat exchangers (Client – L&T Ltd, India).

ADNOC - UAE

- Responsible for Design of pressure vessels (Client – Maritime industrial services, Sharjah).

OPaL - Dahej Petrochemical complex, India

- Responsible for Design of heat exchangers (Client – Tema India Ltd, India).

Specialist and technical skills

Experience on software like PVElite 24, Code-Calc, Nozzle Pro, AutoCAD, AME Tank, Compress, B-Jac

Languages

Can speak & write fluently languages like English, Hindi & Marathi