

# HARISH BHOYAR

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## Career Objective

Dedicated and detail-oriented **Static Mechanical Engineer** with **4.5+ years of professional** experience in fabrication, site Execution & engineering design calculation and drafting of static equipment such as pressure vessels, heat exchangers, and tanks Piping. **Skilled in using PV Elite, SolidWorks, and AutoCAD**. Seeking to Contribute Technical Expertise and site-based experience to deliver reliable and optimized mechanical designs for projects in the Oil & Gas, Power, Chemical, and Fertilizer industries.

## Educational Qualification

Qualification	Institution	Board/University	Year	Percentage
B Tech Mechanical Engineering	RTMNU	RTMNU	Appearing	-
Diploma in Mechanical Engineering	Govt. Polytechnic Chandrapur	MSBTE	2018	83.40 %
SSC (10th)	SHSE	Maharashtra Board	2015	84.60 %

## Technical Skills

**Design Codes & Standards:** ASME Section II, Section VIII Div.1, Section IX, TEMA, ANSI, IS Standards.  
**Software Tools:** PV Elite, SolidWorks, AutoCAD, Nozzle Pro MS-Excel, Power Point  
**Engineering Skills:** Design drafting, Mechanical Design Calculation, Fabrication & Piping Fit up, Equipment Erection Shop Fabrication, hands on experienced in welding experience on SMAW/TIG welding processes, weld joint detailing, NDT & QA/QC coordination ,equipment detailing. Estimation & Costing, Hands-on experience with on-site piping erection & Equipment erection. Minutes of Meeting (MOM) Mechanical Data Sheet.  
**Documentation:** Bill of Materials (BOM) preparation, material take-offs, and cost estimation. Vendor drawing review, technical document control, and compliance verification, Technical Bid Evaluation (TBE), Purchase Requisition (PR)

## Professional Experience

### TECH Rudra Engineering & Services – Design Assistant

Nashik, May 2025 – Till Now

#### Projects & Key Contributions:

**Oil & Water Tank (USA) Client:** Novatech Engineering LLC USA | **End User:** Novatech Engineering LLC USA)  
Mechanical design of equipment in accordance with process inputs, design basis, contractual technical conditions and codes and standards,Using Pv-elite Software, handled client coordination, document submission, and technical

comment resolution. Prepared detailed calculation reports, MDS, and final documentation packages. Communicate with customers/fabricators during the project execution to understand the scope and comment resolution on reports/drawing. Providing inputs to mechanical draughtsman team for drawing preparation.

**Hydrogen Generation Unit (Magnolia) Client:** Chemtex Engineering Pvt Ltd | **End User:** Mangol Refinery state LLC) Performed detailed mechanical design Calculation of pressure vessels and heat exchangers using PV Elite in compliance with ASME Section VIII Div.1 and TEMA standards. Coordinated with clients and third-party agencies for design review, technical clarifications, and comment resolution. Prepared and maintained comprehensive design documentation, calculation reports, and as-built data sheets for final submission and project record. Assistance to customer for design changes during Manufacturing.

**Heat Exchanger Client:** Graphite India Ltd | **End User:** Balram Chini Mill)

Mechanical Design Calculation of equipment, Handle the meeting interaction with client third party to understand project requirements and implement the same successfully, Preparation of PV Elite report, coordinating with draughtsman for GA drawing and fabrication drawings, Support to Sales in preparing cost estimates for static equipment design. Checking of the drawings as per design reports, Assistance to customer for design changes during manufacturing of equipment. Communicate with customers/fabricators during the project execution to understand the scope and comment resolution on reports/drawing.

## **ARTSON ENGINEERING LTD (A TATA Enterprise) – Engineering Department**

Nashik, April 2024 May2025

### **Projects & Key Contributions:**

#### **Noida International Airport – 22 CS Filter**

**Client:** Tata Projects Ltd | **End User:** Yamuna International Airport Pvt. Ltd

Mechanical design of filters and other static equipment. supported procurement and fabrication teams by providing technical inputs, material selection guidance, and design clarifications during execution. coordinate effectively with clients, vendors, and multidisciplinary engineering teams, checking of the drawings as per design reports, handle meetings/interactions with client/third party to understand project requirements and implement the same successfully. Mechanical design of static equipment in accordance with process inputs, design basis, contractual technical conditions and codes and standards.

#### **Fluorochemical Plant – Dahej, Gujarat**

**Client & End User:** Navin Fluorine Advanced Science Ltd

Preparation of PV Elite report, coordinating with draughtsman for GA drawing and fabrication drawings. Prepared bill of materials (BOM) for static equipment. coordinate effectively with clients, vendors, and multidisciplinary engineering teams provided technical support during fabrication, including clarification of design queries and fit-up verification. Communicate with customers/fabricators during the project execution to understand the scope and comment resolution on reports/drawing.

#### **Bullet Vessel – Surat, Gujarat**

**Client & End User:** AM/NS India Ltd.

Assisted in inspection coordination and third-party review for design verification and final documentation approval. Mechanical design of equipment in accordance with process inputs, design basis, contractual technical conditions and codes and standards, using Pv-elite Provide technical support during fabrication, inspection, and site erection, resolving design-related issues as required. Providing inputs to mechanical draughtsman team for drawing preparation. Assistance to customer for design changes during manufacturing of equipment. Checking of the drawings as per design reports.

## **Ms-Block Project – IOCL Gujarat Refinery**

**Client** – Tata Project | **End User** – IOCL Ltd Mechanical design of various types of vessels, columns, filters and other static equipment. Accordance with MDS and latest amendment code, Review GAD and Manufacturing Drawing, incorporate client Comment, Making Comment resolution sheet, Floating new enquiry to the vendor for raw material, Vendor offer evaluation & preparation of TQs according to project specification. Prepare comprehensive Mechanical Data Sheets (MDS) and Design Basis for all static mechanical equipment.

## **TECH Rudra Engineering & Services – Jr. Design Engineer**

Nashik, Feb 2023 to March 2024

**K.O Drum - Client** -Artson Engineering Ltd | **End User:** IOCL ltd

**BEM Type Heat Exchanger – Client** Ak Celik Boru | **End User:** Bollen Energy DMCC

Mechanical design of various types of vessels, heat exchangers, filters and other static equipment. coordinating with draughtsman for GA drawing and fabrication drawings ensuring all design revisions are accurately incorporated maintain and update the Comment Resolution Sheet (CRS), Perform accurate estimation and verification of fabrication weight, operating weight, and hydrotest weight for static equipment. Coordinate effectively with clients and multidisciplinary engineering teams. Prepare comprehensive Mechanical Data Sheets (MDS)

## **L & T Construction (Building & Factories) – Projects & Execution**

Ahmedabad, July 2021 to Dec 2022

Inspect weld joints for quality, fit-up, and adherence to procedures using NDT methods. And welding codes. Inspect piping work for quality, welding, and alignment. Ensure all piping & Fabrication activities comply with engineering drawings, isometrics, P&IDs, conduct pre-commissioning and hydrostatic testing of piping systems, ensuring leak-proof joints and adherence to pressure ratings. Maintaining Daily Progress Report. responsible for supervising, coordinating, and executing the installation and commissioning of mechanical equipment and systems at sites fabrication, erection, and activities as drawings and project specifications. Coordinated with design, and planning teams to resolve technical queries and ensure smooth workflow at site. Monitored fit-up, alignment, and welding processes, verifying WPS, PQR, and welder qualifications. Coordinate with vendors.

## **NTPC Ltd – Diploma Apprentice**

October 2018 to Nov 2019

National Thermal Power Corporation, Work as Diploma Apprentice in Government Organization. Explore the Knowledge in Power sector Industry. Engaging With Boiler, Pressure storage Vessel, Power Piping, Process Piping Work. Steam Line Tracing, learn to read and interpret mechanical/electrical drawings, P&IDs, and technical manuals. Follow plant safety procedures and protocols. Involve in commissioning activities. learning practical skills under the supervision of engineers and senior technicians.

## **SAIL India Ltd – Internship**

Steel Authority of India ltd, 3 months of Internship Participate in training programs and workshops to gain technical knowledge of plant systems. Exposer to steel & Power Industry closely Experience with Furnace, Heater power plant mounting and accessories Understanding of real-world industrial safety, operational procedures, and workflow.

## **Personal Details**

Date of Birth: 17/02/2000

Languages Known: English, Hindi, Marathi. Bengali, Gujarati

Marital Status: Single

Place: Chandrapur, Maharashtra