

CURRICULUM VITAE



Mahesh Ramesh Amrutkar

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Objective:

Seeking a challenging and responsibility position as a **Piping Designer** in the field of Oil & Gas, Marine & Power Industry where diligence and hard work are hallmarks of a successful career.

Education Qualification:

- **B.TECH.** (Mechanical Engineering) 64.5% from Karnataka State University, Mysore.
- **Diploma** (Mechanical Engineering) 66.56% (T.M.V. Pune)
- **National Council Trade for Vocational Training (N.C.T.V.T.)** 80.00% Govt. ITI Satpur, Nasik. **(1st Rank all over Maharashtra)**
- **I.T.I.** (Mechanical Draughtsman) 69.80% Govt. ITI Satpur, Nasik.

Key Areas of Experience:

- Plant Design & Piping Layout, Piping Isometric, Piping Support in following sector of Power and Offshore EPC projects related to following plants
Thermal Power Plant,
Oil & Gas Offshore
Marine Ship Building

Soft Skills:

- Problem solving & Innovative thinking attitude, Communication, Team Work, Time Management, Managing & Developing People.

Technical Skills & Knowledge:

- Plot Plan, Equipment Layout, Piping Layout, Structural Layout, Floor Plan, and Piping & Structural quantity estimates etc..

Experience Summary:

- **Currently Working on Harris Pye Engineering,** Navi Mumbai (From Aug 2015 to Till Date)
- **Armstrong International Pvt. Ltd.** Pune (From Oct 2014 to July 2015)
- **Thermax LTD. (Large Power Plant Division),** Pune (From Sep 2010 to Oct 2014)
- **ThyssenKrupp Industries Pvt. Ltd,** Pune (From Aug 2007 to Aug 2010)
- **Frames process and energy (I) systems Pvt. Ltd,** Pune (From Dec 2006 to Aug 2007)

Personal Data:

Permanent Address:

N-53/A-J-3/14-2, Rajaratna Nagar,
CIDCO-5, Nashik,
Maharashtra, India.

Personal Details:

Date Of Birth: 27-06-1982
Sex: Male
Nationality: Indian
Marital Status: Married

Passport Details:

Passport No. – R4975184
Date of Expiry – 24-09-2027

VISA Details:

Type - B1/B2 (Expiry-2027)
& C1/D (Expiry-2022)

Career To Date:

Total Experience: - 12 year's

Piping Software Knowledge:

- Auto cad (All Version),
- CAD Worx Plant Professional
- SSIPIE
- Auto Plant 3D
- PDMS (Version 11.5 & 11.6)
- Caesar-II V5.10,
- Navies works review
- MS-Office

Professional Summary:

- Solid Experience of 3D conceptual design of piping system using Cad worx / PDMS / AUTO PLANT 3D and SS-Pipe.
- Prepare Isometric DWG. For Fabrication using GA. Drawing.
- Test pack maker and Checker for commissioning work.
- Equipment location plan.
- Nozzle orientation Drawing.
- Prepare Pipe Support Drawing.
- Piping General Arrangement Drawing.
- Isometric drawing with bill of materials.
- P&ID drawing generation & Updation.
- Experience of piping details engineering Design, Piping & Equipment Modeling, Material Take Off.
- Experience of Isometric, Piping Plant Development.
- Preparation of Piping Bulk Materials.
- Site Surveying for clash with another service and AS Built Drawing.
- Preparation of P&ID, Piping Layout, Piping Fabrication Drawing, Isometric and GA Drawing.
- Proficient in reading PFD and P&ID Piping GA Drawing.
- Good Exposer to Equipment Layout and Elevation Drawing.
- Preparation of Line List and Valve List as per P&ID Diagrams.
- Check that all the materials, such as Pipe, Fitting, Flanges and Valve are within the international Codes and Standards
- Aware of Different Piping Material Specifications and it's compatible piping components.
- Familiar with various applicable international standards and design code like ASME B 31.1, B 31.3
- Good Exposer to Equipment Layout and Elevation Drawing.
- Ability to work on given project with minimal supervision.
- Preparation of Pipe Rout using Caesar-II V5.10, Data portability using Caesar-II V5.10 for making Support and Stress / IBR Isometrics.
- Isometric Details Drawing Done by as per Support Tag with node numbers, Support Schedule in Caesar-II Analysis given to Piping Engineers.
- Main Cooling / Auxiliary Cooling Tower Piping (Supply & Return underground & aboveground) routing and Support detail fabrication drawing draw by using AutoCAD.
- Support – All Rigid Support, Spring Hanger, Rigid Hanger, Rod Hanger Fabrication Details Drawing.
- Steam Blowing Temporary Piping Layout, Steam Blowing Target Plate & Required support Detail Drawing to done by using CAD.
- Checking and Review of 3D model from Navies works.
- Solid Experience of 3D conceptual design of Structural system using TEKLA.
- Preparation of detail fabrication drawing for Staircase, conveyor gallery.
- Preparation of Structural Fabrication Drawing Like Beam, Column and Bracing with MTO.
- Preparation of structural Roof Plan, Floor Plan G.A. and Details Drawing.
- Preparation of fabrication Drawing for Cage Ladder, Monkey Ladder and Spiral Ladder.

Work Experience – CURRENT:

Harris Pye Engineering, Navi Mumbai

(From Aug 2015 to Till Date)

Designation – Piping Designer

Projects Involved

1. HULL Biomass Power Project, UK
2. BARRY Biomass Power Project, UK
3. BOSTON Biomass Power Project, UK
4. SONANGOL DRILLSHIP,
5. Liberty of the Seas BWTS.
6. MODEC- MV 20 CIDADE DE SANTOS
7. Marsk Sana – BWTS.

Job Responsibility:

- Preparation of Plot Plant, Equipment Layout, Piping Layout using AutoCAD & CAD Worx.
- Checking and Commenting on Vendor / Package unit drawing.
- 3D modelling for Piping & Equipment by using CAD Worx..
- Prepare Isometric & Pipe Support Fabrication drawing with MTO.
- To Check and Review 3d Model using Navisworks.

Work Experience - PAST:**Armstrong International Pvt. Ltd. Pune
Designation – Piping Design Engineer****(From Oct 2014 to July 2015)****Projects Worked on**

- 1 IOCL Gujrat Refinery Vadodara, (Condensate Recovery Project)
- 2 Ridhi-Sidhi Industries, (Gokak)
- 3 Kayem Food Panipat. (Steam Distribution System)

Job Responsibility:

- Preparation of Plot Plant, Equipment Layout, Piping Layout using AutoCAD & SSPIPE.
- Routing pipes according to P&ID using AutoCAD & SSPIPE.
- Preparation of Piping GA and Isometrics / Pipe Support fabrication drawing with MTO.
- Checking and Commenting on Vendor / Package Unit Drawing.
- Checking & commenting civil drawings like STG Building layout, Boiler Layout in line with the input.
- 3D modelling for Piping / Structure & Equipment by using SSPIPE.
- Review of 3D model from Navies works.

**Thermax Limited (Large Power Plant Division), Pune
Designation – Sr. Draftsman mechanical (Piping)****(From Sep 2010 to Oct 2014)****Projects Worked on**

- 1 Meenakshi Energy PVT. LTD, Gudur AP. (2X150MW THERMAL POWER PROJECT)
- 2 RELIANCE INFRA LTD. Dhursar, R.J. (1x125MW SOLAR THERMAL POWER PROJECT)
- 3 NMDC LIMITED – NAGARNAR, CH, (2x40 MW THERMAL POWER PROJECT)

Job Responsibility:

- Preparation for piping layout plan & cross section done for Line Connected to Equipment's – Steam Turbine, Boiler Feed Pump, HP & LP Heaters, Deaerators, Column, various types of Pump, compressors, Tanks, Heat Exchanger & Condenser etc.
- Preparation of equipment layouts, Piping layout, nozzle orientation of equipment's, Plot Plan.
- Isometrics (IBR & Non IBR) draws by using AutoCAD.
- Isometric Details Drawing Done by as per P & ID & Caesar Analysis Routing gives to Piping Engineers.
- Isometric Details Drawing Done by as per Support Tag with node numbers, Support Schedule in Caesar Analysis given to Piping Engineers.
- Preparation of Pipe Rout using Caesar-II V5.10, Data portability using Caesar-II V5.10 for making Support and Stress / IBR Isometrics.
- Main Cooling / Auxiliary Cooling Tower Piping (Supply & Return underground & aboveground) routing and Support detail fabrication drawing draw by using AutoCAD.
- Support – All Rigid Support, Spring Hanger, Rigid Hanger, Rod Hanger Fabrication Details Drawing.
- Steam Blowing Temporary Piping Layout, Steam Blowing Target Plate & Required support Detail Drawing to done by using AutoCAD.
- To Prepared Pipe Rack Drawing as per requirement of Site condition.
- Preparation of Plot Plant, Equipment Layout, Piping Layout using Auto-CAD 2014, AutoCAD Plant 3D and PDMS.
- Modeling for Equipment's and Piping by using AutoCAD Plant 3D and PDMS.
- Preparation of P&ID, Piping Layout, Piping Fabrication Drawing, Isometric and GA Drawing
- Piping General Arrangement Drawing.

ThyssenKrupp Industries Pvt. Ltd, Pune
Designation – Draftsman mechanical (Structural)

(From Aug 2007 to Aug 2010)

Projects Worked on

- 1 Jimaha-Malaysia Power Plant. (Malaysia)
- 2 DVC Durgapur LTD. (Durgapur West-Bengal)
- 3 Kissan-veer Sahakari Sugar mills LTD. (Satara, Maharashtra)

Job Responsibility:

- Solid modeling of 3D conceptual design of Structural system using TEKLA.
- Preparation of detail fabrication drawing for Staircase, conveyor gallery.
- Preparation of Structural Fabrication Drawing Like Beam, Column and Bracing with MTO.
- Preparation of structural Roof Plan, Floor Plan G.A. and Details Drawing.
- Preparation of fabrication Drawing for Cage Ladder, Monkey Ladder and Spiral Ladder.

Frames process and energy (I) systems Pvt. Ltd, Pune
Designation – Draftsman mechanical (Structural)

(From Dec 2006 to Aug 2007)

Projects Worked on

- 1 Tambua Landana Oil & Gas Project (The Netherlands)

Job Responsibility:

- Preparation of detail fabrication drawing for Staircase, conveyor gallery.
- Preparation of Structural Fabrication Drawing Like Beam, Column and Bracing with MTO.
- Preparation of structural Roof Plan, Floor Plan G.A. and Details Drawing.
- Preparation of fabrication Drawing for Cage Ladder, Monkey Ladder and Spiral Ladder.

Apprenticeship and Training:

1) Mahindra and Mahindra Ltd, Nashik (From Oct 2003 to Oct 2004)

Post Held: - Apprenticeship Draftsman mechanical

2) I.B.P. Ltd (Cryogenics division), Nashik (From Dec 2004 to May 2006)

Post Held: - Trainee Draftsman mechanical

3) I am successfully completed the Level-1 & Level-2 for Engineering of Safety Program incorporates guidelines for Health & Safety Management. This has been designed by Thermax & Skill soft, USA.

Achievement

- National Mineral Development Corporation, India intent to existing Plant. I am part of engineering team support to orient location of cooling Tower layout in most compact available area.
- Reliance Infrastructure LTD. Existing Solar Thermal Power Project, I am a part of Engineering team to detail drawing of all piping layout, IBR & NON IBR Isometric & support in limited period of project completion.
- Kayem food Project completed execution for steam Distribution system.

I hereby declare that the above statements are true, complete and to the best of my knowledge and belief.

Mahesh R. Amrutkar