

RESUME

Gajanan D. Biradar

B.E (Mechanical)

Total Experience: 4.5 year

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Profile Summary

I have completed B.E (mechanical) from Nagpur university, with first class and 4.5 year working experience with manufacturing and oil & gas industry in Project & Design department.

Work Experience Area

- **Boiler modelling :- & detailing** Pressure part, IBR & non IBR drg, platform, ducting, cladding, railing, grating, column, piping, tank saddle, nozzle orientation.
- **Equipment :-** Tank fabrication drg, nozzle orientation, saddle, related calculation
- **Plant layout Design:-** Biogas plant design as per PESO, SMPV & gas cylinder rule.
- **Pressure vessel :- & Heat exchanger** Design as per ASME, TEMA, PED std. , fabrication drg & detailing. 3D modelling, mechanical calculation.
- **Heat Recovery System:-** Hot water system (complete system to recover heat from waste fluid)
- **Piping :-** CNG piping, tubing, piping isometric drg, calculation, routing,BOM.
- **P & ID, PFD :-** piping and instrumentation diagram, process flow diagram, BOQ Scrubbing system, gas train, prs system, plant P & ID.
- **Codes & std. :-** ASME, ASTM,ANSI, SMPV,TEMA, PED, Gas cylinder rule.
- **Software:-** Autocad, Solid Works, Solid Edge, Inventor, PV Elite
- **Other :-** Commissioning, testing, site supervision, execution, import and export Material coordination

Professional Experience

Current Organisation

Company Name :- HRS Process System Ltd. Pune.

Designation :- Project Engineer.

Tenure :- 1st Sep, 2017 to till date

Software :- PV Elite, Solid Works, Autocad, MS Project

Roles & Responsibility:-

- Mechanical design calculations for heat exchangers, pressure vessel as per ASME and TEMA code using analysis software PV Elite
- Preparation of BOM for hot water skid & modification of p & id and GA drg.
- Selection of vales, strainers, steam traps, pumps, flanges, pipes, gasket.
- Calculation for sizing of pipes, weight calculation, flow calculation.
- Preparation of technical specification sheet of all bought out items for hot water skid.
- Preparation of process data sheet for drafting of Heat Exchanger.
- Provide the input for draftsman, checking fabrication & G.A drawings.
- Coordination with client ,vendor for technical query, inspection related all activities like submission of QAP, internal test report.
- Preparation of o & m manual, sop for hot water system, heat exchanger.
- Execution activity of heat exchanger, hot water system from design, manufacturing till dispatch of job. Site visit to resolve problems on site.
- Coordination of import and export of material.
- Factory visit to review project status and to plan complete projects ontime.
- Responsible for commissioning of HE, hot water skid.

Previous Organisation :-

Company Name :- Primove Engineering Pvt. Ltd. Pune.

Designation :- Design & Project Engineer.

Tenure :- 4th Nov 2015 to 31st Aug, 2017

Software used :- Solid Works, AutoCad, Autodesk Inventor.

Roles & Responsibility :-

- Preparation of layouts as per PESO norms, piping layouts, piping isometric drg, key plan, tank fabrication drg, foundation drg, proposal about project .
- 3D modelling, detailing, assembly, drafting using autocad and solid works, inventor.
- Preparation of bill of material & modification of p & id, process flow diagram.
- Selection of flanges, pipes, fittings, plates, angle, beam, channel, gaskate.
- calculation for sizing of pipes, weight calculation, flow calculation.
- Checking of bill of material, piping routing, p & id, process flow diagram, layout, flow direction, welding symbols.
- Standardization of drawings to avoid repetitive works.
- Familiar with Codes & Standards ASME, ASTM, ANSI, SMPV rules, Gas cylinder rules, welding symbols, etc.
- Travelling to customer sites for coordinating project commissioning, as built drg preparation, ensuring project execution.
- Review of project work (DPR) from site engineer.
- Supervision on site at necessary time to complete project successfully.
- Responsible for planning and estimation of time required to complete the work.
- Documentation such as testing report, ISO, material purchase requisition.
- Coordinate safety training for worker & site engineer.

Projects completed :-

- Bando India Ltd, Kolar – Design & installation of Propane mounded tank & piping.
- Piaggio vehicle Ltd Baramati - Design & installation of Propane mounded tank & piping.
- Mahindra CIE, Cummins India Ltd - piping projects
- Mahindra CIE Decompression system installation, gas train, pressure regulating system design & installation.
- ABCDS Pirangut Biogas plant layout design.
- ABCDS Pirangut sprinkler system design
- CRPL Ghatkopar biogas plant layout design.
- Maharashtra Natural Gas Ltd – HDPE, GI, MDPE Piping.

Previous Organisation :-

Company Name: Hi-tech Engineers Pvt. Ltd. Ahmednagar.

Designation: Design Engineer.

Tenure: 3rd May, 2014 to 3rd Nov, 2015.

Software used: Solid Edge, solid works and AutoCad.

Roles & Responsibility:

- Detailing of Boiler, pressure vessel, process equipments, with concept of modelling, detailing, assembly, drafting using autocad, solid sdge.

- Preparation of G.A. layouts, piping layouts, tank fabrication drg, ducting, platform, column, railing, grating, structure, pressure part drg, isometric piping drg, saddle for tank.
- Preparation of piping and instrumentation diagram, process flow diagram, bill of material (BOM), weight calculation
- Selection of flanges, pipes, fittings, materials, plates, flates, angle, beam, channel, gaskate, supports, valves.
- Checking BOM, piping routing, P&ID, GA drg, support arrangement, flow direction, welding symbols.
- Preparation of drg as per fabrication process, welding at production shop.
- Drg. study, drg. checking, drg. modification based on new technology and detailing.
- Responsible for planning and estimation of time required to complete the work.
- Documentation such as product manual, PR, ISO documentation , job register, 5 'S', KAIZEN.

Projects completed :-

- Shreenath Mhaskoba Sakhar Karkhana Ltd, Daund.
Details: Water tube Boiler-32TPH, 45 Kg/cm², 450 ± 10⁰C
- Mula shugar factory, Ahmednagar.
Isometric piping drg for replacement of total piping drg.

Professional Training :-

- Inplant training in LLOYDS STEEL INDUSTRIES LTD, WARDHA from dated 8th May to 23rd May, 2012.

Software Skill

Course completed : Certified CAD Engineer
Institution : CADCAMGURU Solutions Pvt. Ltd, Pune.
Duration : 6 months

Software Skill	Competency
Solid Works, Autocad, Solid Edge, ProE, Autodesk Inventor, UG-NX, Catia	Part Modeling, Assembly, Surfacing, Drafting, SheetMetal, Top down & Bottom up assembly, Drafting, GD & T

Academic Background

Course	College /University	Year	Percentage (%)
BE(Mechanical)	Nagpur University	2013	67.07%
HSC	S. M. Udgir	2009	67.33%
SSC	S. M. H. Udgir	2007	77.53%

BE Project and Seminar

- Automation by Cam in Press Working.
Description: On this m/c we can do operations like punching, bending, Forming. Using this m/c we can increase production rate and reduce time and maintenance cost.
- Mini project on Moving steering with headlight.
Seminar on Automation by cam in press working.

Extra Curricular Activities

- Participated in competition of project exhibition (Moving Steering with Headlight) in Innovations & Inventions 2011.
- Participated in National Service Scheme 2011-12.
- Industrial visit in Purti sugar factory, Wardha.
- Participated in Workshop on secrets of successful entrepreneurship.

Personal Details

Name : Gajanan D. Biradar
Date of Birth : 1st Aug, 1991
Address : Kothrud, Pune-411038 .
Languages : Marathi, Hindi, English.
Relocate : Anywhere in India

Place: Pune

Date: / /2018

Gajanan D. Biradar