

RESUME

PERSONAL DETAILS:-

Name: - AMRUTA. R. PATIL
Position: - Design Engineer (stress) at Reliance industries ltd.
Qualifications: - B.E. (Chem.), PGD (Plant Design &Piping Engg).
Specialization: - Piping Stress Analysis.
Date of Birth: - 8th April 1989.
Contact Details: - Mobile no:-+91 7720081788, +91 8433707943.
Email-id: - dhakeamruta@gmail.com
Nationality: - Indian.
Passport no:- M0794738.
Marital Status:- Married.
Address :- Flat no- B/208, Mansarovar building, chincholi phatak,
Malad(W), Mumbai-400064.
Total Experience: - 5.7 years.

PROFILE:-

- A good team player with quick learning capabilities and positive attitude.
- Excellent interpersonal, verbal and written communication skills.
- Proficient with **CAESAR-II Ver 5.1, 5.2,6.1,6.3,7, Nozzle Pro.**
- Strong analytical and arithmetical ability.
- Familiar with AUTO-CAD, Navis Works, PV-Elite, Smart plant Review.
- Knowledge of International Piping Codes / Standards.

JOB RESPONSIBILITIES:-

- Preliminary stress analysis, piping design validation, participation to design reviews.
- Critical line list preparation.
- Stress critical system formation (P & ID Mark up).
- Detailed static calculations of piping connected to high pressure vessels, furnaces, air-coolers, shell & tubes exchangers, tanks, pumps, centrifugal compressors, turbines, PSV lines.
- Identification, calculation and design of suitable standard or special pipe supports.
- Evaluation and transmission of equipment nozzle loads.
- Flange leakage calculation by NC method and Pressure Equivalent method.
- Transmission of loads on steel and concrete structures.

- GRP/ FRP Piping stress analysis.
- Special Material Database Preparation to use in CAESAR II.
- Preparation of spring specification.
- Nozzle load qualification as per WRC 297/107, API 650 for Pressure Vessels.
- Report Documentation of stress systems.
- Familiarity with international standards as ASME B31.3, B31.1 and VIII Div1 /2; API 610, 617, 618, 661 and 560; NEMA SM-23; WRC 107 and 279.
- Civil loading of cryogenic lines on shore area, trussle area & Jetty area.
- Preparation of MTO of Craddle Supports.
- Actively involved in plant troubleshooting problems and exciting supports related Problems.

WORKING EXPERIENCE:-

COMPANY	TENURE	PROJECT	TPOLOGY	CLIENT	ROLE
1. Reliance Industries Ltd, Mumbai.	5th May 2015– Till date.	MOC work for DTA, SEZ.	Refinery	Reliance Industries, Jamnagar	Piping Stress Engineer, at site support office
		DTA HNUU PLATFORMER	Refinig And Petrochemical Heavy Naptha Unionfining reactor (HNUU) platformer unit	Reliance Industries, Jamnagar	Piping Stress Engineer
2. Burns & McDonnell, Powai, Mumbai.	2 nd December 2014 – 18 th March 2015.	M&G RESINS USA, LLC, JUMBO PROJECT	Petrochemical plant	Reliance Industries, Jamnagar	Piping Stress Engineer
3. Toyo Engineering India Ltd, Kanjurmarg, Mumbai	5th June 2014 – 30th November 2014.	LNG Mundra	Energy, Gas & LNG Liquefied Natural Gas	Gujarat State Petroleum Corporation LNG Limited	Piping Stress Engineer
4. Techint India Pvt Ltd, Thane, Mumbai.	18th March 2014 – 30th May 2014.	BUT Isomerization (C4)	Petrochemical Project	-	Piping Stress Engineer

COMPANY	TENURE	PROJECT	TYOLOGY	CLIENT	ROLE
5. UHDE INDIA PVT LTD,Vikhroli, Mumbai.	18th Feb 2013 – 18th March 2014.	BASF The chemical company	Agriculture Plant	BASF The chemical company.	Piping Stress Engineer(GRP/FRP Piping stress analysis)
		CFI Donaldsonville	Nitrogen Plant	CF Industries, Donaldsonville	Piping Stress Engineer
6. FLEXITECH CONSULTANT PVT LTD,Thane, Mumbai.	24 Dec 2012 – 15 Feb 2013	-	Boiler lines	Thermax ltd	Piping Stress Engineer
7. SUMERU 108 ENGINEERING CONSULTANCY, Airoli, Navi Mumba	18 th Feb 2011 – 18 th Dec 2012.	ARABIAN CHLOR VINYL PROJECT	Petrochemical Project	Plastic on Europe, Netherlands.	Piping Stress Engineer(GRP/FRP Piping stress analysis)
		PARADIP REFINERY PROJECT (PDRP).	Oil & Gas Project	Indian Oil Corporation Limited/ Aker solutions	Piping Stress Engineer
		EVONIK Me5	Methionine plant	Jacobs Engineering Mumbai	Piping Stress Engineer
		CP Chem PROJECT	Petrochemical Plant	Jacobs Engineering Mumbai	Piping Stress Engineer

TRAINING COURSES:-

1. Post Graduate Diploma in Piping Design and Engineering From VIT Pune.
2. Completed 15 days In Plant Training from 23th June 08 to 6th July 08 in MADHUKAR SAHAKARI SAKHAR KARKHANA LTD Faizpur.

Activities performed during the period are as follows

- Study of all processes & operations.
- Study of sugar manufacturing as well as alcohol manufacturing process.
- Study of waste solid and water treatment.

PERSONAL SKILLS:-

Information Technology Expertise in using: Windows, Linux, Office Automation,
MS office, Caesar II – Piping Stress Analysis

EDUCATION:-

2010 Post graduation diploma in Plant Design &Piping Engineering From VIT Pune.

2009-10 BE CHEMICAL from K.K.Wagh I.E.E & R, Nashik,
University of Pune with First class.

ADDITIONAL INFORMATION:-

Willing to Travel:- Open to short business trips (1-2 weeks duration, no more than 20-30% of working year)

Permanent relocations in Gulf countries are accepted

Personal Interests:- Badminton ,project management, finance, classic movies.

DECLARATION:-

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Mumbai

Date: __/__/2016

(Amruta R Patil)