**MUHAMMED RIJAS M** Phone : +917559069857

**PIPING/PIPELINE ENGINEER** E-Mail : [m.rijas.m2000@gmail.com](mailto:m.rijas.m2000@gmail.com)

**OBJECTIVE**

To associate myself with a company that values trust and honesty where I can contribute my technical, creative and management skills for the growth and fulfillment of the company’s mission.

**PROFILE**

* Completed oil field engineering & quality control from induscan petroleum institute, Nilambur, Kerala
* Completed post graduate diploma in Piping engineering from ASTS,cochin ,Kerala
* **9 years** of working experience in **PIPING/PIPELINE ENGINEERING & CONSTRUCTION**
* Completed Diploma in Mechanical Engineering from Govt: Polytechnic College, Ezhukone, Kerala

**TECHNICAL SKILLS**

Proficient in

* Construction and quality control activities specified in the drawing and applicable standards
* Preparation of Bulk MTO from P&ID
* Preparation of Construction Isometrics
* Preparation of GA
* Checking of Isometric drawings
* Preparation of Final MTO
* Pipe rack design and layout preparation
* Tank farm design and layout preparation
* Pressure part calculation

Knowledge of

* ARAMCO,PDO Standards & Specification.
* Conversant with International Codes and Standards like ASME/ANSI, ASTM, API, & BS
* ASTM Numbers of materials
* Piping components and their use
* Familiar with Metallic (Carbon steel, Carbon Steel-PTFE/ Ductile Iron/ Cement/ FBE lined, Low alloy steel, Stainless steel, Duplex stainless steel, Hastelloy, Inconel,monel and Alloy20) and plastic piping (PVC,C-PVC, HDPE,and GRP)
* Welding process such as SMAW, GTAW, GMAW, FCAW, SAW, ERW...etc
* Distillation column design and layout preparation
* Process Equipments and instruments
* Preparation of Valve data sheets
* Utility station location and piping arrangement
* Control station location and piping arrangement
* Pump suction and discharge piping
* Flare line design
* arrangement of Heat exchanger ,tank,compressor,boiler& pressure vessel
* Pipe supports

Familiar with

* PDS smart plan for 3D model review
* WPS,PQR & selection of electrode.
* Plot plan development
* ASME B 31.1,31.3,31.4,31.8 and all other piping related codes and standard

**SOFTWARE SKILLS**

* PDMS
* CAESAR II
* AutoCAD, Micro station, CAD WORX
* MS Office,Excel

**DETAILED PROFESSIONAL EXPERIENCE**

**Project Details**

# APR 2018 – JUNE 2020 : SEEH AL SARYA ENGINEERING LLC,OMAN

**CLIENT : PDO**

**POSITION : PIPELINE ENGINEER**

**Roles & Responsibilities:**

* Execution and Installation of Mechanical and Civil related activities as per contractor’s requirement.
* Demonstrate commitment consistently by personal participation in HSE activities.
* Empower staff/employees to work safely, without harming health and in as environmentally friendly manner.
* Confirm availability of HEMP register for projects activities, enforce implementation of HEMP control.
* Strictly adhering to permit to Work systems.
* Provide safe work environment, vehicle, tools, equipments, facilities and other resources required.
* Ensure implementation of safe working standards, procedure and other applicable requirement in the projects.
* Monitor activities at sites for non-conformities and effectiveness of supervision, advice corrective and preventive action.
* Lead/participate in incident investigations, report within the time frame and implement action to prevent re- -occurrence.
* Maintain arrangements to handle emergencies, conduct regular drills to confirm preparedness.
* Establish communication with customer representative for action in case of an emergency and incidents.
* Discuss audit finding with the team, implement corrective/preventive actions and initiate response for CAR close outs.
* Stop work immediately when violation are identified, conduct work stoppage and agree the safe way forward with the team.
* Participate in projects HSE performance review for adequacy of planned arrangements aiming at continual improvement
* Ensure projects are executed in line with PDO Specification, Procedure and ERD.
* Supervise advice and guide the discipline staff to ensure that their work is of the required quality and HSE. Highlight the issues that may arise in priorities, workload, competency etc.
* Reporting progress on projects to client in timely manner, highlighting issues which could impact on quality, cost, schedule and HSE matter.
* Exercising control over manpower and material resources in order to execute the projects within budget, schedule, quality and HSE requirements.
* To develop the scope of work handed over by the main contractor for each projects to achieve the specified deliverables.
* Exercising change control and variance control on each projects.
* To monitor the HSE performance of all construction contractor in the area (against the Project and Contract HSE plan) and ensure that all work site under his control are operating in safe manner.
* Preparation of scope & Execution of work.
* Coordinate various N.D.T tests like radiography, magnetic particle test, ultrasonic test etc.
* Members to do work in safe manner.

# OCT 2016 – DEC 2017 : Onshore Construction Company Pvt Ltd,India POSITION : PIPING ENGINEER

**Roles & Responsibilities:**

* Execution and Installation of Mechanical and Civil related activities as per contractor’s requirement.
* Demonstrate commitment consistently by personal participation in HSE activities
* Empower staff/employees to work safely, without harming health and in as environmentally friendly manner
* Provide safe work environment, vehicle, tools, equipments, facilities and other resources required
* Ensure implementation of safe working standards, procedure and other applicable requirement in the projects
* Monitor activities at sites for non-conformities and effectiveness of supervision, advice corrective and preventive action
* Lead/participate in incident investigations, report within the time frame and implement action to prevent re- -occurrence
* Maintain arrangements to handle emergencies, conduct regular drills to confirm preparedness
* Establish communication with customer representative for action in case of an emergency and incidents
* Discuss audit finding with the team, implement corrective/preventive actions and initiate response for CAR close outs
* Stop work immediately when violation are identified, conduct work stoppage and agree the safe way forward with the team
* Participate in projects HSE performance review for adequacy of planned arrangements aiming at continual improvement
* Ensure projects are executed in line with Client Specification, Procedure.
* Supervise advice and guide the discipline staff to ensure that their work is of the required quality and HSE. Highlight the issues that may arise in priorities, workload, competency etc.
* Reporting progress on projects to client in timely manner, highlighting issues which could impact on quality, cost, schedule and HSE matter
* Exercising control over manpower and material resources in order to execute the projects within budget, schedule, quality and HSE requirements.
* To develop the scope of work handed over by the main contractor for each projects to achieve the specified deliverables
* Exercising change control and variance control on each projects
* To monitor the HSE performance of all construction contractor in the area (against the Project and Contract HSE plan) and ensure that all work site under his control are operating in safe manner.
* Submission and getting approval for As-Built.
* Preparation of progress report, monthly forehead planning.
* Preparation of scope & Execution of work
* Hydro testing of Piping
* Coordinate various N.D.T tests like radiography, magnetic particle test, ultrasonic test etc.
* Making permit for work accordance with safety standards and control the crew
* Members to do work in safe manner

# JUL 2015 – AUG 2016 : Petrocon Engineers & Consultant Pvt Ltd,India

**POSITION : PIPING ENGINEER**

**Roles & Responsibilities:**

* Execution and Installation of Mechanical and Civil related activities as per contractor’s requirement.
* Demonstrate commitment consistently by personal participation in HSE activities
* Empower staff/employees to work safely, without harming health and in as environmentally friendly manner
* Provide safe work environment, vehicle, tools, equipments, facilities and other resources required
* Ensure implementation of safe working standards, procedure and other applicable requirement in the projects
* Monitor activities at sites for non-conformities and effectiveness of supervision, advice corrective and preventive action
* Lead/participate in incident investigations, report within the time frame and implement action to prevent re- -occurrence
* Maintain arrangements to handle emergencies, conduct regular drills to confirm preparedness
* Establish communication with customer representative for action in case of an emergency and incidents
* Stop work immediately when violation are identified, conduct work stoppage and agree the safe way forward with the team
* Participate in projects HSE performance review for adequacy of planned arrangements aiming at continual improvement
* Ensure projects are executed in line with Client Specification, Procedure.
* Supervise advice and guide the discipline staff to ensure that their work is of the required quality and HSE. Highlight the issues that may arise in priorities, workload, competency etc.
* Reporting progress on projects to client in timely manner, highlighting issues which could impact on quality, cost, schedule and HSE matter
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* To monitor the HSE performance of all construction contractor in the area (against the Project and Contract HSE plan) and ensure that all work site under his control are operating in safe manner.
* Submission and getting approval for As-Built.
* Preparation of progress report, monthly forehead planning.
* Preparation of scope & Execution of work
* Hydro testing of Piping

# JAN 2012 – FEB 2015 : BONATTI. S.P.A, SAUDI AREBIA

**PROJECT : YASREF, YANBU, KSA**

**CLIENT : SAUDI ARAMCO**

**POSITION : PIPING ENGINEER**

**Roles & Responsibilities:**

* Isometrics checking
* Piping MTO at various level
* Preparation of Material requisitions for bulk piping and special items.
* Technical bid evaluation of bulk piping and special items
* Vendor drawing review & approval
* preparing welding & traceability maps of piping isometrics
* Prepare, maintain and review technical documentation, such as drawings and specifications, BOQ, as per disciplines and be able to deliver basis of design.
* Provide preliminary engineering design scope where required
* Provide the required technical support to the site engineer and the project engineer whenever it is required.
* Resolving any unexpected Technical difficulties and other problems that may arise.
* Preparation of hydro test package
* Trouble shooting of piping related problems at site Supervision of piping fabrication and installation work.
* Attend Project progress review meetings.
* As-built drawing preparation.

# SEPT 2010 – OCT 2011 : JAYTHEY PETROTECH (JP) Pvt ltd, Kochi,India

# POSITION : PIPING DESIGN ENGINEER

**Roles & Responsibilities**

* Preparation of isometrics
* Piping MTO at various level
* Development of Plot plans/ Piping layouts.
* Pipe thickness calculation for piping and pipeline
* Attend Project progress review meetings.
* Preparation of Piping/ Pipeline Material Specifications and Standards
* Pipeline Road Crossing calculation/ Upheaval buckling calculation
* Preparation of Material requisitions for bulk piping and special items.
* Technical evaluation of bulk piping and special items
* Vendor drawing review

#### Projects Involved:

* **Petronas Marketing - Sudan**

PMSL Bulk Storage Depot Project

* **SEPOC- Yemen**

Raydan-CPU 16” Natural Gas Pipeline Project

* **PDOC- Sudan**

Melut Basin Oil Development Project

* **SEPOC- Yemen**

CPU-1 Cryogenic Gas Plant LPG Modification Project

1. **FEB 2010 – AUG 2010 - : SATHNAM GLOBAL INFRAPROJECT LTD, DELHI**

**PROJECT : GGSR REFINERY, PUNJAB**

**CLIENT : HMEL**

**EPC CONTRACTOR : L & T**

**POSITION : PIPING SUPERVISOR**

**Roles & Responsibilities**

* Supervision of piping fabrication & erection with the reference of drawing such as isometric , Piping GA & GAD
* Supervision of different type of pipe support such as rigid,hanger,spring(VLH,CLH),sliding..etc
* Schedule the job
* Arrangement of manpower on the basis of priority work.
* Arrangement of material required for particular job
* Submission of daily progress report
* Take part in project control meeting
* Coordinating with client for clarification in the pipe routing

1. **JUN 2009 – JANUARY2010 : TEXCEL ENGINEERS PVT LTD ,CHENNAI,INDIA**

**PROJECT : KORBA SUPER THERMAL POWER STATION**

**CLIENT : NTPC INDIA LTD**

**EPC CONTRACTOR : BHEL LTD**

**POSITION : PIPING SUPERVISOR**

**( LP PIPING IN CHARGE)**

**Roles & Responsibilities**

* Supervision of pipe fabrication ,erection & pipe support.
* Supervision of different type of welding such as SMAW ,GTAW. etc
* Schedule the job
* Preparation of proper low pressure pipe routing from P&ID by coordinating with client
* Arrangement of material for the particular job
* Controlling & arrangement of manpower not less than 150
* Submission of daily progress report
* Coordinating with client for clarification in the design and database
* Take part in project control meeting

**PERSONAL INFORMATION**

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: +91-475-2220680

E-Mail : m.rijas.m2000@gmail.com

**DECLARATION**

I hereby declare that all the information given above is true to the best of my knowledge and that I have taken extreme care in mentioning all of them.

MUHAMMED RIJAS M