***ARIF KHAN***

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***Summary***

Professional Mechanical Engineer with noteworthy experience in Projects as **INSPECTION ENGINEER in India and Abroad** in the field of Oil/Gas, petrochemical and Fabrication**.** Over **8+years** of extensive work experience in various constructions, inspections and testing practice with proven leadership capabilities and staff supervision.

***Objective***

Seeking a challenging role in the field of Inspection & testing of both Piping & Static Equipment with well-established and reputed organization, which offers scope for self-development, career advancement and stability.

***Professional Qualification and Certification***

* **BACHELORE OF MECHANICAL ENGINEER(B.TECH)**

JAIPUR ENGIEERING COLLEGE, JAIPUR (Rajasthan), India (2009-2013)

* Higher Senior Secondary (12th)
* **ASNT NDT Level II Certified in Following Methods-**

Radiographic Testing

Ultrasonic Testing

Magnetic Particle Testing

Penetrate Testing

Visual Testing

***Familiar about international codes & standards***

* ASMEB31.1, 31.3
* ASME Sec II, Sec V, Sec VIII Div. I & Sec IX
* AWS D1.1
* API 510, API 1104
* ASTM SA-587/ 578M

***Currently Working:-***

**Company - Bilfinger Babcock Borsig service Arabia, Dammam, KSA**

Designation - **Inspection Engineer**

Project - SEC, Qurayyah Power Plant

Duration - Aug 2021 to Sep 2023

***Jobs & Responsibilities***

* Thorough knowledge of combustion controls, burners, boilers, instrumentation for fire tube and water-tube boilers.
* Maintenance and handle work in Desalination and Intake Area.
* Familiar with combustion controls and instrumentations with fire tube and water tube boilers.
* Maintained the boilers and auxiliary equipments.
* Skilled in operating fire tube, water tube boilers and operating valves and pumps.
* Maintain of Fans (ID, FD, and SA), Blowers, Control valves, Motorized and Inching valves (Main Steam stop valve) and other drives to run the plant.
* Maintain & Inspection Economizers, **Boiler furnace, Water Tube Boiler,** Boiler Feed Pump (BFP), Feed Water Pump, **Forced draught fan**(FD fan), **Induce draught fan** (ID fan)**, Chimney, Super-heater, Re-heater, Air Pre-heater, Deaerator.**
* [Maintain the Components of a Boiler](https://powerhouse-combustion.com/components-of-a-boiler/#h-the-main-components-of-a-boiler)- Burner, [Combustion Chamber](https://powerhouse-combustion.com/components-of-a-boiler/#h-combustion-chamber), [Heat exchanger](https://powerhouse-combustion.com/components-of-a-boiler/#h-heat-exchanger-nbsp)and [other Components of a Boiler System](https://powerhouse-combustion.com/components-of-a-boiler/#h-the-other-components-of-a-boiler-system)- Circulator pumps, [Controls](https://powerhouse-combustion.com/components-of-a-boiler/#h-controls), [Deaerators/Condensers](https://powerhouse-combustion.com/components-of-a-boiler/#h-deaerators-condensers), [Economizer](https://powerhouse-combustion.com/components-of-a-boiler/#h-economizer), [Exhaust stack](https://powerhouse-combustion.com/components-of-a-boiler/#h-exhaust-stack), [Expansion Tank](https://powerhouse-combustion.com/components-of-a-boiler/#h-expansion-tank), [Supply lines,](https://powerhouse-combustion.com/components-of-a-boiler/#h-supply-lines-nbsp)[Refractory,](https://powerhouse-combustion.com/components-of-a-boiler/#h-refractory-nbsp)[Return line and](https://powerhouse-combustion.com/components-of-a-boiler/#h-return-lines-nbsp)[Super-heater](https://powerhouse-combustion.com/components-of-a-boiler/#h-superheater).
* Operated three High-Pressure Water tube boilers and maintained all state requirements for safety and safe operation.
* Maintained Boiler Room daily records and Monitored AHUs and vital areas via computer.
* Provided vibration analysis and balancing using the single plane method on rotating machinery.
* Taken pressure gauge readings, operate chillers and clean out and drain cooling towers, taking the chemicals
* Carried out repairs to restore system functionality and Tested repaired systems to verify that functionality has been restored.
* Responsible for calling in on-call employees and vendors for urgent repairs and determining when and if the situation requires urgent attention.
* Maintained records of boiler operation and made adjustments as needed to keep equipment running smoothly.
* Handled various management reports and Ensured smooth monthly/quarterly/Annual closing and management reporting.
* Performed various People related analyses e.g. Headcount, Utilization, Time Sheet compliance and independently performed/prepared ad-hoc tasks/reports.
* Supported team leads in various special projects undertaken from time to time.
* Contacted supervisor concerning potentially dangerous equipment or safety violations.
* Inspected boilers to make sure they are safe to operate and performed repairs as needed.
* Addressed any problems with boiler systems and notifies maintenance when needed.

***Experience Profile (Previous)***

**Company - VCS Quality Services Pvt. Ltd. Mumbai**

Designation - **Inspection Engineer**

Project - NRL, Golaghat, Assam (shutdown)

Duration - Oct2020 to June 2021

**Company - COSMOS Pvt. Ltd, Vizag**

Designation - **QC Inspection Engineer**

Project - HPCL Vishakhapatnam (shutdown)

Duration - Oct2019 to Dec2019

**Company - Royal service Surat, India**

Designation - **Inspection Engineer**

Project - RMS Industries, Hazira (Project)

Duration - Feb 2018 to Aug 2019

***Jobs & Responsibilities***

* Participating in any root causes analysis of defects, process improvement initiatives or other tasks teams in support o company objectives.
* Working activities involving NDT inspection of structural & pipe weld joints. Chord & Rack, Bottom plate, Inner Bottom plate, Transverse Frame, Docking Plug, Dock plate (Hull Weld Joints)
* Distributing work among workers/Helpers, according to working program prepared by Field Supervisor
* General maintenance of Static equipments (Shell & Tube heat exchangers, Fin Fan coolers, Valves, Columns, vessels, Reactors, Tanks and pipe lines).
* Hydraulic/Pneumatic Testing of valves, PSV, Vessels, Exchangers and Pipe.
* Maintenance and servicing of all types of Valves, Steam traps and valve actuators and Calibrated as per Manufacture Requirements.
* Planning the jobs, arranging work permits and other department assistance.
* Preparation of failure reports and major overhauling reports and maintaining equipment history sheets.
* Planning & execution of preventive, condition monitoring and shutdown jobs.
* Inspection, preventive, breakdown maintenance, overhauling of plant equipments.
* Exposure to Permit to work system & safety inspection & implementation of safety plans / procedure of the Organization.
* Troubleshooting of site technical issues in discussion with engineering team.
* ISO-Clearance, Mechanical Clearance & Box-up of Loops.
* Spool Cleaning & Flushing of loops, Leak testing of Loops.
* Preparation and updating of piping test package data base and reports in co-ordination with Field Engineering Team.
* Preparation of weekly reports for test package meetings and minutes of meeting.

***Experience Profile***

**Company - Cosmos Engg.Pvt Ltd. Vizag**

Designation - **Inspection Engineer**

Project - HPCL, Vishakhapatnam (Shutdown)

Duration - Oct 2017 to Dec 2017

**Company - Aarvi Encon Pvt Ltd., Delhi**

Designation - **Inspection Technician**

Project - Indian Oil Corporation Ltd.,Haryana(Shutdown)

Duration - July 2017 to Aug 2017

**Company - Aarvi Encon Pvt Ltd., Mumbai**

Designation - **INSPECTION ENGINEER**

Project - Reliance Manufacturing Division Nagothane, Maharastra(Shutdown)

Duration - May 2017 to June 2017

**Company - GOPINATH ENGINEERING CO.PVT. LTD. Mumbai**

Designation - **QC Inspection Engineer**

Project - Hindustan Petroleum Corporation Ltd. Mumbai(Project)

Duration - Aug 2016 to April 2017

***Jobs & Responsibilities***

* Maintenance and servicing of Boilers, Heat exchangers, Vessels, Reactors, columns internals, Cooling Towers, Fin-Fan Coolers, Filters and Storage tanks.
* Towers, Columns and Tray fixing - Mixed bed, lift check tray, sieve trays (2, 4, 8 passes) and alignment and fabrication working knowledge about column TSR**.**
* Knowledge about Storage Tank Base elevation calculation update, as per National Survey Data
* Assist with Heavy Equipment and Riggers for carrying the material and equipments
* Knowledge and worked about NDT and working of UT, MT, RT, DP tests
* Thickness measurement of Pipe lines and Vessels with Ultrasonic thickness Gauge
* Column tray fixing and alignment working knowledge about column TSR**.**
* Documentation of Equipment Maintenance History records, Spare part consumptions, yearly Budgeting of maintenance cost, Plant down time calculation and Technicians time sheets
* Review Inspection and test plan (ITP) and Inspect as per approved.
* Review of Method Statements submitted by the sub-contractor.
* Supervision and Coordination of all on-stream and Shutdown inspection\NDT activities of plant Equipments, piping, pipelines.
* Carrying out through visual inspection complemented with NDT examination on Pressure Vessels, Exchangers, fin fan coolers, process piping system and ground storage tanks, Refractory.
* Reviewing of NDT reports and corrosion analysis (remaining service life calculation based on corrosion rates).
* Preparation of inspection reports/certificates with all finding, abnormalities and recommendation.
* Witnessing of pressure relief valves calibration and testing.
* Review of WPS, PQR, NDT, PWHT, PMI procedures & qualification of NDT technician.
* Witness quality inspection of piping spools at different stages and different type of supports.
* Ensuring of pre- weld inspection like dimension fit-up and welds preparation in accordance with Approved drawings and WPS.
* Preparation of hydro test package and submitted to client.
* Responsible to see that the assigned job is timely completed as per the project schedule.
* Inspection of pipe fittings, valves & gaskets.
* Witness visual, dimensional and NDT Inspections.
* Review PMI, PWHT Reports.
* Witness the pressure testing (Hydro & Pneumatic) of piping, Pressure Vessel, Heat-Exchanger, Dryer system accordance to the Test procedure and diagram.
* Preparation of final inspection reports, Maintain and update all inspection files as needed.

***Experience Profile***

**Company - FLAW TECH INSPECTION SERVICES, HYDERABAD**

Designation - NDT TECHNICIAN AND CO-ORDINATOR

Client - Desai Fabricators, Hyderabad

Duration - June 2014 to July 2016

***Job & Responsibilities***

* Exposure to Permit to work system & safety inspection & implementation of safety plans / procedure of the Organization.
* Selection and Issue of require materials as per the Drawing and codes.
* Familiar with various piping materials like Stainless steel, Alloy steel, Carbon steel, Low Temperature Carbon Steel etc.
* In coming material inspection with TCs
* On line fabrication inspection, like fit up, alignment, welding visual etc. during fabrication of vessels, heat exchangers, piping spools, structural items.
* Conducting and monitoring the NDE inspection like UT, PT, MT, and Visual.
* Monitoring and reviewing the PWHT heart treatment report and operation.
* Performing the welder’s qualification test.
* Maintaining the ITP /QP, records.
* Maintaining the Welders qualification records, PQR, WPS, WPQ, welders list.
* Witnessing the hydro test, other leak tests.
* Preparing the final documentation of the equipment.
* Maintaining the site complainant register and attending the same at appropriate time.
* Updating the QMS, quality manual, calibration records, NDE reports, PWHT reports, Hydro reports, and weld maps.
* Facing ISO and ASME audits and Audit records maintenance.
* Maintaining the Codes and standards, specifications, inspection procedures.
* I am moderately conversant of International codes and standards like ASME SEC.-V, VIII, IX, and ISO.

***Computer knowledge***

* M.S. Word, Office
* SAP
* RKCL(Computer Based)
* Excel
* AutoCAD

***Personal Profile***

Contact No. : **+91-9887213218**, +966-572567353

Permanent Address : Ward no.1, Sahriya Bass, Ladnun, Dist-Nagaur, Rajasthan (India)

Contact No. (Home) : +91-9001062525

Marital Status : Married

Date of Birth : 11Sep, 1993

Passport No. : M 0660583

Expire date : 05 Aug 2024

Nationality : Indian

***Personal Strength***

Sincere, hardworking, capable of taking independent decision and handling critical situations, Self motivated, quick learner, enthusiastic, ability to work independently or as a team.

I hereby declare that all the information is true to the best of my knowledge. I hope you will consider my C.V. and my ability**.**

Thanks & Regard

**Arif Khan**