

AJU KOSHY MATHEW

B.E.MECHANICAL ENGINEER
QA/QC INSPECTOR- (WELDING/PAINTING)
AWS-CERTIFIED WELDING INSPECTOR



Abu Dhabi, UAE



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EXPERIENCE SUMMARY

Results-orientated and highly motivated Mechanical Engineer with more than **6+ years'** experience in **Quality assurance/Quality control inspections** on petrochemical and oil & gas construction projects. Primary inspection responsibilities are **monitoring, supervising and appraising** the Contractor's/Sub-contractor's fabrication, construction, maintenance and repair performances in the area of quality control, including evaluation of materials and procedures in accordance to applicable project specifications. Such inspection responsibilities includes monitoring and checking in the quality works in the areas of **mechanical, structural, piping, welding, fired heater, pipelines, tanks, protective coatings and linings, blasting and painting, non-destructive testing and destructive testing**, civil and electrical. Prepare inspection reports and issue non-conformance reports as required. Other responsibilities are supports to handover of documents; assist in the implementation of safety and environmental protection programs; provides data required on project progress; and good communication to others.

EDUCATIONAL QUALIFICATION

2011-2015 **B.E. Mechanical Engineering**
The Rajas Engineering College, Tamil Nadu
Anna University, Chennai

TECHNICAL QUALIFICATION

- **ASNT NDT Level II Certified In:**
 - Radiography Test(RT)
 - Penetrant Test(PT)
 - Magnetic Particle Test(MT)
 - Ultrasonic Test(UT)
- **AWS - Certified Welding Inspector**
(CERTIFICATION NO.17010291)
(ISSUE: JAN 2017 - EXP.: JAN 2023)
- **QA/QC Engineering**
- **Welding Technology**
- **Process piping & quality control engineering(ASME B31.3)**
- **Piping Inspector**

ORGANIZATIONAL EXPERIENCE:

EXPERIENCE 7

Company : **LONESTAR TECHNICAL & INDUSTRIAL SERVICES L.L.C.,UAE**
Client : **ADNOC/BOROUGE**
Project : **Crude Flexibility Project (CFP),RRW/Samsung Engg.(Present)**
Polypropylene Project-PP5 (Maire Tecnimont)
Designation : **QA/QC Welding Inspector**
Duration : **December 2020 to Till Now**

EXPERIENCE 6

Company : **S.J. CONSTRUCTION,PUNE**
Client : **Indiana Gratings Pvt.Ltd./HPCL,Vizag**
Project : **The Fabrication And Erection Of Piping & Structural Steel Works.**
Designation : **QA/QC Engineer(Mechanical/Welding)**
Duration : **September 2019 to September 2020**

EXPERIENCE 5

Company : **TUV-NORD MIDDLE EAST, KUWAIT**
Client : **MINISTRY OF PUBLIC WORK (MPW) KUWAIT, KNPC, GULF CONSULTANT, FOSTER+PARTNER, LIMAK INSAANT, PACE & KHALIDH ALI AL KARAFI & BROS.CO.**
Project : **Kuwait International Airport New Passenger Terminal-II**
KNPC Clean Fuels Projects, Kuwait University Project
Location : **KUWAIT**
Designation : **MECHANICAL INSPECTOR VI-ISD (Welding/Painting/Mechanical)**
Duration : **April 2019 to August 2019**

EXPERIENCE 4

Company : **NEO STRUCTO CONSTRUCTION PVT. LTD. ,SURAT**
Client : **Hindustan Petroleum Corporation Limited(Visakh Refinery)**
PMC : **Engineers India Limited & Technip FMC India Limited**
Project : **EPCC-5 PACKAGE FOR REVAMP UNITS (NHT-CCR,DHT)**
DHT-unit expansion, CCR heater erection
Location : **Hindustan Petroleum Corporation limited,**
Vishakhapatnam, Andhra Pradesh
Designation : **QA/QC Engineer(Welding/Painting)**
Duration : **October 2018 to March 2019**

EXPERIENCE 3

Company : **PJ JOSHI ENGINEERING CONTRACTORS**
Client : **Indian Oil Corporation Limited, Vadodara, Gujarat**
PMC : **Thyssen Krupp Industrial Solutions (India) Ltd.**

EPC :Tecnicas Reunidas S.A. India
Project :Fired Heater Project and Pipeline (Fabrication & Erection),
Fabrications of Pipes and Structure Materials
Location :Ishan Fabrication Yard, DHDS BS-IV IOCL Vadodara, Gujarat
Designation :QA/QC Engineer(Mechanical/Welding/Piping)
Duration :October 2016 to August 2018

EXPERIENCE 2

Company :S.J. CONSTRUCTION(main co.GANNON DUNKERLEY & CO.LTD.)
Client :Reliance Industries Ltd.(Jamnagar Refinery), Gujarat
Project :J 3- Project (Petrochemicals & Refinery Expansion Project)
The Fabrication And Erection Of Piping &
Structural Steel Works
Designation :QA/QC Engineer(Mechanical/Welding)
Duration :October 2015 to September 2016

EXPERIENCE 1

Company :UNITED NDT TRAINING & INSPECTION CENTER,ERNAKULAM
Job Detail/Project: Successfully performed NDT (Non-Destructive Testing) in
Fabricating structural & pipe, Successfully performed welding inspection, and
clear idea of weld joint geometry, welding process & defects, Followed ASME &
AWS standards and diligently assured all standards were being met, Extensively
helped the engineers with prepare documentation and recording, Maintained
friendly and work related relations with company.
Designation : Internship/Trainee (Mechanical/Welding/Piping/NDT)
Duration : April 2015 to September 2015

JOB RESPONSIBILITIES

- Review of quality assurance plan (QAP) and inspection test plans (ITP).
- Witness, evaluation, documents preparation, review and stamping for Welding Inspections, NDT activities, PMI, PWHT, Hardness testing, Test package clearance Hydro test, and Blasting & Painting Inspection (DFT) on daily basis of jobs.
- Actively participates in dealing with clients, regarding quality control and quality assurance.
- Verifies quality progress (KPI & DPR) and prepares daily/weekly progress reports.
- Maintain QA/QC records as necessary for tracking of all inspection activities.
- Co-ordination and send to Request for Inspection (RFI) to Client and Third Party Inspection.
- Weld visual inspection and NDT inspection carried out on daily basis of jobs

- Participate in the preparations of work procedure and work instructions, related to mechanical, welding, NDT activities, PWHT, test packages, painting, punch list clearance, dossier submission (construction) & mechanical clearance (MC).
- Co-ordination, witness, document preparation & review for punch list (PL1&2) clearance, test package (hydro test & flushing), dossier submission (construction & pre-comm) & mechanical clearance (MC) (completing all hot and cold works) as per client spec. /refer standards (ASME SEC.B31.3,SEC VIII,II,V).
- Monitoring consumables, Electrode storage(Size, Type, Condition) and usage, Welding equipment's etc. as per project specification.(ASME SEX II Part C)
- Analysis of structural, piping, fittings, valves & flanges, equipment and other accessories in drawings. (Isometric drawings, P&ID, D&ID, General arrangement drawings etc.).
- Development and implement of work instructions for fit up, tack weld, weld inspection and repair (before, during & after)
- Inspection before welding: Make sure applicable PQR&WPS, process type, welder qualifications, check Edge/Weld preparations as per WPS, correct preheat applied; Method of cutting, dimensional, fit up, alignment, root gap, bevel angle, groove angle as per approved WPS ,drawings, project specifications & approved procedures from client.(refer: ASME SEC IX ,ASME B 31.3,ASME SEC VIII DIV I, ASME Sec. II,ASME SEC V,API 1104,AWS D1.1)
- Inspection during welding: Weather conditions, process type, check welding parameters, maintain/check inter pass temperature as per WPS.
- Inspection after welding: Visual check, NDT requirements, identify repairs from assessment of visual or NDT reports, ferrite test ,hardness test, PWHT, and hydro test.
- Inspection for repair welding: Ensure repair procedure & NDT reports; Monitor excavation & removal defects.
- Preparation of PWPS,PQR, WPS, WPQR & welder ID cards of various Essential Variables for conformance to job specifications and requirements of codes (ASME IX, ASME SEC II,ASME B31.3,BS EN ISO 15614-1 & AWS D1.1)
- Conduct PQR, Welder's qualification test, Destructive and Non-destructive test
- Witness to the welder qualification (WQT) and monitoring all parameters as per WPS (current, voltage, traveling speed and heat input etc.)
- Monitor NDT (RT, UT, MPI and LPT) processes and RT film interpretation.
- Witness, evaluation, documents preparation & reviewing of blasted surface profile, salt contamination test and painting inspection as per SSPC, ISO 8501-1, NACE, work procedure & client specifications.
- Perform UT material thickness and DFT (dry film thickness) for paint thickness as per ASTM D1186/client spec.(BGS/DGS)
- Witness, evaluation, document preparation & review for raw material inspections(pipes(ASME B36.10), fittings(ASME B16.9), flanges(ASME B16.5 & B16.47) & valves) as per ITP/client specifications/ drawings/refer standards

ASME SEC II PART A&C/ASTM standards and ASTM equivalent EN,BS and ISO standards/ MTC,MIR,IMIR, Purchase order etc.

- Witness, evaluation, document review & stamping for all QA/QC lab activities (destructive test, chemical analysis test, HIC, SSC,SCC, IGC, etc.) for raw materials, consumables & PQR as per Client Spec., ASME SEC II Part A&C,SEC. IX
- Responsible for all inspection activities and final documentation as per client requirements.

ACHIVEMENTS

- Undergone in-plant training in Indian Rare Earth Limited (IREL)
- Approval of MPW (Ministry of Public Work, Kuwait)
- Approval of Maire Tecnimont/Borouge(**PP5 PROJECT,RUWAIS**)
- Approval of Sumsung Engineering & CBI (**CF PROJECT, RRW**)

COMPUTER SKILLS

- Microsoft office excel
- Microsoft office word
- Microsoft office power point

INTERPERSONAL SKILLS

- Good communication skills
- Ability to work in a team
- Leadership capabilities
- A quick learner

PERSONAL INFORMATION

Name	: Aju Koshy Mathew	Present Address: Shabiya-10, Musaffah
Father's name	: Koshy Varghese	Abu Dhabi, UAE
Date Of Birth	: 26 th June 1993	
Sex	: Male	
Religion	: Christian, Orthodox	
Nationality	: Indian	
Languages Known	: English, Hindi, Malayalam and Tamil	

PASSPORT DETAILS

Passport No	:	M9240204
Place of Issue	:	Trivandrum
Validity	:	22/05/2015 – 21/05/2025

DECLARATION

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

Date :

Place : UAE

Aju Koshy Mathew

