

# MUTHUKUMAR MURUGAN

QA/QC – Certified Welding Inspector / Piping

16/15A, Maada Street, Suchindram, Kanniyakumari District-629704

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## CAREER OBJECTIVE

A highly motivated young individual of combined experience in the field of Oil and Gas/ Petrochemical Engineering Construction works as a Quality Assurance, Controller and Inspection. A result-oriented person, high performer, flexible excellent inter-personal written and oral communication skills, familiar with the Engineering standards and computer literature.

## SUMMARY OF PROFESSIONAL EXPERIENCE

A degree in Mechanical Engineering and having professional certification a **CSWIP 3.1 (Welding Inspector)** and **ASNT LEVEL II** in **(PT, MPT, UT, RT and PMI)** over **3 years** of experience in a Heavy Fabrication industry (Static Equipment, Piping, Pipeline & Structural) and Plant Shutdowns related to Oil & Gas and Petrochemicals Industries.

- Ensure the effective implementation of the quality system procedure.
- Provide construction assurance support, performing and coordinating specific QA/QC audit activities to ensure that fabrication and construction deliverables comply with project specifications.
- Preparation Quality procedures & ITP / QAP.
- Conducting workshop inspection at Sub contractor places.
- Verify material and equipment received is meeting purchase order and specific requirements.
- Preparing and reviewing of all welding procedures and ensuring that proper WPS is used in a job parameter. Conducting WQT (Welder Qualification Test) as per WPS (Welding Procedure Specification).
- Visual examination of all welds and carrying out proper NDE as per customer approved NDE plans.
- Carrying out a stage wise inspection activities in the ongoing job, and ensuring that all the operations being carried out in the site are as per approved standards and codes.
- Ensuring that welders are properly qualified and proper consumables are used in the job.
- Closely monitoring the welder's individual performance. Strictly implementing the WPS & PQR's instructions and maintaining the parameters reports. Monitoring and controlling the repair percentage of each welder.
- Monitoring Shell rolling and Dish ends forming in Pressure vessels and Storage Tanks, Piping spools pre fabrication & erection inspection activities.
- Monitoring and witnessing NDT & PWHT activities.
- Review line/weld history sheet as per approved drawings.
- Final quality walk through and attending Quality review meeting regularly and exploring the solution for the site-oriented problems.
- Review test package with P&D and isometric drawings.
- Witness Hydro testing & Pneumatic testing.
- Conduct reinstatement of piping and equipment after pressure test, monitor internal cleaning a flange management system.
- Preparation and review of pre commission of dossiers.
- Co-ordination with Third Party Inspection agency.

**JOB PROFILE**  
**QA/QC INSPECTOR (Welding/ Static Equipment/ Piping)**

<b>Qualification Awarded</b>	<b>School/Institute</b>	<b>University/ Board</b>	<b>Percentage</b>	<b>Year of Completion</b>
B.E. Mechanical Engineering	Cape Institute of Technology, Tirunelveli	Anna university	68	2016
HSC	Sree Narayana Guru Matric Hr, Sec School, Kottar (TN)	TamilNadu State board	71.41	2012
SSLC	Sree Narayana Guru Matric Hr, Sec School, Kottar (TN)	TamilNadu Matriculation Board	83.6	2010

**CERTIFICATION**

- **CSWIP 3.1 (WELDING INSPECTOR)**  
**Identity Card Number : 734967**
- Certified as **ASNT Level II** personnel in Nondestructive Testing as per **SNT-TC -1A** for following methods
  - Penetrant Testing (**DPT**)
  - Magnetic Particle Testing (**MPT**)
  - Ultrasonic Testing (**UT**)
  - Radiography Testing (**RT**)
  - Positive Material Identification (**PMI**)

**TRAINING**

- In plant training at **Koodankulam Nuclear Power Station- Koodankulam**

## EXPERIENCE SUMMARY

### **INDIA EXPERIENCE:**

**VARIFAB ENGINEERING PVT LTD**

**JUNE 2016 TO AUGUST 2017**

DESIGNATION : QC ENGINEER (PRESSURE VESSELS)  
CLIENT END USER : CCD TECHNICAL SOLUTIONS PVT LTD, FLOWSERVE PTE LTD, MILTON ROY

### **GULF EXPERIENCE:**

**INTEGRAL SERVICE COMPANY CO [ISCO]**

**MAY 2018 TO MAY 2019**

DESIGNATION : QC INSPECTOR (WELDING/NDT/PIPING)  
CLIENT END USER : KOC , KNPC , KIPIC, KUWAIT NEW INTERNATIONAL AIRPORT TERMINAL-2

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#### **CLIENT**

Mechanical Contracting Company (MECC)  
Naser-M-Al-Baddah company (NBTC)  
Tecnicas Reunidas (tr)  
Sinopec fifth construction  
Arabi Enter Tech (ATech)  
Integral Service Company WLL (ISCO)

#### **END USER**

Kuwait Oil Company (KOC)  
Kuwait National Petroleum Company (KNPC)  
Kuwait Integrated Petroleum Industries Company  
Kuwait Integrated Petroleum Industries Company  
KUWAIT OIL COMPANY (KOC)  
KUWAIT OIL COMPANY (KOC)

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### **India Shutdown Work Experience**

**October 2017 to May 2018**

Company Name : Welspun India LTD, Gujarat, India  
Designation : QC Inspector (Structural)  
Duration : October 2017

Company Name : Larsen and Toubro, Chennai, India  
Designation : QC Inspector (Static Equipment/Piping)  
Duration : December 2017

Company Name : Karaikal Port, Karaikal, India  
Designation : QC Inspector (Structural)  
Duration : February 2018

Company Name : JAMNAGR REFINERIES, (RELIANCE), JAM NAGAR  
Designation : QC Inspector (Static Equipment/Piping)  
Duration : April 2018

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## EQUIPMENT HANDLED

Ultrasonic Thickness	: OLYMPUS 45mg, ETM-2
Ultrasonic Flaw Detection	: Olympus Epoch 650, MODSONIC Einstein TFT-ii
Magnetic Test	: AC and Permanent Yoke AC & HWDC Prod (MAGNAFLUX)
Liquid Penetrant Test	: Non-Fluorescent & Visible Solvent Method. (ORION)
Positive Material Identification	: Hitachi X-MET 8000 & Hitachi PMI-Master pro 2

## SKILLS

- Knowledge of Isometric, General Arrangement and P&ID drawing.
- Knowledge of ASME Sec VIII Div.1 and B 31.3 class requirements, API 1104, API 650, API 510, API 653 relevant codes and standards.
- MS OFFICE tools.
- Ability to work under minimum guidance and monitoring.
- Basic AutoCAD Drafting

## PERSONAL DETAILS

❖ Father's Name	: MURUGAN B
❖ Mother's Name	: MUTHULEKSHMI K
❖ Date of Birth	: 22-12-1994
❖ Language Known	: English, Tamil, Malayalam
❖ Marital Status	: Unmarried
❖ Nationality	: Indian
❖ Passport Number	: L9295284
❖ Date of Issue	: 15.05.2014
❖ Date of Expiry	: 14.05.2024

## DECLARATION

I, hereby declare that all the above details furnished are true and correct to the best of my knowledge and believe.

**Date:**

**Place: SUCHINDRAM**

**MUTHUKUMAR MURUGAN**