

## **ARAVIND E (B.E ME)**

### **QA/QC ENGINEER**

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## **OBJECTIVE**

To work in an environment where I can utilize and expand my knowledge in mechanical engineering and to create a niche for self in this competitive and professional world, by attaining proficiency in my work and responsibilities assigned to me.

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## **ACADEMIC QUALIFICATION**

- ✚ **B.E – Mechanical engineering**  
**RVS Technical Campus - Anna University, Chennai – India**
- ✚ **12<sup>th</sup>- Computer Science**  
**Central Board of Secondary Education (CBSE) - India**
- ✚ **SSLC (10<sup>th</sup>) – Common subjects**  
**Central Board of Secondary Education (CBSE) - India**

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## **CERTIFICATION**

- ✚ **CSWIP 3.1 Welding Inspector (Cert No. 425385)**
- ✚ **ASNT Level II (PT, MT, RT, UT)**

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## **PROFILE SUMMARY**

Good working experience over **3 years** in the platform of **QC (Quality control), Welding & NDT inspection (Non-Destructive Testing)** in Thermal power plant Construction projects. Have sound knowledge in Quality controlled supervision for fabrication and welding process, verification of as built drawings, activities involved in fabrication cutting process, joint fit up activities. Proficient in verifying **WPS and PQR** for the whole boiler unit. Expert in conducting welder test as per **ASME SEC IX/IBR**. Also have good knowledge in **Radiography films interpretation**.

- ✚ Worked as **QA/QC Engineer** – Pressure parts and structure for **JPN Erectors Pvt.Ltd** in **2×660MW Udangudi STPP** project from **September 2019- till date**.
- ✚ Worked as **QA/QC Engineer** – Pressure parts and structure for **Texcel Engineers Pvt.Ltd** in **2×660MW Ennore SEZ STPP** project from **February 2018 - September 2019**

## WORK EXPERIENCE IN DETAIL

### **QA/OC ENGINEER**

- 1. JPN ERECTORS PVT.LTD, KERALA, INDIA**  
**NOVEMBER 2019 - TILL DATE**
- 2. TEXCEL ENGINEERS PVT.LTD, CHENNAI, INDIA**  
**FEBRUARY 2018 - SEPTEMBER 2019**

### **Specific Roles:**

- Quality assurance activities such as preparation of WPS, PQR and Welder qualification Preparation of Quality Procedures.
- Verifications of Raw materials test certificates and confirmed to the code requirements.
- Welding/NDT consumables and other consumables test certificates are reviewed.
- Reviewing of NDT procedure & witnessing of non-destructive tests such as radiographic test, Ultrasonic test, penetrant test, and magnetic particle test.
- Alignment inspection of columns using Theodolite
- Check Welding Procedure Specification (WPS) & Procedure Qualification Record (PQR).
- Witness of Welder Qualification Test (WQT) according to ASME IX.
- Monitor welder performance and welding activities to ensure work is being carried out in accordance with the approved welding procedure.
- Visual Inspection and verification of materials in warehouse as per applicable drawings and specifications.
- Quality controlled supervision in fabrication and welding process.
- Preparation of final reports of the products and quality subjected reports like NDT, PWHT etc.
- Responsible for the arrangements of RT work.
- Review of stress relieves charts for weld joints.
- Inspection for grid surface preparation and primer painting checking using DFT meter.
- Submitting of all final reports to the higher authorities for further process.
- Monitoring QC Inspectors at site, allocation of jobs to QC Inspectors, day to day follow up of inspectors regarding work and site problems
- Hydrostatic testing of Boiler and all pipe lines as per IBR.

### **PROJECTS UNDERTAKEN:**

- ❖ **2x660MW UDANGUDI STPP THERMAL POWER PROJECT, UDANGUDI, TAMIL NADU**
- ❖ **2x660MW ENNORE SEZ STPP THERMAL POWER PROJECT, CHENNAI, TAMIL NADU**

### **Synopsis:**

The main scope of both projects is the handling of materials clients store and transportation to erection location, Erection, Testing and Assistance for commissioning and Trial operation including supply and application of final painting of Boiler & auxiliaries, air pre heaters, ducts & Dampers, Boiler integral piping, structure for bunker, Fans, Bowl mills, rotating Equipments, auxiliary boiler and auxiliaries etc. of Unit 1 of 2 x 660 MW Ennore SEZ Thermal Power Project, Chennai, TamilNadu & Unit 2 of 2 x 660 MW Super Critical Thermal Power Project , Udangudi, TamilNadu.

## ACADEMIC PROJECT

### ✚ DESIGN AND FABRICATION OF SOLAR WATER HEATER WITH PCM

Abstract- This project is to design and fabricate a solar water heater using the concepts of heat exchangers and phase change materials (PCM).

### ✚ AUTOMATIC SIDE STAND MECHANISM

Abstract: The side stand mechanism is simple mechanism installed in bike to lift the side stand automatically after shifting the gear from neutral to first. It was totally a manual operated system.

## SKILLS & COMPETENCIES

- ✚ Operating system: Windows 2000/XP/Windows 7/8/10
- ✚ Software Packages: MS Office, Mechanical AutoCAD, Solid Works

## PERSONAL DOSSIERS

- Date of birth : 06<sup>th</sup> Sep 1995
- Sex : Male
- Marital status : Single
- Nationality : Indian
- Language Known : English, Hindi, Tamil ,Malayalam
- Passport No : R1842233

## REFERENCES

Mr. BENNY .S  
Project Manager  
Texcel Engineers Pvt.Ltd  
Chennai, India  
Mob: +91-7771073181

Mr. JAYAPRAKASH NAIR  
Managing Director  
JPN Erectors Pvt.Ltd  
JRJ Complex, Ottapalam, Kerala, India  
Mob: +91-9605263257

## DECLARATION

I hereby declare that the above-mentioned information are true to best of my knowledge and belief and I bear the responsibility for the correctness of the above mentioned particulars.

**Place:** CHENNAI, INDIA

**ARAVIND E**

**Date:**