

## RAJAGOPAL PACHAYAPILLAI



### **B.E. Mechanical Engineer.**

No.469, North Street,  
Siruvangur Post, Kallakurichi-  
Pin-606213

**Email Id:**rajagopalmech1293@gmail.com

**Contact No:** +91-8526343022

**Passport No :** L7002168

**Aadhaar No :** 208525662788

### **Career Objective**

Dynamic Quality Control Engineer with over 11 years of experience in third-party inspection and Non-Destructive Testing (NDT) Level II certification. Dedicated to advancing inspection methodologies, optimizing quality documentation, and ensuring compliance with national and international standards. Aspiring to utilize Six Sigma Black Belt expertise to drive continuous improvement and deliver exceptional customer satisfaction.

### **Professional Experience**

#### **Career Growth -3: Working as Sr.Quality-Engineer in BRIS Engineering Services from April-2021 to Till Date**

##### Key Skills Achievements:

- **Verification of Materials:** Ensure all materials conform to approved drawings and specifications, maintaining quality and compliance.
- **Process Verification:** Oversee and verify passivation, anodizing, hard chroming, and electro polish processes to ensure they meet specified requirements and standards.
- **Visual and Dimensional Inspection:** Conduct thorough visual and dimensional inspections for machined, casting, and fabrication components to ensure accuracy and quality.
- **Documentation:** Prepare and maintain detailed inspection reports, quality manuals, and standard operating procedures.
- **Compliance:** Ensure all inspection processes adhere to national and international standards such as ASME, ASTM, ISO, and API.
- **Continuous Improvement:** Implement best practices and innovative techniques to enhance inspection efficiency and accuracy.
- **Customer Interaction:** Understand and address the specific needs and requirements of customers, ensuring high levels of satisfaction.
- **Training and Development:** Provide training and guidance to junior inspectors and technicians to ensure consistent quality and adherence to standards.
- **Problem Solving:** Identify and resolve issues related to inspection processes and quality control, utilizing Six Sigma methodologies for continuous improvement.

#### **Career Growth -2: Working as NDT-QC-Engineer in Blue Ray Inspection Services from August-2017 to April 2021.**

##### Key Skills Achievements:

- **Verification of Piping Materials:** Ensure all piping materials conform to approved drawings and specifications.
- **Verification of Welding Process:** Oversee and verify welding processes as per the Welding Procedure Specification (WPS).
- **Witnessing Tests:** Witness and verify the execution of Liquid Penetrant Tests, Positive Material Identification (PMI) Tests, and Hardness Tests.
- **Visual and Dimensional Inspection:** Conduct thorough visual and dimensional inspections to ensure components meet quality standards.
- **Witnessing Hydro Tests:** Oversee and witness hydrostatic testing to ensure system integrity and compliance.
- **Review of RT Film and MTC:** Review Radiographic Testing (RT) films and Material Test Certificates (MTC) to ensure compliance with specifications.
- **Verification of Raw Materials:** Ensure all raw materials conform to approved drawings and specifications.

## Career Growth -1: Working as Quality & Production Engineer in New Tech Industries from July 2014 to July-2017

### Key Skills Achievements:

- **Verification of Gear Shaft Materials:** Ensure all gear shaft materials conform to approved drawings and specifications.
- **Visual and Dimensional Inspection:** Conduct thorough visual and dimensional inspections for machined components, particularly gear components, to ensure they meet quality standards.
- **Operator Performance Training:** Provide training to operators to enhance performance and implement rejection control measures, with a focus on gear manufacturing processes.
- **CNC Machining Process:** Utilize extensive knowledge of CNC machining processes to ensure precision and efficiency in the manufacturing of gear components.

### Technical Education Profile

#### AMERICAN SOCIETY FOR NON-DESTRUCTIVE TESTING (ASNT)

- Ultrasonic Testing Level – II
- Radiographic Testing Level – II
- Magnetic Partial Testing Level– II
- Penetrant Testing Level – II
- Radiography Film Interpretation Level-II
- Visual Level-II

### Career Projects Profile

- **Third Party Inspection Activities:**
  - Study and understand customer quality plans, standards, and codes.
  - Review supplier quality plans and processes.
  - Review material control plans, WPS, and PQR.
  - Conduct in-process inspections (cutting, casting, fabrication, welding, machining, and testing).
  - Prepare and submit quality documents to customers.
  - Review and follow up on corrective and preventive actions.
  - Update customers on product/process progress.
- **Customer/Project Coordination:**

Coordinate with international and domestic customers for components/parts manufactured in India and abroad, including:

  - **SUNDYNE - BOMBAS EROCLE MARELLI, Spain**
  - **SUNDYNE - ARVADA, US**
  - **ACCUDYNE, India**
  - **MILTON ROY, France**
  - **MILTON ROY - IVYLAND, US**
  - **MILTON ROY - HASKEL**
  - **MP PUMPS, US**
  - **THUTIL PUMPS, US**
  - **TRILLEUM PUMPS, US**
  - **Various Indian customers**

### Academic Profile

- BE Mechanical [2014] with aggregate of 7.36% from AKT memorial college of Engineering and Technology.
- Higher secondary [2010] with aggregate of 68% from Govt., Boys Higher Secondary School Kallakurichi
- Primary [2008] with aggregate of 84.2% from Govt higher Secondary Somandargudi.

**Field Of Interest**

- Vendor development and supplier quality inspection
- Non-Destructive Testing (NDT)
- Welding inspection and machining inspection
- Final inspection and pre-dispatch inspection

**Personal Skill**

- Customer handling and measuring instrument calibration
- Process and product validation and outgoing inspection
- Punctual and disciplined work ethic
- Leadership and motivation of quality personnel
- Flexibility to accommodate all shifts and areas
- Proficiency in 5-S housekeeping and Six Sigma concepts

**Personal Details**

- Father Name: Pachayapillai.M
- Mother Name: Kolanji.P
- Date of Birth: 12-02-1993
- Permanent Address: No 469, North Street, Siruvangur Post, Kallakurichi-606213
- Marital Status: Unmarried
- Language Known: Tamil, English, Hindi (Beginner)

**Declaration**

I hereby declare that all the statements given above are true, complete and correct to the best of my knowledge and belief.

**Place:**

**Signature**

**Date:**

  
(Rajagopal)

## NDT LEVEL-II CERTIFICATE

### LIQUID PENETRANT TESTING

**Blue ray INSPECTION SERVICES**  
ISO 9001:2015 CERTIFIED ORGANIZATION  
No.15, Madhav Blam, Ahimsa Nagar, SIDCO, Industrial Estate - Post  
Madhukar Main Road, Kanchi, Coimbatore - 641021.  
Email: [blueinspections@gmail.com](mailto:blueinspections@gmail.com) www.blueray.org

S.No.	KIR/54	File No :	615/18/2118	Venue :	COMBATORE
Candidate Name	MR RAJAGOPAL P				
Certified in	LEVEL - II				
Certified Method	LIQUID PENETRANT TESTING Technique N/A				
Certification Issued	7/5/2018 Certification Due 6/5/2023				
Work Experience	12 MONTHS In House Training 16 HRS				
Academic Qualification	BE (MECH)				

This Certificate issued to Mr. RAJAGOPAL P of M/A SELF SPONSORED has successfully completed Written and demonstrated practical examination in LIQUID PENETRANT TESTING Level II accordance with ASNT written Practice Document No. SNT-TC-1A 2016 ed., the satisfactory requirements mentioned below.

Examination	Score Obtained	Passing Minimum
General	85.00	70.0%
Specific	80.00	70.0%
Practical	78.00	70.0%
Single Average	81.00	80.0%
Visual Acuity	J2	
Color Vision	OK	

See: This Entry Based Report Issued by the ASNT ISI Unit in the Subsequent

This certificate is issued to enable the employer to certify the individual as per their written practice Based to the requirements of SNT-TC-1A 2016 ed.

Certified Based as per the Requirements of ASNT SNT-TC-1A Practice

ASNT ISI Unit  
Kanchi

### MAGNETIC PARTICLE TESTING

**Blue ray INSPECTION SERVICES**  
ISO 9001:2015 CERTIFIED ORGANIZATION  
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Email: [blueinspections@gmail.com](mailto:blueinspections@gmail.com) www.blueray.org

S.No.	KIR/54	File No :	615/18/2119	Venue :	COMBATORE
Candidate Name	MR RAJAGOPAL P				
Certified in	LEVEL - II				
Certified Method	MAGNETIC PARTICLE TESTING Technique N/A				
Certification Issued	11/5/2018 Certification Due 10/5/2023				
Work Experience	18 MONTHS In House Training 24 HRS				
Academic Qualification	BE (MECH)				

This Certificate issued to Mr. RAJAGOPAL P of M/A SELF SPONSORED has successfully completed Written and demonstrated practical examination in MAGNETIC PARTICLE TESTING Level II accordance with ASNT written Practice Document No. SNT-TC-1A 2016 ed., the satisfactory requirements mentioned below.

Examination	Score Obtained	Passing Minimum
General	87.50	70.0%
Specific	85.00	70.0%
Practical	78.00	70.0%
Single Average	83.17	80.0%
Visual Acuity	J2	
Color Vision	OK	

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### RADIOGRAPHY TESTING

**Blue ray INSPECTION SERVICES**  
ISO 9001:2015 CERTIFIED ORGANIZATION  
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Email: [blueinspections@gmail.com](mailto:blueinspections@gmail.com) www.blueray.org

S.No.	KIR/54	File No :	615/18/2120	Venue :	COMBATORE
Candidate Name	MR RAJAGOPAL P				
Certified in	LEVEL - II				
Certified Method	RADIOGRAPHIC TESTING Technique N/A				
Certification Issued	7/5/2018 Certification Due 7/5/2023				
Work Experience	18 MONTHS In House Training 24 HRS				
Academic Qualification	BE (MECH)				

This Certificate issued to Mr. RAJAGOPAL P of M/A SELF SPONSORED has successfully completed Written and demonstrated practical examination in RADIOGRAPHIC TESTING Level II accordance with ASNT written Practice Document No. SNT-TC-1A 2016 ed., the satisfactory requirements mentioned below.

Examination	Score Obtained	Passing Minimum
General	87.50	70.0%
Specific	90.00	70.0%
Practical	77.00	70.0%
Single Average	83.17	80.0%
Visual Acuity	J2	
Color Vision	OK	

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### RADIOGRAPHY FILM INTERPRETATION

**Blue ray INSPECTION SERVICES**  
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Email: [blueinspections@gmail.com](mailto:blueinspections@gmail.com) www.blueray.org

S.No.	KIR/58	File No :	660/19/2275	Venue :	COMBATORE
Candidate Name	MR RAJAGOPAL P				
Certified in	LEVEL - II				
Certified Method	RADIOGRAPHIC TESTING Technique FILM INTERPRETATION				
Certification Issued	06/01/2019 Certification Due 06/01/2024				
Work Experience	24 MONTHS In House Training 80 HRS				
Academic Qualification	B.E (MECH)				

This Certificate issued to Mr. RAJAGOPAL P of M/A SELF SPONSORED has successfully completed Written and demonstrated practical examination in RADIOGRAPHIC TESTING FILM INTERPRETATION Level II accordance with ASNT written Practice Document No. SNT-TC-1A 2016 ed., the satisfactory requirements mentioned below.

Examination	Score Obtained	Passing Minimum
General	85.00	70.0%
Specific	85.00	70.0%
Practical	80.00	70.0%
Single Average	83.33	80.0%
Visual Acuity	J2	
Color Vision	OK	

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### ULTRASONIC TESTING

**Blue ray INSPECTION SERVICES**  
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Email: [blueinspections@gmail.com](mailto:blueinspections@gmail.com) www.blueray.org

S.No.	KIR/58	File No :	660/19/2272	Venue :	COMBATORE
Candidate Name	MR RAJAGOPAL P				
Certified in	LEVEL - II				
Certified Method	VISUAL TESTING Technique N/A				
Certification Issued	06/01/2019 Certification Due 06/01/2024				
Work Experience	24 MONTHS In House Training 80 HRS				
Academic Qualification	B.E (MECH)				

This Certificate issued to Mr. RAJAGOPAL P of M/A SELF SPONSORED has successfully completed Written and demonstrated practical examination in VISUAL TESTING Level II accordance with ASNT written Practice Document No. SNT-TC-1A 2016 ed., the satisfactory requirements mentioned below.

Examination	Score Obtained	Passing Minimum
General	80.00	70.0%
Specific	85.00	70.0%
Practical	80.00	70.0%
Single Average	85.00	80.0%
Visual Acuity	J2	
Color Vision	OK	

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### VISUAL TESTING

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Email: [blueinspections@gmail.com](mailto:blueinspections@gmail.com) www.blueray.org

S.No.	KIR/58	File No :	660/19/2272	Venue :	COMBATORE
Candidate Name	MR RAJAGOPAL P				
Certified in	LEVEL - II				
Certified Method	VISUAL TESTING Technique N/A				
Certification Issued	06/01/2019 Certification Due 06/01/2024				
Work Experience	24 MONTHS In House Training 80 HRS				
Academic Qualification	B.E (MECH)				

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Visual Acuity	J2	
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