

# SATISH KUMAR PATEL

Engineer Quality control

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## PROFESSIONAL SUMMARY

Dedicated and detail-oriented **Quality Control Engineer** with **4+ years of experience** in the **Aluminum clad steel wire**. Skilled in **monitoring Quality processes, inspecting products, analyzing quality data, and ensuring compliance with industry standards** such as **IS 398, IEC 63248, and ASTM B232**. Passionate about continuous improvement and quality excellence.

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## WORK EXPERIENCE

**Engineer – Quality control in ACS Division.**

**Systematic Group, Gujarat, India | Aug 2022 – Present**

- Expertise in **Aluminum clad steel wire** and conductor.
- Testing Expertise **IACS** in **EC Grade aluminum wire rod** as per **IS 5484:2023**.
- **Quality control Parameter observation** for conductor wires (**IEC 63248, ASTM B232**).
- Implementation of **PDCA** cycle for quality improvement of product.
- **Managed** daily process monitoring records and **workforce scheduling**.
- Basic Understanding of **ISO 9001, 14001 and 45001** Implementation.
- Preparation of **work instruction /SOP** for various lab instrument.
- **Expertise in ACSR wire testing and process monitoring**.
- Testing expertise in **stranding section** in **7 strand /19 strand**.
- **Testing & Analysis** – Performing mechanical, electrical conductivity, and chemical composition tests using spectrometers, **UTS machines**, and **micro ohm meter**.
- **Defect Identification & Troubleshooting** – Identifying defects like surface cracks, inclusions, or diameter variations and implementing corrective actions.
- **Documentation & Reporting** – Maintaining quality reports, test certificates, and compliance records for audits.
- **Supplier & Customer Coordination** – Collaborating with raw material suppliers and addressing customer complaints through root cause analysis (RCA).
- **Continuous Improvement** – Implementing 5S, Kaizen, and Six Sigma methodologies to enhance product quality and process efficiency.

## Lab Technician in GI wire Division

**Ambe Steel Private Limited, Lumbini, Nepal | Dec 2020 – July 2022**

- Ensured all quality activities met **Nepal Code and Standards (NS 163)**.
  - Conducted **incoming material inspections** (wire rod, HB wire, and galvanized steel wire).
  - Performed tests on **tensile strength, zinc coating, and process checks** (heat treatment, pickling, flux, galvanizing bath).
  - Managed **shift coordination, manpower handling, and PDI checks**.
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## TECHNICAL SKILLS

- Proficient in **micrometer, vernier caliper, universal tensile machine, torsion machine, resistance meter**.
  - Strong understanding of **high-carbon (HC) and mild steel (MS) wire testing**.
  - Experienced in **ACS 20 SA manufacturing, ACSR conductor core testing (tensile, resistance, resistivity, and conductivity)**.
  - Hands-on experience in **rewinding, stranding, and quality inspections**.
  - Knowledge of **customer complaint handling and QA/QC planning**.
  - Proficient in MS word and MS excel.
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## EDUCATION

### Diploma in Electrical Engineering

**Raja Balwant Singh Polytechnic, Agra, Uttar Pradesh | 2014 - 2017**

- Graduated with **71.45%**

### Senior Secondary (PCM)

**S.M.P.M.B. Inter College, Mirzapur, Uttar Pradesh | 2011 - 2013**

- Score: **75.20%**

### Secondary Education

**S.M.P.M.B. Inter College, Mirzapur, Uttar Pradesh | 2009 - 2011**

- Score: **71.27%**
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## **PERSONAL STRENGTHS**

- ✓ Strong analytical and problem-solving skills.
  - ✓ Excellent team collaboration and leadership abilities.
  - ✓ Ability to adapt to challenging work environments.
  - ✓ Effective communication and organizational skills.
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## **LANGUAGES**

- **Hindi** – Full Professional Proficiency
  - **English** – Limited Working Proficiency
  - **Bhojpuri** – Full Professional Proficiency
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## **PERSONAL DETAILS**

- **Date of Birth:** 08/10/1996
  - **Marital Status:** Married
  - **Nationality:** Indian
  - **Permanent Address:** Rajapur, Post-Lahangpur, Dist. Mirzapur, Uttar Pradesh – 231211
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## **DECLARATION**

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

✦ **DATE:** \_\_\_\_\_ **SIGNATURE:** *Satish Kumar Patel*

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