

# HIREN PATEL

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**Professional Experience: More Than 8 years progressive experience in solar renewable energy.**

**Objective: Continuously enhancing and implementing professional and technical skill  
In harmony with organization's objective.**

**KNACK ENERGY PVT LTD. Photovoltaic Module Line, Encapsulate Adhesive and Back sheet  
Manufacturing Line (Aug 2024 – Till Continue)**

**Designation: Manager – Production**

**Company Profile:** - Knack Energy is leading manufacturer Solar PV Module Manufacturer of Latest Technology Topcon Solar Manufacturer of 800 MW Fully Automatic Solar PV Module Line. Knack Is Upgrading Plant In Next Year Up to 1.6 GW Highly Advanced Technology in Upcoming Years.

- Monitor and analyse Production Metrics (Output, Efficiency, Yield) to ensure targets are met or exceeded with max Quality
- Implement Plans & strategies to Optimize Production processes **PRODUCTIVITY**
- Ensuring Effective Enforcement of Production Plans & Schedules
- Ensure consistent and timely communication of Production Goals and results to team members.
- Close Monitoring of Rework Generation Points and Guiding team to Reduce/Eliminate the Reworks
- To achieve and maintain the quality norms of product.
- Continuously endeavor to enhance rate of production, increase in efficiency and utilization by way of reduction in avoidable-losses.
- To analyze and generate the production monitoring data and recording, unit and efficiency.
- Take monthly stock of running process material at the end of every month.
- Checking of production of each machine and its output quality.
- Analysis of breakdowns and its timely rectification.
- Ensure compliance of every system already implemented in the department.
- To maintain the health of machines by get attending the day-to-day problem through Maintenance team.
- Monitor and analyze production data to ensure hourly and daily production targets are met by Guiding & Supporting Down the Line Team **PRODUCTIVITY & REPORTING**
- Support & Marinating Strategies Implemented by Head of Department for Production Process Optimization and Efficiency Increasing
- Co-ordinate with PPC for Proper Schedules Adherence & Alignment as per Production Capacity (Daily/Weekly/Monthly)

- Reports Preparation and Communicating (Daily/Monthly MIS) & Ensuring On Floor Reports fulfilment as per Described in Regirement

**SOLARIUM GREEN ENERGY PVT. LTD. PHOTOVOLTAIC MODULE LINE (JULY 2020 – JULY 2024)**

**Designation: Plant Head - Production**

**Company profile:** Solarium is India's Leading integrated Solar PV Module Manufacturing Company & Turnkey Solar Solutions Provider.

**Key Responsibilities:**

- Managing total production line of Solar panels including material planning, worker management and scheduling to achieve the company target.
- Product designing and validation of solar module.
- To achieve zero rejection / rework / repair due to operator negligence.
- To sustain workers / efficiency in producing higher quantities.
- To minimize response time in giving B.O.M planning for solar panel.
- Housekeeping and general discipline for operator.
- Over all responsible for assembly team.
- Completely conversant with all the process and techniques of Production / Works.
- Monitoring product standards and implementing quality-control programs.
- Prepare, daily, weekly, monthly-inspected material acceptance & Production process.
- Responsible for final inspection of modules and for inspection of dispatch activities.
- Tools / Jigs procurement and preventive maintenance.
- Exposure to quality tools like ISO
- Training of Employees to improve their productivity, quality consciousness & organizational behavior.
- Interaction with materials / Purchase to maintain inventory in JIT concept
- Planning, requisitioning and accounting of spares for jig and tools
- Interfacing with people at all levels, managing healthy work environment and inculcating bonded teamwork with high work ethics.
- To achieve zero delay in committed deliveries.
- Operator leave sanctioning and gate pass authorization.
- Process rejection submission to stores through quality approval.
- Preparatory work at no work time zone.
- Reporting to the – Director (Owner).

**SHREE HARI POLYTECHNIC COLLEGE (May 2019 – June 2020)**

**Designation – Lecturer In Electrical Department**

**Key Responsibilities:**

- Teaching Diploma Courses including lectures and tutorials
- Planning and implementation of instruction in laboratory
- Student assessment, evaluation and work related to GTU exam.
- Developing resource material
- Assisting in extension services to the industry and community
- Assisting in education related activities
- Organizing Co-curricular and extra-curricular activities
- Student counseling

- Any other duties/work assigned from time to time

**TOPSUN ENERGY LTD. (Jan. 2017 to May. 2019)**

**Designation: Jr Engineer -QA Officer. (Module Line)**

**Key Responsibilities:**

- One of the core team members in QC of Solar module manufacturing Division and being involved in setting up Cr- Silicon Module manufacturing Facilities.
- Increasing the power produced through each cell by fully optimizing the process parameters.
- Setting up end to end integrated manufacturing facility for High performance and improve Quality with the indoor and outdoor testing & Experiments.
- Evaluate and finalize state of the art equipment for incoming, Inline, & Finished materials.
- Responsible for Documentation as per ISO SYSTEM and conduct an Audit as per standards.
- Maintain Quality tools, 5'S in plant area.
- Maintain Quality Instruments and Calibrate too.
- Doing Different testing of materials(Cells- cell tester, EVA- GEL testing, Backsheets-PULL up test, Ribbon, Frames- Thickness test, JBs, Tape, etc.)
- Check & verify module before Laminate with the help of **Electro Luminesces tester (EL)**.
- Responsible to co-ordinate between **Quality and Production department** for conducting online experiments and trials.
- Continuously track technological developments in the Area of Silicon/Semiconductor technologies for Solar power so as stay ahead of competition.
- Writing SOPs. WI, and training to manufacturing and QA engineers/Operators.

**Achievements:**

- Audited overall plant operations, Documents, Instruments successfully.
- Experiment Designing and Implement it, to improve Quality level.
- Contributed a significant role in increasing the capacity utilization and yield.
- Audited several processes to reduce the cycle time and cost.
- Reduced line workers by developing multitasking operation.

**Academic Profile:**

- Passed Degree Engineering – Electrical. from Merchant Engineering College Visnagar - Gujarat Technological University with Aggregate Distraction Class in May2016
- Passed Diploma Engineering – Electrical. from B S Patel Polytechnic Engineering College Mehsana - Gujarat Technological University with Aggregate Distraction Class in May 2013.
- Passed S.S.C. from Kadi - G.S.E.B Gandhinagar with Distinction in March 2010.

**Training & Industrial Visit:**

- Transformer & Rectifier (T&R) .....at Ahmedabad
- Hydro power station at Sardarsarovar dam
- Transformers & rectifiers, Ahmadabad
- Certificate of basic Safety and First Aid Course.
- Certificate of Safe Working with hazardous Chemicals & Materials training.
- Certified Course Of PLC- Scada from Sofcon India Pvt Ltd.

**Soft Skills:**

- Operating systems: Windows XP & 2007/8/10
- Applications: MS-Office 97, 2003 & 2007
- ERP
- SAP

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**Personal Details**

Name	:	Hiren Patel
Father's name	:	Arvindbhai S. Patel
Sex	:	Male.
Marital Status	:	Married.
Birth Date	:	23 Nov. 1994.
Languages Known	:	English, Hindi & Gujarati
Hobbies	:	Travelling, Reading, Watching

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**Declaration:**

**I consider myself familiar with Semiconductor engineering aspects. I hereby declare that the information furnished above is true to the best of my knowledge.**

**HIREN PATEL**