

# KIRAN KUMAR RAI

Manager at **DENSO** Haryana Private Limited

Seeking a **Production Manager** | **Operational Excellence Manager** | **Industrial Engineering Manager** Position with an organization where I can utilize my skills and experience to improve operations, increase profitability, and enhance growth.

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## ◆ Profile Summary

- Dynamic and competent professional with **12 years experience in Production, Quality and Lean Manufacturing**. Spearheading TIE section promoting **Continuous improvement activities** throughout the value stream to achieve business results.
- Proven, demonstrated skill and abilities in **developing, driving and executing Lean activities** at Green field project Factory set-up claiming Asia best Efficient Factory award.
- Hands-on Production experience in **ECU, HVAC** products on **Assembly/ Moulding lines** with extensive exposure for **Resource planning, Cost reduction, Process improvement and Quality management techniques**.
- **Strong team builder** and facilitator with rich **experience in handling teams**. **Change agent** with strong credibility and influence in the organization having **ability to motivate others** to excel Productivity.

## ◆ Work Experience

### **DENSO HARYANA PVT LTD (12 years 2 months)**

➔ **Manager, Section Head of Total Industrial Engineering, Jhajjar, Haryana** Mar '2014 ~ Till Now

#### Essential responsibilities (Lean promotion)

1. **Plant-wide Productivity:** Midterm strategy, support to team, establishing and co-ordinating external benchmarking. Execute Six Sigma strategy for MUDA elimination.
2. **Plan Layout improvement:** Plant Layout design, Area efficiency kaizen, guide Line Layout kaizen to CFT.
3. **Human resource development:** Sustainable environment creation by promoting Lean awareness to TM's, leadership & ownership development.
4. **Throughout Plant kaizen:** Problem visualization with Value Stream Mapping (VSM), Heijunka, KANBAN, JIT.
5. **Plant-wide manpower control:** Annual manpower estimation, target analyse, monthly adjustment.
6. **New line establishment & kaizen promotion:** Line Layout, motion, material flow study working with Design & Process team. KARAKURI technique development for kaizen level up.

#### Achievements

- ✓ Achieved *consecutive 5 years Productivity goal with 50% Manpower reduction*.
- ✓ Leded CFT for **800 m<sup>2</sup> Area creation** in Plant *within 6 months* for new Motor lines installation.
- ✓ Eliminated **External Warehouse** (240 mil. Rs/year saving) by inventory reduction, flow & area kaizen.
- ✓ Introduced **Train Trolley with Scooter** for manual Conveyance elimination *saving 43 MP/day*.
- ✓ Established **Boot-camp workshop** and **enhance productivity by 8%** utilizing GENBA team leaders.
- ✓ Created Plant-wide **flexible manpower line** eliminating demand loss by 72% with high **balancing ratio**.
- ✓ **Transformed new Lines** of HVAC, ECM and PW motor lines to **10% productivity up** while Set-up.
- ✓ Conducted **1<sup>st</sup> Card-board line DR in Plant-II** and improved new Line from design phase.
- ✓ Constructed **100% In-house ECM Assembly line-4** with **zero investment** from scrap & build approach.
- ✓ Reduced **67% FG inventory** by **Direct Staging** with **KANBAN** for ECM with Customer pull system.

➔ **Assistant Manager, Shift in-charge of Production HVAC, Jhajjar, Haryana** Sep '2013 ~ Mar'2014

#### Essential responsibilities @new plant establishment

1. **Line installation:** Layout finalizing, process drafting, Bin & chute designing, documents & Line trials, Customer events, launching DOJO training.

2. **Production System implement:** Takt time, kanban & pull system, Ensure Online & Offline trainings.
3. **Section Management:** Shift planning, motivating manpower, leaves management, Budget planning, reporting of MIS, promotes Kaizen, 5S, PDCA, QC, achieve KPI.
4. **Meeting of deadline:** Effective communication with other departments & collaborating for timely results. Capacity improvement, PM schedule planning.
5. **Quality control:** Practice TQM, FMEA, QMS, Control plan, QCC activity, Process specialist development.

### Achievements

- ✓ *Achieved Asia No-1 conveyor line with **6 MP/day saving** by *continuous flow* and *Set-part system*.*
- ✓ *Reduced HVAC Assembly **Bottleneck Cycle Time** from **69 sec** **55 sec** for night shift elimination.*
- ✓ ***Redesigned Packaging & conveyor chutes** for in-house parts saving **2 MP/day** by eliminate part transferring.*
- ✓ *Improved **Die change-over time** from **30 min** → **9 min** by *SMED kaizen* in Moulding S/A.*

## ➔ Senior Engineer, Shift in-charge of **Production ECU**, Manesar, Haryana

### Essential responsibilities

Aug '2008 ~ Sep'2013

1. **Manpower & line management:** Multi-tasking MP, On Job Training level up, 5S, Safety, Leave management.
2. **Quality control:** Job standardization, POKA YOKE, GO-GO, TS 16949, ISO 9001 standard, defect reduction, process improvement, Why-Why root cause analysis, countermeasure report.
3. **Productivity improvement:** Line OEE, TPM activities, Line balancing & capacity up, Cost saving activities.
4. **Meeting of Delivery:** Smooth communication, Quick response, Hourly follow-up, Contingency Planning.

### Achievements

- ✓ *Developed the **Defect-Line & training** to prevent *Occurrence & Outflow* achieving *30% defect reduction*.*
- ✓ ***Eliminated 80% PCB WIP** (1.6 days) by lot size reduction and sequential production.*
- ✓ ***Resolved non-cyclic work standardization** problem by *SWCT Type-III* to reduce 4 MP/day.*
- ✓ *Represented Company for Lean production activities in DENSO IGC in 2011.*

## ◆ Key Skills

- Takt time, Kanban, Pull system
- Team Coaching, Creative thinking
- VSM, PDCA, SMED, DMAIC, TPM tools
- Time study, MOST, Line balancing
- Plant & Line Layout improvement
- Fabrication knowledge, KARAKURI
- Lean manufacturing techniques, Toyota Production System
- Certified Trainer for Soldering, 7 QC Tools, Lean
- Production management, Process improvement
- ECU, HVAC Assembly line expert
- Analytical reasoning, Persuasion & Leadership skills
- Strong team Motivator & a change agent

## ◆ Education

- 61.6% in **BE (Electrical)**, Assam Engineering College, Gauhati University, ASSAM (2008).
- 54.2 % in **Class 12**, Tinsukia College, ASHEC board, ASSAM (2003).
- 64.2 % in **Class 10**, Barhajan High school, SEBA board, ASSAM (2001).

### Achievements

- ✓ *Lead member of *Hostel parade team & Hostel Wall magazine team*, Engineering College.*
- ✓ *Edited the Cover Page of *Departmental Souvenir Magazine*, Engineering College.*

## ◆ Online Profile

<https://www.linkedin.com/in/kiran-kumar-rai-51107824>

## ◆ Personal details

**Languages:** English, Hindi, Assamese  
**Hobbies:** Reading, Painting

**Marital Status:** Married  
**Sex:** Male