

PURUSHOTTAM SURESH BHANDARKAVATHEKAR

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Seeking Mid to senior assignments in Production Operations, Industrial Engineering, Lean Manufacturing, Operations with organisation of repute

SYNOPSIS

- **An astute engineer** with around **15+ years'** of experience in managing **Operations (Assembly. Precision grinding, Machining and Special Processes), subcontracting, Industrial Engineering, Lean Manufacturing, Productivity Improvement, Process Enhancement, Man Management** and **safety improvement**.
- Currently associated with a **German MNC Pioneer Leaders in Manufacturing of Rotary Screw Compressor Valves** as **Manager-Production**
- Proven track record of implementing cost saving measures to achieve substantial **utilisation in terms of manpower & energy** consumption through integration projects across **vendor** network as well as increased **productivity & machine utilisation** through **line balancing**, implementation of **JIT technique** through **logistics management**.
- Instrumental in implementing **TPS Lines** as **Green Field Projects** across vendors and in-house operations, **Kanban, QC tools, SMED implementation** for debottlenecking, **Two Bin System** Implementation for assembly material availability, reducing rework by using of and enhancing Process capability of Operations through use of techniques such as process FMEA.
- Distinction as the Leader of "**Lean Manufacturing**" team for driving process improvement initiatives across the company.
- Adroit in systems implementation through mapping production and subcontracting process, gathering requirements, studying and analyzing workflow to design solutions and preparing functional specifications for **ERP system (Baan)** and **Oracle, SAP system**.
- Effective **communicator** with assertive & strong leadership qualities and resourceful at strategizing techniques for maximizing utilization of man and machine.

CAREER HIGHLIGHTS

- Presently working as **Manager- Production/Vendor development** at **HOERBIGER INDIA SERIAL TECHNOLOGIES PVT LTD, PUNE** from May 2013
(Manufacturer of Rotary Screw compressor Valves)
- Since Oct'97 to April 2013- Worked as **Manager-Production** with **M/S Emerson Climate Technologies (India) Limited; Atit, Dist-Satara**
(Manufacturer of Hermetically Sealed Reciprocating Compressors and condensing units used for Refrigeration and Air-conditioning Industry)

- Joined the company as a Graduate Trainee Engineer and got elevated to Sr. Engineer through 2 promotions. Earlier worked at Karad and later at Atit plant.
- Spearheading a team of one engineer and 42 operators in the production operations, Industrial Engineering, and driving optimum utilisation of Man & Machine.

KEY FUNCTION STRENGTH

Industrial Engineering

- Use of Work Measurement technique **MOST**.
- Segregation of VA and NVAs in the process to arrive at consensus, while mapping new process.
- Continual improvements on production line through line balancing, **throughput time reduction**.
- Preparation of **differential SWCC** (246, 300 and 438 nos per shift) to cope up with variation of market demand to products.
- Encourage **multi-machining** and **multiskilling concepts** amongst operators to avoid dearth of skills.

Project Management

- Performing **capacity calculations**, preparing investment plans for new projects/capacity enhancement in accordance with organization's AOP and scheduling the same.
- Conducting inspection, installation, commissioning, trial and process capability establishment of capital equipments and new manufacturing processes.

Production Operations

- Planning & effecting preventive maintenance schedules of various network elements to increase network up time & equipment reliability as well as **overall equipment efficiency (OEE improved from 49% to 75%)**
- OTD improvement from 70% to 98%
- Hands on Experience in Handling **Assembly Operations**. Here working is on three shifts basis. Execution of **dispatch** through



effective planning of all the operations with **end to end responsibility**.

- Maintain uptime of **pneumatic** and other **hand tools** required for assembly.
- **Precision Grinding**, machining Operations, and **special purpose processes** required for compressor after assembly.
- Developing **new process concepts** through **continuous learning** for production optimization, yield improvement and developing guidelines for sequencing of manufacturing activities on the shop floor (SOP).
- Identifying areas of obstruction / **bottlenecks** & taking steps to rectify the equipments and ensure reoccurrence is prevented through application of **Root cause analysis, 5 why, cause and effect analysis** etc.
- Adhere to **WIP** requirements through **timely back flushing** of material through system and maintaining **inventory as per lead time**.
- Setting standards for **man-hours per PC** and strategic planning to achieve the same.
- **Encouraging team work** and **5 S's** programme through motivation to achieve the organization goals.

Lean Manufacturing

- Training to employees to motivate them for using lean techniques in their work.
- Balanced Machining Lines by defining **TAKT**, rearranged **layout**, prepared **SWCC**, established production norms as per cycle time, achieved **productivity improvement** by 250 percent. Ensured consistent supplies of components to company.
- Initiated **cycle time reduction** programs for better productivity.
- Defining new targets for set-up time through use of **SMED** technique and preparing teams for the same.
- Developing culture for autonomous maintenance of machines and processes. **Cost**

Reduction/VA/VE

- Cost saving achieved in NPM purchase- 1MN in FY 2015
- **Multi machining** encouraged by implementing **low cost automation** on MKL grinding machines.
- Executing **head count optimization** programme through identifying opportunities to eliminate NVAs, setting up plans and continuously monitoring and reviewing the activities to make it happen.

Quality Control/Assurance

- Practicing quality standards with key emphasis on improving quality by rectifying the identified areas of quality failures in the system & processes using **Pareto, Fishbone diagram, run charts**.
- Establishing the continual improvement framework. Providing feedback for improvements.
- Taken up and completed programme to raise Cp index 1 to 1.33 or above of 12 machines **Man**

Management

- Coaching employees & counselling, appraising and reviewing performance, ensuring optimum performance.
- Encouraging **corner meetings** with employees.
- Forming **Quality circles** to motivate employees to solve issues using their experience and learning. **Safety**

Improvement

- Working as **chairman of safety committee** to lead safety initiatives across the plant.
- Culture improvement through coaching employees & counselling, and appraising, monthly arranging for **common safety oath programmes** to enhance awareness of various safety programs and know the present status of safety.
- Developed **near-miss** reporting system.
- Action plans for reducing accidents while promoting activities such as inviting more and more qty of near-misses, suggestions etc.
- Detailed investigations of accidents if any involving top management to assess potential risk areas to aware all the employees to similar cases in future.

Notable Contributions

- Successfully installed New body & crankshaft line as per **Toyota Production System** leading to enhancement in capacity per shift from 156 to 327 nos and reduction in manpower from 12 to 6 nos.
- Instrumental in implementing **Two Bin System** for KCJ, KCE, CR store components and ensuring 100% on time material availability to assembly with stoppages reduced to zero.
- Drove Productivity improvement on body machining line by 33%, shaft grinding line by 25%, through multi machining concept establishment. Established flexible lines for different model shaft grinding.
- Effectively controlled and maintained REJ warehouse inventory below Rs 50000/- from earlier Rs 300,000/- by simplifying the system to an extent that even ordinary lay man could work.
- Credited for KCJ c/shaft eccentric diameter no-cleanup defect reduction from 30000 PPM to zero through process improvement and proper gauging.
- Implementing **SMED** through preparation of teams, PCDs, shootings, brain storming simplifications etc.
- **KANBAN** implementation for manufactured components and tools used on production lines.
- Developing alternate vendor base for sourcing critical components apart from existing Vendor support and implementing **Millennium (with TPS)** vendor concept for critical vendors.
- Significant contributions to Process quality assurance by installation of auto gauging and auto balancer on shaft lines.
- Driving Safety culture through out the company through initiation of daily safety oath on all the shops, monthly oath for the entire factory.
- Taking up various **EMPs** viz. mist collector, reduction of chemical consumption, etc.



- *Playing a key role in new product development and co-coordinating various activities from castings to assembly for CR60K and AH22X compressors.*
- *Implementation of new wage agreement with bargain-able employees.*
- *Distinction of **receiving MD's awards twice** for best performance in Quality Achievement & Productivity Improvements.*
- *Received **MRM award for implementation of Two-Bin / KANBAN system.***

PREVIOUS ASSIGNMENTS

Oct'96 - Sep'97 **JK Files & Tools, Chiplun as GET (Graduate Engineering Trainee)**

EXTERNAL CERTIFICATION

- *Course : TPS Course from Kirloskar, harihar*
- *Duration : Two month*

ACADEMIA

- **1994** **B.E** **Bachelor of Engineering with Mechanical** *Shivaji University, Kolhapur.*
Secured 1st Class first with Distinction

COMPUTER REALM'

- *Proficient in working with MsOffice, AutoCAD, ERP And Oracle, SAP*

RECENT TRAININGS ATTENDED

- *Drive For Results And Foster Team Work (DRAFT)*
- *Communicative Leader*
- *Communicative Safety Supervisor*
- *Advanced CNC Programming*

PERSONAL DOSSIER

Date of Birth : :14 Th April, 1972

Address : :Flat no-102, Trupti Garden phase 2, Ananad Nagar.Sinhgad Road, Pune-411051

Linguistic Abilities : English, Hindi & Marathi

Current CTC : 6.5 lac per annum

Expected CTC : Negotiable

Current Location- : Pune

Notice period : 45 days

Reporting To : Sr Divisional Manager

