

## TILAK RAJ

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**Seeking challenging assignments in Production /TPM/MAINTENANCE/Product Development/Designing /Quality/Vendor Management /PPC/ERRECTION & COMMISSIONING with an organisation of high repute**

**Location Preference: INDIA**

### **Professional Synopsis**

Technically accomplished professional with over 24.09 years of rich experience in HPDC,GDC,LPDC,CORE SHOP, Aluminum die casting & Foundry(ferrous & non ferrous) (**ALL FERROUS & NON FERROUS SECTIONS ( FOUNDRY,HPDC,LPDC and GDC, shell core, HEATTREATMENT,MELTING FETTLING)** Cast Carbon, Alloy and Stainless Steel, Grey Iron, SG Iron Operations, product & process development, Plant Operations, Quality, Safety, Project Execution, People Management. Currently designated as a **AGM OPERATION-OPERATION HEAD EXPORT DIVISION WITH SUNBEAM LIGHTWEIGHTING SOLUTION PVT. LTD. GURUGRAM**. Proven abilities to enhance production process operations, optimize resource & capacity utilization, escalate productivity & operational efficiencies; while curtailing costs & expenses. Depth in managing technically advanced, cost-efficient, state of the art Production Systems and Processes. . An enterprising leader with abilities in leading multi-skilled motivated teams to achieve organizational goals and industry best practices. an enterprise leadership with proven dexterity in leading & personnel towards accomplishments of a common goal, an effective communicator with excellent relationship management skills & strong analytical leadership, decision making , problem solving & organizational abilities.

**Core Competencies**

### **Production Planning & Designing**

- ✓ Overseeing production related tasks including planning, procurement, control & trouble shooting for achieving the planned periodic schedules and targets.
- ✓ Preparing & implementing Operating Procedures and Work Instructions.
- ✓ Planning & implementing the preventive & predictive maintenance schedules for improving the overall reliability and safety of plant, personnel and production processes.
- ✓ Development, control, monitoring of foundry aluminum die casting processes
- ✓ Executing methoding & metallurgical process designs.
- ✓ Performing cost saving and energy saving techniques/measures and modifications to achieve substantial reduction in O&M expenditures.
- ✓ Minimizing performance bottlenecks for attaining high productivity with optimum utilization of men, material & machine.

### **Supplier Development**

- ✓ Identifying and developing suppliers for procuring all equipment/ machinery/ raw materials including components, items, etc. to meet parameters. Ensuring the set up of state of the art production facility.
- ✓ Negotiating with suppliers for selection & procurement of project material/ equipment at reasonable rates.
- ✓ Assessing supplier performance at regular intervals on pre-determined parameters.

### **Quality Control**

- ✓ Interacting with the Quality Department for detection of potential deficiencies and implementing corrective actions. Maintaining Quality Systems and Process Control Records.
- ✓ Conducting In-process audit to prepare work instruction at required stages for quality awareness to avoid defect passing.
- ✓ Deploying problem solving tools such as 7QC, Poka Yoke, 5 S and Kaizen for quality and productivity improvement.
- ✓ Assuring conformance of the product to safety norms and specifications
- ✓ Ensuring adherence to quality & safety standards and maintaining all related documents.
- ✓ Identifying areas of quality failures through root cause analyses and take steps to rectify the system.
- ✓ Ensuring adherence to quality & safety standards and maintaining all related documents

### **Operations & Maintenance**

Planning & implementing preventive & breakdown maintenance schedules of utilities for improving overall reliability and safety of equipments & machinery.

Conducting failure investigation analysis to identify gaps & take corrective measures so as to reduce equipment downtime & maximize plant availability.

Allocating equipment, managing breakdown, scheduling & planning of maintenance and coordination with other service departments.

Ensuring production in Shell Core Department and scheduling all the maintenance activities with resource requirement for higher productivity, labor efficiency & better utilization of equipment and preparation of annual maintenance job schedule.

### **Work Experience**

**Currently working with Sunbeam Lightweighing solutions pvt. Ltd. Gurugram as a Operation head (A.G.M-OPERATIONS) with PDC-Export and Domestic division looking after the overall production, maintenance ,die maintenance, fettling, shot blasting operations activities. From September 2019 to till date.**

At the Pressure Die Casting unit, to adhere to and deliver as per the production plan, in order to meet the requirement of customers. To optimize production by leveraging plant capacity and monitoring quality and cost parameters. To contribute towards process improvement, and to enhance safety and environmental norms.

## **Key Responsibilities- ( Strategy)-**

- Responsible for the departmental operational budget, drive process efficiency and optimize resources to reduce costs.
- Assist AVP Machine shop in forecasting various capital and running costs for the PDC I plant at the start of the year or month and review basis new orders
- Responsible for maintaining quality, ensure appropriate deployment of operators, ensure machine maintenance and safety; optimize labour, cost and machinery
- Participate in training and projects to create and maintain continuous improvements in products, processes and quality to help maintain and reduce waste and cost.
- Plan production in accordance with sales forecast and customer requirements

## **Process Excellence-**

**Good knowledge of Die casting machines-Buhler-1800T,1400T,1300T,840T,530T, 1650T.Toshiba,800TToshiba,650T.YIZUMI,400TYIZUMI,500t.Toshiba,150t,,80ton,850T. UBE ,500t zitai,660T,HMT-660T.,400TON, 630T LK,560t.Zitai Machines**

- Develop a "visual" factory—a consistent plan to deploy signs so that movement of labor and material is easily identified—with machine cleanliness, metal and dye management, gangway identification being a few steps that will impact overall process efficiency and ensure production on target.
- Establish procedures, guidelines and instructions for PDC

## **(Execution ) Monitoring-**

- Responsible for all aspects of PDC-I production, quality and execution after the final plan is received from the Process review team.
- Work with Quality to ensure the customer specifications are met
- Closely monitor any variance in cost of production such as tools, consumables, power etc.
- Monitor any purchase activities related to the PDC department
- Responsible for PQCDMS—Production, Quality, Cost, Delivery, Safety and Morale indicators, and take appropriate measures for acting on any area of concern
- Puts in place effective plan for identification and removal non-value adding processes, bottlenecks etc.

## **Production & Safety-**

- To ensure the cycle of production—die selection, loading, manufacture, machining, controlling rejects, is systematic and maintained in accordance with the production plan
- Responsible for trouble shoot and problem solving jobs to reduce scrap and improve the efficiency in all manufacturing processes
- To minimize variance in production plan and actual production, reduce scrap at each stage and optimise machine usage so that the production proceeds within plan and forecast
- Ensure adherence to safety standards, and champion the use of safety norms and equipment.

## **People Management-**

### **Team Development & Motivation-**

- Continuous training of production staff and workers in process to insure understanding and the relationship to quality and cost.
- Responsible for ensuring that the Appraisal, review and development scheme is under taken for all the white collar employees
- Drive continuous improvement in safety, quality, cost and delivery
- To keep employee morale and engagement high

**Worked with Rico auto ind. Ltd. Gurugram designated as SR. Production Div. manager (Aluminum Die Casting FROM FEB. 2013 TO SEP.2019.**

- ✓ Handling production of cylinder head castings as per Production plan approved. Also production of DIE CASTING OF Renault-Nissan VW, PERKINS, Cater-pillar, NISSAN, LAND-ROVER, MARUTI, BENTLEY, HHML, HONDA MOTORS LTD..
- ✓ Interacting with customer & resolving complaints
- ✓ Efficiently ensured the availability of all resources for production
- ✓ Establishing the system for the recording of the corrective action taken, Forming the cross functional team for resolution of the problems
- ✓ Organizing Skill Development Training for all Engineers and Technicians

- ✓ Spearheading operations for managing routine maintenance of HPDC,LPDC & GDC Furnaces (Holding & Melting) & Routine Die Maintenance, routine HPDC ,GDC,LPDC Hotbox core and shell core box maintenance.
- ✓ Conducting field visits for the analysis of the major quality issue
- ✓ **WORKING AS A CFT MEMBER IN REJECTION CONTROL IN HPDC.**
- ✓ **JOB RESPONSIBILITY**
  - ✓ Process Planning
  - ✓ Setting new lines & streamlining the production process for new models in coordination with Engg.
  - ✓ Layout proposals & finalization, Selection of suppliers for Machines, equipments & tooling for assembly, Calling quotations from the suppliers, Technical discussion with suppliers on requirements of machines, equipments & tooling.
- ✓ **Design of Tooling (Special tools & Fixtures) for Die Casting**
  - ✓ Knowledge of Material handling equipments & Design of material handling aids.
  - ✓ Selection of suppliers for Engine Testing facilities, equipment for Die Casting, Calling quotations from the suppliers, Technical discussion with suppliers on requirements of Facilities, inspection equipment's.
  - ✓ Trials at supplier end, Installation & commissioning of equipment's & facilities.
  - ✓ Planning the assembly process, work force, line capacity to achieve the given production Targets. Carry out PFMEA, Preparation of control plans & process flow charts.
  - ✓ Plan for Productivity improvements through NVA deletion, Kaizens, Technology up gradations & elimination of motion losses, etc.
  - ✓ Improve productivity by Automation of assembly process.
  - ✓ **Assembly Line Balancing, MOST & Work Standardisation.**
  - ✓ Developing & implementing innovative ideas resulting into **Productivity improvements, Cost Reductions, Safety improvements, Kaizens.**
  - ✓ Well Versed with **TS 16949, Lean Manufacturing.**
  - ✓ Proficient in **APQP, PPAP.**
  - ✓ Problem solving techniques through **"Design of Experiments".**

✓ **Working with ENDURANCE TECHNOLOGYST (P)LTD, designated as Production In charge as DY.Mgr. (Aluminum Die Casting GDC & HPDC ) FROM JULY 2011 TO feb13.**

**New TATA ACE project installed with auto pouring & run it successfully.**

- ✓ Handling production of cylinder head castings as per Production plan approved. Also production of Hotbox Sand Core making of all Cylinder Heads (**BOTH HOT & COLD CORE MAKING PROCESS**) (Tata Motor) & Liquid Metal. .
- ✓ Interacting with customer & resolving complaints
- ✓ Efficiently ensured the availability of all resources for production
- ✓ Establishing the system for the recording of the corrective action taken, Forming the cross functional team for resolution of the problems
- ✓ Organizing Skill Development Training for all Engineers and Technicians
- ✓ Spearheading operations for managing routine maintenance of GDC Furnaces (Holding & Melting) & Routine Die Maintenance, routine Hotbox core and shell core box maintenance.
- ✓ Conducting field visits for the analysis of the major quality issue

**Key Deliverables:**

- ✓ Charting out a product quality plan for a product/service, for improved customer satisfaction.
- ✓ Bench marking areas which are identified, understood & adapting best practices from the organization / other business to improve the performance.
- ✓ Brainstorming for various issues with participation of all genial for solving defects.
- ✓ Carrying out process modification techniques to reduce end process rejection.
- ✓ Planning monthly production target and manpower according to the competency of individuals.
- ✓ Also planning Die maintenance according to the customer schedule.
- ✓ Reviewing daily production & taking corrective action plan for rejections.
- ✓ Meeting the timely (Daily / Weekly / Monthly) Production and Dispatch Targets.
- ✓ Carrying out Root cause analysis of process variation & casting defects.
- ✓ Performing data analysis and accordingly making the process normal.
- ✓ Minimizing metal & sand loss by implementing better practices
- ✓ Carrying out Sand testing methods such as loss of ignition, AFS No., etc.
- ✓ Reduce die and core box change over time and Operators fatigue by modifying machine layouts, Kaizens.
- ✓ Leading an Integrated Manufacturing operations team using the principles of teamwork, continuous improvement & innovation in areas of Production Management & Process Engineering responsibilities.

- ✓ Engineering, Materials, Sourcing, Maintenance & HR to ensure the smooth running of operations & continuously improve all areas of manufacturing operations Support initiatives around TS-16949, ISO9000, ISO14000:2004 & Ohsas 18001:2007.
- ✓ Responsible for TPM in die casting
- ✓ Monitoring In house rejection, so as to track internal rejection and request corrective actions from the respective responsible departments

#### **MAY.2000- JUL.11 With SUNBEAM AUTO(P) ltd. Gurgaon as a Asstt. Mgr.**

**WORKING EXPERIENCE OF ALL FOUNDRY SECTIONS making Cast Carbon , Alloy and Stainless Steel, Grey Iron, SG Iron & ALSO MAKING DRY AS WELL AS GREEN SAND CORE (FOR BOTH HOT & COLD PROCESS) FOR HERO HONDA AND MARUTI UDHYOG LTD. COMPONENTS .**

- ✓ New product development aluminum castings of cylinder heads of Hero Honda Cylinder head & Maruti Intake manifold
- ✓ Modified dies, thus resulted in increase in production and die life and reduced maintenance costs.
- ✓ Successfully implemented 5s in plant.
- ✓ Improved productivity of operator and OEE of Machine.
- ✓ Played a key role in minimizing metal & sand loss by implementing good practices.
- ✓ Pivotal in reducing die and core box change over time and Operators fatigue by modifying machine layouts, Kaizens.
- ✓ Responsible to discuss with customer any capacity confirmation
- ✓ Responsible for implementation of all engg. Change notes in process,
- ✓ Ageing analysis & inventory control, monitoring inventory level & valuation of inventory for audit.
- ✓ Dispatch planning & ensure the delivery, presenting monthly MIS, Internal auditing & all documentation of quality system closely coordinating with customer for delivery adherences.
- ✓ Preparation of various type of report pertaining to plant, Machine downtime & material consumption.
- ✓ Conducting monthly planning meeting to address the constraints & countermeasure for next three months customer projections.
- ✓ Maintaining dynamic systems for minimum & maximum level of inventory in all super stores.
- ✓ Carrying out maximum utilization of the available resources.
- ✓ Developing Proto & Pilot batches of new model at vendor stage
- ✓ Conducting trials of new dies tooling and at vendor end.
- ✓ Carrying-out vendor development of castings proof machining, core making and fettling
- ✓ Working for new plan set up ((**LPDC, GDC, Core Making (BOTH HOT & COLD PROCESS)**)), good knowledge of layouts planning for the optimum utilization of space & equipment.

#### **Achievements**

- ✓ Successfully reduced LDO and F.O. cost by adapting better practices nearly by 15%.
- ✓ Successfully reduced cylinder head foundry defects from 6 % to 2 % by taking corrective action in dies and core boxes and controlling process variations.
- ✓ Awarded special increment & promotion by the company in the year 2006, 2008 & 2010.
- ✓ Planning & maintaining of environmental standards by providing latest facilities.
- ✓ Establishing, monitoring processes and guide/coach production unit and associating to manufacture products as per plan within the budget.

#### **JULY'96-TO APRIL 2000 with (Marigold) auto engg. (p)ltd. As a asstt. Engineer .**

##### **Key Deliverables:**

Making hydraulic Power pack & C.I PUMP for automotive sectors

- ✓ Modified dies, thus resulted in increase in production and die life and reduced maintenance costs.
- ✓ Successfully implemented 5s in plant.
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- ✓ Preparation of various type of report pertaining to plant, Machine downtime & material consumption.
- ✓ Conducting monthly planning meeting to address the constraints & countermeasure for next three months customer projections.
- ✓ Maintaining dynamic systems for minimum & maximum level of inventory in all super stores.
- ✓ Carrying out maximum utilization of the available resources.
- ✓ Handling customer complaints.

#### **Academia**

<b>2013</b>	<b>B.TECH FROM IIIE, NAVI MUMBAI</b>
<b>1996</b>	<b>Diploma in Automobile Engineering</b> from V.T.I ROHTAK,HARYANA
<b>1990</b>	<b>H.S.C</b> from BOARD OF SCHOOL EDUCATION HARYANA BHIWANI
<b>1992</b>	<b>S.S.C</b> from BOARD OF SCHOOL EDUCATION HARYANA BHIWANI

#### **Other Certifications:**

**2009**

1 year Diploma in COMPUTER SOFT WARE from Institute of  
Management Research and Career Development GURGAON, HARYANA

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**IT Skills**

Proficient in MS Office and other basic computer applications

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**Personal Dossier**

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FULL NAME	TILAK RAJ
AGE ( DATE OF BIRTH)	06/12/1974)
Current Industry	Sunbeam Light weighing solution pvt. Ltd. Guru gram
CURRENT DESIGNATION	AGM-Operations(Operation head Hpdc)
TOTAL EXPERIENCE	24 .09 YRS
PREFERRED DESIGNATION	DGM AND ABOVE
CURRENT LOCATION	GURUGRAM (HARYANA)
PREFERRED LOCATION	DELHI/NCR
Department	HPDC,SHELL CORE, GDC & LPDC, HEATTREATMENT,MELTING,FETTLING SHOP
CURRENT INDUSTRY	AUTOMOTIVE DIE CASTING & (FOUNDRY)
PREFERRED INDUSTRY	FOUNDRY & (DIE CASTING) AUTOMOTIVE
Salary Drawn	17 Lakh P.A.
SALARY EXPECTED	NEGOTIABLE
NOTICE PERIOD	ONE MONTH
PRESENT ADDRESS	899P,SEC-9A GURGAON)                      Contact number - 9953120347, 9873690899
Email id	<a href="mailto:tilakraj0899@gmail.com">tilakraj0899@gmail.com</a> , <a href="mailto:rajtilak0001@gmail.com">rajtilak0001@gmail.com</a>
TIME REQUIRED JOINING	-One Month
HIGHEST QUALIFICATION / YEAR OF PASSING /UNIVERSITY ETC.	- B. TECH FROM IIIE NAVI MUMBAI
INDUSTRY TYPE	AUTOMOTIVE
VALIDITY OF PASSPORT	N/A
IS YOUR PROFILE MATCHING YES/NO	YES
IMMEDIATE CONTACT MOBILE NO.	9953120347
Contact number	9873690899, 9953120347