

## Sangram Prakash Jadhav

[sangram.jadhav49@gmail.com](mailto:sangram.jadhav49@gmail.com)

Phone no.: +91 8275913681/ 7498001087

Flat No 31, D1 Rakshalekha Society,

Dattawadi, Pune, Maharashtra-411030

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### **OBJECTIEVS:**

My career objective is to attain a spear heading position in related work spheres. I'm strongly inclined to work in challenging projects that demand a high level of energy and expertise from me and also satisfy my quest for learning.

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### **TOTAL EXPERIENCE:**

5 years of rich experience in **JSW STEEL LTD, Dolvi** in **Mechanical Maintenance and Total Productive Maintenance.**

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### **NOTABLE CONTRIBUTIONS AND ACHIEVEMENT:**

- Completed **Quality Circle projects:**
  - To minimize delay during Billet Lifting due to mis-operation of DSB.
  - Instalment of vertical stand spindles.
  - Installation of Divide Shear triggering system to avoid equipment damage from high speed rolling rebar.
- Completed target for financial year (2017-2018) of clearing **JH step 3 of Lubrication System** and Step 2 for **Tail Breaker Gearbox assembly.**
- **Implemented nu** to enhance productivity & safety with one of the Kaizens being awarded as **best KAIZEN of the month in Safety Category.**
- **Completed 5 days** training on Industrial Safety Courses conducted by JSW, Dolvi, Selected as **safety commondo.**

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### **TRAINING PROGRAM ATTENDED:**

- TPM Facilitator Course training (3 Days training program)
- TPM 8 Pillars training
- 5S
- 7QC Tools

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### **ORGANISATIONAL EXPERIENCE:**



**JSW Steel Ltd, Dolvi, Raigad**

**Junior Manager- Bar Mill Mechanical Maintenance (May'14 To Feb'19)**

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### **PROJECT AND COMMISIONING:**

- **Erection and commissioning of equipment Hydraulic Systems, Lubrication Systems,** followed by plant trial runs; meeting targeted performance/ quality & quantity parameters and thereafter handing over for regular plant usage.
- **Installation of all Piping** required for **Hydraulic, Lubrication, Compressed Air, Instrument air** and **Air-Oil Lubrication.**
- **Monitoring projects** with respect to cost, resource deployment, time over-runs, quality compliance and Manpower planning to ensure timely execution of projects.
- Coordinating activities across rolling mill for the set-up standards with accountability for **strategic utilization & deployment of available resources** to achieve organizational objectives.
- Ensuring effective site management and discipline to ensure safe & timely execution of the projects.

- **Leading, mentoring & monitoring the performance** of the team to ensure efficiency in process operations & meeting of individual & team targets.
- **Identifying areas of improvement** and taking steps to rectify the system with preventive and corrective action to avoid the reoccurrences.
- **Inventory Control required** during **project advancement** to achieve **cost optimization**.

#### **MAINTENANCE:**

- **Preventive and Corrective Maintenance** of all mechanical equipment of Reheating furnace including Roller Tables, Gear box, Billet Lifting Chain Mechanism.
- Daily Monitoring of Hydraulic and Pneumatic system and its cylinder to achieve desire machine availability. **Preventive maintenance of Hydraulic system** for Walking Beam Mechanism.
- **Preventive** and **corrective maintenance** of **Gear Boxes**.
- Daily monitoring and **maintenance of Lubrication systems** to ensure smooth and reliable running of gearboxes in rolling mill.
- **Break down and Root cause analysis** of all unplanned maintenance.
- Maintaining all maintenance data through **Daily Compliance Report** and making **MIS** on Weekly basis.

#### **INVENTORY CONTROL OF SPARE PARTS:**

- **Maintaining buffer stock** of all spare parts of mechanical equipment to **ensure smooth running** of plant and achieve desire target within time
- Understanding the **goals of any inventory control** system.
- Manually updating inventory with the **help of software management** to maintain minimum stock

#### **TOTAL PRODUCTIVE MAINTAINANCE:**

- Formation of **Plant Level 5S** & carried out zone wise improvements & sustenance in 5S activities across the Plant.
- Developing **TPM master plans** for individual Pillars, pursuing & monitoring progress as per plan.
- Responsible for identifying TPM related training needs, preparation of training material and **conducting the training** programs to operators and supervisors' level.
- Focus on **activity side improvement** and completion of all assignments given by customer & TPM consultant on monthly basis.
- Review & support with Overall **coordination of Pillar / Circle activities** by conducting the circle meeting, pillar head meeting, steering committee meeting daily, weekly, monthly basis.
- Conducting **TPM awareness program** in every week to all the employees to change their work culture through TPM.
- Coordinating suggestion schemes and Kaizens to achieve company target 2/Emp/Month.
- Initiate to Quality Circle teams for participation at **Internal & External Kaizen Competition**.
- Responsible for **preparing the 8-pillar presentation** coordinating with respective pillar chairman.
- Monthly monitor the **PQCDSM parameter** and Maintain Plant TPM activity display board and Communication and promotion of TPM activities in the plant by displaying TPM boards, TPM events, pamphlets, newsletter etc.
- Responsible for **DWM (Daily work management)** activity implementation in line with 14 control points.
- **Root cause analysis of Breakdown with WHY WHY analysis**, Machine shop & Assy stage and preparing corrective/preventive action plan using 7QC tools (e.g. Kaizen, One-point lessons).
- **Create/ update/ maintain quality manual, procedures, work instructions, formats**
- Coordinate and **Carry out process and system audits** and ensure that actions are initiated on deviations.
- To prepare **SOP & SMP** to ensure proper & safe working of both workforce & machinery.

#### **SAFETY:**

- **Accountable** for **Safe and Unsafe works** which are under progress in plant.
- **Appointed as** a **SAFETY COMMANDO** for the plant **to reduce LTIFR** (LOST TIME INJURY FREQUENCY RATE) and maintain it within target .

- Tracking daily **accident-prone area and work** to ensure zero incident and maintaining healthy environment.
- Used to **arrange Monthly Safety Skit** on different type theme **to create awareness** about safety among workers .
- Monitoring daily **SAFETY OBSERVATION** filled by workers and **rectification of those observation** to eliminate incident potential .
- Used to make **monthly one KAIZEN on Safety Theme** .

#### **PROJECTS UNDERTAKEN:**

- Project Name – **Removing damaged spindle and Instalment of vertical stand spindles.**  
Effect – **Reduced MTTR**  
This project focused on reducing the repairing timing and resuming system. Thus, increasing productivity to achieve target. Being a new concept, it required numerous brainstorming sessions with the vendor to make it suit at site.
- Project Name – **Reducing Delay during billet lifting due to mis-operation of DSB.**  
Effect – **Increased Productivity**  
Improper lifting of Billet occurred most frequently making it a highlighted issue. This problem was solved using Quality Circle as a tool by my team. It included design modification of existing DSB arm.
- Project Name – **Installation of Divide Shear triggering system to avoid equipment damage from high speed rolling rebar.**  
Effect– **Avoid Equipment damage from hot metal traveling at speed 45m/s**  
Hot metal at speed deflects while running through nozzle due to nozzle material failure and has potential to damage all equipment's present in its vicinity. To avoid this Mechanically activated triggering system introduced to cut that hot metal.

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#### **PROFESSIONAL & ACADEMIC CREDENTIALS:**

- B.E. (Mechanical engineering) from K. K. Wagh Inst. Of Engineering Edu & Research, Nashik, Pune university, 2014 with distinction class.

#### **Skill developed: Professional software –**

- MS-office, MS- word, MS-excel and MS-power point
- AutoCad, ProE, Ansys

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#### **PERSONAL DETAILS:**

Date of birth : 20<sup>th</sup> December, 1992  
 Permanent Address : SHINDE PRIDE, Flat No 101, Chinmay Park, Vasant Nagar, Sangli, 416416  
 Marital Status : Unmarried.  
 Languages known : English, Hindi, Marathi  
 Hobbies : Playing Cricket, swimming, & reading.