

# SARAVANAN BALARAMAN

WORKSHOP ENGINEER - PMV

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## Objective

Dedicated and results-driven **Mechanical Engineer** in **PMV maintenance management**. Seeking a leadership role in a **dynamic construction, mining, or heavy equipment organization** to utilize technical expertise, strategic planning, and team leadership to improve **operational efficiency, reduce downtime, and optimize equipment lifecycle management**.

## Core Competencies

Asset Life Cycle Management

Equipment Maintenance & Management

Reliability Improvement

Preventive & Predictive Maintenance

Maintenance Planning

Equipment Troubleshooting/Diagnostics

Spare Parts Inventory Management

Budget Formulation & Management

Team Leadership & Development

Decision making

Resolving issues

Safety Compliance & Training

CMMS, ERP

CAPEX

## Education

- Diploma in Maintenance Engineering and Management - Annamalai University (2008)
- Bachelor of Engineering in Mechanical Engineering - University of Madras (2004)
- Diploma in Mechanical Engineering - Technical Board Tamil Nadu (2001)

## Profile Summary

Highly skilled **Mechanical Engineer** with **21+ years of experience** in **PMV (Plant, Machinery, and Vehicles) Maintenance management**. Proven expertise in **asset lifecycle management, preventive & predictive maintenance, troubleshooting, and strategic planning** to enhance equipment reliability and operational efficiency. Strong leadership in managing large team with resources optimization and safety compliance. Extensive experience in monitoring and improving **Mean Time Between Failures (MTBF) and Mean Time To Repair (MTTR)** to maximize equipment uptime. Adept at **maintenance planning, spare parts inventory management, OEM collaboration, budgeting, and cost control** to streamline operations and reduce downtime while maintaining financial efficiency. Experienced in **profit improvement through strategic budgeting, repair cost-saving initiatives, and operational optimizations**.

## Wealth of Expertise

**Heavy Earth Moving equipment's:** Dozers, Excavators, Wheel Loaders, Backhoe loaders, Soil compactors, Skid steer loaders

**Material Handling Equipment's:** Crawler cranes (mechanical and Hydraulic), All terrain and rough terrain Mobile crane, E.O.T/Gantry cranes, Telehandlers, Tower cranes.

**Diesel generators** (5 – 1500kva)

**Concrete Production equipment's:** Batching and mixing plants.

**Concrete Transport Equipment's:** Transit Mixers, Stationery concrete pumps, Placer Boom.

**Heavy vehicles:** Heavy Dumpers and Trucks

**Foundation Equipment's:** Hydraulic Rotary Piling rig, Anchoring/Micro Piling machine, Vibro hammers, RCD (Reverse circulation drill).

**Light Equipment's:** Compressors, Dewatering Pumps, Power tools, Welding generator, Boilers, chilling plants, Tower Lights etc

**Concrete Precast plant:** (Elematic) Hollow core slab Extruders, Slab saw, Bed master, tilting machines, wall panel vibrating tables, Concrete transport shuttle.

**Railway Construction equipment's:** NTC (track construction machine), Tamping machine, Ballast regulating machine and other related rolling stocks (Harsco & Plasser machineries).

## OEM Exposure

Caterpillar, JCB, Terex, Komatsu, Hitachi, Bobcat, Sany, Grove, Schwing Stetter, Putzmeister, Simem, Kobelco

## Professional Experiences

**Plant Engineer – PMV Central Workshop, El Seif Engineering contracting, Saudi Arabia (Feb 2024 – Till date)**

- Planning and Scheduling of Fleet repair (Monthly and Weekly)
- Inspection of Equipment's and Generation of technical report for repair assessment.
- Spare Parts planning and Procurement for repairing of equipment's.
- Ensure quality Rebuild/Repair of Engines, Transmissions, Hydraulic components, Electrical systems, etc.
- Repair cost analysis and Approval for Major Overhauls /Repairs.
- Ensure Economical repair and Timely disposal of assets after technical review of maintenance history.

### **Certification**

- Certified Maintenance and Reliability professional CMRP (2017)
- Certification in Industrial Safety – National safety council, India (2019)
- Certified Trainer – National Skill development council, India (2020)
- Certification in Safe Use of Lifting appliances and Lifting gears – National safety council, India - 2022

### **Professional Membership**

- Member Saudi council of Engineers (2024-25)
- Member Indian Institute of Engineers (Since 2019)
- Chartered Engineer Indian Institute of Engineers (Since 2019)

### **Personal Details**

Nationality - Indian

Date of Birth: 16-Nov-1982

Marital status: Married.

Language Known: Tamil, English and Hindi.

Permanent Address: No 3, Ambika Nagar, Madambakkam, Tamilnadu, India 600126.

- Collaborate with OEM and Dealers for enhancing quality repair and Spares arrangement.
- Establish and monitor the Company Preventive Maintenance Program for overall assets.
- Ensuring timely completion of Repairs at workshop and project site to improve availability.
- Conduct delay analysis and Improve repair methods/Technique to enhance productivity with quality.
- Organize Training periodically for Technician to bridge the skill gaps as per latest trends.
- Responsible for job allocation and job flow in the workshop including job scheduling and Manpower allocation for day-to-day operations.
- Optimize utilization of resources and Manpower to improve profitability and productivity.
- Ensure Document management through ERP for cost capturing and Historical records of assets.
- Monitor and ensure quality repairs with External Agency for specialized jobs.
- Fostering Safe work culture in Workshop by adhering company HSE Policy.

### **Senior Manager - Plant and Machinery, Larsen and Toubro Construction (Oct 2022– Feb 2024).**

- Managed Plant and Machinery operations for construction of elevated Viaduct and station for Chennai Metro rail project.

### **Senior Manager - Plant and machinery at Tata Projects Ltd, (Jun 2015 – Sep 2022).**

- Managed Plant and machinery for various type of construction projects - Thermal power plant, Iron Ore Mining and Beneficiation plant, Steel Plant, Railways construction etc

### **Deputy Manager -Plant and Machinery at JMC projects India Ltd, (Jul 2014 – Apr 2015).**

- Managed plant and Machinery activities for Elevated Metro Line construction at Delhi metro rail project.

### **Assistant Manager - plant and machinery at Gammon India Ltd (Aug 2011 – Mar 2014).**

- Managed plant and machinery activities for underground metro rail stations and tunnel construction at Chennai metro rail project.

### **Senior Maintenance Engineer at VME Precast pvt ltd, (Jan 2009 – Aug 2011).**

- Head - Plant and machinery management, Elematic Precast plant.

### **Senior Engineer maintenance at Larsen & Toubro Limited, (May 2006 - Dec 2008).**

- In charge - Plant and machinery management - Transmission Line tower factory and Testing station

### **Engineer – Production at The Eimco - K.C.P ltd, (Jul 2004 – Apr 2006)**

- Production engineer - heavy machine shop and heavy rotating equipment fabrication shop.