

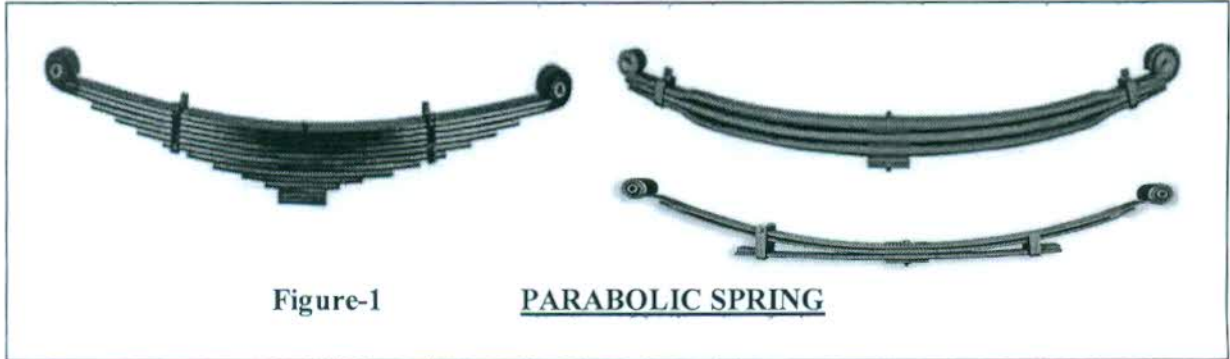


CHENNAI

COMPANY PROFILE

1. Company Plant/Factory Profile

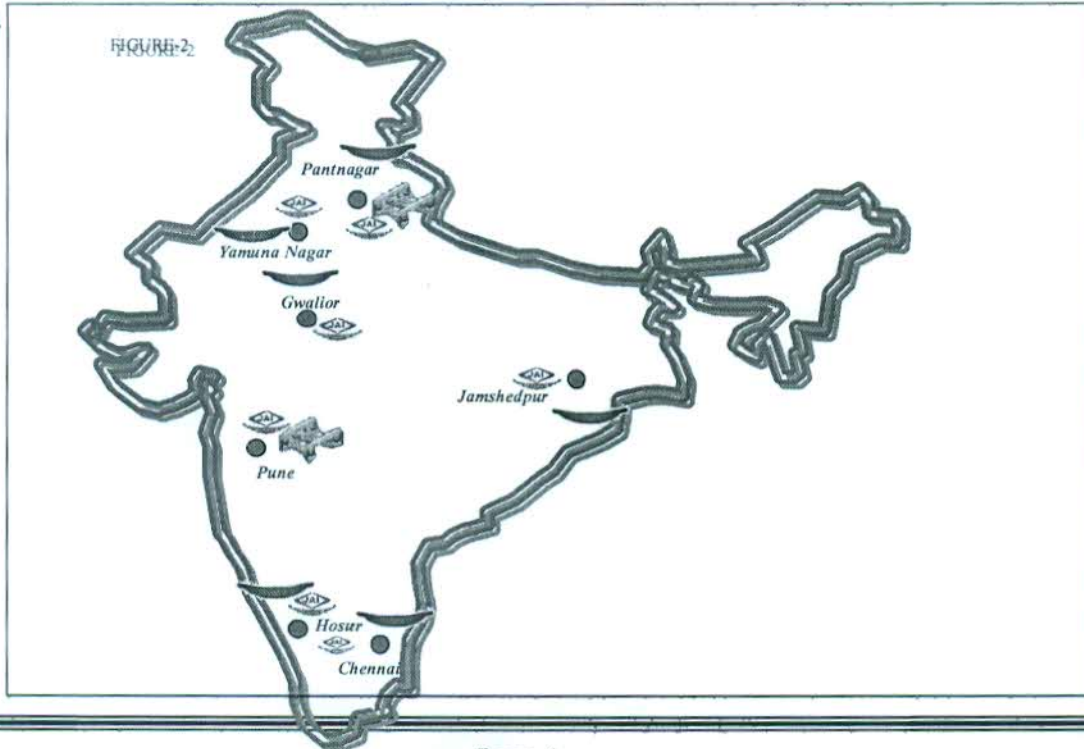
1.1 Jamna Auto Industries Limited is the largest manufacturer of Conventional springs and Parabolic springs for commercial vehicle (CVs) in Indian. Jamna Auto Industries Limited is founded by Mr. Bhupinder Singh Jauhar (Figure -1).



Mr.Bhupinder Singh Jauhar started the conventional Leaf Spring business in 1954 in a small shop in Yamunanagar (Haryana-India) which was converted into a company from the year 1965.

Jamna Auto Industries is a public limited company with Mr. Randeep Singh Jauhar as the Chairman, and Mr..Pradeep Singh Jauhar as Managing Director & CEO with an overall turnover of 2400 Crore Rupees.

1.2 Jamna Auto Industries has seven strategically located manufacturing facilities in India at Yamunanagar (Haryana),Malanpur (near Gwalior-Madhya Pradesh), Chennai (Tamilnadu), Hosur (Tamilnadu), Jamshedpur (Jharkhand) ,Pune (Maharashtra) and Pantnagar (Uttarakhand) (Figure-2: Map of India).





CHENNAI

COMPANY PROFILE

Jamna Auto Industries has also an indigenous R&D Centre in Pune capable to design Multi, Parabolic Leaf spring ,Lift axles and air suspension for all automobile application and has a capacity to produce 240000 Metric Tonnes /Annum.

Jamna Auto Industries is the market leader with 64% market share in the Indian Automobile OEM Segment and produces about 410 models of springs for OEM.

The TPM Applicant company, Jamna Auto Industries Limited (JAI)-Chennai Plant is established in the year 1997 which is located 25 Kms from the city of Chennai, Tamil Nadu, India.

JAI-Chennai plant specialises in both Conventional and Parabolic leaf springs production and has Production capacity of 54000 Metric Tonnes/Annum.

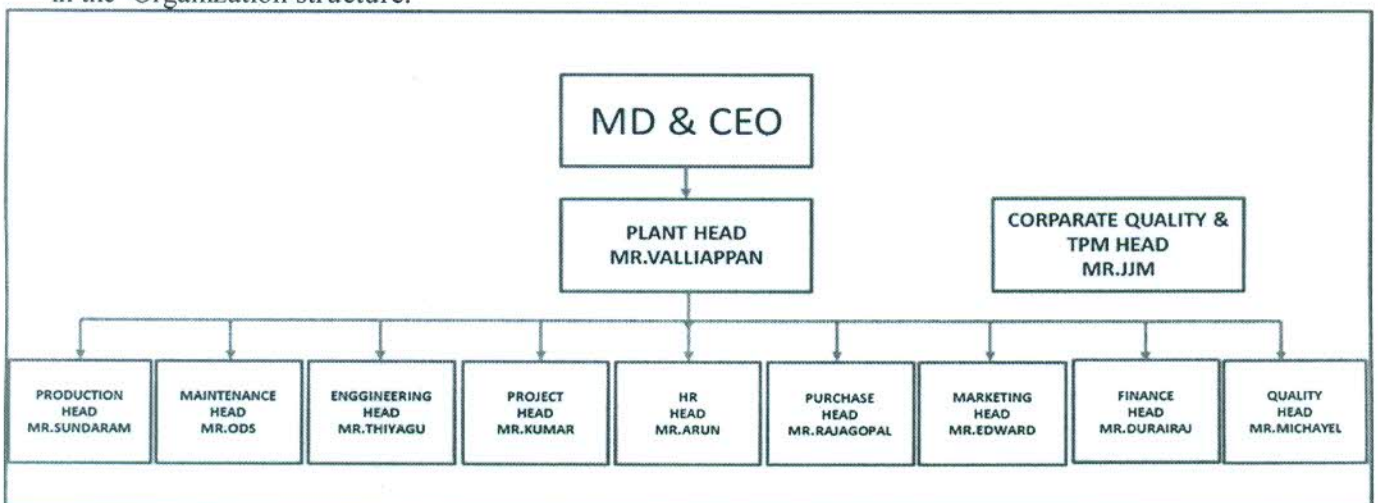
JAI-Chennai supplies to all Automotive OEM's of INDIA for Heavy, Medium and Light Commercial Vehicles contributing to 25% of OEM Business of the Jamna Group.

JAI – Chennai's Major OEM Customer and Share of Business (SOB) are as follows:

CUSTOMERS	SOB in %AGE
• M/s ASHOK LEYLAND	68%
• M/s DAILMER	100%
• M/s VOLVO INDIA	100%
• M/s ASHOK LEYLAND -NISSAN	100%

JAI-Chennai Plant has state of the art manufacturing process technology in place, significantly with Robotic Eye Rolling, Robotic Parabolic Rolling, Automatic shearing line, Auto controlled Heat Treatment process, Automatic stress shot peening machine and Automatic paint shop.

JAI-Chennai plant is headed by Mr. T.Valliappan–Associate Vice President with support staff as represented in the Organization structure.





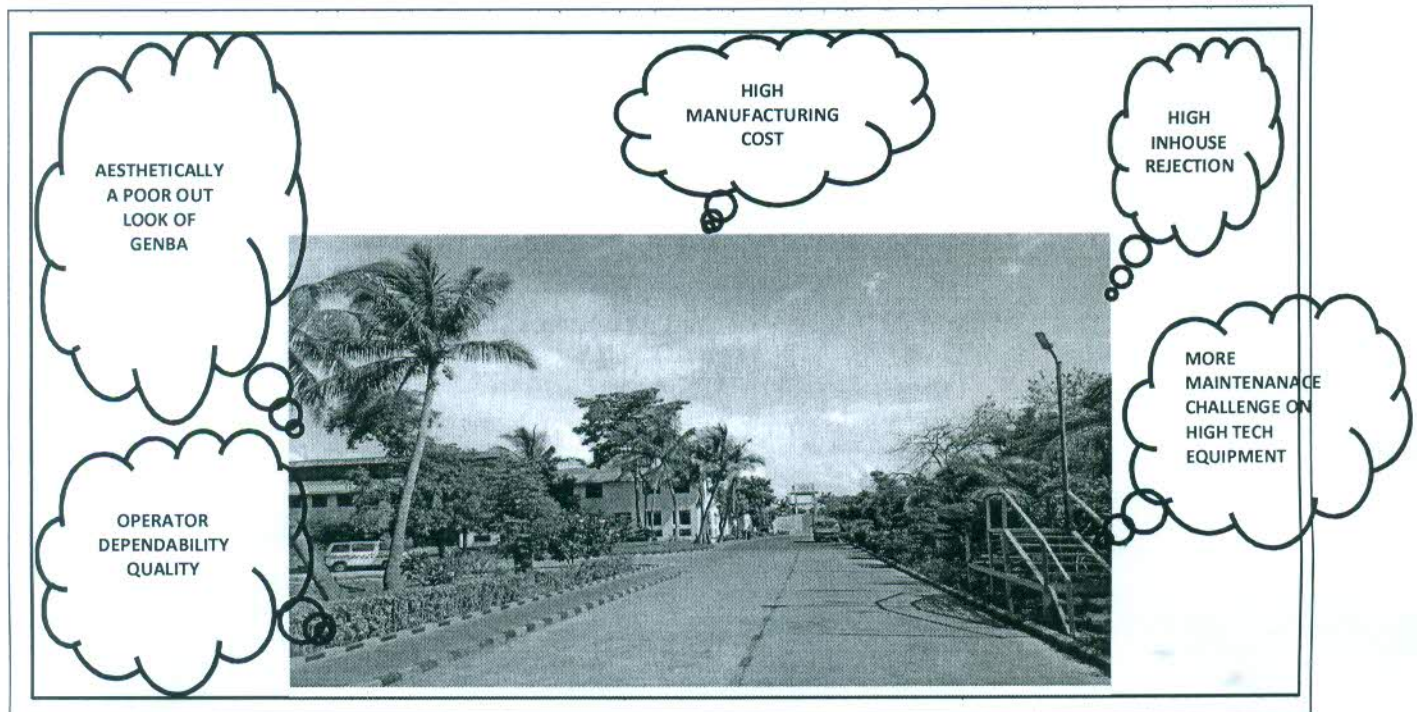
CHENNAI

COMPANY PROFILE

2. Milestone on the Journey of Manufacturing Excellence.

Jamna Auto Industries –Chennai plant had a prevailing Conditions of high manufacturing cost, more maintenance challenge on high tech equipment, aesthetically a poor outlook of Genba, high in house rejection, operator dependability quality prior to the start of TPM journey.

The schematic diagram depicts the prevailing condition and their factors.



Jamna –Chennai Plant realised that TPM methodology would be the apt tool providing solution for the above condition which is well defined and covering all aspects of organization viz Technical, Commercial, Administration, Finance functions.

Hence JAI-Chennai decided to embrace TPM as a Company policy and implement the same in all aspects of Organisations function with able guidance from the Sensei Kozo Mizota San, Consultant from JITPI, Japan.

Some of the major items introduced on the commencement of TPM journeys are as follows

- Manager Model machine Concept.
- Automation of Production lines viz, Heat treatment line, Parabolic process to improve productivity.
- IC for vertical start up for new equipment.
- Improved layout through clear Gangways and fixed position.
- New design concept on tooling & Fixtures for Manufacturing process

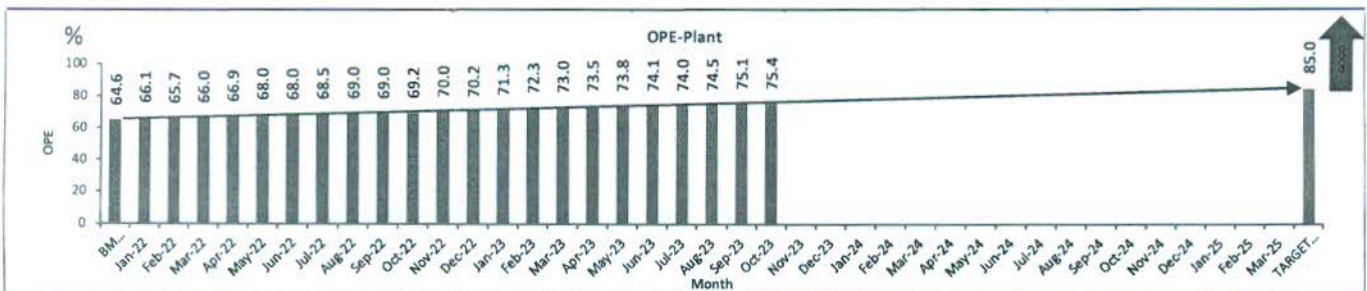
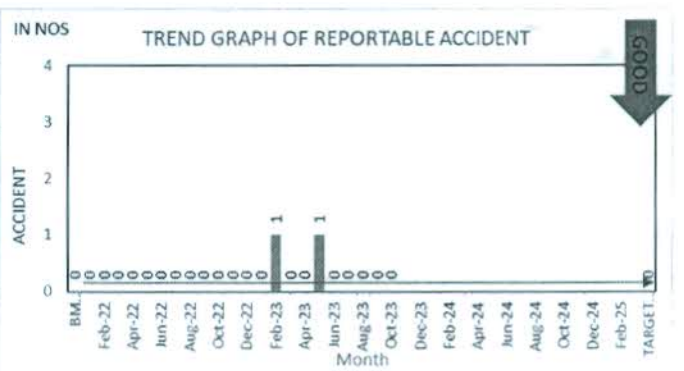
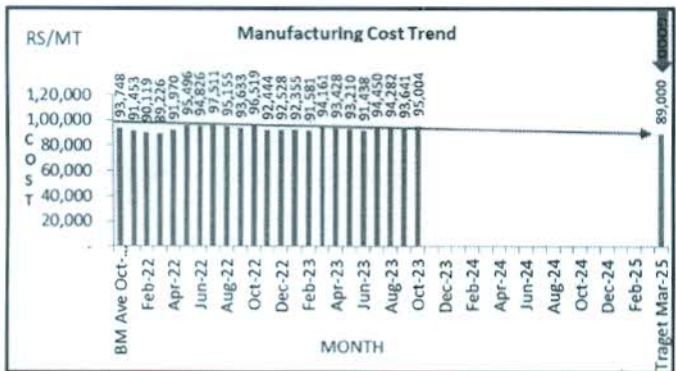


CHENNAI

3. Benefits Achieved

3.1 TANGIBLE BUSINESS RESULTS

	PRIOR TO START OF TPM (2021)	2025
• QUALITY(NO.OF CUSTOMER COMPLAINT)	11/Year	0
• MAINTENANCE (NO. OF MAJOR BREAK DOWN)	155/Month	0
• MANUFACTURING COST(VARIABLE COST/TON)	93748/Month	89000
• SAFETY (NO. OF REPORTABLE ACCIDENT)	2/Year	0
• OEE –PLANT (%AGE)	65%	85%





CHENNAI

3.2 INTANGIBLE

- Outlook of Gemba with Customer Expressing /delight.
- Employee morale high due to improved –availability of machine's & belief in TPM activity.
- Company Overall outlook appreciated by all stack holder.
- Overall working ambience – boost resulting in better morale to operators & Staff.
- Willingness to follow system.
- Vendor Acceptance level up for better quality & delivery commitment.

4. Quality Improvement & Consistency –Through improved measurement methods.

- New Product Development.
- Safety
- New Technology for productivity improvement.
- Consistency & Sustenance through E & T Pillar Approach
- Multi skilling & Operator Education

5. Achievement Result (Refer TPM Award Achievement Sheet)