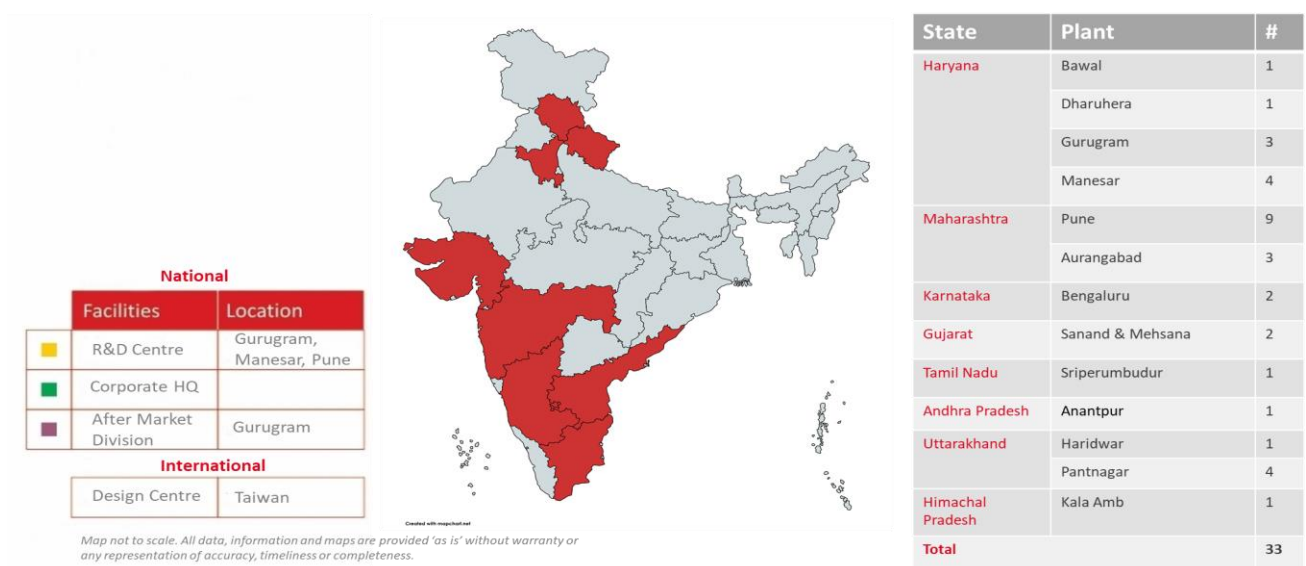


1. Company, Plant / Factory Profile

Under the umbrella of “DK Jain Group” has 15 (Fifteen) Entities, 37 (Thirty Seven) Manufacturing units, 6 (Six) Design & Engineering centers (India, Taiwan and Czech Republic) with a total work force of more than 12000 (Twelve Thousand) employees. Total group sales turnover is US\$ 1 Billion (FY 2023-24).

The D K Jain group has Auto Component manufacturing capabilities across several product categories including End-to-End Automotive Lighting solutions, Air Intake systems, Integrated Plastic Modules, Gear Shifters, Seat Structures & Mechanisms, 2Wh Chassis, LED Lighting, Aerospace & Defense Engineering Services, Electric & Electronic Components etc. Lumax is world leader in Auto Lighting with 60% market share.

It has joint venture collaborations with several leading global Auto players – Stanley & SL Corporation for Lighting, HVAC Panels and Electronics, Cornaglia for Air Intake Systems, Mannoh for Gear Shifters, Gill-Austem for Seat Structures & Mechanisms, IAC (Vehicle Interior System & Components: Door Panels, Instrument Panels & Cock Pit), JOPP (Transmission Products), Yokowa (On-board Antennas) ALPS Alpine (Electric Devices & Components – Power Window Switches), Ituran (Telematics Products & Services), IO Industry Co. Ltd. (Technical for Kinematic Components, IP Lovers, Pre Coloured Garnish, Metal to Plastic Conversion) & FAE for Oxygen Sensors.



1.1 LUMAX Auto Technologies Ltd.

Lumax Auto Technologies Limited established in the year 1981 is a Public Limited company with turnover of USD 159.20 million FY 2022-23. It has 8 (Eight) manufacturing plants spread across India strategically located near to OEM's (Customer) amongst which 2 (Two) plants are in the city of Gurugram (Haryana) near New Delhi, 4 (Four) plants are in Pune near Mumbai (Maharashtra), 1 (One) plant in Aurangabad near Mumbai (Maharashtra) and 1 (One) plant in Kolar near Bengaluru (Karnataka). These facilities have been laid out to match world's best plant engineering standards. All our plants are in the manufacturing of Automotive parts like Motorcycle Chassis, Sheet metal and Tubular Parts, LED SMT Line, Leveler Device, Plastic Molded parts, after market Automotive Parts and LED Lights, we are catering to almost all the OEM's in India.

1.2 LUMAX Auto Technologies Ltd.

Lumax Auto Technologies Ltd. – Narsapura, Kolar (Highlighted Above) established in the year 2013 is into the manufacturing of Automotive Plastic Molded Parts and caters to Major OEM's like Honda Motorcycle & Scooters India Pvt. Ltd. directly, to Toyota Kirloskar Motors Ltd. thru' Toyota Boshoku India Pvt. Ltd. and to Ford Thru' Continental Automotive India. This plant won the **JIPM TPM Excellence Award – Category A – 2019**. The Total area of the unit is 40580.72 Square Meters in which 10181.26 Square Meters is the covered area and holds 30399.46 square meters of green area with an Annual Production Capacity of 27 Million Units. Total Employees strength is 750 no's. The Annual Sales Turnover of the Plant for the Financial Year 2022-23 is USD 20.50 Million and for 2023-24 the projection is USD 21.23 Million. Lumax Auto Technologies Ltd. – Kolar Plant is a IATF – 16949:2016, ISO 14001:2015 & ISO 45001:2018 - certified organization practicing the Operating Engineer Culture (DET Culture) where the Diploma Engineers are the Machine Operators enforcing High level of skilled manpower handling the machine.

1.3 PRODUCT RANGE OF KOLAR PLANT.



HONDA



HONDA



HONDA



HONDA





Model: KIA Carens
Tier 1: SL AP
Application: Lamp & Mirror Assembly
No. Plastic Parts: 12 Nos
Material: ASA ,ABS & PPGF30%



FLANGE LH,RH



RC INSIDE OPT LH,RH



MIRROR BASE COVER LHD LH,RH



MIRROR SR HSG CAP LH,RH



MIRROR BASE UPPER CAP LH,RH



MIRROR BASE COVER RHD LH,RH



Model: KIA Seltos
Tier 1: Hyundai Transys
Application: Seat Assembly
No. Plastic Parts: 10 Nos
Material: PA6

HEIGHT ADJUSTMENT-LH	HEIGHT ADJUSTMENT-RH	BEZEL UPPER FLODING	CAP FLODING LEVER
KNOB REAR	GUIDE ASSY LESS LEVER	GUIDE ASSY WITH LEVER	BEZEL LATCH



COVER RR BACK CTR BELT	BASE COVER 2 ND FR	BASE COVER 2 ND RR	CAP BASE COVER
COVER RR BACK CTR BELT	BASE COVER 2 ND FR	BASE COVER 2 ND RR	CAP BASE COVER



Model: KIA Sonet
Tier 1: SL AP
Application: Lamp Assembly
No. Plastic Parts: 10 Nos
Material: ABS

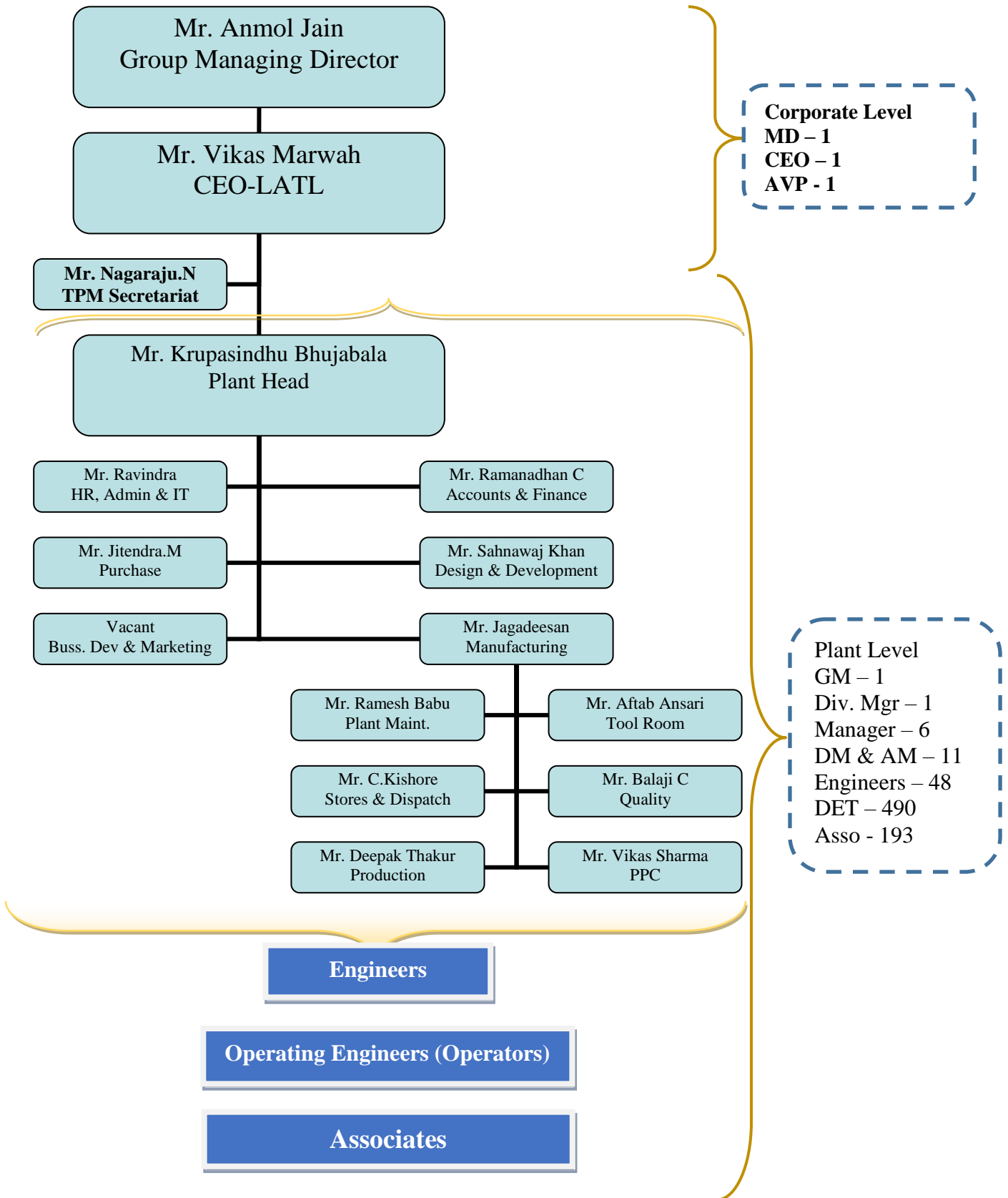


SOP STARTED AUGUST-22

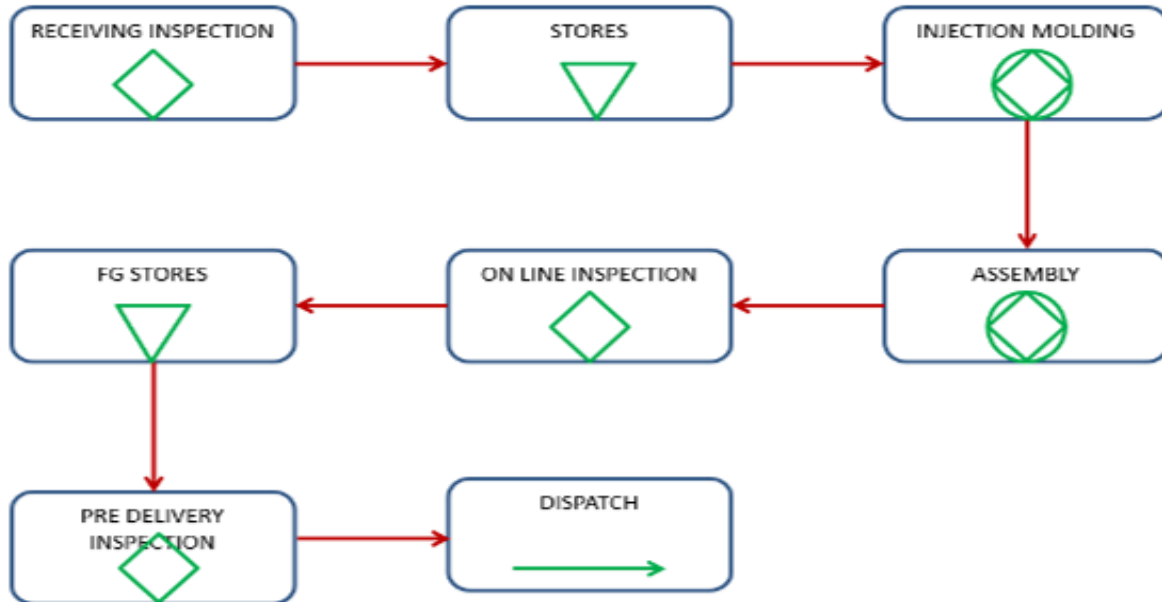


Total No.Of Components : 47

1.4 Staffing Structure of the Plant



1.5 Manufacturing Process Flow



1.6 List of Machines & Equipment

S.N	Types of Machines	Quantity	Specification
1	Moulding Machines	54	180 – 1000 Tons
2	Assembly equipment's	25	Assembly Lines
3	Ancillary Equipment's	69	Material Conveying System, MTC, Dehumidifier
4	Tool Room Machines	8	Milling, Grinding, Lathe M/c's
5	Utility Machines	27	DG, Compressor, Crane, Chiller.
	Total Machines & Equipment's	183	

2. Milestone on the Journey of Manufacturing Excellence

2.1 Why We Adopted TPM: -

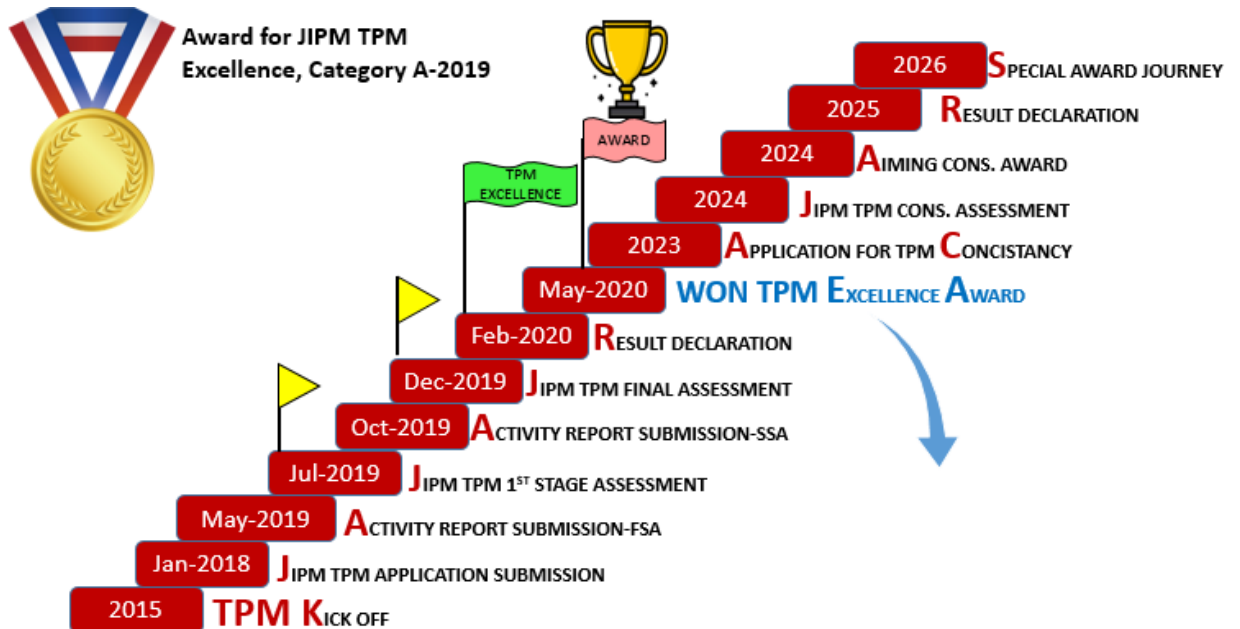
In this Dynamic Business scenario, External & Internal Challenges always exists and to handle these External & Internal Challenges effectively & Efficiently, We at Lumax adopted TPM Methodologies as a Way of our Life. With the Help of TPM, we are continuously improving our Business KMIs, Plant KMIs & Pillar KPIs. Followings are the key Factors which influenced us to move further with TPM Methodologies.

External Factors	Internal Factors
Tough Competition in Plastic injection molding Industry	To Become Sustainable Plant – Sustenance of Zero Incident, Zero Legal Complaints, etc.
Strengthen Legal & Saturatory Requirements - Sustainability, ESG, Covid, etc.	To achieve Zero Defect – 50% Reduction of Inhouse defects & Zero Customer Complaints.
Demand Fluctuation	To Develop Flexible Manufacturing System – Mfg. Lead Time reduction- Aiming for 1 Day Mfg. Lead Time, Development Lead time Reduction, etc.
Increased in Cost – RM, Minimum Wages, Energy,etc.	30% Reduction of Mfg. Conversion cost and continuous focus on Product Cost reduction
Increased/Changed in Customer Expectations	To Improve Productivity by 15% YoY
Globalization	To continually Improve Safer & Healthy Work Environment.

2.2 LATL Bangalore TPM Journey:

The LATL Bangalore Plant started TPM with management declaration and Kick off on 29/04/2015 by Customer & our M.D. Mr. Anmol Jain. We considered this year as Benchmark 1. By Deploying TPM Methodologies & Achieving Targeted Results, we challenged TPM Excellence Award in year 2019-20 and owned TPM Excellence Award from JIPM. After this we are continually practicing TPM Methodologies by Deepening & Widening TPM. We considered 2019-20 as BM2 (Benchmark 2) and defined Next 3 Year Targets & Prepared Master Plan by Deepening & Widening TPM.

2.3-Milestones of LATL – Kolar Plant.



3 Benefit Achieved

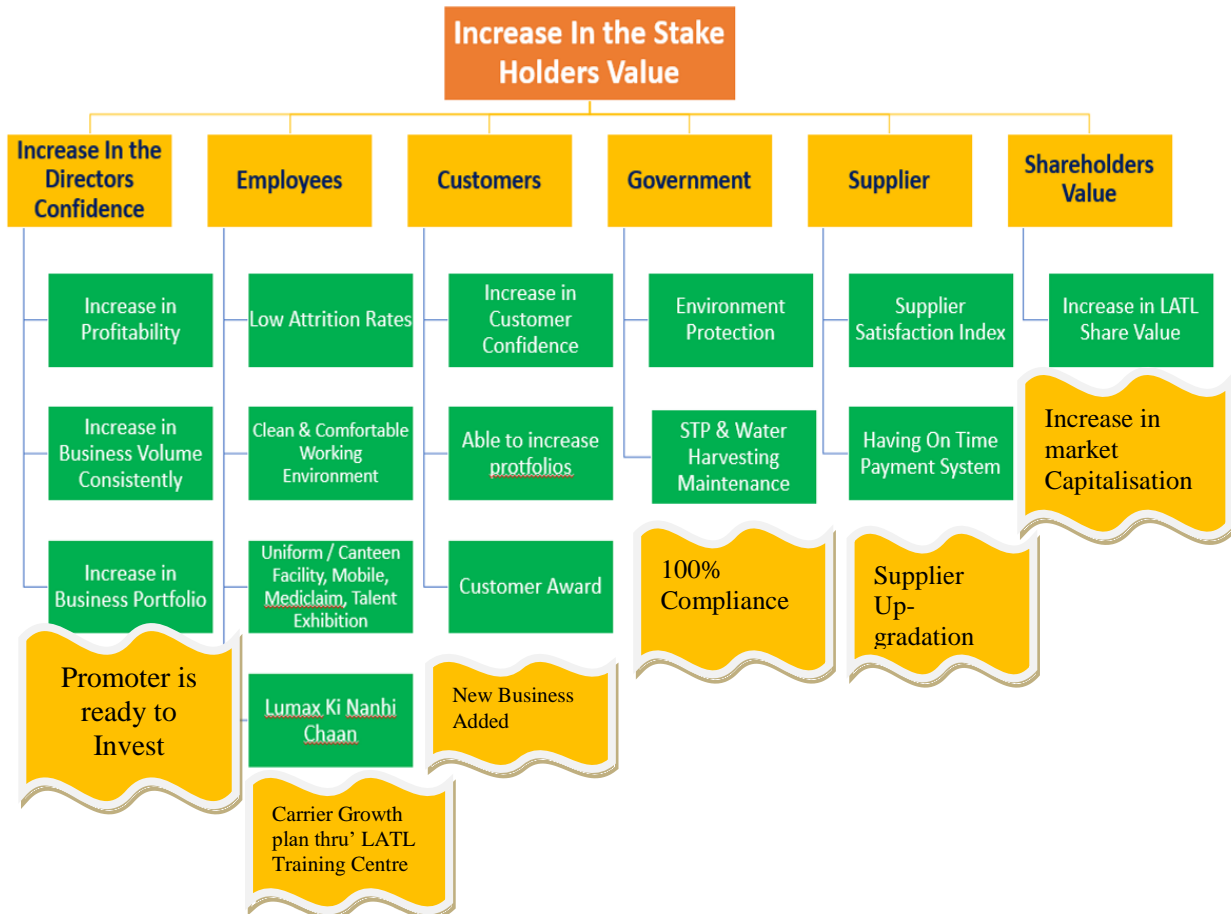
By adopting TPM as a way of work culture in LATL Kolar plant, we were able to achieve below tangible & intangible benefits.

3.1 Tangible Benefits

1. LATL Bangalore Plant Sales Improved by 28% from BM2 (2019-20).
2. We achieved >13% PBDIT. (Improved by 24.45% from BM2 (2019-20).
3. Sustenance of Zero Reportable Accident
4. Productivity Improved by > 11% from BM2
5. Breakdown Reduced by > 28% (All Machines)
6. Mfg. Cost reduced by 7%
7. Inhouse Quality Defect Reduced by > 21%

- 8. Zero Warranty Complaints Achieved
- 9. Achieved > 4 Training Manhours Per Month per Employee
- 10. Sustenance of 100% Delivery Performance

3.2 Intangible Benefits



4 Key of our Manufacturing Excellence

- 4.1 Lowest manufacturing cost
- 4.2 Deskilling of all processes
- 4.3 100% FIFO in all storage systems
- 4.4 Indigenization of development activities for reducing cost and lead time
- 4.5 Development of suppliers with TPM learning to provide cost benefits
- 4.6 Proficiency in new technology products

5 CSR

- Two Schools have been adopted for development in the nearby village, where the books and uniform is sponsored by Lumax for 600 students, Infrastructure development of the school and sports rewards are also sponsored by Lumax.
- Lumax Ki Nanhi Chaan is the scheme for Girl Child Development.

