

COMPANY PROFILE WITH ACHIEVEMENT SHEET

LUMAX INDUSTRIES LIMITED

PLOT NO.-69 & 70-A, PHASE-2, SECTOR-2

BIDADI INDUSTRIAL AREA, BIDADI

RAMANAGARA TALUK

Dist.- BENGALURU

PIN- 562109

STATE – KARNATAKA

(INDIA)

APPLICATION FOR – Special Award for TPM Achievement (2025)

LAST TPM AWARD WONED BY LIL BANGALORE PLANT -

EXCELLENCE IN CONSISTENT TPM AWARD in Year – 2024

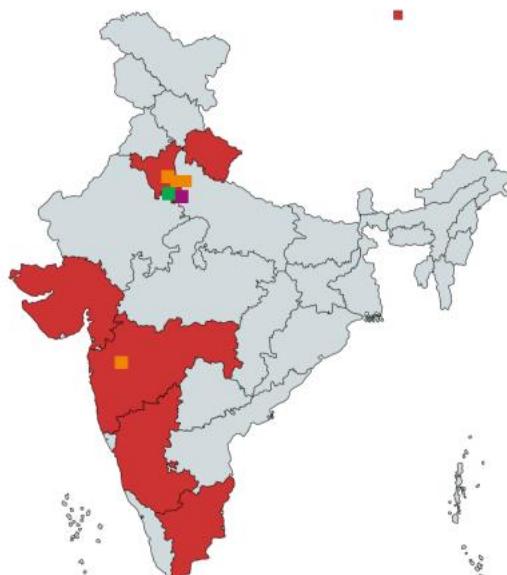
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1.1 Group History and Plants Locations: -

The D K Jain Group founded in 1945, has Auto Component manufacturing capabilities across several product categories including end-to-end Automotive Lighting solutions, Air Intake systems, Integrated Plastic Modules, Gear Shifters, Transmission Products, Seat Structures & Mechanisms, 2-Wheeler Chassis, LED Lighting, Electric & Electronic Components, HVAC Panels, On-board Antennas, Power Window Switches, etc.

Lumax DK Jain Group is owned by DK Jain Family and consists of two listed companies, i.e. Lumax Industries Limited and Lumax Auto Technologies Limited. Lumax is currently operating with 15 entities spread in six states across India. There are thirty-Two (32) manufacturing plants and Three (3) R&D centres in India, One (1) design centre in Taiwan and One (1) design centre in Czech Republic and Over 9000 Employees.



State	Plant	#
Haryana	Bawali	2
	Dharuhera	1
	Gurugram	4
	Manesar	3
Maharashtra	Pune	8
	Sambhaji Nagar	2
Karnataka	Bengaluru	3
Gujarat	Sanand & Mehsana	3
Tamil Nadu	Sriperumbudur	1
Andhra Pradesh	Anantapur	1
Uttarakhand	Haridwar	1
	Pantnagar	4
Total		32

Our Partnerships:

With several leading global Auto players –

Stanley, Japan;
SL Corporation, Korea;
Cornaglia, Italy;
Mannoh, Japan;
Ituran, Israel;
FAE, Spain;
JOPP, Germany;
YOKOWO, Japan;
Alps Alpine, Japan;

1.2 Introduction of Lumax Bengaluru Plant:

Ground breaking ceremony (construction) of Lumax Bengaluru Plant started on 12th June 2011 and production commenced on 27th Aug 2012 with manufacturing of Automotive Lights for Toyota Kirloskar Motor Ltd. Lumax Bengaluru Plant is having installed capacity of 17.5 million Two-Wheeler Sets per annum and currently its capacity increased up to 21.8 million Two-Wheeler Sets per annum and for four-wheeler designed Capacity was 4.1 million of automotive lighting.

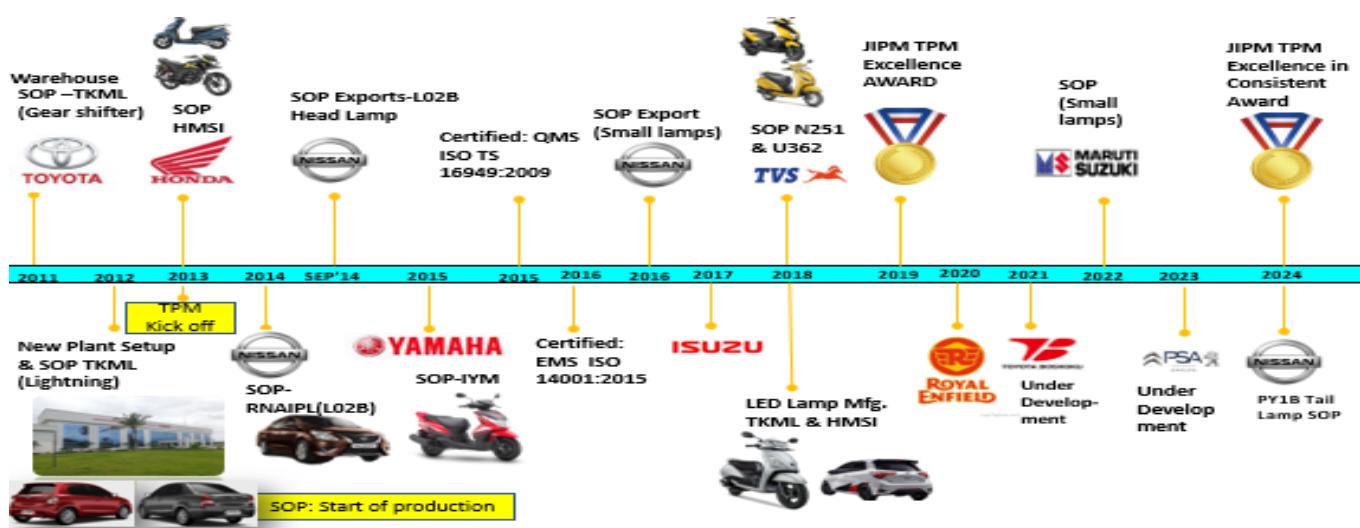


Total area in Lumax Industries Limited (LIL), Bangalore Plant have 23028 Sq.Mts. and Built-Up area is 18129 Sq.Mts. Total Manpower Strength is 579 Nos.

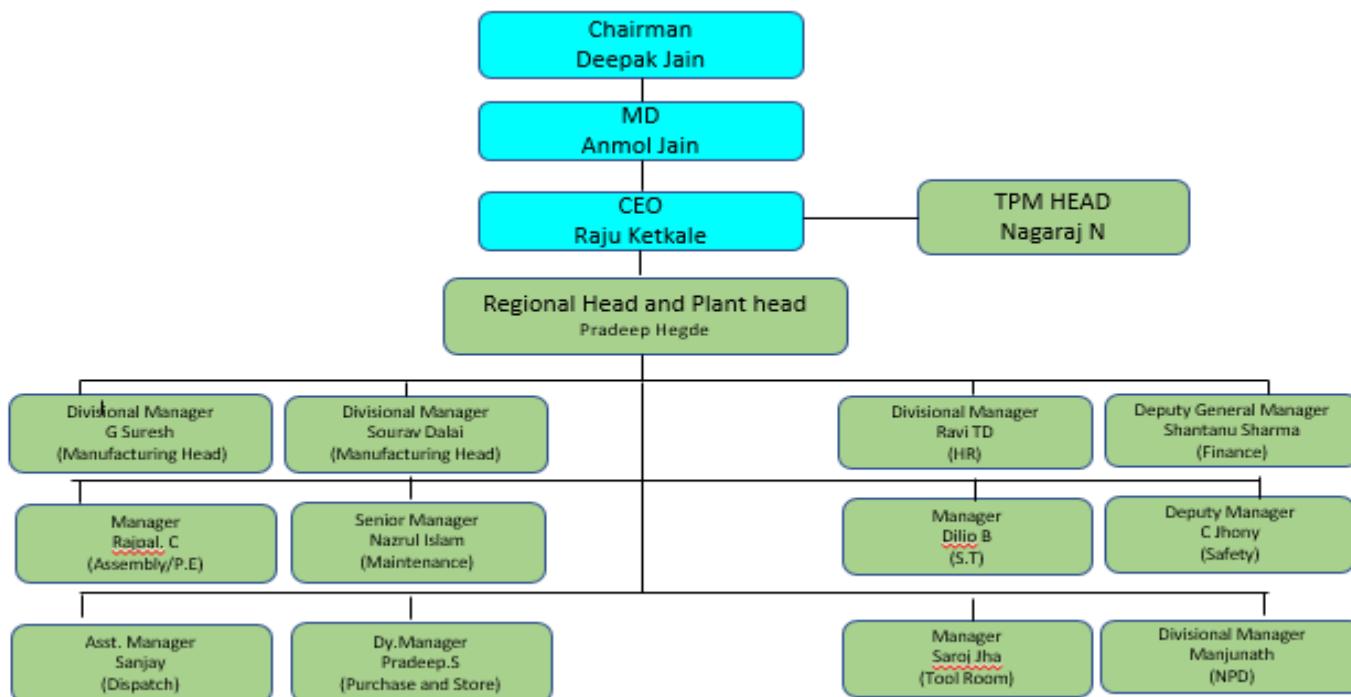
Major Customer of LIL Bangalore plants are:-



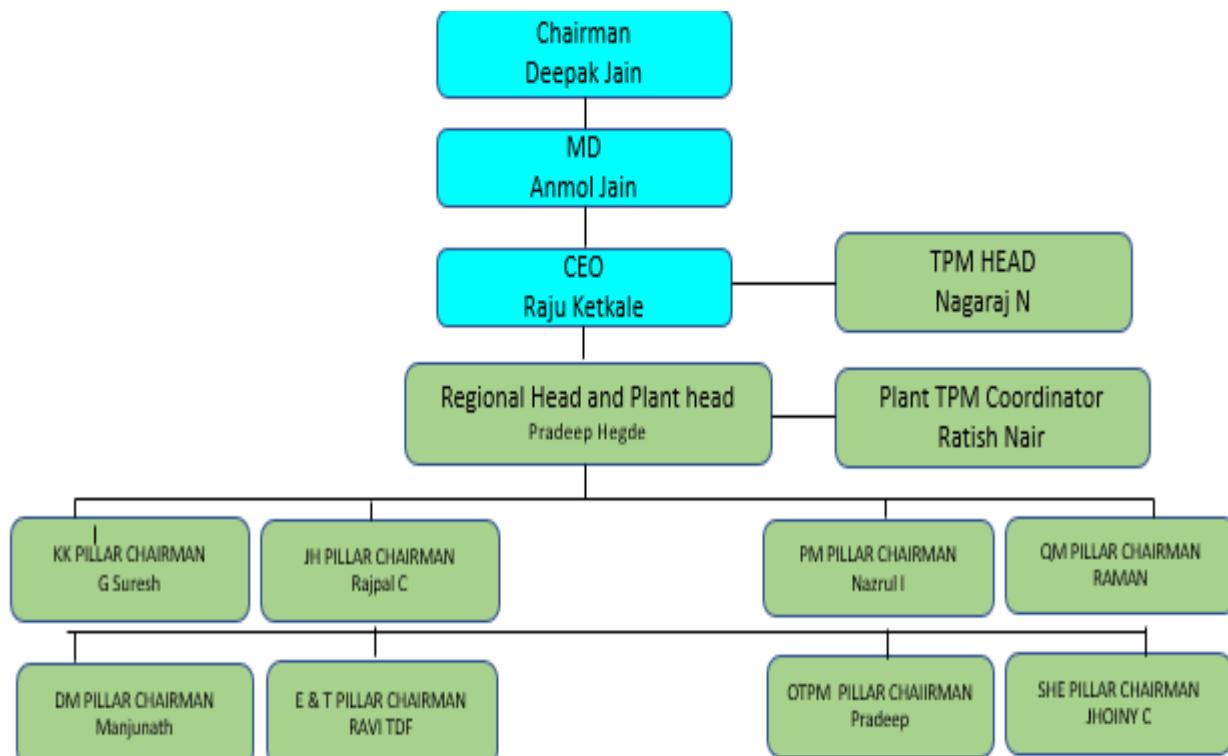
Lumax Industries Limited Bangalore Plant Milestones: -



1.3 Organization Structure:



1.4 TPM Structure:



1.5 Products Range

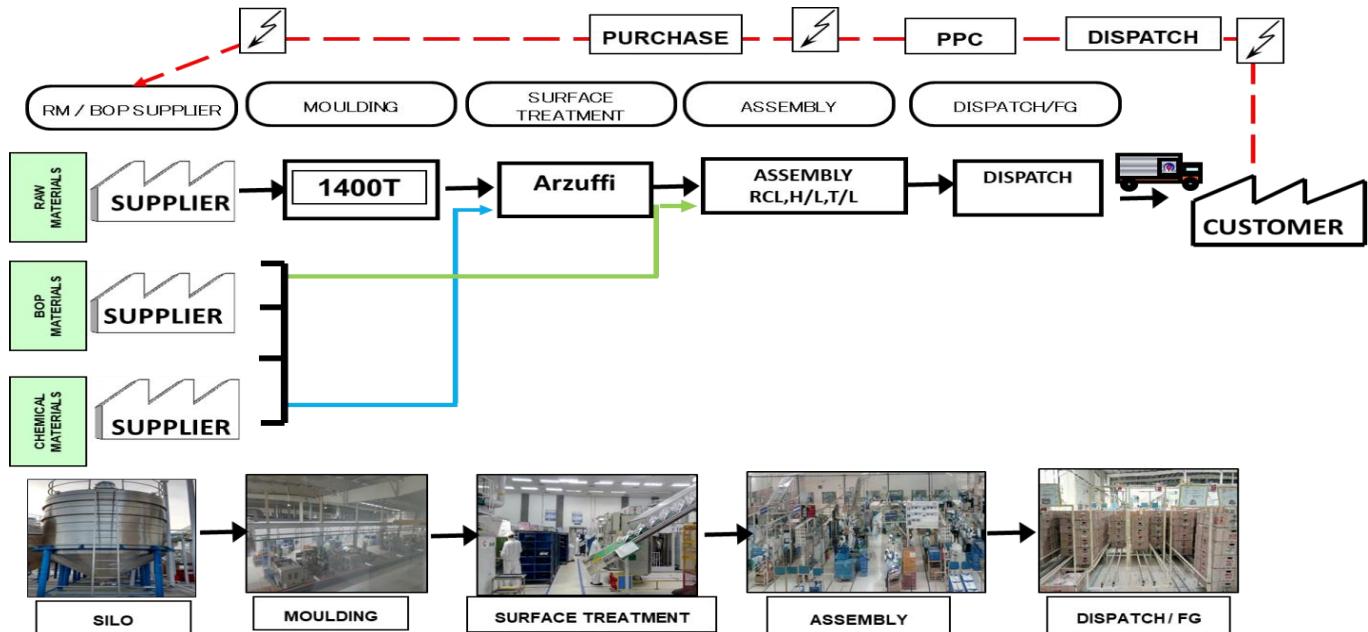
Our main Products are Automotive Lights for 2-wheeler & 4-Wheeler vehicles & details given below.

CUSTOMER	LOCATION	YEARLY VOLUME (VEHICLE)	HEAD LAMP/TAIL LAMP	SMALL LAMPS
 TOYOTA	TKML, BANGALORE (SPARE PARTS)	23,900 Nos	 	 
	TKML, BANGALORE (PLANT-1)	1,15,200 Nos	 	 
 ISUZU	ISUZU INDIA LIMITED, CHENNAI	4,500 No's		 
 NISSAN	RNAIPL, CHENNAI	37,000 Nos	 	 
	RNAIPL-EXPORTS (UK, INDONESIA, EGYPT, SPAIN, BRAZIL, MYAMAR, RUSSIA, PHILIPAINUS)	5,53,000 Nos	 	 
CUSTOMER	LOCATION	YEARLY VOLUME (VEHICLE)	HEAD LAMP(BULB & LED)	TAIL LAMPS & OTHER LAMPS
 HONDA	HMSI, -3F, NARSAPURA, BANGALORE	12,00,000 Nos	   	
	HMSI-EXPORTS (BANGLADESH)	9,600 No's		—
 YAMAHA	IYM, CHENNAI	3,000 Nos		
 TVS	TVS MOTOR, MYSURU	6,00,000 No's	 	
	TVS MOTOR, HOSUR			
CUSTOMER	LOCATION	YEARLY VOLUME (VEHICLE)	LED LAMPS	Other LAMPS
 TOYOTA	TKM, BANGALORE (PLANT-2 & SPD)	1,600 No's	 	—
	TKM, BANGALORE (PLANT-1 & SPD)	1,50,000 (NEW PROJECT)	   	—
 TVS	TVS MOTOR, MYSURU	2,40,000 No's (NEW PROJECT)		—
 ROYAL ENFIELD	REML, CHENNAI	NEW	—	 
 MARUTI SUZUKI Way of Life!	MSIL, BANGALORE (TOYOTA PLANT)	NEW	—	  

1.6 Process Technology:

Process technologies available in our plant are Plastic Injection moulding, Plasma coat metalizing, Hard coat, Base coat, Top coat, Antifog, Plastic paint shop and assembly lines. In assembly process we are having Glue dispensing robots, conveyorized assembly lines, robotic ultrasonic welding technology, Impulse welding, vibration welding machine, In-built photo testing and basic mould maintenance facilities.

Process Flow:



2. Milestone on the Journey of Manufacturing Excellence

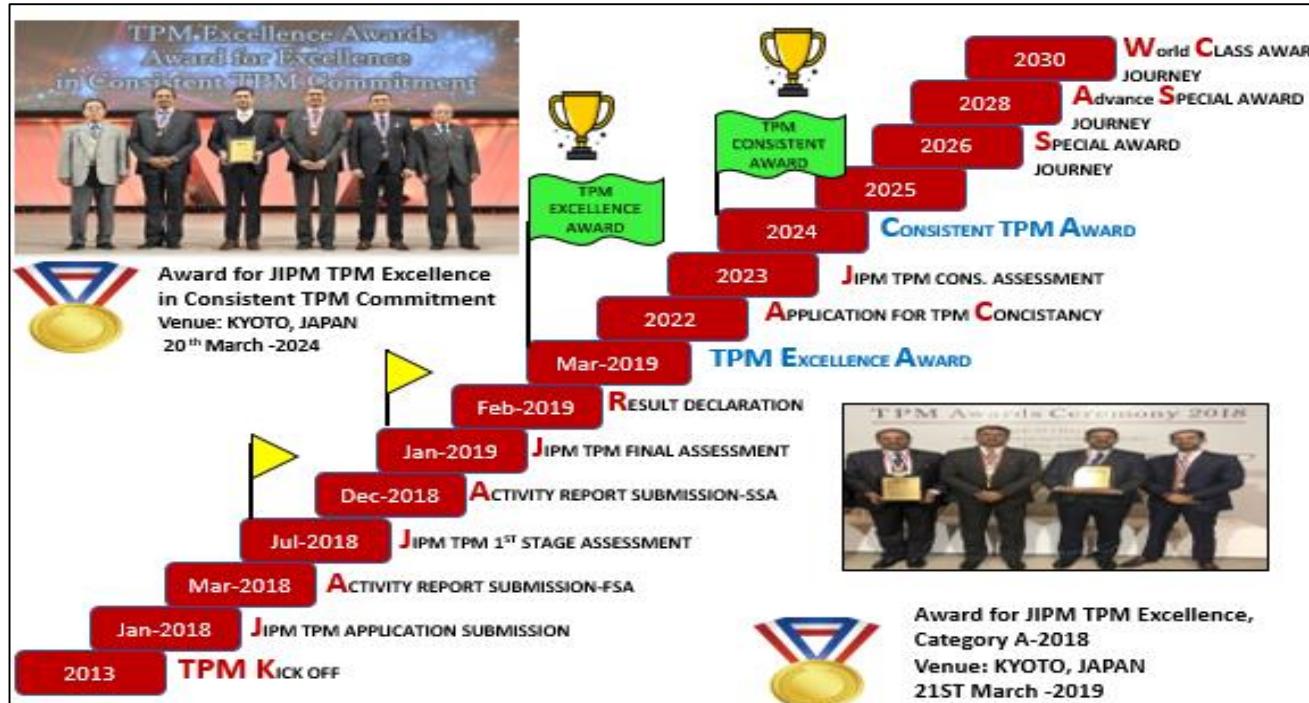
2.1 Why We Adopted TPM: -

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 KMI, Plant KMI & Pillar KPIs. Followings are the key Factors which influenced us to move further with TPM Methodologies.

External Factors	Internal Factors
Tough Competition in Lighting 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, Energy, etc.	30% Reduction of Mfg. Conversion cost and continuous focus on Product Cost reduction
Increased/Changed in Customer Expectations	To Improve Productivity by 20% YoY
Globalization	To continually Improve Safer & Healthy Work Environment.

2.2 LIL Bangalore TPM Journey:

The LIL Bangalore Plant started TPM with management declaration on 05/07/2013 and Kick off on 17/12/2013 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 2018-19 and owned TPM Excellence Award from JIPM. After this we are continually practicing TPM Methodologies by Deepening & Widening TPM.



3. Benefits Achieved: -

TPM Implementation at Lumax Industries Limited Bangalore Plant helped in achievement of business results. Our financial & other Business Parameter growth which has seen a steady upward trend right since TPM Kick-off. All Improvements shown w.r.t BM2 (2018-19) to YTD(Nov-24)

3.1 Key Tangible Benefits:

1. LIL Bangalore Plant Sales Improved by 30% from BM3 (2023-24).
2. We achieved >19% PBDIT.
3. Sustenance of Zero Reportable Accident
4. Productivity Improved by > 7% from BM3
5. Breakdown Reduced by > 23% (All Machines)
6. Mfg. Cost reduced by 10%
7. In-house Quality Defect Reduced by > 16%
8. Zero Warranty Complaints Achieved
9. Achieved > 6 Training Man-hours Per Month per Employee
10. Sustenance of 100% Delivery Performance

3.2 Intangible Benefits:

Apart from Tangible Benefits we achieved Intangible benefits also through TPM ways.

Key Intangible benefits are given below.

- Created Mind set Culture towards Zero BAD (Breakdown, Accidents, Defect)
- Improvement focused Environment
- Employees Morale, Skill & Will Improved
- Safe Culture
- Total Employee Involvement
- Way forward approach towards Digitalization

These Benefits achieved through TPM Methodologies & by 100% Employees Involvements. Few Glimpses of Employee Involvement is given below



Plant Level TPM Steering Committee Reviews are done on Fortnightly basis @ Gemba

TPM Circle Activities at Gemba .

Employee Involvement is achieved through TPM Circle, 5S, QCC, CCC & Kaizen Competition initiatives. Promotion and reward mechanism is in place for all improvement initiatives.



Rewards to Best TPM Circle



Appreciation to Best Performers & Teams

4. Key of Our Manufacturing Excellence:

Our Manufacturing Excellence Practices is based upon the TPM Methodologies and we are continually following its for achieving breakthrough business results.

4.1 Plan for the future:

We are Committed to Execute Excellence at LIL Bangalore Plant through TPM ways. We will extend TPM in End-to-End Supply Chain.

Our future Plan for Manufacturing Excellence is as Follows:

- Integrating Industries 4.0 with IOT
- Synchronization of three processes Moulding, Surface treatment and Assembly for Runners.
- To become Sustainable Manufacturing Plant
- Real Time Monitoring of production and machine down time.
- To achieve Benchmark Level of End-to-End Lead Time
- Future Ready Capability Development – Data Analytics & Digitization
- To create TPM Cluster at Southern India – with Consideration of Local Vendor Base
- Focus on Localization
- Etc.