COMPANY PROFILE

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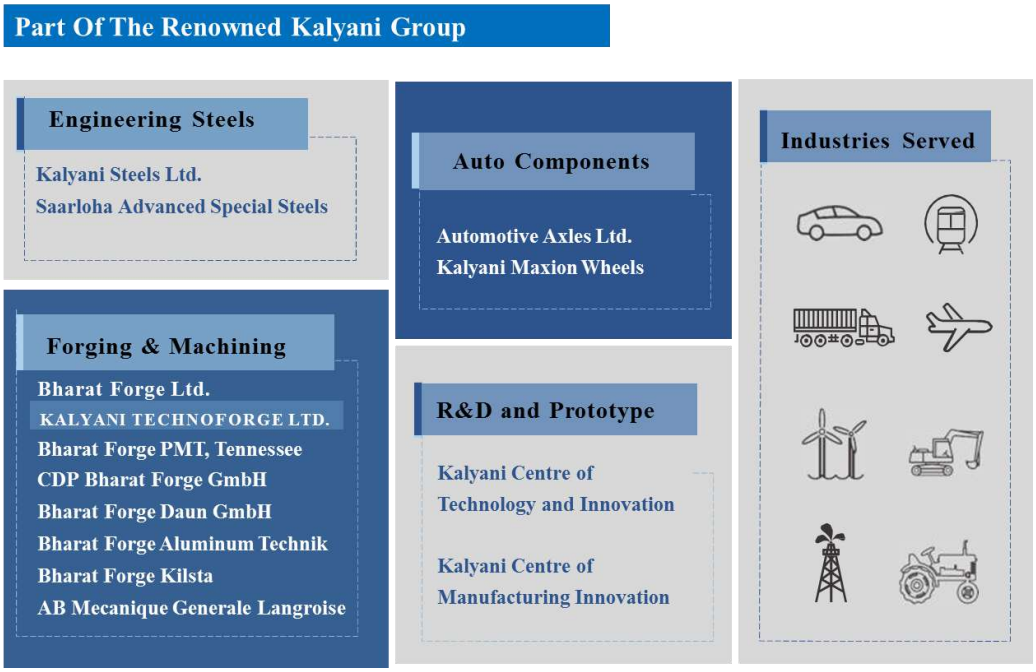
COMPANY PROFILE

1.1 GROUP INFORMATION

KALYANI TECHNOFORGE LIMITED is a part of the over USD 3.2 billion KALYANI GROUP. The Kalyani Group is an Indian multi-national with high technology, engineering & manufacturing capability across critical sectors such as Engineering Steel, Automotive, Industrial, Renewable Energy, Urban Infrastructure and Specialty Chemicals. Kalyani Technoforge Ltd. is established in 1979. We are the leaders in manufacturing of forgings, machined component & sub-assemblies.

KTFL group is having total 10 manufacturing facilities in India, out of which 9 manufacturing plant located in Pune District, Maharashtra, 1 plant in Bhiwadi, Rajasthan State & 1 plant in Gujarat State. KTFL group is global supplier of automotive & non-automotive parts & has adopted TPM methodology in all manufacturing plants.

1.2 BRIEF HISTORY OF GROUP

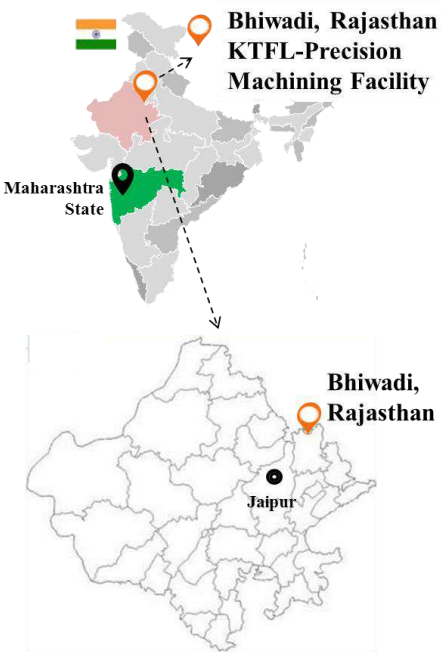


1.3 GROUP FOOTPRINT OF KALYANI GROUP

KTFL is well positioned to support customer growth in markets.

1.4 PLANT LOCATIONS ACROSS INDIA

KTFL locations across India. Kalyani group of companies has its corporate office located in Maharashtra at Pune. KTFL Bhiwadi plant is located in Rajasthan state which is approx. 200 km from Jaipur city.



Map of Rajasthan State

RAJASTHAN – BHIWADI (200 km from Jaipur city)
- KTFL - Precision Machining Facility

MAHARASHTRA – PUNE

RANJANGAON (58 km from Pune city)
- KTFL – Forging Facility
- KTFL – Heat Treatment Facility
- KTWPL – Post Forging Facility
- KTTPL – Forging Facility

MUNDHWA (8 km from Pune city)
- KTFL – Forging Facility

CHAKAN (33 km from Pune city)
- KTFL – Precision Machining Facility

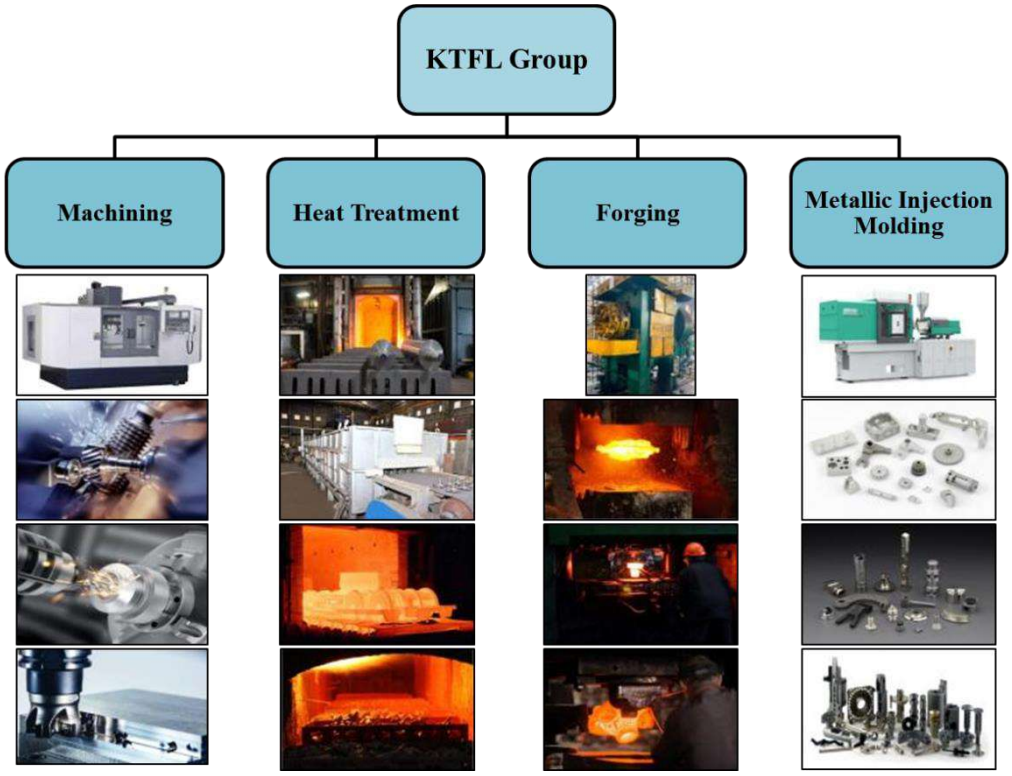
JEJURI (50 km from Pune city)
- KTFL - Metal Injection Molding Facility

KHED (48 km from Pune city)
- KTFL - Transmission Components Mfg.

BARAMATI (100 km from Pune city)
- KTFL – Forging Facility

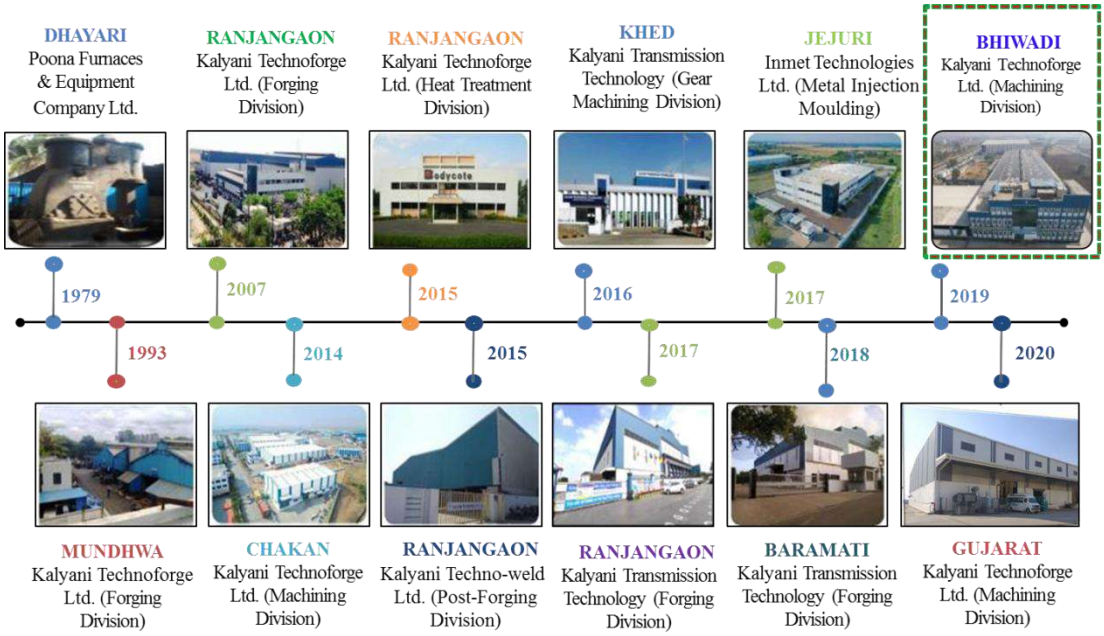
1.5 GROUP PROFILE

We provide product range from forging to machining parts. Also we are in the manufacturing of metallic injection molding.



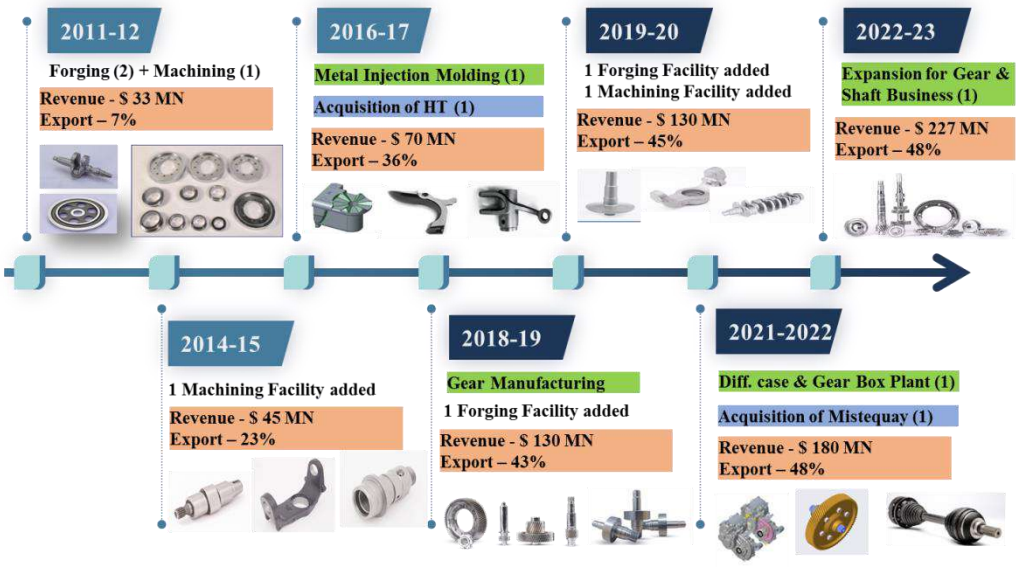
1.6 KTFL GROUP PLANTS

We started our first plant in 1979 at Dhayari, in previous 44 years we started 11 plants at various locations. Bhiwadi plant was started in the year 2019 which is a machining division.



1.7 KTFL JOURNEY

KTFL journey with Revenue in ($ MN) & Export business % is as shown below:

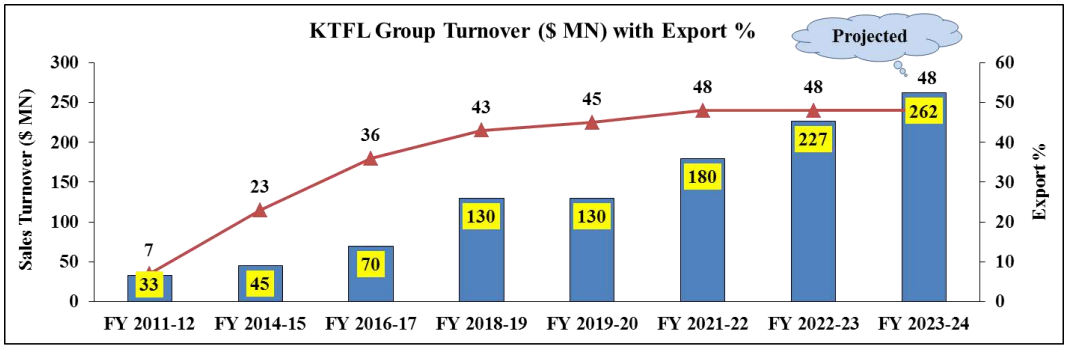


1.8 GROUP SALES TURNOVER

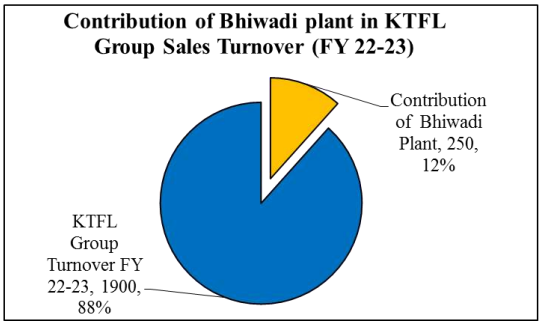
The Indian market has registered steady growth. Lots of new companies have entered into the market that has increased in competition. Still KTFL growth has been very impressive.

Following graph shows the KTFL Group Turnover with Export % YOY & pie chart shows the contribution of Bhiwadi plant in KTFL Group Sales turnover FY 22-23.

Bhiwadi plant contribution is 12% of KTFL group sales in FY 22-23 & TPM methodology added value in our sales contribution.

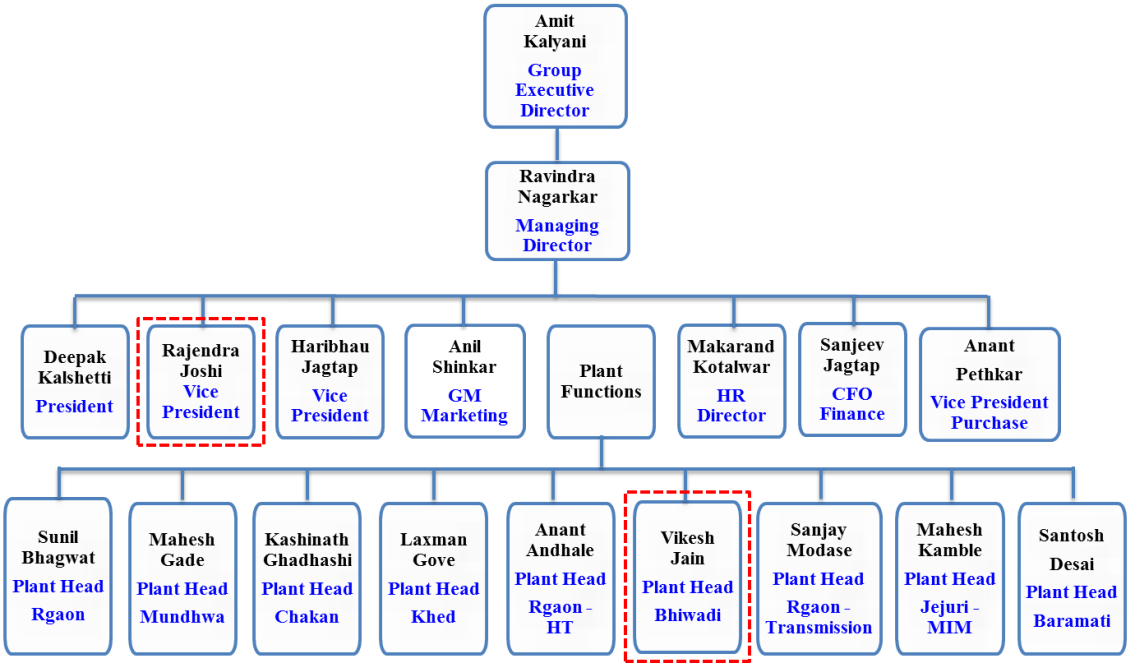


Contribution of Bhiwadi plant in KTFL Group Sales Turnover (FY 22-23)



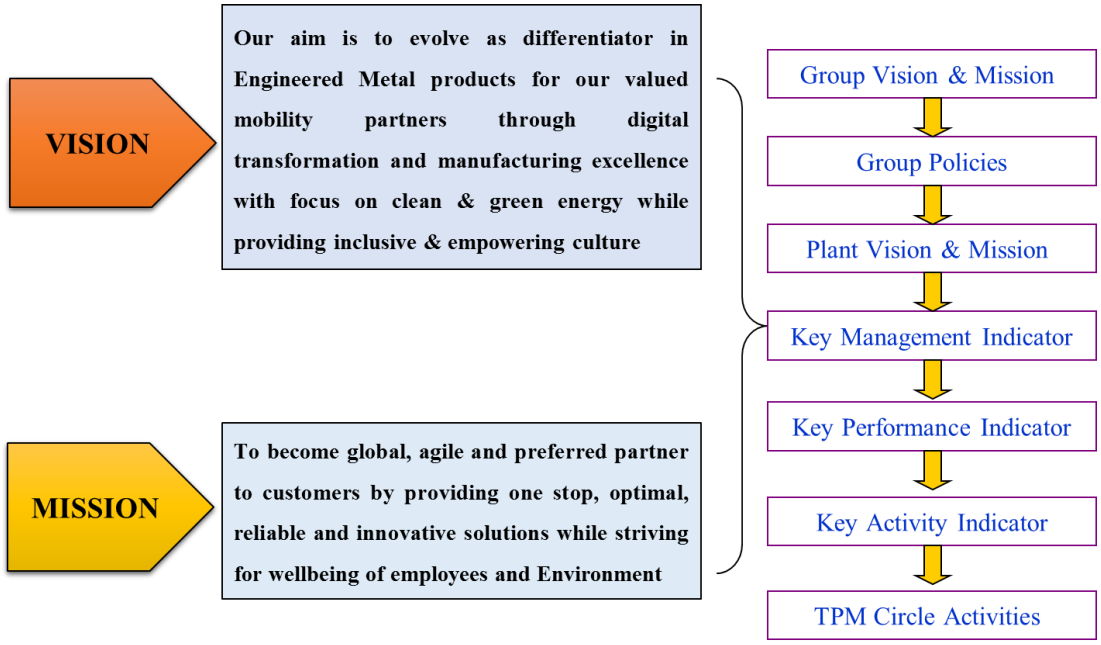
1.9 GROUP ORGANIZATION STRUCTURE

Following is shown our group organization structure.



1.10 VISION & MISSION

We have set our KTFL group vision & mission as shown below. From the group vision & mission we have derived the group policies & linked it to our plants' vision & mission. Further we have linked the plant vision & mission to KMI, KPI & KAI for every pillar activity up to the TPM circles activity.



1.11 EXTERNAL & INTERNAL FACTORS AND TPM POLICY

We have aligned our company vision & mission in-line with TPM policy considering External & Internal factors.

External Factors
High customer expectations – Quality, Cost , Delivery
Speedy ramp-ups
Global competitiveness
Exchange fluctuations
Changes in government policies

Internal Factors
Increased Business Opportunities
Less productivity - Low equipment effectiveness
Unstable & untrained contract manpower
People mindset with reactive approach
System adherence & control

KALYANI TECHNOFORGE LTD.

TPM POLICY

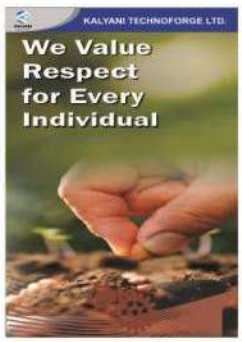
We at Kalyani Technoforge Limited are committed to practice total productive maintenance to improve our product quality, reliability & work culture through continual improvement in all manufacturing processes to eliminate losses of all types in a continual manner to maximize the operational efficiency and total focus on satisfaction of our internal & external customers through total employee involvement in a safe & green environment.

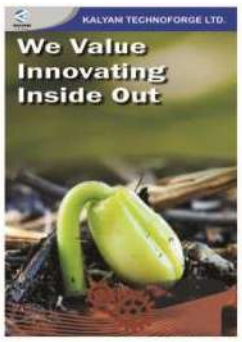
Date : 01 Jun. 2012
Place : Pune

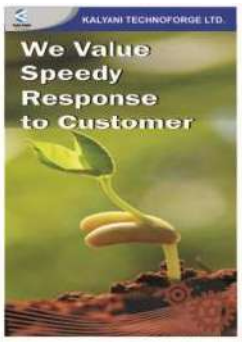
R. B. Nagarkar
Managing Director

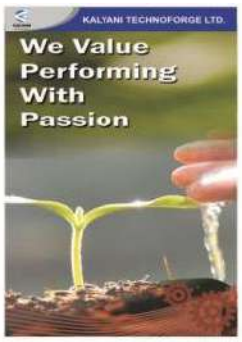
1.12 GROUP CORE VALUES

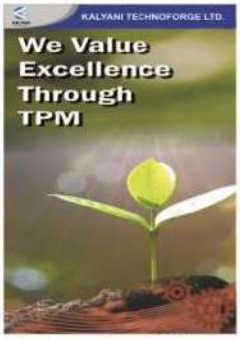
Following are our group 7 core values:

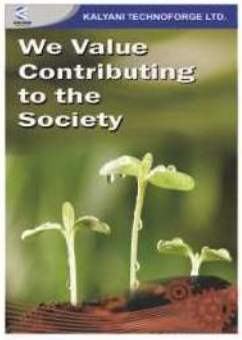


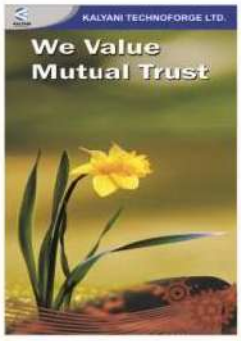












1.13 PLANT INFORMATION

Great Place To Work. Certified AUG 2023 – AUG 2024 INDIA

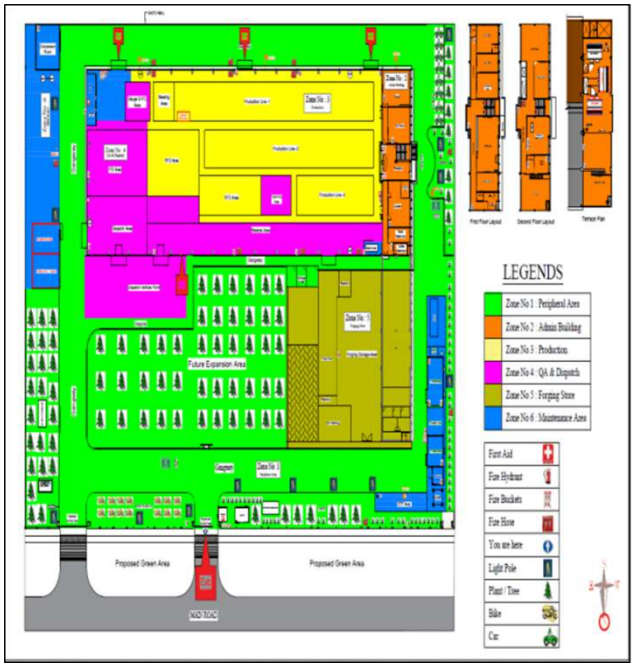
Kalyani Technoforge Ltd.

Plot No. B 7 & 8, Karoli Industrial Area, Tapukara, Bhiwadi - 301707,
Alwar, Rajasthan

KTFL is committed to continual improvement, growth & expansion to cater requirements of our customers. Empowered with highly competent team, KTFL is supporting customers in product design activities for their new product launches to distinguish ourselves from others; we are committed to offer optimized solutions for Quality-Cost-Delivery to our customers.

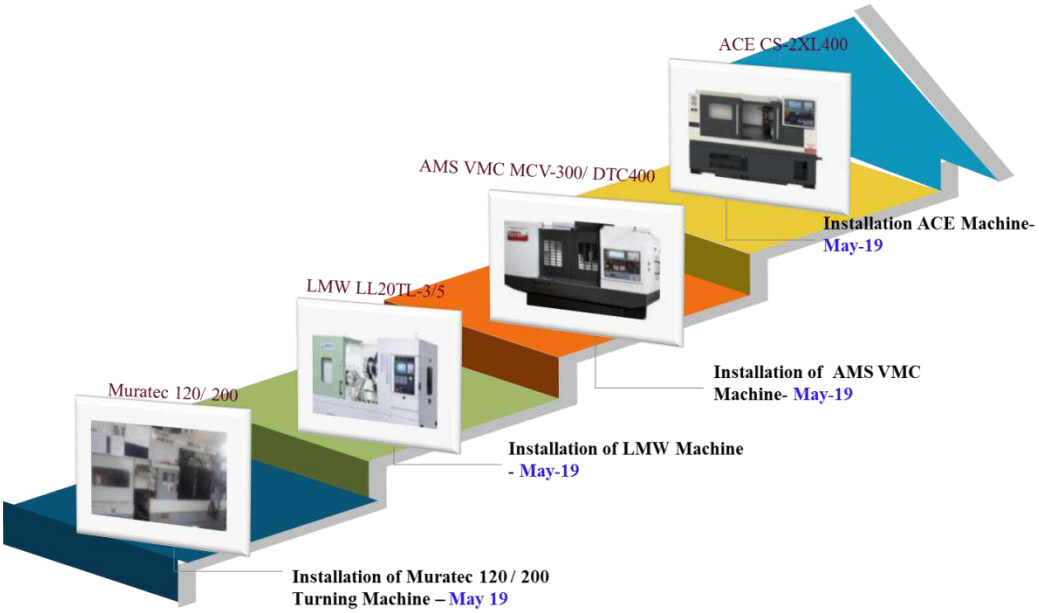
1.14 PLANT LAYOUT

Following is our Bhiwadi plant layout. Our total plot area is 15144 sq. mtr., total buildup area is 6000 sq. mtr. & garden and road area is 1153 sq. mtr.



Sr. No.	Detail of plot area	Area (Sq.Mtr.)
1	Total Plot Area	15144
2	Total Buildup Area	6000
3	Garden & Road Area	1153

1.15 PLANT ROADMAP



1.16 PLANT ACHIEVEMENTS

Our plant has achieved various prestigious quality & system awards as shown below. Also we have received various awards in our KTFL intergroup Kaizen Competition. Our plant has been certified with various certifications like ISO 45001, ISO 14001, IATF 16949, ISO 9001, 5S certification from TUV NORD & also our plant is certified as Great Place To Work.

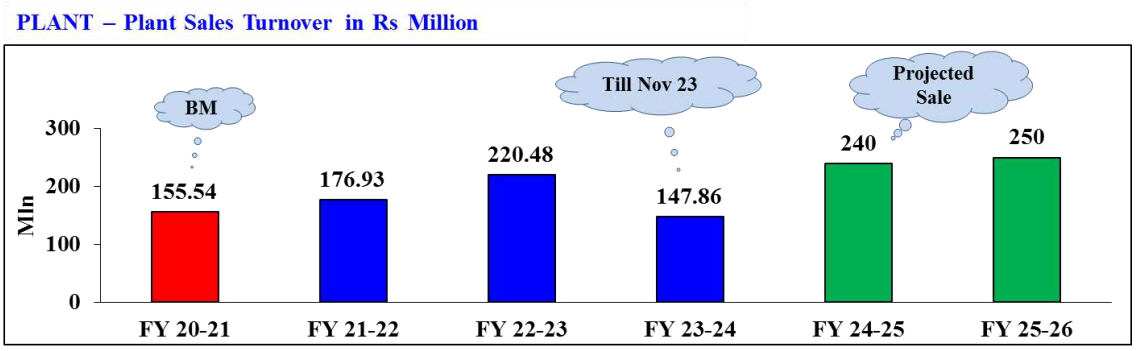
1.17 PLANT VALUED CUSTOMERS & PRODUCTS

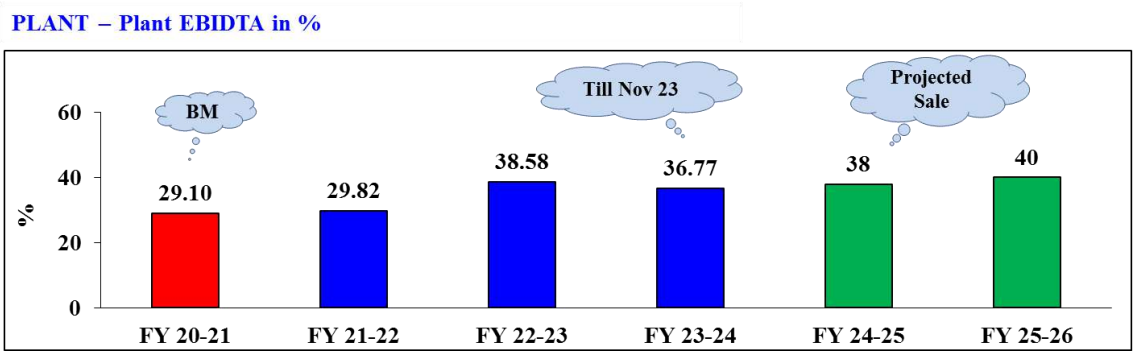
These are our Valued Customers in Domestic Market. We are supplying various types of vehicle transmission components like for ex. Sleeves, Gears, Outer & Inner rings, etc.

CUSTOMER	PRODUCT RANGE SUPPLIED	
MARUTI SUZUKI	 SLEEVE	 GEAR FINAL
JTEKT	 OUTER RING	 INNER RING

1.18 PLANT SALES TURNOVER

Following are the graphs of plant sales turnover YOY & plant EBITDA in % YOY.





1.19 DAILY WORK SCHEDULE

The plant has adopted a practice of working in three shift & Sunday is weekly off.

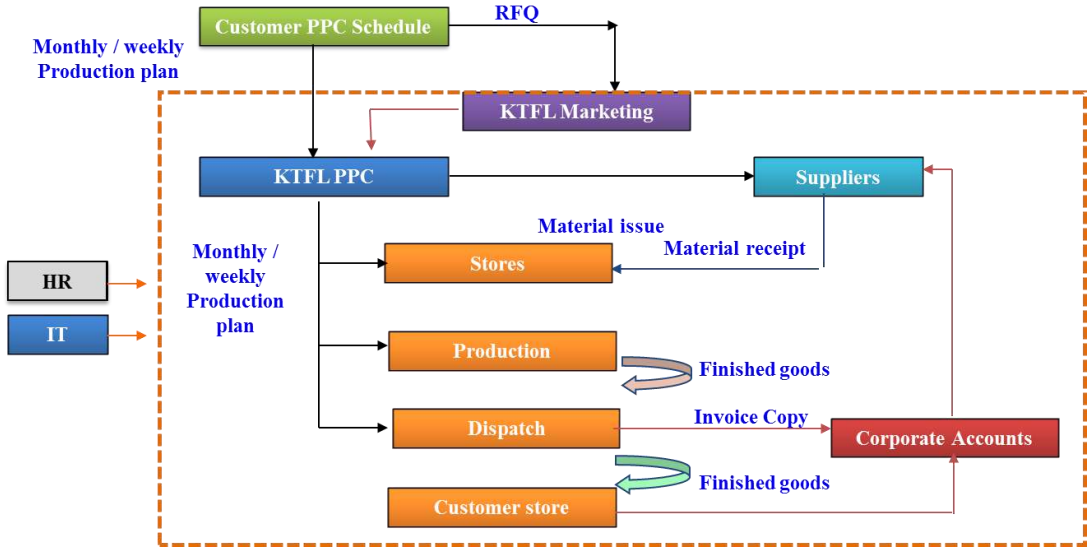
Shift Timings are as below:-

Shift	Timings	Remark
First	07.00 AM – 03.00 PM	Production activities
Second	03.00 PM – 11.00 PM	Production activities
Third	11.00 PM – 07.00 AM	Production activities
General	09.00 AM – 05.30 PM	Mainly office function staff works in this shift

1.20 BUSINESS FLOW MAP

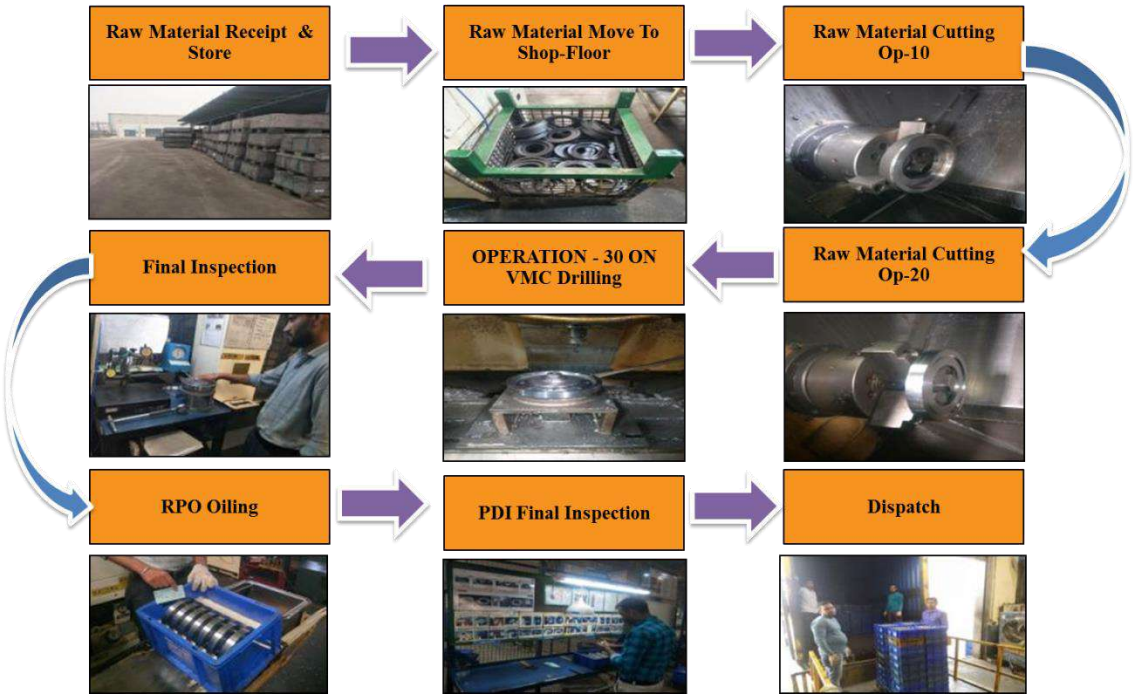
Following is our business flow mapping activities for various departments:-

Existing Product Business Flow Map



1.21 MANUFACTURING PROCESS FLOW

Following is our manufacturing process flow stages from raw material receipt up to finish products dispatch to our customer.



1.22 MANUFACTURING FACILITIES

We are having in-house manufacturing facilities i.e. Muratec m/cs with 2 spindles & 2 turrets, LMW CNC m/cs & AMS VMC m/cs as shown below:

There is only inspection working for operator.
This is two in one machine with two spindle & two turret nachine

Machining (Working) Length :- 310 MM Chuck Size 210 MM
Machining (Working) Dia. :- 320 MM Swing :- 510 MM

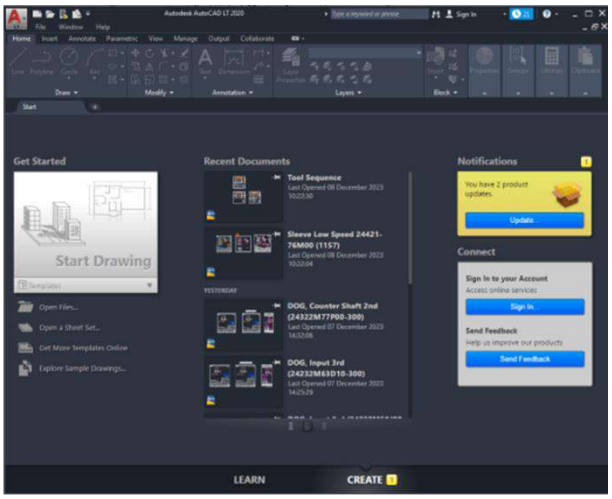
Table longitudinal travel (X - Axis) :- 400 MM Table cross travel (Y - Axis) :- 350 MM Maximum RPM :8000 RPM Headstock travel (Z - Axis) :- 320 MM

Types Of Machine	No. of Machine	Age of Machine (Years)
Muratec 200	3	14
Muratec 120	6	14
LMW	29	14
ACE	8	5
AMS VMC	11	14
Total	**57**	**NA**

1.23 DEVELOPMENT FACILITIES

We are having following facilities for development.

CNC (LMW & Muratec) & VMC Machines



AutoCAD

1.24 TESTING FACILITIES

We are having in-house testing facilities like CMM, Contracer, Surface Roughness tester, Dial Calibration tester, etc. as shown below.

CMM :
Used for All GD & T parameters

CONTRACER : Measuring Profile, Profile Diameter, Radius, Angle, Chamfer

SURFACE ROUGHNESS TESTER checking for Ra value & etc.

Dial Calibration tester
Used for Plunger dial, Lever dial, Bore gauge.

Rockwell Hardness Tester
Used for HRB & HRC

Roundness Tester
Used for Roundness,Cylindricity, Concentricity etc.

1.25 TPM KICKOFF

In September – 2020, we had done the TPM kick off ceremony with involvement of our Top Management. We rigorously started the TPM implementation in aggressive manner & infused "Yes, We can do it" spirit in us.

Having realized the fruitful benefits and results of TPM on our manager model m/c, we had done horizontal deployment of TPM activities for all remaining machines, & we completed JH Step 3 on all the equipments.

In FY 2023-24, we are happy to say that we are challenging the prestigious JIPM TPM Award for Excellence. Following are some the glimpses of the TPM Kickoff ceremony.

Plant TPM Kickoff Ceremony – 20th September 2020

1.26 PLANT TPM TARGETS

By implementing TPM at our plant has helped to improve the business results & as well as TPM has brought drastic change in our plants' working culture. Below are the few tangible benefits achieved through TPM in terms of SPQCDM.

Category	Index	Unit	BM (TPM Started or last time awarded)	Actual Status	Target
		Enter the year →	Oct 20 - Mar 21	Till Nov-23	FY 2024
S	Number of work-related accidents requiring days off work	Cases/ year	0	0	0
S	Number of work-related accidents not requiring days off work	Cases/ year	0	0	0
P	Productivity for main products	Parts/Operator hours	860	909	1010
P	OEE (or Overall Plant Efficiency)	%	73.65%	80.44%	83.31%
P	Availability	%	83.12%	85.53%	87.53%
P	Performance Rate	%	90.23%	94.85%	95.24%
P	Quality Products Rate	%	98.20%	99.16%	99.94%
P	Number of breakdowns	Breakdowns/ month	40	11	10
P	MTBF	Hour	12.42	51.48	55
P	MTTR	Hour	2.21	1.7	1.6
Q	Number of customer complaints	Number/year	1	0	0
Q	In-line defect rate (scrap)	PPM	6172	3953	2500
Q	In-line defect rate (rework)	PPM	1650	623	500
C	Cost index	% of Sale	48.73%	39.16%	39.81%
D	Production Lead time	Days	1	1	1
D	Delivery performance	%	100%	100%	100%
S	Frequency rate	Number of occupational accidents with leave for 1 000 000 worked hours	0	0	0
M	Number of Employee Suggestions	Number/month	64	138	130

1.27 ABBREVIATIONS

S. N.	Abbreviation	Meaning	S. N.	Abbreviation	Meaning
1	AM	Ante Meridiem	32	KTWPL	Kalyani Techno Weld Private Limited
2	approx.	Approximately	33	Ltd.	Limited
3	AutoCAD	Automated Computer Aided Design	34	m/c(s)	Machine(s)
4	BM	BenchMark	35	Mar	March
5	CFO	Chief Finance Officer	36	Mfg.	Manufacturing
6	CMM	Coordinate Measuring Machine	37	MIM	Metal Injection Molding
7	CNC	Computerised Numerical Control	38	MM	Millimeter
8	Dia.	Diameter	39	MN	Million
9	Diff.	Differential	40	MTBF	Mean Time Between Failure
10	EBITDA	Earnings Before Interest, Taxes, Depreciation, and Amortization	41	MTTR	Mean Time To Repair
11	etc.	Et cetera	42	NA	Not Applicable
12	ex.	Example	43	No.	Number
13	FY	Financial Year	44	Nov	November
14	GD & T	Geometric Dimensioning and Tolerancing	45	Oct	October
15	GM	General Manager	46	OEE	Overall Equipment Effectiveness
16	HR	Human Resource	47	Op	Operation
17	HRB	Rockwell Hardness B	48	PDI	Pre Dispatch Inspection
18	HRC	Rockwell Hardness C	49	PM	Post Meridiem
19	HT	Heat Treatment	50	PPC	Production, Planning & Control
20	IATF	International Automotive Task Force	51	PPM	Parts Per Million
21	ISO	International Organization for Standardization	52	Pvt.	Private
22	IT	Information Technology	53	RFQ	Request For Quotation
23	JH	Jishu Hozen	54	Rgaon	Ranjangaon
24	KAI	Key Activity Indicator	55	RPM	Revolutions Per Minute
25	KCMI	Kalyani Centre for Manufacturing Innovation	56	RPO	Rust Preventive Oil
26	KCTI	Kalyani Centre for Technology & Innovation	57	sq. mtr.	Square Meters
27	km	Kilometer	58	S. N.	Serial Number
28	KMI	Key Management Indicator	59	USD	United States Dollar
29	KPI	Key Performance Indicator	60	VMC	Vertical Machining Center
30	KTFL	Kalyani Technoforge Limited	61	YOY	Year Over Year
31	KTTPL	Kalyani Transmission Technologies Limited			