

Outline of the Company and Plant

1-1 COMPANY

1-1.1 Company Profile:



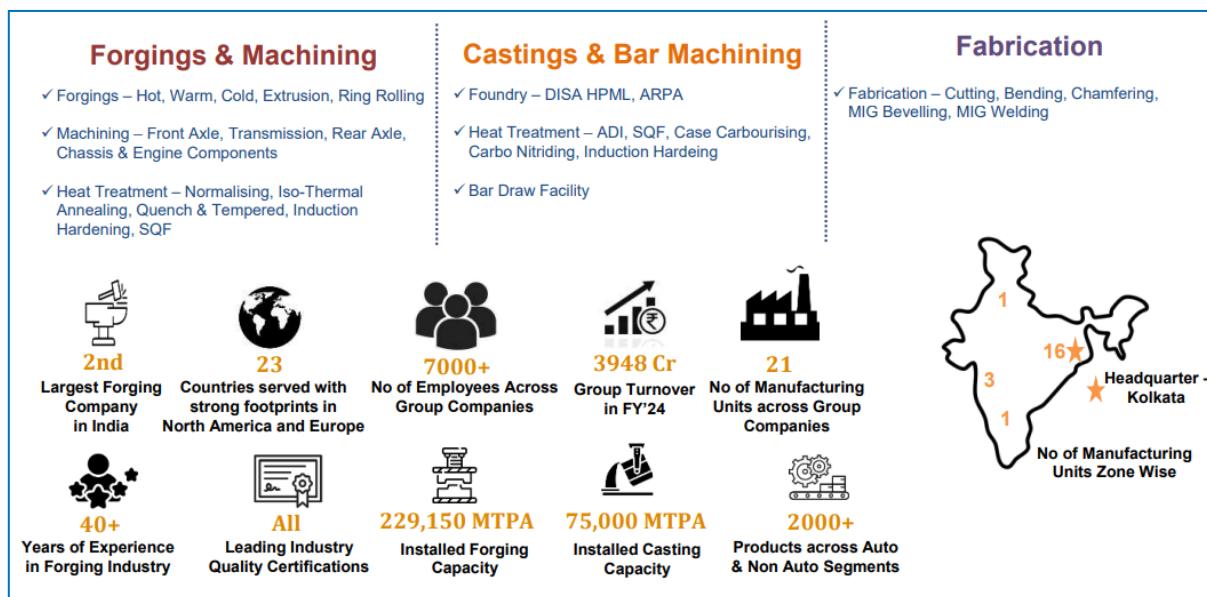
Ramkrishna Forgings Limited, headquartered in Kolkata, India is today recognized as the 2nd biggest integrated forging company in India. It is a manufacturer of closed die forgings of carbon and alloy steel, micro-alloy & stainless steel along with fabricated medium and heavy structures.

Its State-of-the-Art Manufacturing facilities are manned by highly skilled and qualified manpower which ensures World Class quality systems in its processes. Components produced at RKFL find their application in various end-use Industries like Automotive, Farm Equipment, Earth Moving, Mining, Construction, Energy, Railways and General Engineering, both in India and in the overseas market.

Customer centricity is at the heart of all that we do at RKFL. To serve our global marquee customers, we operate through several representative offices and distribution centers spread across Europe & Americas. In India, the operations are managed through the

offices in Kolkata, Pune and Delhi.

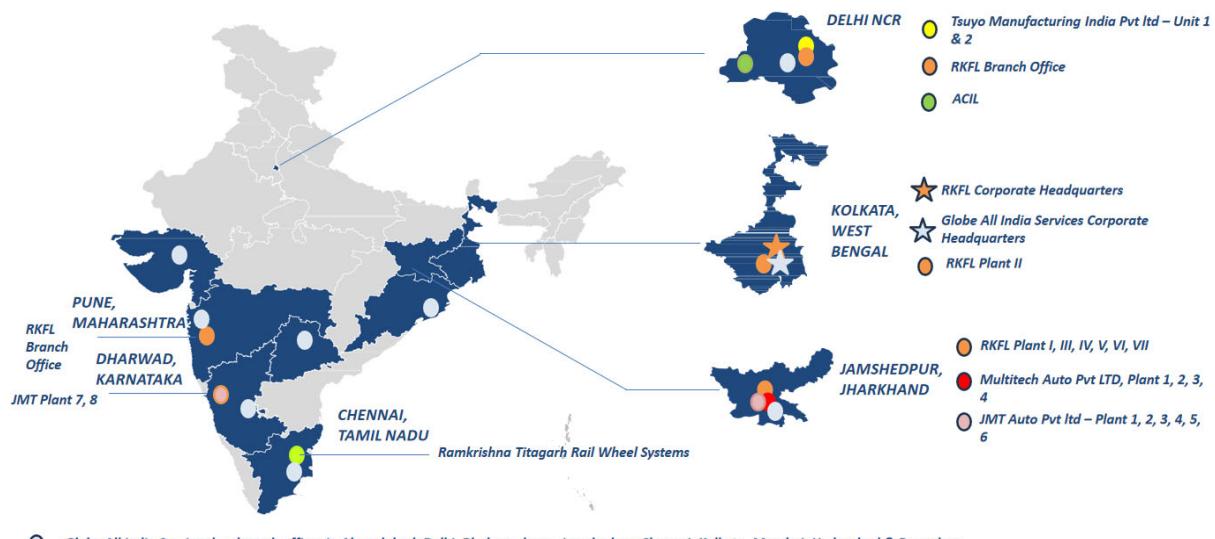
1-1.2 Business Verticals:



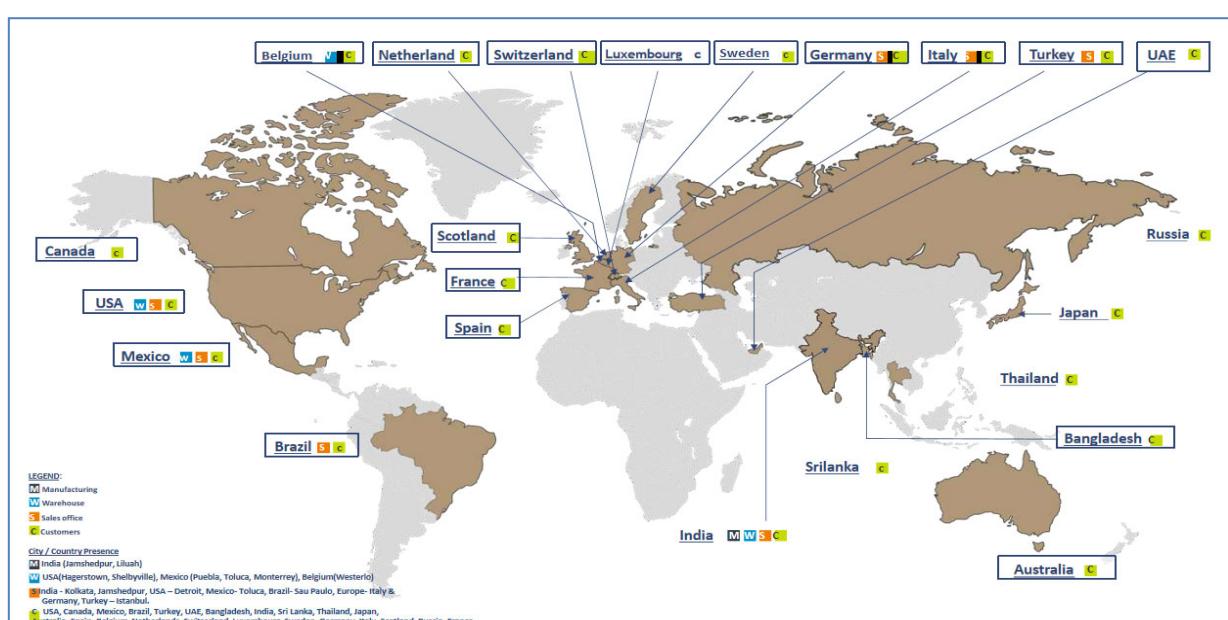
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1-1.3 National Presence:

RKFL group is having total 20 manufacturing facilities in India, out of which 16 manufacturing plants are in Jamshedpur(RKFL-6 Plants, MAPL-2 Plants, MMPL-2 Plants & RKCSL- 6 plants) , 1 plants is in Howrah west Bengal and 1 plant in Manesar(NCR)(ACIL), 1 plant in Chennai, 1 plants in Pune.



1-1.4 Global Presence:

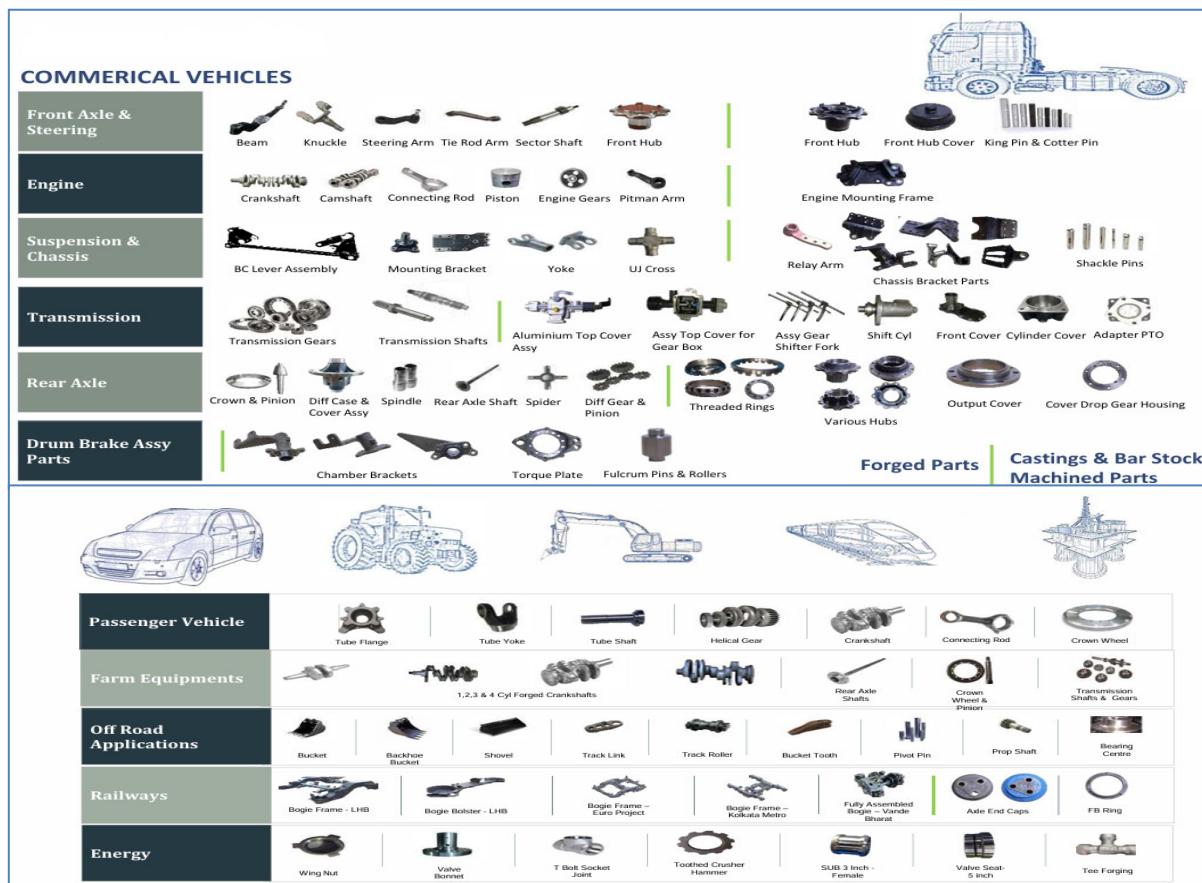


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1-1.5 Clientele:



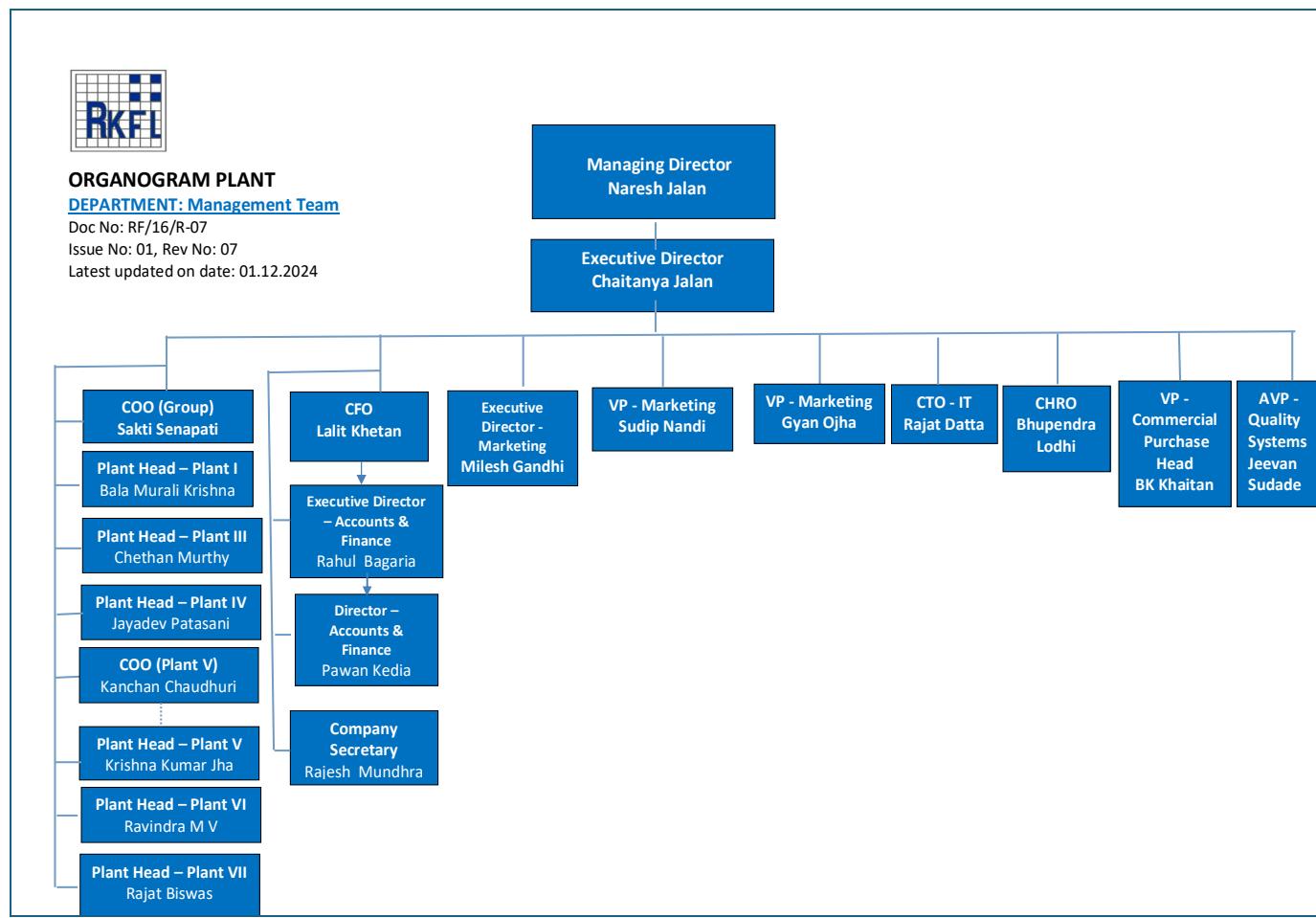
1-1.6 Product Portfolio:



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1.1.7 Organogram Top management team



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1-2 PLANT – RKFL PLANT-5

1-2.1 Outline of Plant:

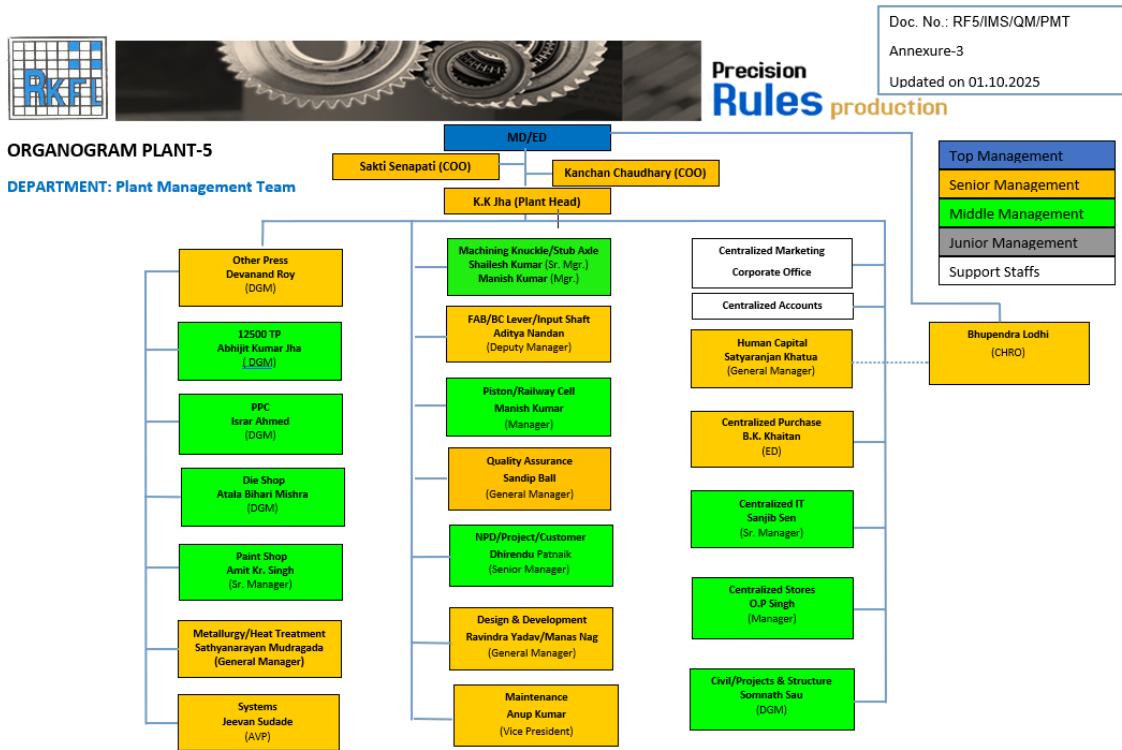


- **Plant Name: RKFL PLANT-5**
- **Location: Plant 5, Village- Baliguma, PO- Kolabira,District- Saraikela Kharsawan, Jamshedpur-833220, Jharkhand**
- **Plant Production Started: 2013 (November)**
- **Total No of Employees : 1632 Nos.**
- **Plot Area : 100000 sqft**

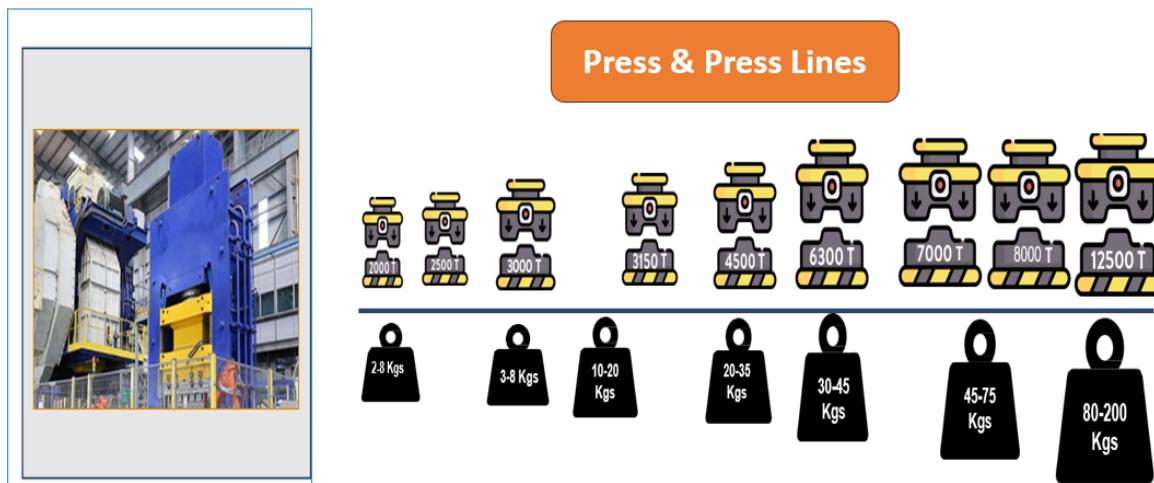
Major Customer: TML, DAF, VECV, Scania, Daimler, Ford, Tenneco, Federal, Mogul, DANA, Axle India, Ashok Leyland,

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1-2.2 Organization structure

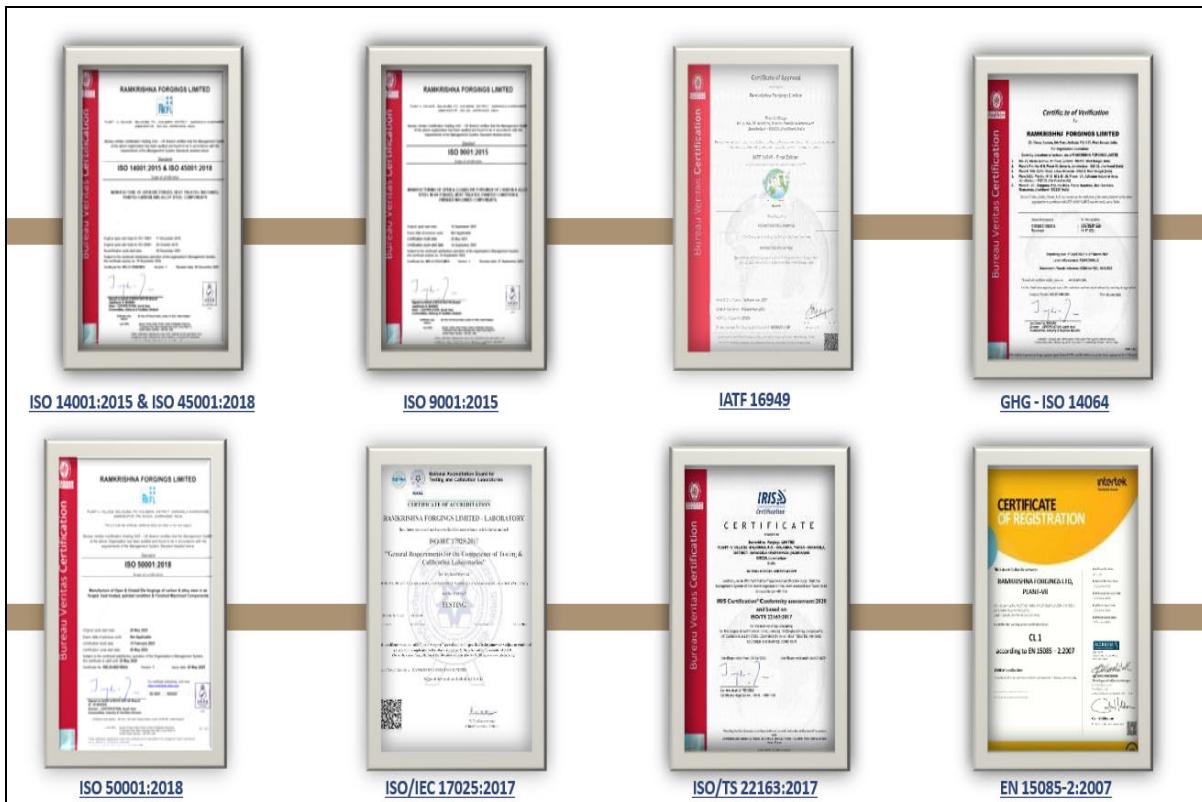


1-2.3 Production Facility



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1.2.4 AWARDS & ACKNOWLEDGEMENT-Plant 5



1.2.5 TPM Kick off

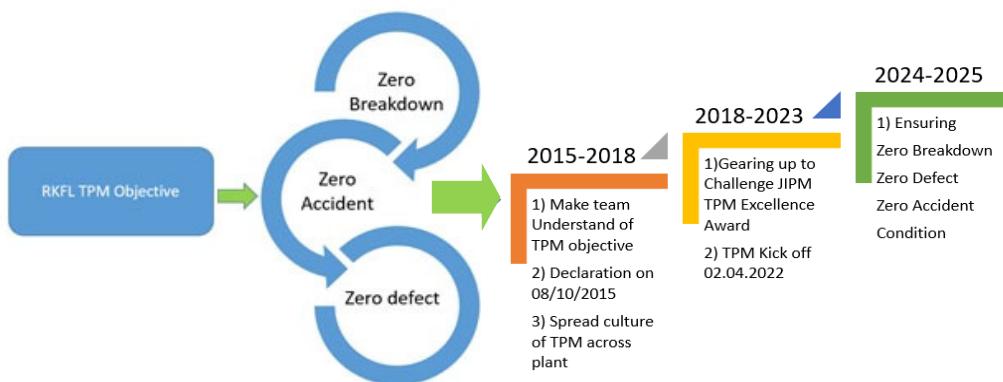


TPM Activities were Kicked off(Declaration) on 08/10/20215 with our Chairman lightening up lamp and ribbon cutting ceremony Declaration & Oath to make RKFL market leader among all forging companies

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1.2.6 TPM Objectives

We started our TPM journey in 2015 with the objective to train our people about TPM concept to achieve Zero Breakdown, Zero Defect and Zero Accident. In 2022, official kick off TPM



1.2.7 TPM Policy & Other Policies:

This is our TPM, Quality & EHS Policy

<p>TPM POLICY</p> <p>We, in our pursuit towards customer delight are committed to maximize overall plant effectiveness and creating work environment conducive for excellence.</p> <p>It is the policy of RKFL to establish TPM culture through involvement, training and empowerment of all employees for manufacturing products by continual improvement in systems and processes with zero losses.</p> <p>With this we will ensure defect-free on time supplies to our customers.</p> <p>Date: 29.06.2015</p> <p>M P Jalan (Chairman)</p>	<p>QUALITY POLICY</p> <p>Ramkrishna Forgings Ltd. is committed to achieve maximum customer satisfaction in its business of manufacture of all forged, fully machined, fabricated, and assembled components.</p> <p>We assure our commitment by:</p> <ul style="list-style-type: none">i. Providing consistent product qualityii. On-time deliveryiii. Reduction in wasteful practicesiv. Continual improvementv. Compliance with all requirements of systems and processes. <p>We shall achieve this by developing a capable team of competent employees and providing necessary resources, infrastructural facilities, and congenial work environment.</p> <p>Jamshedpur 01/02/2021</p> <p>M P Jalan (Chairman)</p>	<p>RAMKRISHNA FORGINGS LTD. ENVIRONMENT HEALTH & SAFETY POLICY</p> <p>Ramkrishna Forgings Limited is committed to protect the environment and health & safety of its employees, contractors, customers, public and other stakeholders by conducting business in a safe and environmentally sustainable manner.</p> <p>Ramkrishna Forgings Limited will comply with all applicable legal requirements, establish, and implement internal company rules, and management systems to assure Environment, Health, and Safety (EHS) compliance & continuous performance improvement. The Company will conduct periodic evaluations to monitor EHS compliance and performance at all its businesses worldwide.</p> <p>Ramkrishna Forgings Limited will integrate principles of resource conservation, pollution prevention; hazard elimination & reduction of risks. EHS stewardship into its business processes, facilities, operations and products. The Company will work to foster responsible practices among its suppliers, contractors, and customers.</p> <p>The Company will cooperate with government, industry, academia, and the public in support of regulation, research and programs that address areas of EHS concern.</p> <p>Ramkrishna Forgings Limited will conduct open communications and dialogue on workplace health, safety and environmental sustainability issues with its employees and stakeholders and will respond to EHS concern and suggestions. The Company will establish proactive EHS objectives & target and will report policy on progress and impacts.</p> <p>Activities governed by this Corporate Policy will be conducted in accordance with applicable governmental regulations, related Corporate Directives and Standard Operating Procedures.</p> <p>Jamshedpur 22/02/2021</p> <p>M P Jalan (Chairman)</p>
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1.2.8 KPI TARGETS OF PLANT LEVEL:

As we started implementing companywide TPM with 08 pillar activities, so the Targets were taken in terms of PQCDSM.

This company's wide target is shown below:

			RAMKRISHNA FORGINGS LIMITED							
			Plant - 5, JAMSHEDPUR							
			Plant KPI (FY 2025-26)							
S. No	Result Area	KPI	UOM	BM FY 2021-22 (Avg.)	FY 2022 -23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	Plan (Avg.)
1	P	Overall Equipment Effectiveness	%	66	70	78	80	83	85	
		a) Forging (OEE)		66.2	70	75	75	80	83	
		b) Machining (OEE)		65.6	70	80	85	85	87	
2	P	Machine Breakdown	Occurrence in Nos. / month	453	237	135	80	40	20	
3	Q	Overall inhouse Rejection	%	1.8	1.5	1.3	1.1	0.9	0.8	
		a) In-house rejection - Forging		2.4	1.9	1.7	1.4	1.2	1.0	
		b) In-house rejection - Machining		1.2	1.0	0.8	0.7	0.6	0.6	
		Customer end line rejection – As forged parts	PPM		0	0	0	0	0	
		Customer end line rejection – Machined parts	PPM		0	0		0	0	
4	Q	Customer Complaint (Forging & Machining)	Nos.	94	66	56	47	24	0	
5	D	Indent to order Lead Time	Days	8	7.5	7.0	6.5	6	5	
6	D	Customer Product delivery performance	%	98	90	90	90	100	100	
7	M	Training Plan Compliance	%	90	>90	>90	>90	>95	100%	
8	M	Training Man Hour / Employee	Hrs / Man / Year	NA	(I) 4 (for Management staff) (II) 3 (Contractual)	(I) 6 (for Management staff) (II) 6 (Contractual)	(I) 7 (for Management staff) (II) 6 (Contractual)	(I) 7.5 (for Management staff) (II) 6 (Contractual)	(I) 7.5 (for Management staff) (II) 6 (Contractual)	
				NA						
9	Q	Customer Satisfaction	%	70	>70	>80	>80	>90	>90	
10	C	Manufacturing Cost	% of Sales	17	15	15	16	15	15	
11	D	OTIF (Plant Delivery Adherence)	%	87	90	92	95	95	>95	
12	E	CSR Participations	Nos.	3	4	4	8	8	8	
13	S	Zero Down Time Accident	Nos.	0	0	0	0	0	0	
14	M	Kaizen	Nos.	13	200	300	600	1000	1100	
15	P	New Product Developed	Nos.	63	As Per Requirement	As Per Requirement	As Per Requirement	As Per Requirement	As Per Requirement	As Per Requirement
		a) Forging	Nos.	52	As Per Requirement	As Per Requirement	As Per Requirement	As Per Requirement	As Per Requirement	As Per Requirement
		b) Machining	Nos.	11	As Per Requirement	As Per Requirement	As Per Requirement	As Per Requirement	As Per Requirement	As Per Requirement
16	Q	NPD Customer Complaint	Nos.	2	0	0	0	0	0	
17	P	Digital Transformation - Projects	Nos.	-	-	-	15	15	15	



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1.2.9 TPM MASTER PLAN

This is our TPM Implementation master plan

			MASTER PLAN																										
Stage	Sl. No.	Activity	Essential Activity	Year		2023-2022				2022-23				2023-24				2024-25				2025-26				2026-27			
				Quarter	Plan	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Preparation of Introduction	1	Dedication by Top Management to introduce TPM - 08.10.2015	Declared TPM In-house seminar carried in company	Quarter	Plan																								
	2	Introductory education and campaign for TPM	2.1 Manager Trained in seminar camp at each level 2.2 General employee : Seminar Meeting using Video	Plan																									
	3	Establishing TPM promotion organization and pilot organization Model	Committee, Sub Committees and TPM Secretary and manager model in machines	Plan																									
	4	Setting basic Principle and Target for TPM	Benchmark and target prediction of effect	Plan																									
	5	Creating of master plan for Establishing TPM	Plan for Preparation of introduction to examination	Plan																									
Beginning of Introduction	6	Kick Off of TPM - 02.04.2022	Invite Customer and Affiliated Company	Plan																									
Actual Implementation or Implementation phase	7	Establishing systems for improving Production efficiency	Pursuing maximum efficiency of Production	Manager Model Machine (MMM)																	Pre-assessment By JIPM 15th Feb-2025				Second Stage Audit by JIPM Jan-2026				
	7.1	Focused Improvement (Kobetsu Kaizen)	Project team activates and small group activities in the workshop	Plan																									
	7.2	Autonomous Maintenance(Jishu Hozen)	Steps System, MMM, diagnosis	Plan																									
	7.3	Planned Maintenance	Improvement Maintenance, Periodic Maintenance, Predictive Maintenance,	Plan																									
	7.4	Education and training	Group education of leaders and training members	Plan																									
	8	Development Management	Development of easy to manufacture products and easy to operate equipment	Plan																									
	9	Quality maintenance	Setting condition without defectives and its Maintenance and control	Plan																									
	10	Office TPM	Support for production, increasing efficiency in the department and of equipment	Plan																									
	11	Safety, Health and Environment	Establishing zero accident	Actual																									
	12	Total Application of TPM and raising its level	Pre-assessment By JIPM Feb-2025 First Stage Audit By JIPM June-2025 Second Stage Audit by JIPM Jan-2026																										
Legends				Plan		Yellow				Actual				Green				Postponed				Orange				White			

1.2.10 TPM PROMOTION ORGANIZATION AND ACTIVITY:

During our Journey We have achieved a lot off Awards at State and National Level

