



Company Profile

Company Name	:	Godrej & Boyce Mfg. Co Ltd
Plant name	:	Godrej Storage Solutions, Chennai
Product	:	Storage Racking

1. Organization profile:

1.1 Godrej Group.

Established in 1897, the Godrej Group has its roots in India's Independence and Swadeshi movement. Our founder, Ardeshir Godrej, lawyer-turned-serial entrepreneur failed with a few ventures before he struck gold with a locks business.

Today, we enjoy the patronage of 1.1 billion consumers globally across consumer goods, real estate, appliances, agriculture, and many other businesses. In fact, our geographical footprint extends beyond Earth, with our engines now powering many of India's space missions.

With a revenue of over USD 4.1 billion we are growing fast, and have exciting, ambitious aspirations.

But for us, it is most important that besides our strong financial performance and innovative, much-loved products, we remain a good company. Approximately 23 per cent of the promoter holding in the Godrej Group is held in trusts that invest in the environment, health, and education. We are also bringing together our passion and purpose to make a difference through our Good & Green strategy of 'shared value' to create a more inclusive and greener India.

At the heart of all of this, is our people. We take much pride in fostering an inspiring workplace, with an agile and high-performance culture. We are also deeply committed to recognizing and valuing diversity across our teams.

1.2 Godrej & Boyce Mfg. Co Ltd

Engineering excellence and a strong pioneering spirit continues to underscore the operating philosophy of Godrej & Boyce Mfg. Co. Ltd. (G&B), the flagship company of the Godrej Group. Since 1897, G&B has played a pivotal role in India's economic growth and created sustainable value for all its stakeholders through its products and services across ten industries.

With revenues of over INR 147.96 billion (FY 2022-23) and over 15,000 committed employees, G&B's diverse presence across 10 industries – from building complex bespoke engineering solutions to making branded consumer goods like appliances, furniture, locks, and storage solutions. G&B positively impacts the lives of one-third of India's population. Through international subsidiaries and joint ventures, the company's products have also established a strong global footprint across 5 continents.



1.3 Godrej Storage Solutions

Godrej Storage Solutions is founded in 1960 at Mumbai, as a part of furniture business of Godrej & Boyce Mfg. co Ltd. In the year 2000, the company spun of storage solutions as a separate division and shifted its base to Chennai with an annual turnover of INR 11 billion.

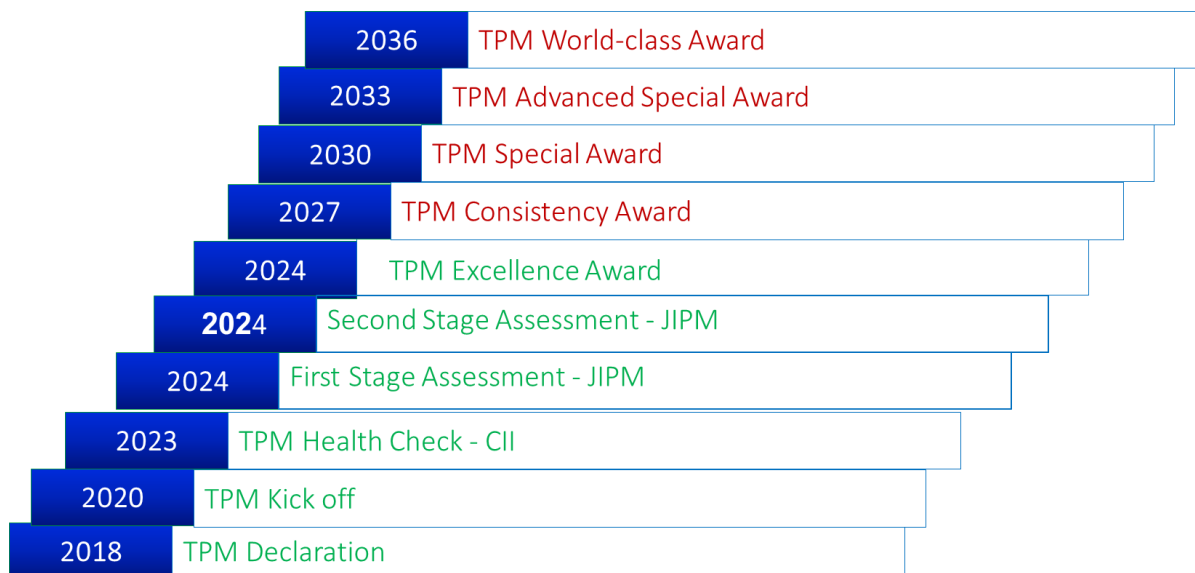
As pioneers and market leaders with over seven decades in the field of intralogistics, Godrej Storage Solutions caters to storage, movement and management needs of warehouses and shopfloors in India and international markets. Over the past two decades, the organization has created a storage footprint of over 203 million square feet. These projects have given the company, great insight into their customer pain points whether urban or rural, giving them a unique perspective of on-ground realities.

2. Milestone on the Journey to Manufacturing Excellence.

The Chennai division has come through a long journey since its inspection in the year 2000. Today, this division is Asia’s largest rack Manufacturing facility, with State - of -the - art technology and machineries.

In today’s competitive scenario, to achieve manufacturing excellence in all spheres need diligent teamwork and a framework like TPM in place.

Godrej Storage Solutions embarked the TPM journey to achieve their business volume and profitability along with employee development. The TPM Road map for the organization is given below.





3. Benefits Achieved:

The implementation of TPM allowed the plant to achieve both tangible and intangible benefits. All the outcomes are measured by PQCDSE parameters. After the introduction of TPM, the process & procedures are streamlined and systematic. The people become more proactive, and a sense of ownership has been successfully instilled, that contributed to their effectiveness.

Prominent Tangible benefits achieved at business level.

- 1) Manufacturing output has increased, which helped to achieve the growth of business volume from 54000 tons/annum to 70000tons /annum.
- 2) The On time in full delivery performance has improved from 65% to 90%.
- 3) Manufacturing conversion cost reduced 5% from Benchmark year.
- 4) Asset turnover increased by 2 times.
- 5) There are Zero major accidents since implementation of TPM.

Prominent In-tangible benefits achieved at business level.

- 1) Increased ownership of the equipment and workplace by workmen.
- 2) Attitude, Skill & Knowledge level of employees are enhanced.
- 3) Work environment improved.
- 4) A positive cultural change amongst the plant's employees.
- 5) Culture of working with focused way has developed in people.



4. TPM Award Assessment Achievement Sheet.

Company & plant name		Godrej & Boyce Mfg. Co Ltd. & Godrej Storage Solutions, Chennai.			
TPM Slogan/Objectives		Achieve Manufacturing Excellence Through TPM			
Category	Index	Unit	BM (TPM Started)	Actual Status	Target
Enter the year →			FY 2019-20 (Apr'19 - Mar-20)	FY2023 -24 (Nov'23 YTD)	FY2023 -24 (Apr'23-Mar'24)
S	Number of work-related accidents requiring days off work	Cases/ year	6	0	0
S	Number of work-related accidents not requiring days off work	Cases/ year	70	15	0
P	Productivity for main products	tons/hr.	8.32	10.23	10.6
P	OEE - Metal Forming	%	32.2	61.14	70
P	Availability - Metal Forming	%	50.48	65.66	80
P	Performance Rate - Metal Forming	%	64.8	93.83	95
P	Quality Products Rate - Metal forming	%	98.43	99.24	100
P	OEE - Powder Coating	%	49.1	73.5	76
P	Availability - Powder coating	%	64.25	84.3	85
P	Performance Rate - Powder Coating	%	79.53	88.18	90
P	Quality Products Rate - Powder Coating	%	96.11	98.81	99
P	Number of breakdowns	Breakdowns/ year	708	264	0
P	MTBF	Hour	35	267	500
P	MTTR	mins	180	35	30
Q	Number of customer complaints	Number/year	6	0	0
Q	In-line defect rate - Metal Forming	%	0.7	0.34	0.3
Q	In-line defect rate (rework) - Powder coating Line - 12m	%	2.09	1.39	1
Q	In-line defect rate (rework) - Powder coating Line - 9m	%	11.23	3.93	1
Q	In-line defect rate (rework) - Powder coating Line - FPL	%	8.6	2.03	1
C	Cost index - Manufacturing (Conversion Cost)	Cost/kg	14.52	13.82	13.5
D	Delivery performance	%	65	89	95
S	Frequency rate	Number of occupational accidents with leave for 1 000 000 worked hours	2.87	0	0
M	Number of Employee Suggestions	Number/year	1356	2100	2220



5. Key to Our Manufacturing Excellence:

The Key to our manufacturing excellence lies in continually improving activities, systems, and processes. Kaizen has been a way of life with focused improvements in areas of Safety, Quality, productivity etc. The company deploys latest technologies like IOT, Low-cost Automation and Robotics to drive larger improvements in the plant periodically. The Manufacturing Excellence program is reviewed periodically to meet the Strategic performance and business results.

Future plan.

Godrej Storage Solutions next step is to obtain Consistency award and plans to implement green products that would assist in meeting the Sustainable Development. Further we also explore the ways to implement innovative kaizen practices through TPM for achieving Zero losses and defects.

6. Contact Person

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