



completion of one year in CII TPM Significant achievement certification are eligible to apply. In this EOT Category, TPM activity must be implemented at plants / factories on 8 pillars (individual improvement; autonomous maintenance; planned maintenance; initial management; quality maintenance; administrative and supervisory department; education and development; safety, Health, and environment control). Important to note that plants / factories must have completed the 4th Step of Autonomous Maintenance (Jishu - Hozen) at least by minimum 75% of equipment completed the 4th Step. The phrase "completion of the 4th step" regarding Autonomous Maintenance means that each operator has understood the functions and structures of the equipment in their workplaces to losses. Must have prevent completed infrastructure development for TPM activity with both tangible and intangible achievements obtained.



CII TPM certifications

To support the companies during this phase of TPM implementation, CII TPM Club India has designed an evaluation mechanism and create Milestones in between the long journey. The companies may challenge and get recognized after successful adherence.

The evaluations would also be useful for companies who are planning to apply subsequently for Diagnostic assessment, and it will motivate the plant personnel to continue TPM journey.

One year after kick off companies can apply for Strong commitment And 2 years after kick off for Significant achievement.

CII TPM Certification (2016 - 2023)



EOT Winner of the Year 2023

Excellence in Operational Technology Award was presented to Sartorius Stedim India Pvt Ltd at the TPM National Conference on 28th September 2023 in Chennai. Chief Guest for the TPM National Conference Dr N Muthukumar, President & COO, Cummins-Meritor India presented the EOT Award to Sartorius Stedim India Pvt Ltd



Mr. Anthony Joseph Prakash - Head of Operations, Sartorius Stedim India Pvt Ltd, Dr N Muthukumar, President & COO, Cummins-Meritor, Mr. Sevugaperumal - TPM Specialist Production, Sartorius Stedim India Pvt Ltd and Mr. Manjunath Revankar - Manager of Production, Plant Maintenance, CI & T, Sartorius Stedim India Pvt Ltd

TPM SUCCESS STORY

Company	Sartorius Stedim India Pvt Ltd		
Factory	Manufacture of equipment's for biopharmaceutical process industries		
Product	Fermenters, Bioreactors and filtration systems		
TPM Kick-off	December 2019	NA Anthony In	
Award	EOT 2023	Mr. Anthony Jos Head of Operation	



seph Prakash ons, Bangalore

Company Profile

Sartorius - Making Biotech Medications and Vaccines Accessible to More People

The Sartorius Group is a leading international partner of life science research and the biopharmaceutical industry With innovative laboratory instruments and consumables, the Group's Lab Products & Services Division concentrates on serving the needs of laboratories performing research and quality control at pharma and biopharma companies and those of academic research institutes The Bioprocess Solutions Division with its broad product portfolio focusing on single-use solutions helps customers to manufacture biotech medications and vaccines safely and efficiently

The Group has been annually growing by double digits on average and has been regularly expanding its portfolio by acquisitions complementary technologies nearly 16,000 people are employed at the Group's approximately 60 manufacturing and sales sites, serving customers around the globe

Sartorius India Bangalore Site has a total plot area of over 40,682 sq m This site is the center of Excellence for Engineering and Manufacturing of Stainless-steel products, Membrane filters and Engineered Systems Site has international Quality systems complying to ASME, PED and other applicable regulations for supply of pressure vessels, equipment, and systems to Global Clients Our products are widely used in the development and production of Biopharmaceutical products and services such as vaccines / medicines for various applications including COVID-19 treatment

Expectations from TPM:

With growing demand for on time supplies of Quality products, it is expected that the machineries and equipment remain at their highest operational efficiency with Zero Breakdowns, Zero Accidents and Zero Defects through structured TPM practices

Additionally, it is also expected to Reduce Manufacturing cost (Conversion Cost, Manpower Cost, Consumables Cost, Electricity Cost & Maintenance Cost) with highest level of participation of Employees in Improvement activities and Minimizing effect on environment by Resource conservation initiatives

TPM SUCCESS STORY

Achievement area - Tangible Benefits:

Sno	Category	Parameter	Unit	Before	After
1	S	Major Accidents (Reportable accidents)	Cases/Year	0	0
2	S	Minor Accidents (Recordable accidents)	Cases/Year	6	3
3	Р	OEE (or Overall Plant Efficiency)	%	64	80
4	Р	Number of breakdowns	Breakdowns/ year	96	0
5	Р	MTBF	Hour	46	4510
6	Р	MTTR	Hour	5	0
7	Q	Number of customer complaints	Number/year	67	10
8	Q	In-line defect rate (scrap)	%	065	8000
9	Q	In-line defect rate (rework)	%	029	011
10	Q	COPQ	%	017	002
11	С	Manufacturing cost saving	INR in Laksh / Year	5,00,000	76,61,935
12	С	Repair and maintenance cost	% of sales revenue	033	018
13	D	Production Lead time	Days	70	30
14	D	Delivery performance	%	77	98
15	М	Number of Employee Suggestions	Number/year	120	434
16	М	Number of Kaizen	Number/year	200	388

Company	UNO Minda Limited – Seating Division
Factory	Sriperumbudur - Chennai
Product	PU Foams & Seats
TPM Kick-off	2015
Award	EOT 2023



Mr. N. Dwarakanath Plant Head

Company Profile

UNO Minda Limited - Seating Division

The company specializes in manufacturing of Polyurethane (PU) Foam pads, Two & Four-Wheeler seats and PU composites

UNO Minda Ltd Seating Division- Chennai started in the year of Jan'2010

- Annual Turnover of Rs 159 Crore FY 22(YEO)
- 473 Employees during the Year 2022

Manufacturing Facility

- Having 1800 Car sets / Day Foam pads manufacturing capacity
- Having 6000 Bike seats / Day Twowheeler seat assembly manufacturing capacity

Expectations from TPM:

- Create safe working environment
- Enhancement of skills
- Reduction in breakdown occurrence
- Cost optimization
- Quality improvement

Achievement area - Tangible Benefits:

SlNo	Category	Parameter	UoM	Before	After
1	Productivity	Foam / Employee / Shift	Nos	138	171
2	Quality	Customer complaints	Nos	70	3
3	Cost	Manufacturing cost	%	102	36
4	Delivery	Performance	%	98	100
5	Safety	Minor accidents	Nos	5	0
6	Moral	Kaizen / Employee / Year	Nos	025	3

TPM SUCCESS STORY

Company	CIE Automotive India Ltd
Factory	Iron castings division
Product	Turbine Housing, Gear Carrier, differential, Hsg Bearing caps, PHC, manifolds etc
TPM Kick-off	December 2021
Award	EOT 2023



Mr. Santosh Kulkarni Plant Head

Company Profile

CIE Automotive India is a multi-technology automotive components supplier listed on the stock exchanges in Mumbai We are a subsidiary of the CIE Automotive group of Spain; an industrial group specialised in supplying components and subassemblies for the automotive market, which has presence across the globe and is listed on the stock exchange in Madrid

CIE Automotive India Ltd Iron castings division is IATF 16949:2016 certified company, it is engaged in manufacturing of large automotive SGI parts, such as Turbine Housing, Lift arm, Rocker arm, Manifolds, Wheel hub, Bull cage & Diff case, crank shaft etc

Expectations from TPM:

- To achieved Zero BAD (Zero Brack down, accident & defects)
- JIPM award to be achieved in 2026
- OEE improvements at foundry and machine shop
- Improve Customer satisfaction
- Reduce internal rejection (Casting & machining)
- Increase foundry utilization

Achievement area - Tangible Benefits:

Sl	Category	Parameter	UoM	Before	After
No	Category	raiailletei	0014		
1	Productivity	OLE Foundry	%	74	85
2	Productivity	Avg Boxes NL0 plant	Daily Avg Boxes Nos	1507	1935
3	Productivity	MTTR (Mean time to repair)	Hrs/ Month	2	14
4	Quality	Customer complaints	Nos	05	02
5	Quality	Total Foundry rejection	%	119	8
6	Quality	Customer end rejection	%	092	051
7	Cost	COPQ	Cr/month	297	21
8	Cost	Total cost saving	Mn/month	6	285
9	Delivery	OTIF	%	78	91
10	Safety	Reportable Accident	Nos/ month	0	0
11	Safety	First aid cases	Nos/ month	6	15

CII TPM Certification Winners

SL	Company name	Certification Name
1	Nel cast , Chennai	Significant achievement
2	Caparo, Chennai	Significant achievement
3	Madras Radiators, Chennai	Significant achievement
4	Amalgamation Repco, Chennai	Significant achievement
5	Ashok Iron Works, Belgaum	Significant achievement
6	Coca Cola, Hospet	Significant achievement
7	SKF India Ltd, Haridwar	Strong commitment
8	Neel Industries, Chennai	Strong commitment
9	Surin Automotive Pvt Ltd, Bangalore	Strong commitment

SL	Company name	Certification Name
1	EID-Parry Ltd, Pudukottai Plant	Significant achievement
2	EID-Parry Ltd, Nellikuppam	Significant achievement
3	KEC International Limited, Jaipur	Significant achievement
4	KEC International Limited, Nagpur	Significant achievement
5	Harita Fehrer Ltd, Chennai	Strong commitment
6	KEC International Limited, Jabalpur	Strong commitment
7	Essae Digitronics Private Limited, Bangalore	Strong commitment
8	JK Papers, Raipur	Strong commitment
9	EPCOS India Private limited	Strong commitment

SL	Company name	Certification Name
1	Harita Fehrer Ltd, Chennai	Significant Achievement
2	Sundaram Auto Components Limited, Mysore	Strong Commitment

3	Eastern Condiments Pvt Ltd Kochi	Strong Commitment
4	Pushp Enterprises, Jaipur	Strong Commitment
5	Sharda Motor Industries Ltd, Exhaust System Division, Chennai	Strong Commitment
6	Sharda Motor Industries Ltd,Exhaust and Tube Mill Division, Chennai	Strong Commitment
7	Sharda Motor Industries Ltd, Suspension Division, Nashik	Strong Commitment
8	Sharda Motor Industries Ltd, Exhaust Division, Nashik	Strong Commitment
9	Rico Aluminum and Ferrous Auto Component Ltd, Gurugram	Strong Commitment
10	Rico Auto Industries Limited, Bawal Rewari	Strong Commitment
11	Rico Auto Industries Limited, Gurugram	Strong Commitment
12	KEC International Limited (RPG Cables), Vadodara	Strong Commitment

SL	Company name	Certification Name
1	Sundaram Auto Components Limited, Mysore	Significant Achievement
2	Parry Sugars Refinery India Private Limited	Significant Achievement
3	Rico Auto Industries Ltd, Gurugram	Significant Achievement
4	Carborundum Universal Limited, Ranipet	Significant Achievement
5	Rico Aluminum and Ferrous Auto Component Ltd, Gurugram	Significant Achievement
6	Greaves Cotton Limited, Aurangabad	Significant Achievement
7	AQUASUB ENGINEERING, Foundry Division	Significant Achievement
8	Harita Fehrer Limited, Ranjangaon	Significant Achievement
9	Harita Fehrer Ltd, Hosur	Strong Commitment
10	Bill Forge Private Limited, Bangalore	Strong Commitment
11	Tirth Agro Technology Pvt Ltd, HTFE	Strong Commitment
12	Mahindra CIE Automotive Limited (Gears Division), Rajkot	Strong Commitment

13	NHB BALL & ROLLER LTD	Strong Commitment
14	Jayaswal Neco Industries Ltd	Strong Commitment
15	SKH Sheet Metals Components Pvt Ltd	Strong Commitment

SL	Company name	Certification Name
1	MCIE Gears Rajkot	Significant Achievement
2	Cumi EMD , cochin	Strong Commitment
3	Titan Jewellers, Hozur	Strong Commitment
4	JBM, chennai	Strong Commitment
5	Cluster 1 -Micro tech	Strong Commitment
6	Cluster 2 - Micro tech	Strong Commitment
7	MCIE Gears Pune (Chakan)	Strong Commitment
8	MCIE Magnetic, Pune (Vhysri)	Strong Commitment
9	Sartorius stedium	Strong Commitment

SL	Company name	Certification Name
1	Sartorius Stedim India Pvt Ltd	Significant Achievement
2	Mahindra CIE Automotive Ltd., Gears & Transmissions Division, Pune	Significant Achievement
3	Mahindra CIE Automotive Ltd., Magnetic Products Division, Pune	Significant Achievement
4	Nitta Gelatin India Ltd., Kakanad Plant	Strong Commitment
5	Nitta Gelatin India Ltd., Koratti Plant	Strong Commitment
6	Navytasis India	Strong Commitment
7	Endress+Hauser Flowtec (India) Pvt. Ltd.	Strong Commitment
8	Yokohama Off-Highway Tires private Limited - Dahej	Strong Commitment
9	Yokohama Off-Highway Tires private Limited - Thirunelvelly	Strong Commitment

SL	Company name	Certification Name
1	Endress+Hauser Flowtec (India) Pvt. Ltd.	Significant Achievement
2	Navitasys India Private Limited	Significant Achievement
3	Nitta Gelatin India Limited Gelatin Division, Kakkanad, Kerala	Significant Achievement
4	Nitta Gelatin India Limited Ossein Division, Koratty, Kerala	Significant Achievement
5	Sunflag Iron & Steel Company Ltd.	Significant Achievement
6	Yokohama Off-Highway Tires - ATC Tires Private Limited, Tirunelveli	Significant Achievement
7	Yokohama Off-Highway Tires Pvt. Ltd. - Dahej	Significant Achievement
8	Carborundum Universal Limited - Super Refractories Division, Ranipet	Strong Commitment
9	Godrej Locks & Architectural Fittings and Systems	Strong Commitment
10	Mahindra CIE Automotive Ltd. Foundry Division	Strong Commitment
11	Microtek International Supplier Development Cluster 1	Strong Commitment
12	Microtek International Supplier Development Cluster 2	Strong Commitment
13	MINDA CORPORATION LTD. – Die Casting Div. (Unit II) Pune	Strong Commitment
14	Rico Auto Industries Ltd., Haridwar	Strong Commitment
15	SKAPS INDUSTRIES INDIA PVT. LTD. [MUNDRA-SEZ UNIT II]	Strong Commitment
16	SKAPS INDUSTRIES INDIA PVT. LTD. MUNDRA-SEZ DIV	Strong Commitment
17	Tata Steel Long Products Limited	Strong Commitment
18	Sarda Metals & Alloys Ltd	Strong Commitment
19	ADAMA India Pvt Ltd	Strong Commitment

SL	Company name	Certification Name
1	Tata Steel Long Products Limited	Significant Achievement
2	Rajratan Global Wire Limited	Significant Achievement
3	CIE Automotive India Ltd., Iron Castings, Urse	Significant Achievement
4	Microtek International Supplier Development Cluster	Significant Achievement
5	Godrej Locks & Architectural Fittings and Systems	Significant Achievement
6	UNO MINDA LIMITED – SEATING DIVISION HOSUR & MYSURU	Significant Achievement
7	Sarda Metals & Alloys Ltd.	Significant Achievement
8	Napino Control Systems Pvt. Ltd.	Strong Commitment
9	Rane Engine Valve Ltd., Tumkur	Strong Commitment
10	Rane Engine Valve Ltd, Trichy (Pudukottai District)	Strong Commitment
11	MANU YANTRALAYA (P) LTD	Strong Commitment
12	Titan Company Limited, Jewellery Division, Pantnagar	Strong Commitment
13	SKAPS INDUSTRIES INDIA PRIVATE LIMITED (CHENNAI DIV.)	Strong Commitment
14	SKAPS ADVANCED COMPOSITES PRIVATE LIMITED (PET), SEZ MUNDRA	Strong Commitment
15	SKAPS INDUSTRIES INDIA PVT. LTD. (100% EOU)	Strong Commitment
16	MINDA CORPORATION LTD. (SSD DIV.), PUNE	Strong Commitment
17	Victora Automotive Pvt Ltd - Haridwar	Strong Commitment
18	Sundaram Auto Components Limited - Hosur	Strong Commitment
19	SUNDARAM INDUSTRIES PVT. LTD - MARAIMALAINAGAR	Strong Commitment
20	Jaideep Ispat & Alloys Pvt Ltd	Strong Commitment
21	SKAPS ADVANCED COMPOSITES PRIVATE LIMITED (ANJANI), SEZ MUNDRA	Strong Commitment

22	Kalpataru Projects International Ltd. Raipur Plant	Strong Commitment
23	Valvoline Cummins Pvt Ltd	Strong Commitment
24	Mikuni India Pvt Limited	Strong Commitment

EOT AWARD OVER THE YEARS

Year	Excellence in Operations Technology (EOT) Award	
2019	Godrej &Boyce Mfg Co Ltd, Lawkim Motor Group	
2020	Murugappa Morgan Thermal Ceramics Ltd	
2022	UNO Minda Limited - Seating Division - Chennai (Formerly known as Harita Fehrer	
	Ltd)	
2023	SARTORIUS STEDIM INDIA PVT LTD	







With an objective of supporting Indian Industry to become competitive through adoption of TPM, Confederation of Indian Industry (CII) signed an MoU with Japan Institute of Plant Maintenance (JIPM), Japan in March 1998 and created TPM Club India as an entity within CII. CII TPM Club India thus became the launch vehicle to promote TPM in India.

Since then, TPM Club India has been supporting the Indian Industry through propagation and implementation of TPM technologies. To further promote and create a wide support structure across India through a network of professionals, the CII IQ TPM Club India has launched the TPM Club Professional Membership. This forum will provide an opportunity to connect, learn, propagate, and contribute actively to further improving the competitiveness of the Indian Industry towards the goal of Competitive, Inclusive and Self-reliant India.

The TPM Club India is only organization whose previous two Heads were awarded Nakajima Award by JIPM due excellent work done in spreading TPM in India. It's only Indian organization and among few in the world whose present head is nominated by JIPM in the Global team to decide Global TPM Implementation Standard under guidance of BSI, England.

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