

## **TATA MOTORS** Replication potential **COMMERCIAL VEHICLES Plant Wise Total Waste Generation** Target: Zero packaging waste by FY 2029 ■ FY 24 ■ FY 25 5817 Hazardous Waste Management model implemented across Tata Motors 3905 3158 Sealant Oven Elimination: Learnings to be shared for Horizontal 2273<sub>1973</sub> Deployement 1650 Learnings to be horizontally deployed across other TML 1058 581 487 locations to reduce waste sealer disposal LKO UTK DWD **PUN JSR LKO DWD UTK** Supplier Name Supplier Polythene Wooden Cardboa Wooden olyther Cardboa Supplier Supplier Supplier olythen /ooden Cardbo 353.4 0.0 49.8 Right Tight 0.0 0.0 28.8 Gabriel India 0.0 0.0 38.3 13.5 0.0 98.8 0.0 TML JSR 112.8 8.2 Fasteners Kumar Exports 4.9 0.0 138.1 Ravikas Auto 0.0 0.0 24.8 Sundaran TML PUNE 0.0 35.4 0.0 Fortuna Engg 2.3 0.0 32.8 GNA 83.8 0.0 5.1 0.9 52.9 fasteners 31.8 EMDET 0.0 0.0 15.2 Brakes India 5.3 0.0 0.2 0.0 3.7 0.0 32.7 SKS fasteners IPH 0.7 20.8 13.8 JMP Industrie 0.8 0.0 Knorr Bremse 0.0 0.0 144 William Controls 1.6 0.0 Vinman 1.2 Indication 0.0 32.1 3.7 0.0 19.5 Industries Jayashree Instruments ZF INDIA 1.5 AMJ Corp 0.1 0.0 9.0 3.6 0.0 7.3 Polymer Shigan quantam 0.3 8.0 16.4 Electrica 12.2 0.0 10.4 SKF INDIA 0.0 8.3 Rane Engine Vale 4.8 0.0 technologies 3.3 OSS Automotiv 0.0 0.0 6.0 Engineers Singhbhum KSP Auto and 0.6 22.9 0.2 Natesan 2.1 0.0 19.1 0.0 7.4 5.5 0.0 Premier Seals 0.0 3.9 KSPG Auto 5.4 0.0 2.0 Forge techno Supreme 0.0 0.0 10.8 New Allenberry 0.0 22.1 0.2 0.0 5.0 0.0 3.7 3.9 AMKEIS 0.3 3.1 ADM Joinflex 0.4 0.0 Tenneco industries SPG Auto 2.5 0.0 19.7 Sona Blw 0.0 9.7 Siddhi Ferrous 0.0 0.0 7.2 LINO Mindarika 0.2 0.0 2.2 Fourfront 0.0 0.0 4.1 Exide Industries 0.4 16.4 4.8 FOURFRONT PVT 2.0 4.0 EMDET 0.0 0.0 5.7 ZF Steering 0.0 1.9 0.4 0.0 0.0 Anandji Haridas LTD Schaeffler India 0.6 4.1 16.7 Better Always © Copyright, Confidential, Tata Motors Limited

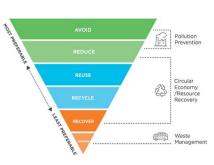
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## **Intangible Benefits**

- Enhanced brand reputation
- Regulatory compliance & risk mitigation
- Industry recognition & certifications (CII Zero Waste to Landfill, Water Positive)
- Aligned with Tata Group Aalingana Targets.
- Contribution to national & global sustainability goals (SDGs, Net Zero roadmap)
- Sealer Oven Cleaning activity will be eliminated and Paint Shop Process time will reduce by 30mins

## **Major Learnings:**

- Utilizing Waste as a Resource
- Collaboration is Key Vendor partnerships and cement industry tie-ups enable scalable sustainability solutions.
- Decarbonisation through Innovation
- Closed-Loop Systems Work Reusable packaging and co-processing eliminate single-use waste and landfill dependency.
- Replicability Across Sectors Models can be adopted in automotive, FMCG, pharma, chemical, and municipal waste management.



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Best Practices TATA MOTORS COMMERCIAL VEHICLES

- Vendor Park with Reusable Packaging Colocation of key suppliers within 2–3 km enabling Just-in-Time (JIT) delivery, supported by closed-loop trays, trolleys, and metal racks, eliminating single-use plastics, corrugated boxes, and thermocol.
- Shift to Clean Fuel Logistics Transition from diesel to CNG/electric vehicles for intra-park transport, reducing GHG emissions and localized air pollution.
- Hazardous Waste Circular Utilization Co-processing of ETP sludge, paint sludge, sealant waste, and oily residues in cement kilns for energy/material recovery, along with recycling of paint sludge for inner-body components, reducing virgin paint use, waste generation, and costs.

## **Internal Benchmarking**

- First Tata Motors plant to achieve CII Zero Waste to Landfill Certification
- · Pioneer in implementing Vendor Park model with reusable packaging
- Sealer Oven elimination first among Tata Motors plants, reducing propane & power consumption resulting in GHG reduction.

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