



Designing for a **Low-Carbon Future**

GHG Emissions Inventory Report - FY25

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01 Designing for a Low-Carbon Future

A Business Perspective from Talin

In the evolving landscape of modern work, furniture does more than define space. It reflects values. At Talin, we believe that every product we design carries a responsibility. Not only to function well and look timeless, but to be made with awareness of its environmental impact and with a commitment to a more sustainable future.

This GHG Emissions Inventory Report is part of that responsibility. It reflects not just measurements, but intent. It shows how we have powered our operations with renewable electricity, maintained Scope 2 carbon neutrality, and begun a deeper integration of circularity in our material sourcing and product development. And importantly, it reflects our choice to be transparent through

third-party assurance and public disclosure, because we believe that trust is built not on claims but on clarity.

Our vision is clear. To be recognised not only as a leader in modular furniture but as a company that designs with climate intelligence at its core. Our commitment to Net Zero by 2040 is not a distant aspiration. It is already shaping our processes, our investments, and our daily decisions.

We understand that our clients, whether corporates, institutions, architects, and designers are also on their own sustainability journeys. They are looking for partners who align with their values, who bring not just products but perspective. This is what we aim to offer. A design-led approach that delivers

environmental accountability without compromise on performance, form, or adaptability.

This report is a milestone, not a conclusion. It signals where we are and where we are going, alongside our partners, our clients, and the broader ecosystem we are proud to be part of.

Talin is not just responding to change. We are designing for it.



02 Purpose and Scope of This Report

Purpose

The primary objective of this report is to transparently disclose Talin's greenhouse gas (GHG) emissions for the reporting year, in alignment with the GHG Protocol Corporate Accounting and Reporting Standard. It provides stakeholders, including customers, employees, investors, regulators, and the broader community, with clear insights into our climate impact. Internally, it serves as a strategic tool to guide decision-making, track progress against our climate targets, and identify opportunities for further emissions reduction.

Reporting Period

This GHG Emissions Inventory covers FY25 (April 1, 2024 – March 31, 2025).

Reporting Frequency

The report is published on an annual basis.

Report Iteration

This is our third GHG Emissions Inventory Report, reflecting our commitment to consistent and transparent disclosure.

Base Year – Scope 1 & Scope 2

The base year for Scope 1 and Scope 2 emissions is FY22. No recalculations have been required, as no structural, methodological, or data changes have occurred that would trigger a recalculation under the GHG Protocol.

Base Year – Scope 3

The base year for Scope 3 emissions is FY25. While initial reporting began in FY24, this year's inventory broadens and strengthens coverage to include additional categories, making FY25 a more representative starting point for long-term progress tracking.

03 About Talin and Our Sustainability Journey

More than 25 years into our journey, Talin continues to evolve not only as a manufacturer of modular furniture but as a company actively designing for a lower carbon world.

Over the past year, sustainability has become less of a department and more of a design mindset across our organisation. Conversations around material choices, energy sourcing, and product life cycles are no longer adjacent to design; they are central to it. Our teams are not just aligning with environmental goals; they are contributing to them through day-to-day decisions across functions.

This report reflects that shift. From maintaining Scope 2 carbon neutrality through renewable electricity to

expanding the use of recycled inputs and circular design strategies, our sustainability practices have matured from commitment to integration. Every new product now carries with it a set of environmental considerations, quietly embedded into the design and not added on afterward.

What has changed this year is not only the scale of implementation but the nature of collaboration. Clients and partners are engaging with us not just on product performance but on carbon performance. Sustainability is becoming part of the brief, and Talin is ready to meet that brief with data, transparency, and design intelligence.

We have also begun mapping how our work supports broader value chain

impact, from enabling Scope 3 reductions for clients to contributing meaningfully toward building certifications and ESG disclosures. Our systems are modular, but our commitment is comprehensive.

As we look ahead, we remain focused on advancing our Net Zero 2040 pathway, not just by setting targets but by making continuous, verifiable progress, product by product and project by project.





04 Sustainability through Emission Management

Reaching Net Zero is a race against time to cut carbon and restore balance with our planet.

Every journey towards a better future begins with a choice, and for us that choice is urgent and clear to take responsibility for our greenhouse gas emissions now, not later. Each year we remain in action that matters, as every step towards Net Zero helps slow the addition of carbon to our atmosphere while working to mitigate and offset as much as possible.

Guided by the science and direction of the Science Based Targets initiative (SBTi), we are moving decisively and transparently. We disclose our progress through the Carbon Disclosure Project (CDP) and follow the Global Reporting Initiative (GRI) standards, ensuring that

every number, every action, and every improvement is accountable and measurable.

We treat sustainability not as a separate target but as a way of operating that shapes every decision and investment. Our efforts align with the United Nations Global Compact (UNGC) principles and contribute to the Sustainable Development Goals (SDGs) wherever they fit our mission. Managing emissions is, for us, a race that demands both urgency and innovation, cutting carbon while improving efficiency and creating lasting benefits for people and the planet. This report captures the progress we have made so far, and the path we are determined to accelerate on, as we work towards restoring balance with our planet.



05 Methodology and Protocol Alignment

Standards and Frameworks

This inventory has been prepared in accordance with the GHG Protocol Corporate Accounting and Reporting Standard, with calculation approaches tailored to each scope:

- Scope 1 – Direct Emissions: Calculated using actual activity data from on-site fuel combustion and other direct sources, multiplied by appropriate emission factors.
- Scope 2 – Indirect Energy Emissions: Calculated using purchased electricity data and grid emission factors from reputable databases. Both location-based and market-based methods have been applied, in line with GHG Protocol guidance, to provide a more comprehensive representation of indirect energy-related emissions
- Scope 3 – Other Indirect Emissions: Estimated using the most suitable method for each category, such as average-data, spend-based, distance based, depending on data availability, relevance, and source characteristics.

Emission Factors

Emission factors have been sourced from reputable global and national databases, including but not limited to:

- DEFRA UK 2025 – Released June 2025
- CEA India Baseline Emission Factors – Released December 2024
- USEEIO V.1.3 – Released July 2024
- CEA India Executive Summary Report – Released March 2025

Global Warming Potentials (GWPs)

- All GHGs have been converted to carbon dioxide equivalent (CO₂e) using the 100-year Global Warming Potential values from the IPCC Sixth Assessment Report (Ar6).

Calculation Approach

Emissions are calculated using the following formula:

Emissions (tCO₂e)=Activity Data×Emission Factor×GWP



Activity Data Collection

Activity data from each emission source across all Talin facilities is collected systematically through internal reporting processes. Prior to calculation, all data undergoes validation to ensure accuracy and completeness. Any inconsistencies detected are addressed and resolved to uphold the integrity of the inventory.

Data Quality Hierarchy

Wherever possible, primary data is used as the basis for calculations. When primary data is unavailable, secondary data from reliable sources is applied, and in certain cases, conservative estimates are used to ensure coverage of all material emission sources. This approach is consistent with GHG Protocol principles, while balancing accuracy, completeness, and practicality in data collection.

06 Organisational and Operational Inventory Boundaries

Organisational Boundary

Talin's GHG inventory is prepared using the operational control approach as defined by the GHG Protocol. Under this approach, we account for 100% of the emissions from operations over which Talin exercises full operational control. For FY25, this includes our two manufacturing facilities located in Bangalore, Karnataka. There have been no changes to the organizational boundary from the previous reporting year.

Operational Boundary

The operational boundary defines the emission sources included within Scopes 1, 2, and 3:

- Scope 1 – Direct Emissions:
Includes, but is not limited to, fuel consumption from stationary and mobile

sources such as diesel used in generators, forklifts, and vehicles, as well as fuel for conveyors and powder coating ovens. Fugitive emissions from air conditioning and refrigeration systems are also included.

- Scope 2 – Indirect Emissions:
Covers emissions from the consumption of purchased electricity for all Talin facilities, calculated using both location-based and market-based methods in accordance with GHG Protocol guidance.



Operational Boundary (Scope 1 and 2) at Talin:

Talin Modular Office Furniture Systems Pvt. Ltd.		
Location	HBR	Malur
	I	I
	Diesel Generator	Diesel Generator
	Company Owned Vehicles (Diesel)	Powder Coating Oven
Scope 1	Company Owned Vehicles (Petrol)	Dryer
	Powder Coating Oven	Forklift
	Welding - CO ₂ Gas Cylinder	Conveyor
	A/C*	Welding - CO ₂ Gas Cylinder
	-	A/C*
	I	I
Scope 2	Electricity from Grid	Electricity from Grid

*Note: Fugitive emissions from air conditioning systems have been considered; however, they have not been included in the current year’s calculations as no refrigerant refill data was recorded during the reporting period.

Scope 3 – Other Indirect Emissions:

Covers upstream and downstream value chain activities relevant to the office furniture manufacturing sector, such as purchased raw materials, capital goods, fuel- and energy-related activities, upstream transportation, waste generated in operations, business travel, employee commuting, downstream transportation, and end-of-life treatment of sold products. The complete list of Scope 3 categories included is provided in the table below.

Sl. No.	Category	Relevancy	Calculation
1	Purchased Goods and Services	Relevant	Calculated
2	Capital Goods	Relevant	Calculated
3	Fuel & Energy Related Activities	Relevant	Calculated
4	Upstream Transportation and Distribution	Relevant	Calculated
5	Waste Generated in Operations	Relevant	Not Calculated
6	Business Travel	Relevant	Calculated
7	Employee Commuting	Relevant	Calculated
8	Upstream Leased Assets	Not Relevant	-
9	Downstream Transportation and Distribution	Relevant	Not Calculated
10	Processing of Sold Products	Not Relevant	-
11	Use of Sold Products	Relevant	Calculated
12	End-of-Life Treatment of Sold Products	Relevant	Calculated
13	Downstream Leased Assets	Not Relevant	-
14	Franchises	Not Relevant	-
15	Investments	Not Relevant	-

07 Consolidated Greenhouse Gas Emissions Summary

This section presents Talin's consolidated greenhouse gas (GHG) emissions from FY22 through FY25, covering Scope 1, Scope 2, and Scope 3 in accordance with the GHG Protocol. Showing multiple years side by side provides a clear picture of our emissions trend over time and supports transparent tracking of progress toward our climate targets.

Scope	Activity Data/Category	GHG Emissions (tCO ₂ e)			
		FY25	FY24	FY23	FY22
1	Direct Emissions	214.11	217.66	153.14	225.45
	Stationary Combustion	141.14	149.33	129.42	142.02
	Mobile Combustion	58.48	50.51	23.77	83.44
	Fugitive Emissions	14.49	17.82	0.00	0.00
2	Purchased Electricity (market-based)	0.00	0.00	611.17	443.87
	Purchased Electricity (location-Based)	835.32	680.91	611.17	443.87
Total (Scope 1+2 (market-based))		214.11	217.66	764.31	669.32
3	Category 1: Purchased Goods and Services	5,384.15	-	-	-
	Category 2: Capital Goods	185.94	268.86	-	-
	Category 3: Fuel & Energy Related Activities	207.59	177.88	-	-
	Category 4: Upstream Transportation and Distribution	65.67	83.01	-	-
	Category 5: Waste Generated in Operations	Data Unavailable	-	-	-
	Category 6: Business Travel	18.46	4.89	-	-
	Category 7: Employee Commuting	144.46	51.06	-	-
	Category 9: Downstream Transportation and Distribution	Data Unavailable	-	-	-
	Category 11: Use of Sold Products	40.65	5.76	-	-
	Category 12: End-of-Life Treatment of Sold Products	9.27	-	-	-
	Total (Scope 3)	6056.19	591.46	-	-
Total (Scope 1+2+3)		6270.30	809.12*	764.31*	669.32*

*Note: Comparability is limited due to the exclusion of scope 3 emissions

08 Scope 1 Emissions

Introduction

Scope 1 emissions represent direct greenhouse gas emissions from sources owned or controlled by Talin. For FY25, these emissions primarily originate from fuel combustion in manufacturing processes and company-operated equipment.

Potential Sources

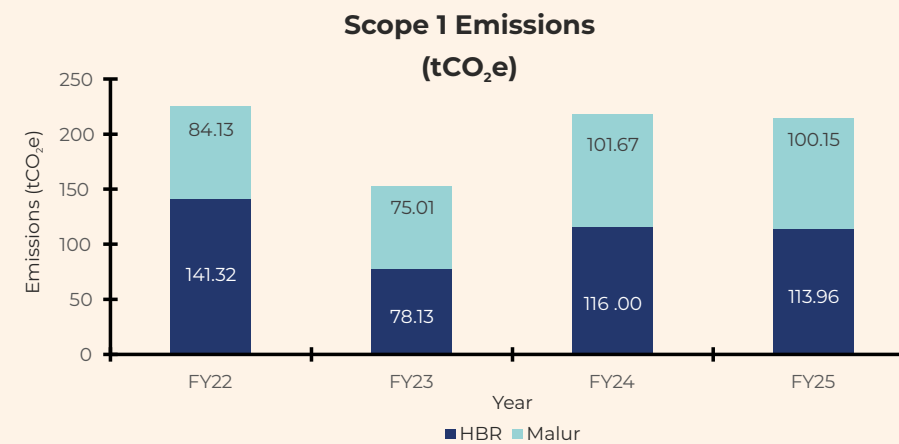
Key Scope 1 sources include, but are not limited to:

- Diesel used in generators, forklifts, and company vehicles
- Fuel used for conveyors and powder coating ovens
- Fugitive emissions from air conditioning and refrigeration systems (where applicable)

Reduction Initiatives

Talin is actively working to reduce Scope 1 emissions through operational improvements and equipment upgrades. Measures include streamlining production processes, introducing more energy-efficient machinery, and transitioning to electric-powered systems, such as the installation of an electric powder coating oven at our Malur facility, replacing the previous diesel-fired unit.

Year	Scope 1 Emission (tCO ₂ e)		
Location →	HBR	Malur	Total
FY25	113.96	100.15	214.11
FY24	116.00	101.67	217.67
FY23	78.13	75.01	153.14
FY22	141.32	84.13	225.45



-1.64%

Reduction in Scope 1 emissions over previous year FY24

09 Scope 2 Emissions

Introduction

Scope 2 emissions represent indirect greenhouse gas emissions from the consumption of purchased electricity across Talin’s operations. These emissions are a significant component of our footprint, accounting for over 75% of combined Scope 1 and Scope 2 emissions in FY25.

Renewable Energy Procurement

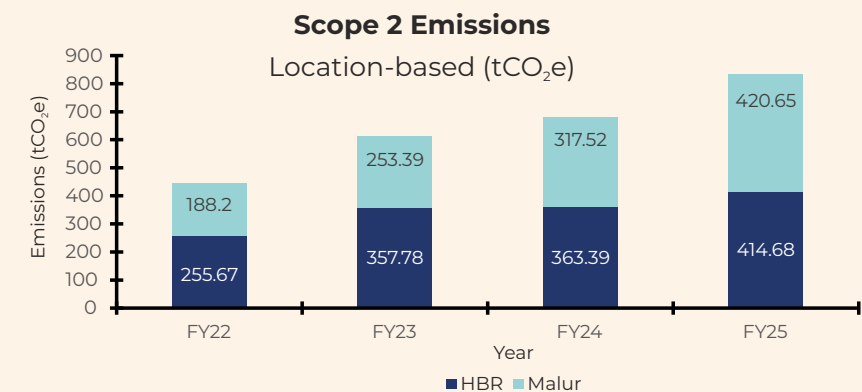
To address our electricity-related emissions, Talin purchased International Renewable Energy Certificates (I-RECs) in both FY24 and FY25, covering 100% of our purchased electricity. This action results in a market-based Scope 2 emission value of zero for both years.

Reduction Initiatives

Recognizing the significant share of Scope 2 emissions in our overall footprint, we are implementing on-site renewable energy solutions. Our upcoming Hoskote facility will be equipped with solar photovoltaic installations from inception, and similar systems will be deployed at our Malur facility in the short term. These investments will further reduce our reliance on grid electricity and support our transition to clean energy.

Year	Scope 2 Emission - Market-based (tCO ₂ e)		
Location→	HBR	Malur	Total
FY25	0.00	0.00	0.00
FY24	0.00	0.00	0.00
FY23	357.78	253.39	611.17
FY22	255.67	188.20	443.87

Year	Scope 2 Emission - Location-based (tCO ₂ e)		
Location→	HBR	Malur	Total
FY25	414.68	420.65	835.32
FY24	363.39	317.52	680.91
FY23	357.78	253.39	611.17
FY22	255.67	188.20	443.87



10 Scope 3 Emissions

Introduction

Scope 3 emissions encompass indirect greenhouse gas emissions occurring across Talin's value chain, both upstream and downstream. For FY25, this includes, but is not limited to, categories such as purchased goods and services, capital goods, upstream transportation, waste generated in operations, business travel, and employee commuting. FY25 has been designated as the base year for Scope 3 reporting, reflecting the expansion of category coverage and improved data availability compared to prior years.

Reduction Initiatives

Talin is committed to reducing value chain emissions through proactive supplier engagement, encouraging adoption of low-carbon materials and processes. In FY25, we introduced improved data collection templates for suppliers and internal teams, enhancing the quality and completeness of Scope 3 data. Future initiatives include deploying automated data management tools to streamline reporting, improve accuracy, and enable targeted reduction strategies.





Sl. No.	Category	FY25	FY24
1	Purchased Goods and Services	5,384.15	-
2	Capital Goods	185.94	268.86
3	Fuel & Energy Related Activities	207.59	177.88
4	Upstream Transportation and Distribution	65.67	83.01
5	Waste Generated in Operations	-	-
6	Business Travel	18.46	4.89
7	Employee Commuting	144.46	51.06
8	Upstream Leased Assets	-	-
9	Downstream Transportation and Distribution	-	-
10	Processing of Sold Products	-	-
11	Use of Sold Products	40.65	5.76
12	End-of-Life Treatment of Sold Products	9.27	-
13	Downstream Leased Assets	-	-
14	Franchises	-	-
15	Investments	-	-
Total Emissions (tCO ₂ e)		6,056.19	591.46*

**Note: Data comparability limited due to the exclusion of few scope 3 emissions categories.*

11 Data Quality, Uncertainties, and Limitations

In line with the GHG Protocol, Talin assesses data quality across all reported emission sources to ensure transparency, credibility, and completeness. While every effort is made to collect accurate and verifiable information, inherent uncertainties may arise from estimation methods, emission factors, and activity data availability. These uncertainties are identified, documented, and, where possible, mitigated through improved data collection processes, supplier engagement, and periodic methodological reviews.

Scope / Category	Key Uncertainties	Assumptions Applied	Opportunities for Enhancement
Scope 1 – Stationary / Mobile Combustion	Minor variations may occur between recorded purchase quantities and actual fuel usage.	Recorded purchase quantities considered representative of actual consumption.	Explore metering and automated tracking for further precision.
Scope 1 – Fugitive Emissions	Refrigerant refill activity not recorded for the current reporting period.	No emissions recorded for the current period.	Implement annual refrigerant usage logging process.
Scope 2 – Purchased Electricity	Grid emission factors may vary regionally from national averages.	CEA India baseline factors (Dec 2024) applied.	Validate periodically against latest regional grid data.
Scope 3 – Purchased Goods and Services	Data granularity varies across supplier categories.	Category-level emission factors applied based on available data.	Increase supplier-specific data collection to refine calculations.
Scope 3 – Capital Goods	Supplier-provided emissions data not consistently available.	Industry-average factors from USEEIO applied.	Encourage provision of life-cycle assessment data from key suppliers.
Scope 3 – Fuel & Energy Related Activities	Most recent national T&D loss data from FY22 used.	FY22 value applied as latest available figure.	Update with newer data when published.
Scope 3 – Upstream Transportation and Distribution	Spend-based estimates may not fully capture transport activity patterns.	Calculations aligned to applicable spend-based methodology.	Collect shipment-specific data from logistics partners.
Scope 3 – Waste Generated in Operations	Vendor-specific waste treatment details not fully available.	Calculations based on standard disposal profiles.	Work with waste vendors to obtain detailed treatment data.

Scope / Category	Key Uncertainties	Assumptions Applied	Opportunities for Enhancement
Scope 3 – Business Travel	International emission factors may differ slightly from local conditions.	DEFRA UK factors applied for consistency.	Source or develop India-specific factors where feasible.
Scope 3 – Employee Commuting	Based on representative employee survey samples.	Commuting activity extrapolated from survey results.	Expand to an annual organization-wide commuting survey.
Scope 3 – Downstream Transportation and Distribution	Detailed transport activity data from value chain partners not yet available.	Calculations based on applicable estimation methods.	Collaborate with suppliers to collect direct transport data.
Scope 3 – Use of Sold Products	Usage patterns vary depending on customer operations.	Industry-average usage hours applied.	Partner with customers to gather real usage-phase data.
Scope 3 – End-of-Life Treatment	End-of-life practices may differ by customer region and market.	Industry-average recycling and disposal rates applied.	Develop take-back and recycling programs for direct tracking.

12 Climate Strategy

Science-Based Targets

Talin has set a near-term target to reduce GHG emissions by 42% by 2030 over the FY22 baseline. This target has been validated by the Science Based Targets initiative (SBTi). Work is underway to set a net-zero target for 2040, also in alignment with SBTi. These goals position us in line with global climate objectives, ensuring that our decarbonisation pathway is both credible and impactful.

Energy and Efficiency

Energy efficiency is a continuous focus in our operations. Periodic energy audits guide us in identifying improvements, from optimizing production lines to upgrading to newer, more efficient machinery. We have also begun transitioning certain equipment from fossil fuels to electric alternatives, including the installation of a new electric powder coating oven at our Malur facility. These measures contribute to lower energy consumption and reduced Scope 1 emissions.

Renewable Transition

Talin's current renewable energy procurement is achieved through International Renewable Energy Certificates (I-RECs), covering 100% of

our purchased electricity in FY24 and FY25, resulting in a market-based Scope 2 footprint of zero. As part of our short-term plans, we will integrate on-site renewable energy at our upcoming Hoskote facility and expand solar capacity at our Malur site, strengthening our shift towards clean energy sources.

Value Chain Engagement

Reducing Scope 3 emissions requires close collaboration across our supply chain. Talin works with suppliers to encourage sustainable sourcing, improve emissions data accuracy, and adopt lower-carbon materials and manufacturing practices. Enhanced data collection templates and supplier engagement programs are being developed to progressively increase transparency and accountability across the value chain.

Circular Economy

As part of our climate strategy, Talin is advancing product design and material choices that support a circular economy. This includes promoting recyclability, durability, and modularity, thereby extending product life cycles and reducing overall material demand. Through innovation in design and responsible

sourcing, our goal is to minimize environmental impact while maintaining the quality and aesthetic standards our customers value.

Key Highlights

-  42% GHG reduction target by 2030 (SBTi validated)
-  Net-zero goal by 2040
-  47.52% reduction in emission intensity since FY22
-  B CDP score, up from D in two years
-  100% I-REC coverage for purchased electricity in FY24 & FY25
-  100% employee participation in Green Skilling Training
-  Renewable energy expansion planned for Hoskote and Malur facilities
-  Sustainability reporting aligned with GRI, GHG Protocol, and UN SDGs

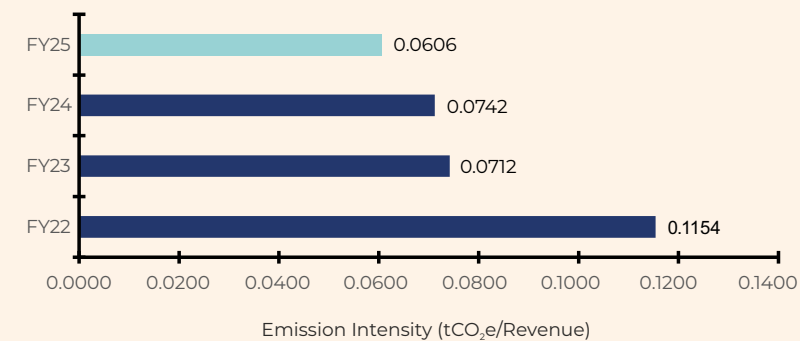
13 Performance Highlights

Emission Intensity

Emission intensity is a key metric Talin uses to track progress in reducing the carbon impact of our operations. It measures greenhouse gas emissions per unit of revenue, allowing us to account for both business growth and environmental performance. By monitoring this indicator, we ensure that our decarbonisation efforts translate into tangible, measurable efficiency gains over time.

Emission Intensity

Scope 1+2 (location-based)



14.95%

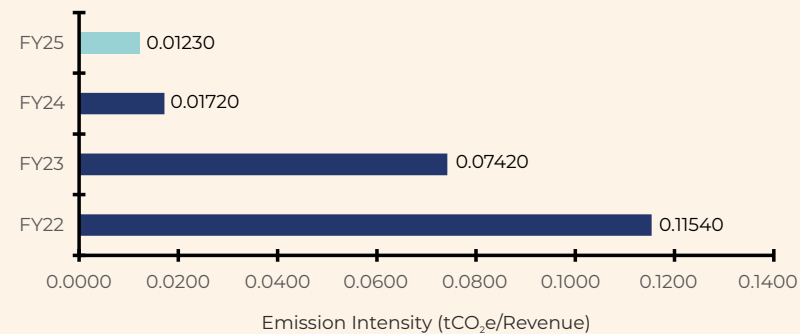
Reduction In Emission Intensity
Over Previous Year (FY24)

47.52%

Reduction In Emission Intensity
Over Baseline Year (FY22)

Emission Intensity

Scope 1+2 (market-based)



28.68%

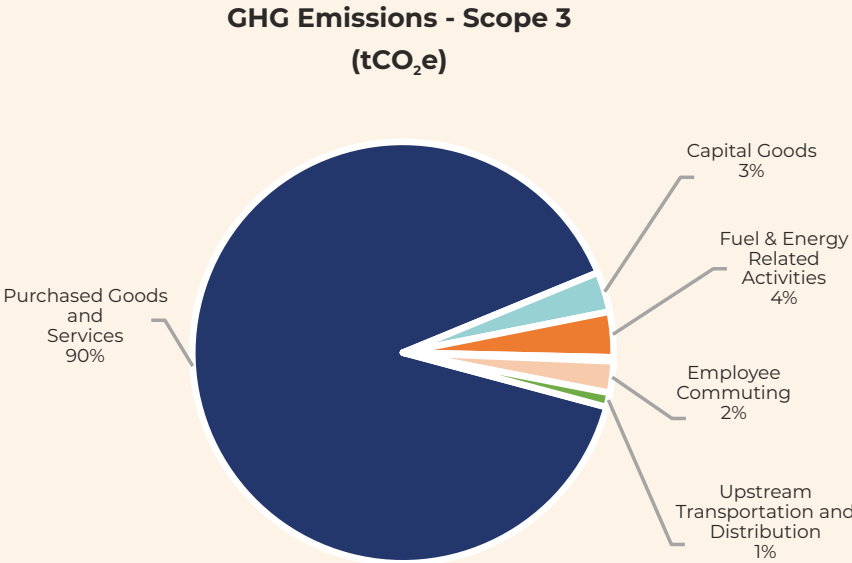
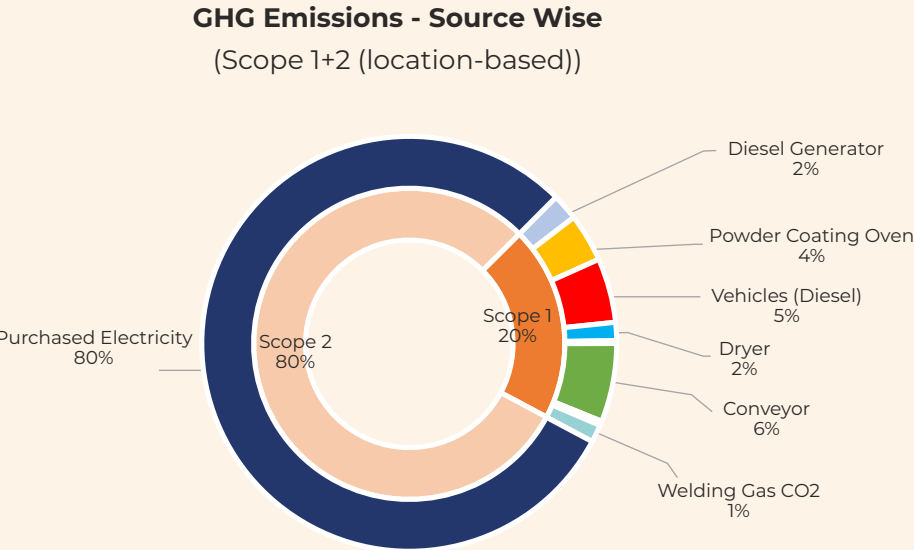
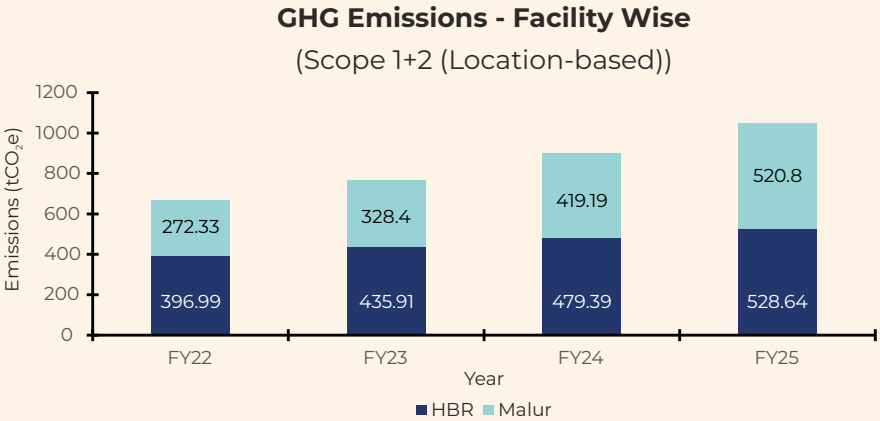
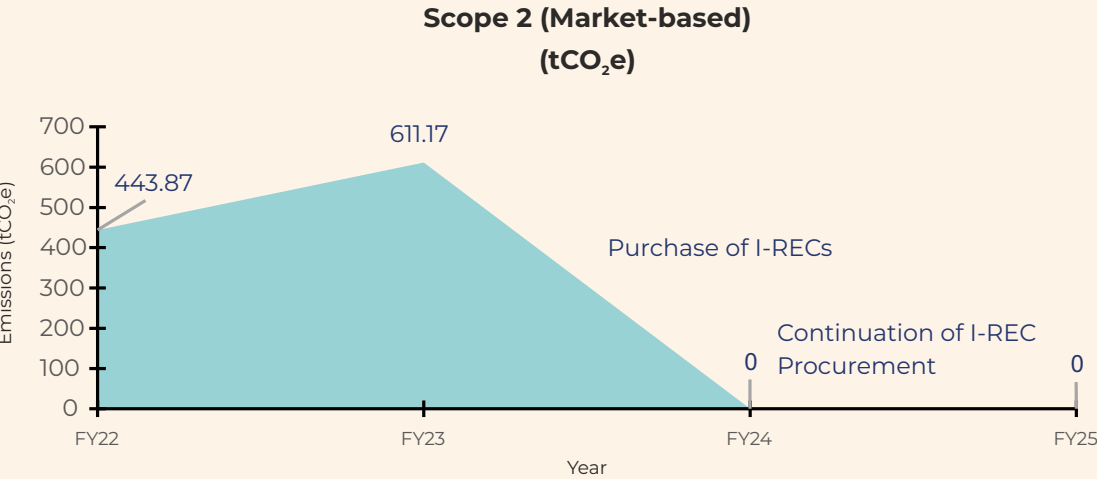
Reduction In Emission Intensity
Over Previous Year (FY24)

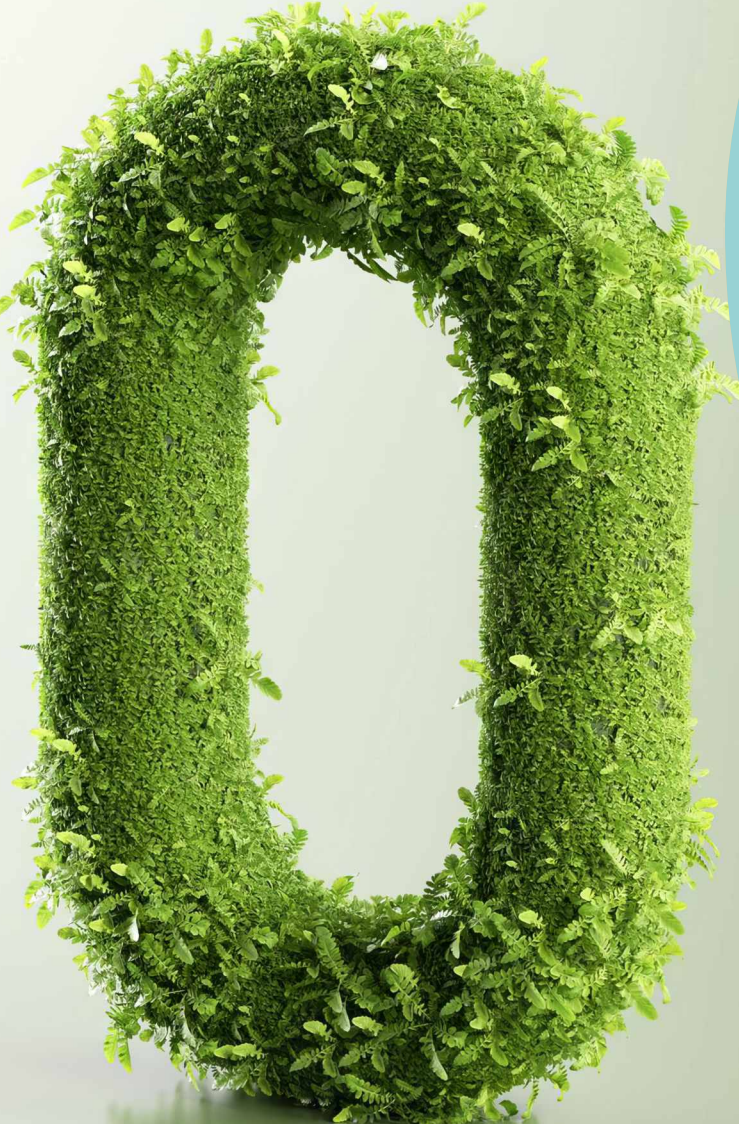
89.34%

Reduction In Emission Intensity
Over Baseline Year (FY22)

Scope 2 Carbon Neutral

Since FY24, Talin has maintained Scope 2 carbon neutrality through the purchase of International Renewable Energy Certificates (I-RECs) equivalent to 100% of our annual electricity consumption. This ensures that our market-based Scope 2 emissions remain at zero while we work toward on-site renewable energy generation in the near future.





14 Pathway to Net-Zero

Talin Modular Office Furniture Systems Pvt. Ltd. has set an ambition to achieve net-zero greenhouse gas emissions by 2040, building on our validated near-term target to reduce absolute emissions 42% by 2030 from our FY22 baseline. This pathway integrates operational efficiency, renewable energy adoption, supply chain engagement, and product innovation, ensuring we deliver measurable climate action while continuing to provide our customers with high-quality, sustainable solutions.

Transparent Tracking and Continuous Improvement

Progress toward our 2030 and 2040 goals will be reviewed annually and disclosed in accordance with the GHG Protocol and other leading sustainability frameworks. In FY26, Talin will develop and publish a detailed decarbonisation roadmap, which will serve as a strategic framework for all future climate action initiatives.

To strengthen our capabilities, we are exploring digitalisation of emissions accounting and reporting to enable seamless data management, deeper analytical insights, and more informed decision-making.

Sustainable Operations and Products

Beyond operations, we are committed to achieving LEED-certified green buildings that demonstrate our dedication to energy efficiency, healthy indoor environments, and sustainable operations practices. At the product level, we will conduct Life Cycle Assessments (LCAs) to identify major sources of embodied carbon and develop lower-carbon product offering, further supporting our customers' sustainability goals.

Through these actions, Talin is building a credible and transparent pathway to net-zero, one that combines near-term measurable progress with long-term transformation, ensuring we remain aligned with both global climate ambitions and the expectations of our stakeholders.





Talin Modular Office Furniture Systems Pvt. Ltd.

www.talin.co.in

