

# SCIENCE-BASED TARGETS REPORT 2025

AAN CLOTHINGS LLP  
PLOT NO. 9, SECTOR 34,  
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# INTRODUCTION

This report presents the Science-Based Targets initiative (SBTi) alignment for AAN Clothings LLP, analyzing greenhouse gas (GHG) emissions for 2024 and 2025, with 2024 as the base year. It includes short-term and long-term strategies to reduce Scope 1, 2, and 3 emissions, aiming for a low-carbon transition in line with the GHG Protocol and CDP reporting standards.

# Alignment with the 1.5°C Pathway



The 1.5°C pathway refers to the global goal of limiting temperature rise to 1.5°C above pre-industrial levels, as outlined in the Paris Agreement.



The Science-Based Targets initiative (SBTi) encourages companies to set targets in line with this trajectory, ensuring that their emissions reductions contribute to global climate action.



The SBTi continues to play a pivotal role in guiding corporate climate action, providing a framework for companies to align their strategies with the goals of the Paris Agreement.

# How Companies Align with the 1.5°C Pathway in SBTi Reporting

Setting Near-Term Science-Based Targets (SBTs)

Reduce absolute Scope 1 & 2 emissions by at least 42% by 2030.

Address Scope 3 emissions if they make up >40% of total emissions.

Setting Long-Term Net-Zero Targets

Choosing Approved Decarbonization Pathways

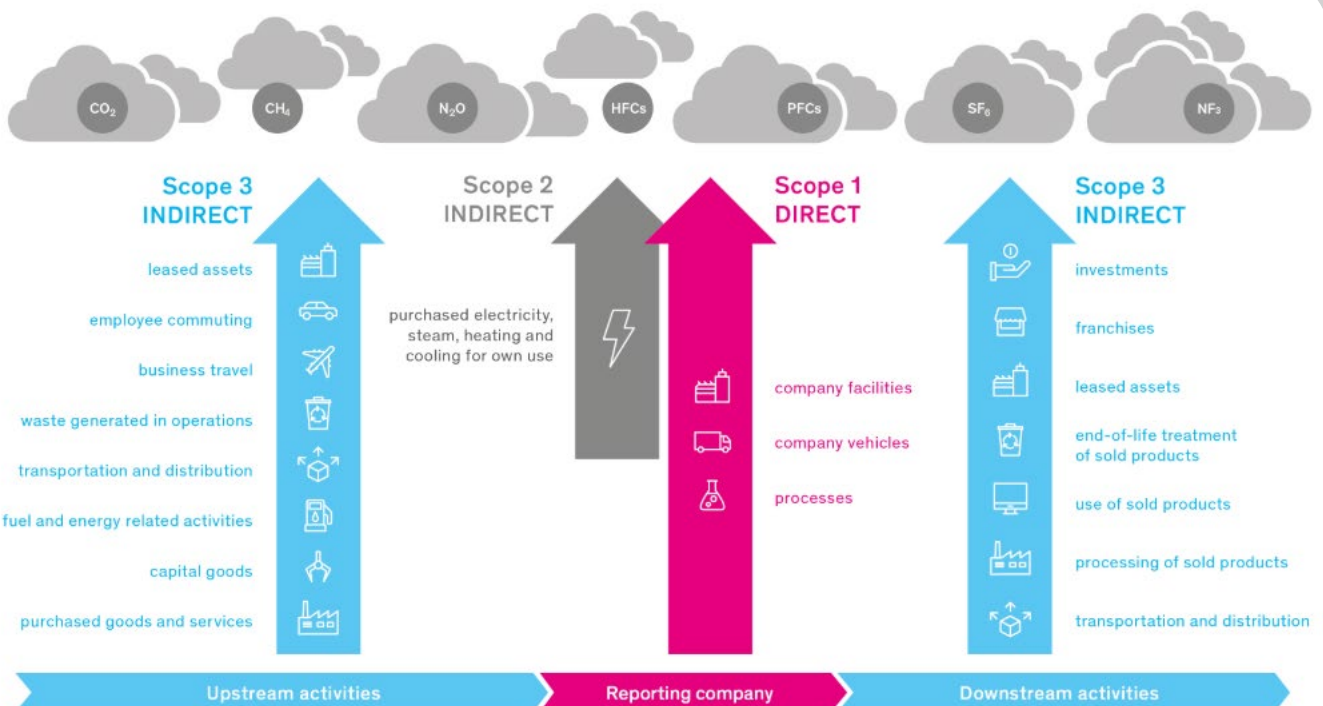
Transition to 100% Renewable Energy

Implement Carbon Reduction Strategies

Tracking & Reporting Progress

SBTi engagement triples since 2023—over 12,800 companies now committed to science-based climate action.

Companies adopting science-based targets have demonstrated substantial progress in reducing greenhouse gas emissions.





# **GHG EMISSION INVENTORY 2024 & 2025**

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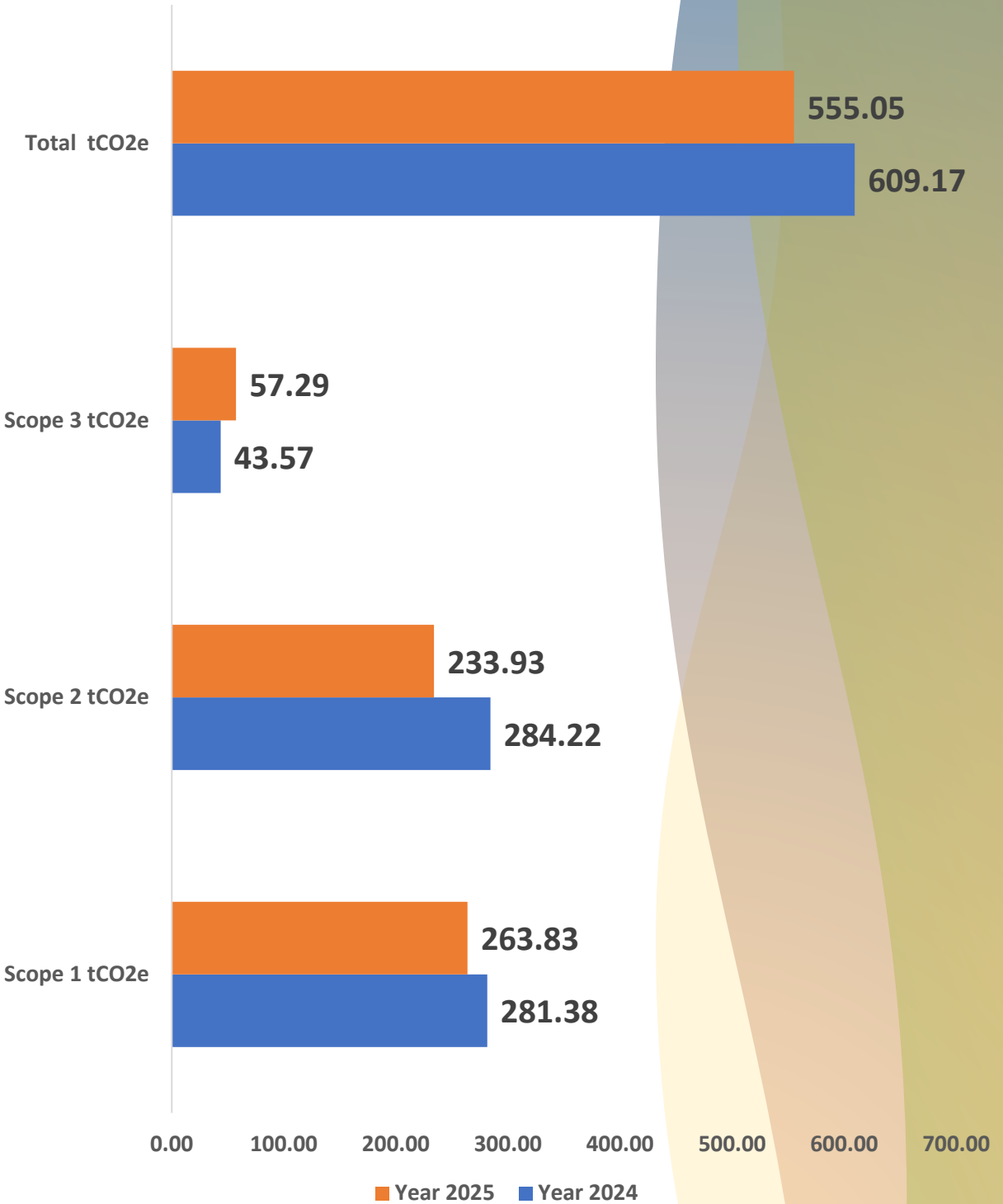
# GHG EMISSION INVENTORY 2024 & 2025

<b>Absolute</b>	<b>Scope 1 tCO2e</b>	<b>Scope 2 tCO2e</b>	<b>Scope 3 tCO2e</b>	<b>Total tCO2e</b>
<b>Year 2024</b>	281.38	284.22	43.57	609.17
<b>Year 2025</b>	263.83	233.93	57.29	555.05

<b>Normalised</b>	<b>Scope 1 tCO2e Per Pc</b>	<b>Scope 2 tCO2e Per Pc</b>	<b>Scope 3 tCO2e Per Pc</b>	<b>Total tCO2e Per Pc</b>
<b>Year 2024</b>	0.0006	0.0006	0.0001	0.0014
<b>Year 2025</b>	0.0007	0.0006	0.0001	0.0014

*Data Verified by: Mr. Rajiv Chaturvedi  
Reporting and Accounting: Green Compliance Services*

# GHG emission inventory - ABSOLUTE





# What are Science- based Target Commitments

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Science-based targets (SBTs) are greenhouse gas (GHG) reduction goals set by companies in line with the latest climate science to limit global warming to well below 2°C, preferably 1.5°C, as per the Paris agreement. These targets must be validated by the science-based targets initiative (SBTi).



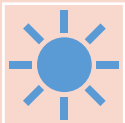
5 to 10-year emission reduction goals



Complete Scope coverage –  
Scope 1, 2 and 3



Enhancement of energy efficiency



Adoption of renewable energy



Aim for at least 90-95% absolute emissions reduction by 2050

# SHORT-TERM GOALS

2026  
-  
2029

## **Energy Efficiency & Electrification:**

- Upgrade to high-efficiency machinery and predictive maintenance to reduce energy waste.
- Implement LED lighting and motion sensors.
- Replace diesel-powered equipment with electric alternatives.

## **Renewable Energy Integration:**

- Procure renewable electricity via Power Purchase Agreements (PPAs).

# LONG-TERM GOALS

2027  
-  
2040

## **100% Renewable Energy Transition:**

- Phase out fossil fuel energy and fully transition to renewable electricity.
- Explore biomass or hydrogen energy sources.

## **Carbon Neutrality:**

- Implement carbon offset programs.
- Invest in carbon capture technology.

## **Water Efficiency Measures:**

- Install water recycling and rainwater harvesting systems.
- Reduce water usage per unit washed through process optimization.

## **Employee Commute Reduction:**

- Implement carpooling programs and incentivize public transportation.

# SUMMARY

AAN Clothings LLP conducted a greenhouse gas (GHG) inventory for the reporting year 2025 in accordance with the **GHG Protocol**, covering **Scope 1, Scope 2, and relevant Scope 3 emissions**. The total reported emissions amounted to **555.05 tCO<sub>2</sub>e**.

**Scope 1 emissions**, representing direct emissions from fuel consumption and owned operations, accounted for **263.83 tCO<sub>2</sub>e**. **Scope 2 emissions**, associated with purchased electricity consumption, totaled **233.93 tCO<sub>2</sub>e**. **Scope 3 emissions** share at **57.29 tCO<sub>2</sub>e**, primarily driven by value chain activities such as transportation and logistics.

The results indicate that **Scope 1 emissions represent the largest portion of carbon footprint**.

AAN Clothings LLP remains committed to implementing **energy efficiency measures, increasing renewable energy adoption, and collaborating with value chain partners** to reduce emissions in alignment with the **Science Based Targets initiative (SBTi)**.



# Emission reduction strategies

# Short-term goals (2026-2029)

Goals	KPI	2029 Target (from 2025 Baseline)
Improve fuel efficiency and shift to cleaner fuels (e.g., electrification/CNG optimization)	Scope 1 Emissions (263.83 tCO <sub>2</sub> e)	Reduce Scope 1 emissions by 10% (to ~237.4 tCO <sub>2</sub> e)
Increase renewable electricity sourcing (solar/PPA/green tariff)	Scope 2 Emissions (233.93 tCO <sub>2</sub> e)	Reduce Scope 2 emissions by 20% (to ~187.1 tCO <sub>2</sub> e)
Enhance logistics efficiency and promote low-carbon commuting	Scope 3 Emissions (57.29 tCO <sub>2</sub> e)	Limit growth and achieve <b>10% reduction</b> (to ~51.6 tCO <sub>2</sub> e)

# Near-Term Science-Based Target (2026–2029)

AAN Clothings LLP has established short-term emission reduction goals for the period 2026–2029, using 2025 as the baseline year, in alignment with the Science Based Targets initiative (SBTi) and global climate action goals. The company aims to reduce greenhouse gas emissions through targeted improvements in energy efficiency, optimized fuel consumption, and more sustainable logistics operations.

These initiatives focus on lowering electricity and fuel intensity across operations while improving transportation efficiency within the value chain. Through the implementation of these measures, AAN Clothings LLP seeks to achieve measurable reductions in Scope 1, Scope 2, and relevant Scope 3 emissions, supporting its transition toward a more energy-efficient and low-carbon business model.

# LONG-term goals (2027 – 2040)

Goals	KPI	2040 Target (from 2025 Baseline)
Transition to low/zero-carbon fuels and electrify operations wherever feasible	Scope 1 Emissions (263.83 tCO <sub>2</sub> e)	Reduce Scope 1 emissions by <b>60%</b> (to ~105.5 tCO <sub>2</sub> e)
Achieve high renewable electricity share through on-site solar and green power procurement	Scope 2 Emissions (233.93 tCO <sub>2</sub> e)	Reduce Scope 2 emissions by <b>90%</b> (to ~23.4 tCO <sub>2</sub> e)
Decarbonize logistics and commuting through modal shift and efficiency improvements	Scope 3 Emissions (57.29 tCO <sub>2</sub> e)	Reduce Scope 3 emissions by <b>50%</b> (~28.6 tCO <sub>2</sub> e)

# Long-Term Science-Based Target (2027–2040)

AAN Clothings LLP is committed to achieving substantial greenhouse gas (GHG) emission reductions over the long term, in alignment with the Science Based Targets initiative (SBTi) and global climate goals to limit temperature rise to 1.5°C. Using 2025 as the baseline year, the company has established long-term targets for the period 2027–2040 focused on transitioning to renewable energy, improving operational efficiency, and reducing value chain emissions.

These long-term strategies include increasing the adoption of renewable energy sources, reducing Scope 1 and Scope 2 emission intensity through energy and fuel efficiency improvements, and collaborating with logistics partners to reduce Scope 3 emissions associated with transportation and supply chain activities. Through these initiatives, AAN Clothings LLP aims to significantly lower its carbon footprint and contribute to a low-carbon and climate-resilient future.

# CONCLUSION

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- By implementing these strategies, AAN Clothings LLP aims to significantly reduce its emissions and align with SBTi targets.
- Continuous monitoring and periodic reassessment will ensure progress toward a low-carbon future.
- By following these strategies, the company aims to align with SBTi's 1.5°C pathway, reducing its climate impact and ensuring sustainable business growth.

# END OF REPORT

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