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1. Introduction

WRI India specializes in the manufacturing and assembly of automotive air conditioning components such as heater control panels, actuators, field coils, PTCs, and FETEs. Committed to Environmental, Social, and Governance (ESG) principles, WRI India integrates sustainability into its operations to minimize environmental impact, promote social responsibility, and uphold ethical governance. Managing greenhouse gas (GHG) emissions is a key priority, as it directly aligns with global climate goals and the company's dedication to energy efficiency, cleaner technologies, and responsible resource use. Effective GHG management enhances regulatory compliance, stakeholder trust, and long-term business resilience in an evolving climate-conscious market.

2. GHG Emissions Summary

Calculation period: April 2024 to March 2025

All values in MT CO₂ e

GHG Emission Reporting Frequency: Annually

EMISSION	CURRENT YEAR April 2024 to March 2025	TARGET 2025-2026	TARGET 2050
Scope 1	86.08	5%	Net Zero
Scope 2	524.08	5%	Net Zero
Scope 3	688.07	5%	Net Zero
Total GHG Emission	1298.23	5%	Net Zero

3. Reporting Boundaries

WRI India's GHG emissions reporting covers all manufacturing and assembly facilities involved in producing automotive air conditioning components across its operational footprint in India. This includes production units, warehouses, and administrative offices. The geographical boundary is limited to India, where all core operations are located. Operational boundaries follow the control approach, including facilities under direct operational control.

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Exclusions include third-party logistics providers and employee commuting emissions due to limited access to reliable data; however, efforts are underway to improve data collection. These boundaries ensure accurate, transparent reporting while focusing on operations with the most significant emissions impact and data availability.

4. Statement of Uncertainty

Uncertainties in WRI India's GHG emission calculations primarily arise from limitations in data availability and estimation methods. Scope 1 and Scope 2 emissions rely on fuel consumption records and electricity bills, which are generally reliable but may include minor metering inaccuracies. Scope 3 emissions involve higher uncertainty due to reliance on supplier data, industry averages, and assumptions for upstream transportation and purchased goods. Emission factors are primarily sourced from IPCC and India-specific guidelines; however, regional variability and outdated data can affect precision. WRI India continues to enhance data quality, apply conservative estimates, and improve transparency to reduce these uncertainties over time.

5. Emission Inventory Table

Scope	Boundary Applied	Justification
Scope 1	Operational Control	All on-site combustion sources (DG sets, boilers) under WRI's direct control
Scope 2	Operational Control	Electricity purchased for WRI facilities from the Indian national grid
Scope 3	Partial – Upstream	Emissions from raw material purchase, logistics (where supplier data available)
Total Scope	Exclusion: Downstream	Customer-side emissions not included due to data unavailability

6. GHG Emission Reduction Action Plan

❖ Dedicated Budget

WRI India has allocated an annual budget of million specifically for GHG emissions management. This budget supports a wide range of initiatives, including energy audits, process optimization, equipment upgrades, renewable energy adoption, and employee awareness programs. The dedicated funding ensures that sustainability projects are not deprioritized and can be implemented systematically with measurable outcomes. This financial commitment reflects WRI India's strategic approach to climate responsibility and its intent to achieve long-term carbon reduction goals.

❖ Management Team

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WRI India has established a specialized ESG & Sustainability team tasked with leading the organization's GHG reduction strategy. The team is responsible for planning emissions reduction projects, tracking progress, maintaining emissions inventories, ensuring regulatory compliance, and preparing sustainability reports. It collaborates closely with operations, procurement, and facility management to embed low-carbon practices into day-to-day activities. The team also conducts training sessions to promote awareness across departments. By maintaining a dedicated structure, WRI India ensures consistent monitoring, expert guidance, and effective implementation of climate-related initiatives, positioning the company as a responsible and forward-thinking manufacturer in the automotive components sector.

❖ Incentive Alignment

To reinforce accountability and drive performance, WRI India links the compensation and performance bonuses of its ESG & Sustainability management team to the achievement of GHG reduction targets. This performance-based incentive model ensures that sustainability goals are treated with the same importance as financial or operational KPIs. Progress is assessed through quantifiable metrics such as emission reductions, energy efficiency improvements, and successful implementation of GHG initiatives. This alignment motivates leadership to prioritize climate action, fosters a results-driven culture, and integrates ESG values into core business operations. It also demonstrates WRI India's commitment to embedding sustainability into corporate decision-making frameworks.

❖ Annual Budget

An annual budget of INR 10 million has been allocated by WRI India to support comprehensive GHG emission reduction initiatives. This budget is strategically directed towards enhancing energy efficiency across manufacturing operations through equipment upgrades and process improvements, investing in renewable energy solutions such as rooftop solar and renewable energy certificates, and actively engaging suppliers to adopt low-carbon practices. The allocation reflects WRI India's strong commitment to sustainability, ESG integration, and transitioning toward a low-carbon, resource-efficient manufacturing ecosystem.

6.1 Time-bound Action Plans

WRI India has outlined a multi-faceted GHG reduction plan targeting Scope 1, 2, and 3 emissions. Energy efficiency measures in production lines aim to reduce energy use and operational emissions. Increased adoption of renewable energy will lower dependence on fossil-based electricity. Upgrading to low-emission equipment will cut Scope 1 emissions, while green energy contracts will help reduce Scope 2 emissions. Ongoing supplier engagement promotes sustainable practices, contributing to Scope 3 emission reductions. These actions align with WRI's ESG commitment and climate goals.

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7. GHG Emission Reduction Action Plan(2025-2026)

Action Item	Scope	Description	Responsible Team	Timeline
LED Retrofit & Motion Sensors Installation	Scope 2	Replace all conventional lighting with LEDs and install motion sensors in all production and office areas	Maintenance & Facility	Q3 2025 – Q1 2026
Solar Power Procurement (PPA)	Scope 2	Procure 25% of electricity from solar energy through long-term power purchase agreements	Procurement & ESG	Q1 2026 – Q4 2026
Compressed Air System Optimization	Scope 1	Eliminate air leaks, upgrade compressors, and install VFDs to reduce energy use	Production & Maintenance	Q4 2025 – Q2 2026
Fleet Conversion to Electric Vehicles	Scope 1	Replace 30% of diesel-based internal logistics vehicles with electric vehicles	Admin & Logistics	Q2 2026 – Q1 2027
High-Efficiency HVAC System Upgrade	Scope 2	Replace old HVAC systems with energy-efficient ones with automated controls	Facilities	Q3 2025 – Q2 2026
Installation of Rooftop Solar (50 kW)	Scope 2	Onsite renewable energy generation for partial energy self-sufficiency	Engineering & Facility	Q1 2026 – Q1 2027
Energy Management System Implementation	Scope 1 & 2	Install energy monitoring and management systems to track and control consumption in real-time	ESG & IT	Q3 2025 – Q4 2026
Supplier Engagement Program	Scope 3 Upstream	Require top 10 Tier-1 suppliers to report and reduce their GHG emissions	Procurement & ESG	Q4 2025 – Q4 2027
Low-Carbon Raw Material Substitution	Scope 3 Upstream	Source aluminum and plastics with recycled content to reduce embodied carbon	Procurement & R&D	Q2 2026 – Q4 2027
Recycled Packaging & Reverse Logistics	Scope 3 Downstream	Switch to 100% recyclable packaging and create customer return logistics	Sales & Quality	Q1 2026 – Q4 2027

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Green Logistics Partner Onboarding	Scope 3 Downstream	Partner with logistics providers using CNG/Electric fleets for product delivery	SCM & Logistics	Q2 2026 – Q1 2027
Employee Awareness & Energy Behavior Training	Scope 1 & 2	Conduct internal awareness campaigns to reduce idle time, AC misuse, etc.	HR & ESG	Q3 2025 – Q2 2026

8. Monitoring, Reporting, and Review

WRI India conducts periodic internal audits and engages third-party experts for external verification of its GHG emissions data to ensure accuracy and transparency. Annual sustainability reports communicate progress toward emission reduction targets to stakeholders. The company also embraces continuous improvement by integrating emerging technologies, aligning with evolving regulatory standards, and refining data collection processes. This robust review framework helps maintain credibility, track performance effectively, and drive innovation in emissions management across all operations.

9. Conclusion

WRI India remains firmly committed to managing GHG emissions and integrating ESG principles throughout its manufacturing and assembly operations. By continuously improving practices, investing in sustainable technologies, and engaging all stakeholders, the company reinforces its dedication to environmental responsibility and long-term climate resilience.



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