



Madras Fluorine Pvt. Ltd.

No. 266, Express Highway, Manali, Chennai-600068, Tamil Nadu, India.

GHG EMISSION REPORT

Form No

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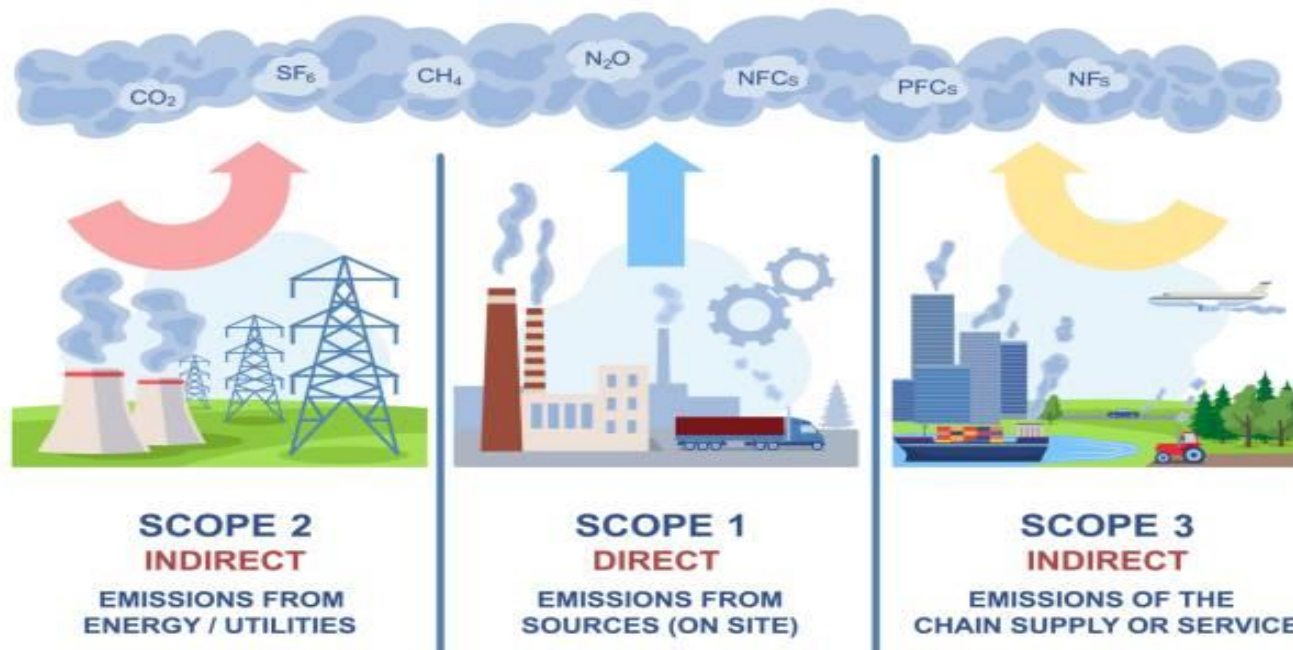
1. Introduction

At MFPL, a premier manufacturer and supplier of inorganic fluorine and boron chemicals, we are dedicated to integrating Environmental, Social, and Governance (ESG) principles into our operations. Sustainability is at the core of our business, and we proactively measure, manage, and report our Greenhouse Gas (GHG) emissions to mitigate our environmental impact. Our GHG emissions assessment encompasses both upstream and downstream activities, reflecting our commitment to transparency and accountability throughout our value chain. Upstream activities include emissions from raw material extraction, transportation, and supplier operations, while downstream emissions are linked to product distribution, usage, and end-of-life disposal. This comprehensive approach enables us to track and address emissions at every stage, fostering continual improvement in reducing our carbon footprint. By regularly reporting these insights, we demonstrate our alignment with global sustainability goals and our pledge to contribute to a greener future.

Methodology

At MFPL, a leading manufacturer and supplier of inorganic fluorine and boron chemicals, sustainability is the foundation of our operations. Guided by Environmental, Social, and Governance (ESG) principles, we actively measure, manage, and report Greenhouse Gas (GHG) emissions to minimize our environmental impact. Our GHG emissions assessment covers the entire value chain, including upstream and downstream activities, ensuring transparency and accountability at every step. Upstream emissions arise from raw material extraction, transportation, and supplier operations, while downstream emissions relate to product distribution, usage, and end-of-life disposal.

SCOPES OF EMISSIONS



2. GHG EMISSIONS

Scope 1

MFPL's Scope 1 emissions primarily arise from two key sources: on-site fuel combustion and company-owned vehicles. On-site fuel combustion includes emissions generated during the operation of boilers, furnaces, and other manufacturing equipment essential for production processes. These activities are critical to maintaining operational efficiency but contribute directly to our GHG footprint. Additionally, company-owned vehicles used for transportation and logistics emit greenhouse gases as part of daily business operations. Together, these sources represent a significant portion of direct emissions, emphasizing the need for targeted measures to optimize fuel use and transition to cleaner alternatives.

Scope 2

Emissions from purchased electricity for manufacturing processes represent a significant part of MFPL's Scope 2 emissions. As a manufacturer and supplier of inorganic fluorine and boron chemicals, electricity is essential to power our machinery, equipment, and facilities, contributing to our production capacity and operational efficiency. However, the generation of electricity typically involves the combustion of fossil fuels, which releases carbon dioxide and other greenhouse gases into the atmosphere.

Scope 3

Indirect emissions from the generation of purchased electricity consumed by MFPL fall under Scope 2 emissions, reflecting the greenhouse gases released during the production of electricity that we use to power our operations. To minimize our carbon footprint, we are focused on reducing our electricity consumption and transitioning to cleaner energy sources. This includes investing in energy-efficient technologies, implementing smart energy management systems, and exploring renewable energy solutions, such as solar panels or wind power.

3. EMISSION SUMMARY

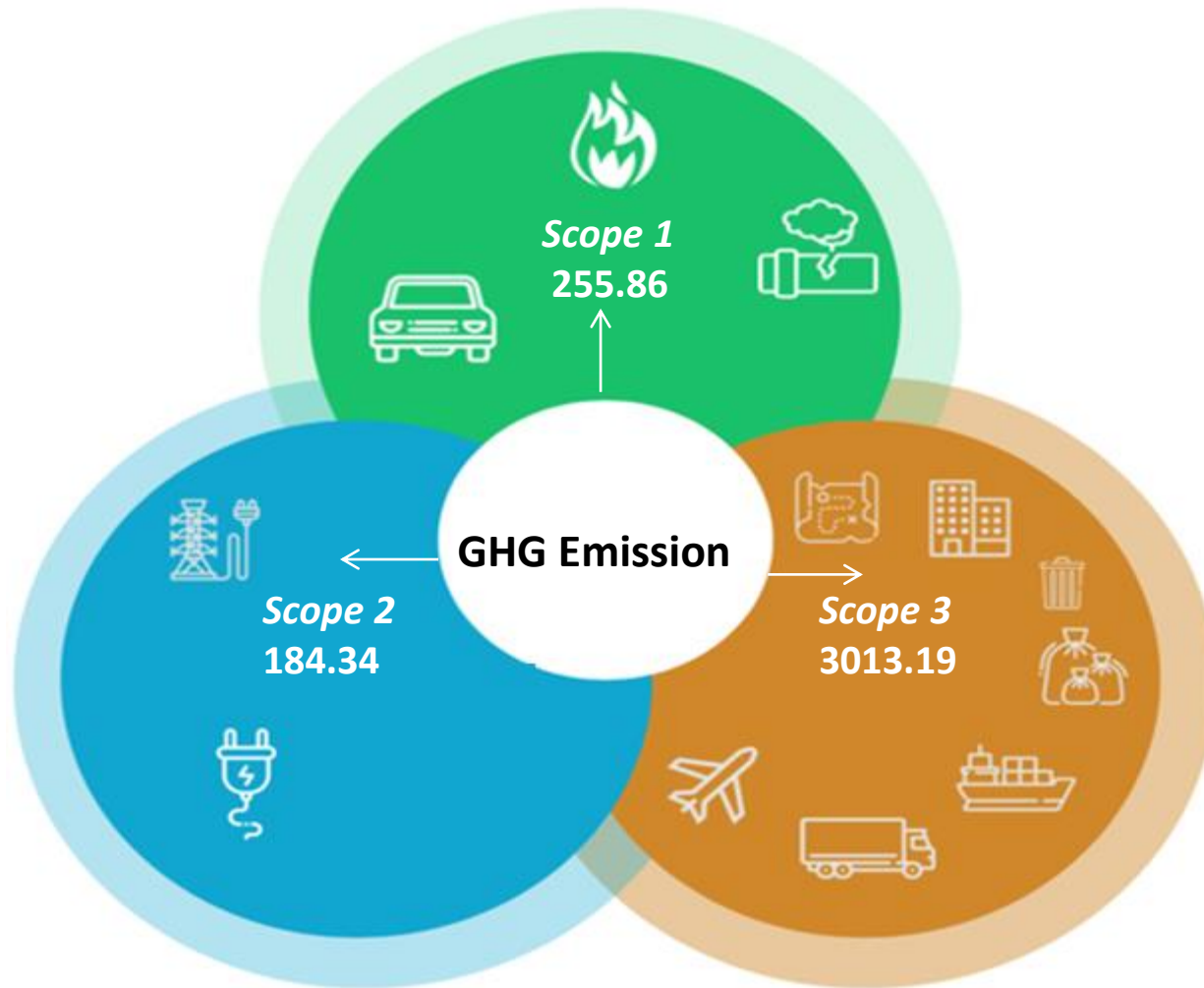
Locations covered

Madras Fluorine Pvt Ltd

No. 266, Express Highway, Manali, Chennai-600068, Tamil Nadu, India.

GHG Emission Reporting Frequency: Annually
Calculation period: January 2024 to December 2025
All values in MT CO₂ e

EMISSION TYPE	BASELINE 2023-2024 (TONNES CO ₂ e)	CURRENT YEAR 2023-2024 (TONNES CO ₂ e)	TARGET 2024 -25	TARGET 2030
Scope 1	255.86	255.86	5%	Net Zero
Scope 2	184.34	184.34	5%	Net Zero
Scope 3 Downstream	18.25	18.25	5%	Net Zero
Scope 3 Upstream	2994.94	2994.94	5%	Net Zero
Scope 3	3013.19	3013.19	5%	Net Zero
Total	3453.39	3453.39	5%	Net Zero



4. GHG Emission Reduction Plan



➤ **Dedicated Budget for GHG Management:**

MFPL has allocated an annual budget of GHG emission management initiatives, demonstrating our commitment to environmental stewardship and sustainability. This investment is focused on several strategic areas aimed at reducing our carbon footprint and aligning with our ESG goals. A portion of the budget is dedicated to renewable energy projects, such as the installation of solar panels and partnerships with clean energy providers, to decrease reliance on non-renewable power sources and lower Scope 2 emissions. We are also investing in energy-efficient technologies to optimize our manufacturing processes, reduce energy consumption, and improve overall operational efficiency. Additionally, part of the budget is earmarked for carbon offsets, enabling us to mitigate emissions that cannot be eliminated entirely through direct measures.

➤ **Management Team Dedicated to GHG Emissions Reduction:**

MFPL has established a cross-functional sustainability team led by the Chief Sustainability Officer (CSO) to spearhead its GHG reduction and sustainability initiatives. This dedicated team comprises experts from various domains, including production, energy management, and environmental compliance, ensuring a holistic approach to addressing environmental challenges. By leveraging diverse expertise, the team drives strategic planning, implementation, and monitoring of sustainability projects. The CSO provides leadership and aligns the team's efforts with organizational goals, ensuring accountability and progress. This structure enables MFPL to effectively integrate ESG principles and achieve measurable results in reducing its environmental footprint.

➤ **Management Team's Compensation Linked to GHG Reduction Targets:**

MFPL has implemented performance metrics tied to achieving annual GHG reduction milestones to encourage accountability and focus on sustainability goals. These metrics are integrated into the evaluation criteria for relevant team members, ensuring that progress in reducing emissions is prioritized across the organization. To further incentivize success, the company has introduced a bonus structure with a 20% weight assigned to meeting GHG targets, aligning employee rewards with environmental performance.



Time-bound Action Plan

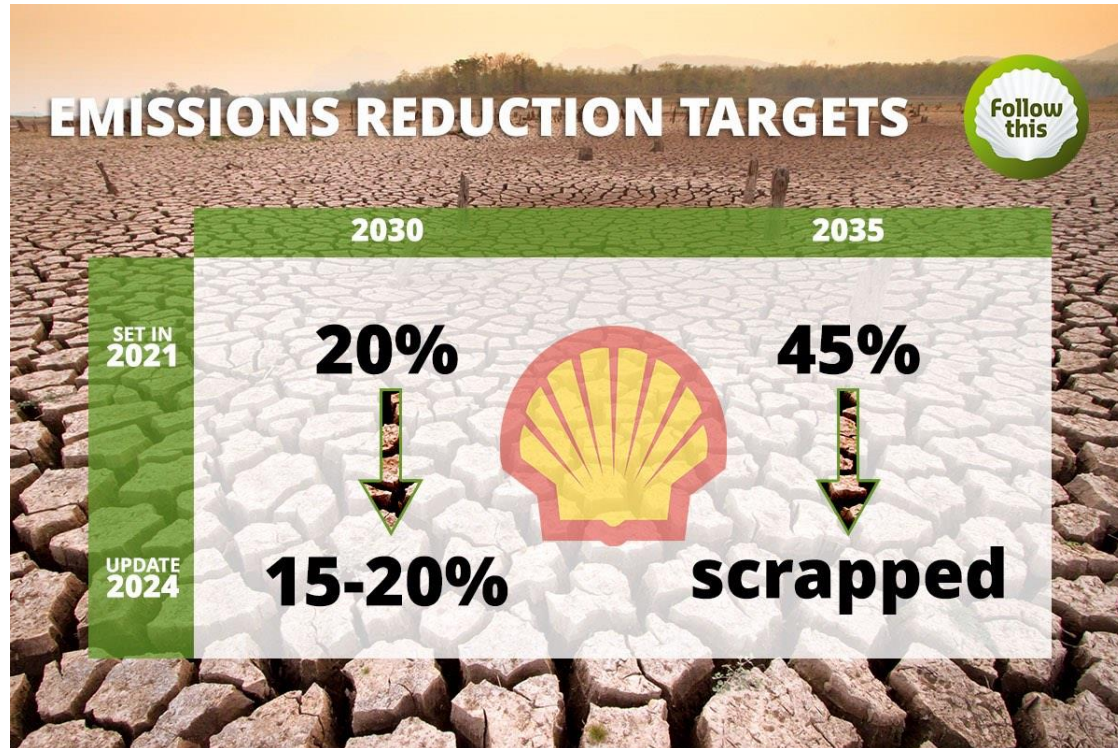
Reduce Energy Consumption

MFPL is committed to reducing Scope 2 emissions by transitioning to renewable energy sources such as solar, wind, and biomass to meet power needs. This shift will significantly lower our carbon footprint and support our sustainability goals. We plan to establish power purchase agreements (PPAs) with renewable energy providers, ensuring a consistent supply of clean energy and reducing dependence on non-renewable sources. These agreements will not only bolster our commitment to environmental stewardship but also align with industry best practices for sustainable energy use. By investing in renewable energy solutions, MFPL aims to contribute to a greener, low-carbon future.

Increase Use of Renewable Energy

MFPL is dedicated to reducing Scope 2 emissions by transitioning to renewable energy sources such as solar, wind, and biomass for its power requirements. This strategic move will lower our carbon footprint, enhance sustainability, and align with our environmental goals. To strengthen this commitment, we will establish power purchase agreements (PPAs) with renewable energy providers, ensuring a consistent and reliable supply of clean energy.

Reduction Targets for GHG Emissions:



Conclusion

MFPL has made significant and measurable progress in reducing greenhouse gas emissions in alignment with its 2030 targets and ESG commitments. Through the implementation of well-defined action plans, allocation of dedicated resources, and establishment of strong governance structures, the company has built a solid foundation for sustained environmental performance. Continuous monitoring, periodic reviews, and adaptive management strategies will enable MFPL to respond effectively to challenges and opportunities, ensuring it remains on track. Looking ahead, MFPL is committed to further enhancing its sustainability initiatives, accelerating its transition to renewable energy, and reinforcing its role as a responsible and forward-thinking industry leader.

A handwritten signature in blue ink, appearing to read "L.K. Dharani Priya".

Prepared by : L.K. Dharani Priya
Designation : Managing Director

A handwritten signature in blue ink next to a circular blue stamp. The stamp contains the text "MADRAS FLUORINE PRIVATE LTD" around the perimeter and "MFPL" in the center, with a small star at the bottom.

Approved by : B. Venkateshwar
Designation : HR Manager