



SYRMA SGS TECHNOLOGY LIMITED (Site-1)


Plot No. B27, Phase II, Zone B, MEPZ SEZ, Tambaram,
Chennai – 600 045, Tamilnadu, India..

GHG EMISSION REPORT

Doc No : SST/ESG/065
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Date : 27th April, 2025

Prepared By

Approved By

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1. Introduction

SYRMA SGS TECHNOLOGY LIMITED, a leading company in India, specializes in the Design, Manufacturing, and Marketing of Coils, Magnetics Assemblies, RFID products, Antennae, and Sub-assemblies used in Radio Telephony & Printed Circuit Board Assemblies with or without Enclosures. We also design and manufacture Power Adaptors, Switch Mode Power Supply (SMPS), and are involved in the manufacturing and supply of Smart Watches, Laptop, and Notebook systems. As part of our commitment to integrating Environmental, Social, and Governance (ESG) principles into our operations, we have conducted a comprehensive Greenhouse Gas (GHG) inventory. This report provides an overview of our GHG emissions for Scope 1 and Scope 2, along with an action plan to reduce these emissions.

The calculation of GHG emissions is a critical step in understanding our carbon footprint and developing strategies to mitigate our impact on climate change. For the reporting year, SYRMA SGS TECHNOLOGY LIMITED has calculated its Scope 1 emissions at 228.6 metric tons of CO₂ equivalent (MT CO₂e) and Scope 2 emissions at 2576.4 MT CO₂e. These figures reflect our direct emissions from company-owned sources and indirect emissions from purchased electricity, respectively.

Scope 3 base lining is under development.

Period: 1st April 2024 to 31st March 2025.

**Site covered: PLOT NO. B27, PHASE II, ZONE B, MEPZ SEZ, TAMBARAM,
CHENNAI – 600 045. TAMIL NADU, INDIA.**


2. GHG EMISSIONS

Scope 1 Emissions

Scope 1 emissions refer to the direct GHG emissions from sources that are owned or controlled by SYRMA SGS TECHNOLOGY LIMITED. These include emissions from fuel combustion in company-owned vehicles, emissions from boilers, furnaces, and other on-site equipment. Our Scope 1 emissions have been calculated as 228.6 MT CO₂e.

Sources of Scope 1 Emissions:

- a) Fuel Combustion in Vehicles: Emissions from the use of petrol, diesel, and other fuels in company-owned or controlled vehicles.
- B) On-site Combustion: Emissions from boilers, furnaces, and generators used in manufacturing processes.
- c) Refrigerant Leaks: Fugitive emissions from the use of refrigerants in air conditioning and cooling systems.

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Scope 2 Emissions

Scope 2 emissions are indirect GHG emissions associated with the consumption of purchased electricity, steam, heating, and cooling. These emissions occur at the facilities where electricity is generated but are accounted for by SYRMA SGS TECHNOLOGY LIMITED since we are the end-users. Our Scope 2 emissions have been calculated as 2576.4 MT CO₂e.

Sources of Scope 2 Emissions:

a) Purchased Electricity: Emissions resulting from the generation of electricity purchased and used by SYRMA SGS TECHNOLOGY LIMITED.

3. GHG EMISSION SUMMARY

Calculation Period: April 2024 – March 2025


All values in: MT CO₂e

GHG Emission Reporting Frequency: Annually

EMISSIONS	CURRENT YEAR (April 2024 – March 2025)
Scope 1	228.6 MT CO ₂ e
Scope 2	2576.4 MT CO ₂ e
Total GHG emission	2805 MT CO₂e
Unit produced	-
GHG Intensity	-

4. ACTION PLAN TO REDUCE SCOPE 1 EMISSIONS


SI.NO	ACTION PLAN	RESPONSIBILITY	TARGET DATE
1.	Transition to electric vehicles (EVs) for company-owned fleets.	ADMIN Dept.	02 nd April, 2026
2.	Implement regular maintenance schedules for all on-site equipment to improve efficiency.	Facilities Manager	On going
3.	Conduct training for staff on eco-driving techniques to reduce fuel consumption.	HED Manager	On going

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4.	Implement leak detection and repair (LDAR) programs for refrigerants.	Facilities Manager	On going
5.	Implement employee carpooling and shuttle programs to reduce emissions from commuting.	HR Manager	On going
6.	Increase the use of remote monitoring and automation to reduce the need for physical site visits, thus reducing vehicle emissions.	IT & Operations Manager	On going
7.	Encourage telecommuting and flexible work arrangements to reduce the need for employee travel.	HR Manager	On going

5. ACTION PLAN TO REDUCE SCOPE 2 EMISSIONS

SI.NO	ACTION PLAN	RESPONSIBILITY	TARGET DATE
1.	Conduct an energy audit of all facilities to identify areas for efficiency improvements.	Energy Manager	On Going
2.	Install energy-efficient lighting and HVAC systems in all facilities.	Facilities Manager	On Going
3.	Implement a company-wide energy awareness program to encourage energy saving behaviours.	HED Manager	On Going
4.	Transition to a green energy supplier for purchased electricity.	Sustainability and Procurement	Apr 2025
5.	Upgrade to high-efficiency industrial machinery and equipment that consume less electricity.	Operations Manager	On Going
6.	Adopt energy-efficient server and IT infrastructure to reduce electricity consumption in data centres and IT operations.	IT Manager	On Going
7.	Utilize power factor correction equipment to improve electrical efficiency and reduce energy losses in electrical systems.	Energy Manager	On Going

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6. Conclusion

This GHG inventory and the accompanying action plan highlight SYRMA SGS TECHNOLOGY LIMITED's commitment to reducing its carbon footprint in alignment with our ESG goals. By implementing these strategies, we aim to significantly lower our Scope 1 and Scope 2 emissions over the coming years. These actions not only contribute to global efforts to combat climate change but also position SYRMA SGS TECHNOLOGY LIMITED as a leader in sustainable manufacturing and operations. Monitoring and reporting will be on-going to ensure we meet our targets, with regular reviews and adjustments to the action plan as needed to address new challenges and opportunities. We will continue to engage with stakeholders, including employees, customers, and suppliers, to ensure that our sustainability goals are met.