



Swiss Garniers
Biotech Private Limited

SWISS GARNIERS BIOTECH PRIVATE LIMITED

PLOT NO. 21, INDUSTRIAL AREA, MEHATPUR, UNA - 174315,
HIMACHAL PRADESH, INDIA.

GHG EMISSION AND REDUCTION PLAN

Doc No : SGBT/ESG/F- 480
Issue No : 01
Rev No : 00
Date : 25th May, 2024



Introduction



The table below provides a detailed breakdown of SGBT's greenhouse gas emissions across Scope 1, Scope 2, and Scope 3 categories. Scope 1 refers to direct emissions from owned or controlled sources, such as fuel combustion in facilities or vehicles. Scope 2 encompasses indirect emissions from the consumption of purchased electricity, steam, heating, and cooling. Scope 3 includes all other indirect emissions throughout the value chain, such as those from suppliers, product use, waste management, and employee commuting. This thorough assessment of SGBT's carbon footprint identifies critical areas for emission reduction and supports the alignment with sustainability goals.

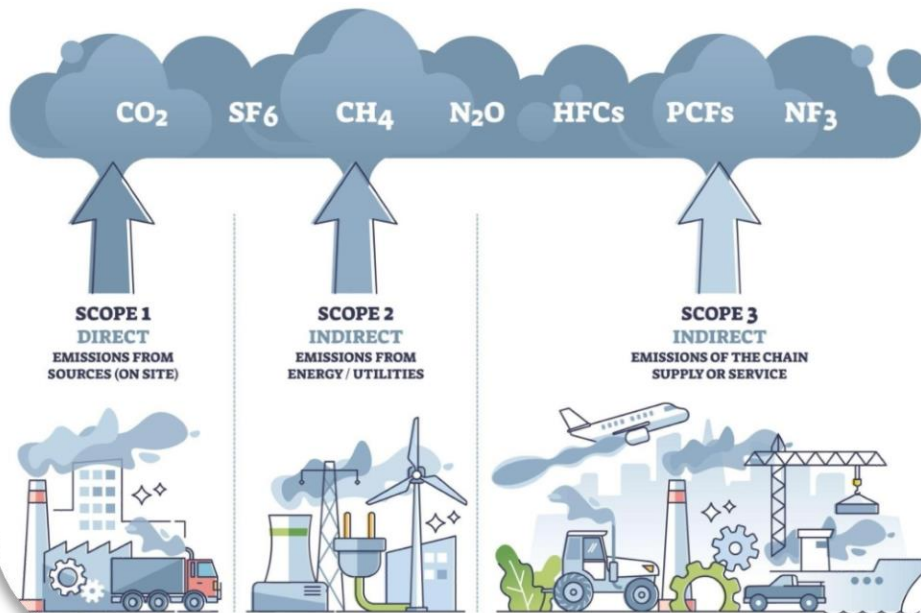
GHG Emissions Summary



The table below presents a summary of SGBT's greenhouse gas (GHG) emissions, organized into Scope 1, Scope 2, and Scope 3 categories. Scope 1 encompasses direct emissions from fuel use and on-site activities, such as the operation of boilers and generators. Scope 2 includes indirect emissions from the consumption of purchased electricity and other energy sources at the facilities. Scope 3 covers all other indirect emissions across the value chain, including the sourcing of raw materials, transportation, product delivery, and end-of-life disposal. This breakdown offers a comprehensive view of SGBT's carbon footprint, enabling the identification of key areas for focused emission reduction efforts in line with its ESG goals.

GHG EMISSIONS

SCOPES OF EMISSIONS



- **Scope 1:** GHG emissions from sources owned / controlled by the company. E.g. Boilers, furnaces, owned vehicles, forklifts, kitchens.
- **Scope 2:** GHG emissions from purchased electricity / steam / cooling for own use. Account DG electricity provided by facility management. Account gross electricity consumed if net-metering for on-site solar generation.
- **Scope 3:** Indirect GHG emissions from upstream and downstream activities.

SCOPE 1

Scope 1 emissions refer to the direct greenhouse gas (GHG) emissions originating from sources owned or controlled by SGBT. These emissions primarily stem from the combustion of fuel in on-site equipment such as boilers, generators, and furnaces that support essential operations at our pharmaceutical, nutraceutical, and food supplement manufacturing facilities. Additionally, emissions from company-owned vehicles involved in logistics and transportation, as well as those generated during manufacturing processes, including chemical reactions inherent to production, contribute to Scope 1. To mitigate these emissions, SGBT has implemented a proactive strategy that aligns with our Environmental, Social, and Governance (ESG) principles. This strategy includes optimizing fuel consumption through advanced energy management systems, shifting to cleaner fuels or low-carbon alternatives, and investing in energy-efficient technologies to reduce overall energy use. By consistently monitoring and improving operational practices, SGBT achieves substantial reductions in direct emissions while preserving operational efficiency. Our long-term vision is centered on sustainable growth with minimal environmental impact.



SCOPE 2

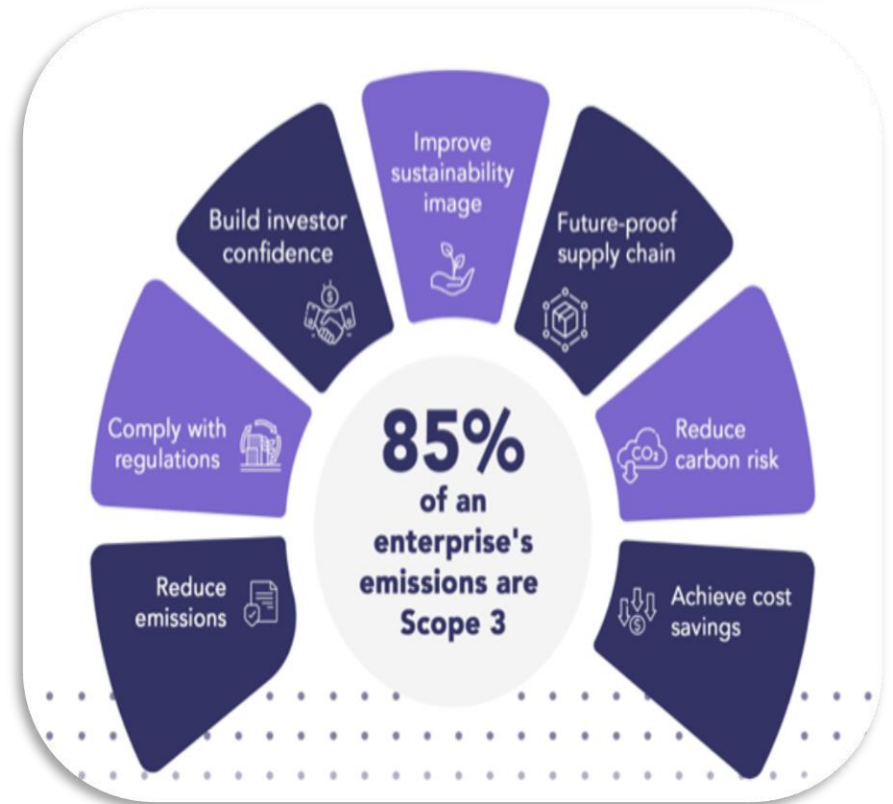
Scope 2 emissions are indirect greenhouse gas (GHG) emissions resulting from the use of purchased energy, including electricity, steam, heating, or cooling, that powers SGBT's advanced manufacturing facilities. While these emissions occur at the utility provider's location, they are attributed to SGBT as part of its operational carbon footprint due to energy consumption. To address Scope 2 emissions, SGBT has implemented a comprehensive strategy focused on reducing energy reliance and improving energy efficiency. This approach includes upgrading to energy-efficient equipment, adopting automated systems to monitor and optimize energy consumption, and integrating renewable energy solutions such as on-site solar power installations. Additionally, SGBT places a high priority on sourcing energy from green-certified suppliers to further reduce its indirect emissions. These initiatives reflect SGBT's strong commitment to sustainable practices and ESG principles, ensuring that the environmental impact of its pharmaceutical, nutraceutical, and food supplement manufacturing activities is minimized, while upholding high production standards.



SCOPE 2
INDIRECT
EMISSIONS FROM
ENERGY / UTILITIES

SCOPE 3

Scope 3 emissions include all other indirect greenhouse gas (GHG) emissions across SGBT's value chain, both upstream and downstream. Upstream emissions are generated during the extraction, production, and transportation of raw materials, as well as through supplier activities, employee commuting, and waste management processes. Downstream emissions arise from the distribution, use, and disposal of products, making Scope 3 emissions the most extensive and challenging category to manage. Understanding the significance of addressing these emissions, SGBT works closely with suppliers to promote the adoption of sustainable practices, such as reducing energy use and emissions. The company also enhances its logistics operations to improve transportation efficiency, thereby reducing emissions from freight and distribution. Additionally, SGBT encourages eco-friendly product lifecycle management, focusing on recyclable packaging and responsible disposal practices. Through these actions, SGBT aligns with global ESG standards, adopting a comprehensive approach to minimizing environmental impact across its entire value chain while supporting long-term sustainability.



EMISSION SUMMARY

Locations covered

SWISS GARNIER BIOTECH PRIVATE LIMITED

PLOT NO. 21, INDUSTRIAL AREA, MEHATPUR, UNA - 174315,
HIMACHAL PRADESH, INDIA.

Calculation period: April 2023 to March 2024

All values in MT CO₂ e

EMISSION TYPE	BASE LINE YEAR 2022-2023 (MT CO ₂ e)	CURRENT YEAR 2023-2024 (MT CO ₂ e)	TARGET 2030
SCOPE 1	51.54	83	15%
SCOPE 2	2343.74	2067.11	15%
SCOPE 3 DOWNSTREAM	5419.5	5419.5	15%
SCOPE 3 UPSTREAM	7853.8	7853.8	15%
SCOPE 3	13273	13273	15%
TOTAL	15668.3	15423.11	15%

*Note: Reduction target mentioned in intensity
Scope 3 – Base line is considered as per 2023 - 24*

GHG EMISSION REDUCTION PLAN

Dedicated Budget for GHG Management

SGBT allocates a dedicated annual budget to support its greenhouse gas (GHG) reduction efforts, underscoring its strong commitment to environmental sustainability. These funds are strategically invested in renewable energy initiatives, such as solar power installations, and in improving operational efficiency through the adoption of energy-saving technologies. Additionally, resources are allocated to carbon offset programs to counterbalance unavoidable emissions and to research and development of innovative low-emission technologies for long-term advancement. By focusing on these initiatives, SGBT ensures ongoing progress in reducing its carbon footprint while aligning with global ESG standards. This comprehensive strategy reflects SGBT's commitment to sustainable growth and minimizing its environmental impact across all operations.

Management Team for GHG Emissions Reduction

SGBT has formed a dedicated, cross-functional team to lead its GHG reduction efforts, ensuring a coordinated and unified approach. This team comprises sustainability experts, engineers, and procurement professionals who collaborate to identify, plan, and execute strategies for cutting emissions across operations. Sustainability experts oversee ESG compliance and track progress, while engineers focus on optimizing processes and incorporating energy-efficient technologies. Procurement professionals work closely with suppliers to encourage sustainable practices throughout the supply chain. By harnessing the skills of various departments, SGBT guarantees the successful implementation of its emission reduction objectives, in alignment with global sustainability standards, while promoting long-term environmental stewardship.

TIME-BOUND ACTION PLAN

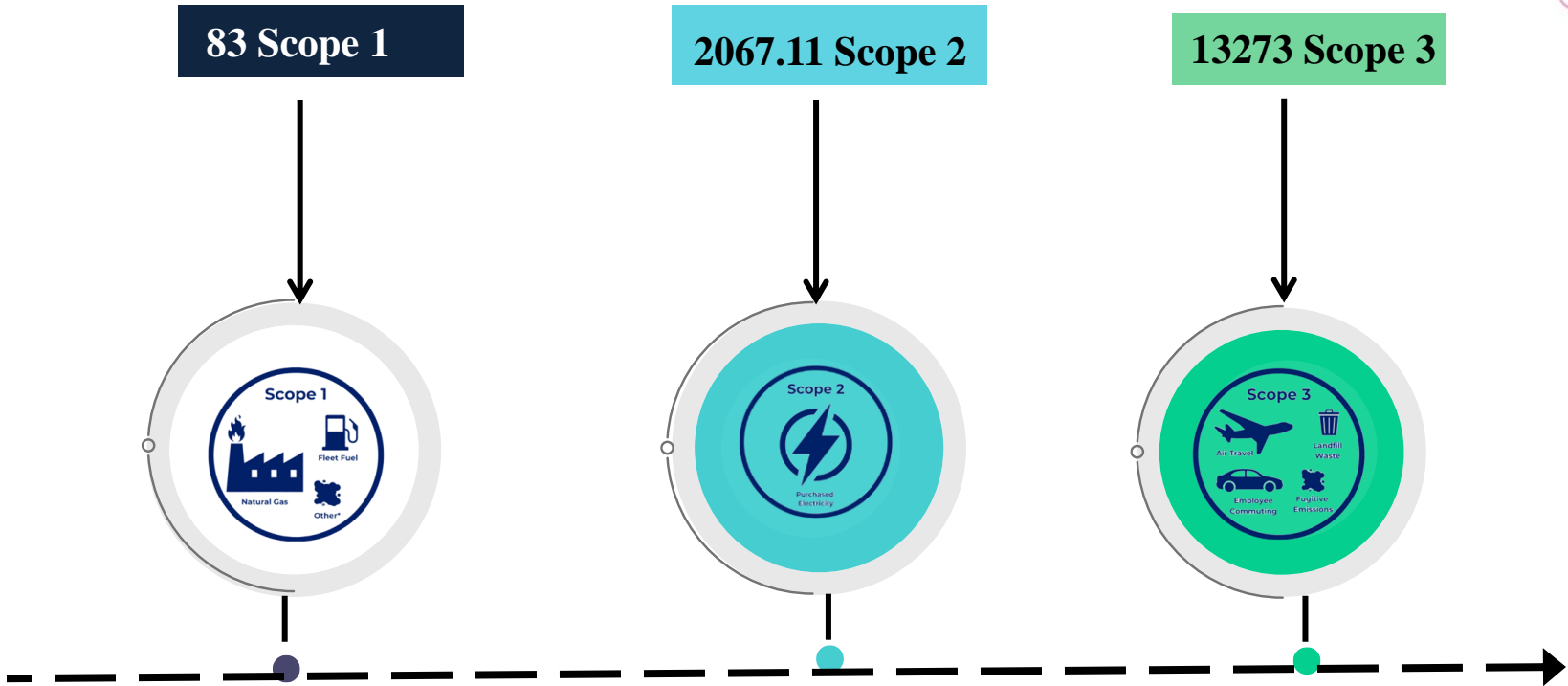
Reduce Energy Consumption

SGBT is dedicated to enhancing energy efficiency throughout its operations. To accomplish this, the company will perform thorough energy audits to pinpoint inefficiencies in manufacturing processes and implement targeted corrective actions. The adoption of energy-efficient machinery and automation technologies will be central to optimizing production systems. Furthermore, smart lighting and HVAC systems will be installed across all facilities to reduce energy waste. These initiatives are designed to lower overall energy consumption while upholding operational excellence. SGBT targets a 20% reduction in energy use, making a significant contribution to its sustainability and ESG objectives.

Increase Renewable Energy Usage

SGBT is committed to transitioning to renewable energy sources in order to minimize its carbon footprint. As part of this initiative, the company will install solar panels at its operational sites to capture clean, renewable energy. This will decrease dependence on traditional electricity and provide a sustainable energy supply for daily operations. Additionally, SGBT will source electricity from certified renewable energy providers, ensuring that all facilities use energy from eco-friendly sources. To further promote sustainability, SGBT will explore the use of biogas in its operations, especially in regions with waste-to-energy potential. This will involve evaluating the feasibility of incorporating biogas into energy systems, reducing reliance on fossil fuels, and further lowering GHG emissions. These efforts will enable SGBT to significantly lessen its environmental impact while contributing to the global shift towards a low-carbon economy, in line with the company's ESG goals.

GHG EMISSION



Note: Emissions monitored in MT CO₂e

TIME-BOUND ACTION PLAN

Scope 1: Direct GHG Emissions

Action Items	Target date
Migration towards less emission fuel sources for Boiler.	Mar - 2025
Installation of Waste Heat and Recovery Mechanism equipment's.	Dec - 2025
Development of Product wise GHG Emission inventory tracker	Mar - 2026
Migration towards less Ozone Depletion Potential (ODP) & Global Warming Potential (GWP) Refrigerants	Mar - 2026
Installation of Air Pollution Control Measures (APC) Measures – Wet Scrubbers / Dry Scrubbers to control process emissions	Mar - 2027

Scope 2: Indirect GHG Emissions

Action Items	Target date
Installation and commissioning of Energy Efficient installations to reduce the Energy Consumption.	Mar - 2027
Installation and Commission of VFD's for cooling tower motors to reduce the power consumption.	Dec - 2025
ESG / Emissions management awareness programs to be conducted.	Mar - 2025
Installation of Solar Power panels for powering outdoor illumination through Renewable Energy	Dec - 2026
Opting for Energy Management System - ISO 50001	Mar - 2025

Scope 3: Other Indirect GHG Emissions

Action Items	Target date
Supplier Engagement: Work with suppliers to reduce emissions by sourcing from low-carbon and sustainable sources, and collaborate on improving energy efficiency	Mar - 2027
Sustainable Packaging: Reduce the carbon footprint of packaging materials by switching to sustainable, recyclable, or biodegradable options.	Dec - 2027
Product Life Cycle Analysis: Conduct a full life cycle analysis of products to identify emission hotspots and opportunities to reduce emissions across the product's life cycle.	Mar - 2026
Sustainable Procurement Policies: Establish procurement policies that prioritize low-carbon products and services, including energy-efficient technologies.	Dec - 2025
Employee and Contractor Emissions: Promote sustainable commuting options, such as carpooling, biking, or public transportation, and incentivize employees to reduce travel emissions.	Mar - 2027

CONCLUSION

This GHG Emissions Report and Reduction Strategy demonstrates SGBT's dedication to addressing climate change and integrating sustainability into its operations. Through targeted investments, cutting-edge technologies, and cooperative initiatives, SGBT strives to set an industry standard for minimizing environmental impact while delivering high-quality, innovative products.

