

Greenhouse Gas Inventory Report

TONGXIANG XINLONG BEDDING CO., LTD.

Reporting Period: January 2024 to December 2024

This GHG inventory report serves as a reference for the decision-making of the company's management and provides a basis for setting future emission reduction plans.



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Company Profile

Scope of GHG Emissions Quantification and Reporting

The scope of GHG emissions quantification and reporting covered in this report is determined referencing to GHG Protocol – A Corporate Accounting and Reporting Standard. The details of the scope is elaborated in the subsequent sections.

Organization Boundary

The organization boundary for TONGXIANG XINLONG BEDDING CO., LTD.'s GHG inventory was established according to control approach. The physical location of TONGXIANG XINLONG BEDDING CO., LTD. is at No.268 of Xingfa Road, Wuzhen Town, Tongxiang, Jiaxing City, Zhejiang Province, China.

Reporting Period

This report presents the GHG emissions inventory of TONGXIANG XINLONG BEDDING CO., LTD. from 1 January 2024 to 31 December 2024.

GHG Covered

Carbon dioxide (CO₂) , methane (CH₄) , nitrous oxide (N₂O) , perfluorocarbons (PFCs) , hydrofluorocarbons (HFCs) , sulfur hexafluoride (SF₆) and nitrogen trifluoride (NF₃) have been considered in the GHG inventory and included in this report.

Note: For detailed GHG emission source(s) or sink(s) covered in the reporting boundary, please refer to the appendix at the end of the report.

GHG Quantification Methodology

The quantification methodologies used in GHG emissions quantification are calculations based on GHG activity data multiplied by GHG emission or removal factors. The emission and removal factors used in the calculations were referring to:

- China Products Carbon Footprint Factors Databases
- The Intergovernmental Panel on Climate Change (IPCC)
- UK Government GHG Conversion Factors for Company Reporting (DEFRA)
- Ecoinvent Database v3
- Ministry of Ecology and Environment of the People's Republic of China
- Guidelines for greenhouse gas accounting of 24 industries in China
- US Environmentally-Extended Input-Output (USEEIO) Models
- Mass Balance Approach

Global Warming Potential (GWP) is used for converting the unit of different GHG into carbon dioxide equivalent. The set of GWP published from IPCC Sixth Assessment Report (AR6) is adopted in the GHG emissions quantification process.

GHG Emissions Result

The GHG emissions result for the reporting entity in terms of carbon dioxide equivalent during the reporting period were described in this section.

1. Overall Greenhouse Gas Emission Result

Category	Emissions	Unit	Percentage
Direct Emissions and Removal	262.40	tCO ₂ e	0.34%
Indirect Emissions From Purchased Energy	1,086.20	tCO ₂ e	1.41%
Indirect Emissions From Purchased Goods and Services	70,064.30	tCO ₂ e	91.12%
Indirect Emissions From Capital Goods	48.84	tCO ₂ e	0.06%
Indirect Emissions From Fuel- and Energy-related Activities	367.81	tCO ₂ e	0.48%
Indirect Emissions From Upstream Transportation & Distribution	479.69	tCO ₂ e	0.62%
Indirect Emissions From Waste Generated in Operations	2.27	tCO ₂ e	0.00%
Indirect Emissions From Business Travel	2.33	tCO ₂ e	0.00%
Indirect Emissions From Employee Commuting	55.83	tCO ₂ e	0.07%
Indirect Emissions From Upstream Leased Assets	0.00	tCO ₂ e	0.00%
Indirect Emissions From Downstream Transportation & Distribution	4,437.94	tCO ₂ e	5.77%
Indirect Emissions From Processing of Sold Products	0.00	tCO ₂ e	0.00%
Indirect Emissions From Use of Sold Products	0.00	tCO ₂ e	0.00%
Indirect Emissions From End-of-life Treatment of Sold Products	84.66	tCO ₂ e	0.11%
Indirect Emissions From Downstream Leased Assets	0.00	tCO ₂ e	0.00%
Indirect Emissions From Franchises	0.00	tCO ₂ e	0.00%
Indirect Emissions From Investments	0.00	tCO ₂ e	0.00%
Total	76,892.27	tCO₂e	100.00%

2. Emission Result for Different Types of Greenhouse Gas

Type of GHG	Emissions	Unit	Percentage
CO ₂	76,703.95	tCO ₂ e	99.76%
CH ₄	0.39	tCO ₂ e	0.00%
N ₂ O	2.81	tCO ₂ e	0.00%
HFCs	185.12	tCO ₂ e	0.24%
PFCs	0.00	tCO ₂ e	0.00%
SF ₆	0.00	tCO ₂ e	0.00%
NF ₃	0.00	tCO ₂ e	0.00%
Other GHG	0.00	tCO ₂ e	0.00%
Total	76,892.27	tCO₂e	100.00%

3. Emission Result for Different Types of Greenhouse Gas (Scope 1)

Type of GHG	Emissions	Unit
CO ₂	74.08	tCO ₂ e
CH ₄	0.39	tCO ₂ e
N ₂ O	2.81	tCO ₂ e
HFCs	185.12	tCO ₂ e
PFCs	0.00	tCO ₂ e
SF ₆	0.00	tCO ₂ e
NF ₃	0.00	tCO ₂ e
Other GHG	0.00	tCO ₂ e
Total	262.40	tCO₂e

4. Emission Result for Different Types of Greenhouse Gas (Scope 2)

Type of GHG	Emissions	Unit
CO ₂	1,086.20	tCO ₂ e
CH ₄	0.00	tCO ₂ e
N ₂ O	0.00	tCO ₂ e
HFCs	0.00	tCO ₂ e
PFCs	0.00	tCO ₂ e
SF ₆	0.00	tCO ₂ e
NF ₃	0.00	tCO ₂ e
Other GHG	0.00	tCO ₂ e
Total	1,086.20	tCO₂e

5. Emission Result for Different Types of Greenhouse Gas (Scope 3)

Type of GHG	Emissions	Unit
CO ₂	75,543.66	tCO ₂ e
CH ₄	0.00	tCO ₂ e
N ₂ O	0.00	tCO ₂ e
HFCs	0.00	tCO ₂ e
PFCs	0.00	tCO ₂ e
SF ₆	0.00	tCO ₂ e
NF ₃	0.00	tCO ₂ e
Other GHG	0.00	tCO ₂ e
Total	75,543.66	tCO₂e

6. Proportion of Direct Greenhouse Gas Emissions by Category

Emission Source Category	Emissions	Unit	Percentage
Stationary Combustion	13.25	tCO ₂ e	5.05%
Mobile Combustion	64.02	tCO ₂ e	24.40%
Process Emission	0.00	tCO ₂ e	0.00%
Fugitive Emission	185.12	tCO ₂ e	70.55%
Total	262.40	tCO₂e	100.00%

7. Emission Result for Different Types of Greenhouse Gas (Scope 1 & 2)

Type of GHG	Emissions	Unit	Percentage
CO ₂	1,160.28	tCO ₂ e	86.04%
CH ₄	0.39	tCO ₂ e	0.03%
N ₂ O	2.81	tCO ₂ e	0.21%
HFCs	185.12	tCO ₂ e	13.73%
PFCs	0.00	tCO ₂ e	0.00%
SF ₆	0.00	tCO ₂ e	0.00%
NF ₃	0.00	tCO ₂ e	0.00%
Other GHG	0.00	tCO ₂ e	0.00%
Total	1,348.61	tCO₂e	100.00%

8. Greenhouse Gas Emission Result (Scope 1 & 2)

Category	Emissions	Unit	Percentage
Scope 1	262.40	tCO ₂ e	19.46%
Scope 2	1,086.20	tCO ₂ e	80.54%
Total	1,348.61	tCO₂e	100.00%

9. CO₂ Emission from Biomass Combustion (Scope1)

Type of GHG	Emissions	Unit
CO ₂	0.00	tCO ₂ e

10. CO₂ Emission from Biomass Combustion (Scope2)

Type of GHG	Emissions	Unit
CO ₂	0.00	tCO ₂ e

Responsibility of GHG Inventory Report

This GHG inventory report is prepared by TONGXIANG XINLONG BEDDING CO., LTD. and SGS Digital Carbon Management Platform – S-Carbon. The management of TONGXIANG XINLONG BEDDING CO., LTD. is responsible for determining the organization boundary and reporting boundary for GHG emissions quantification and reporting. Designated staff of TONGXIANG XINLONG BEDDING CO., LTD. is responsible for collecting relevant activity data and ensuring the accuracy of the data. SGS's technical expert and S-Carbon are responsible for selecting appropriate suitable quantification strategy and emission factor reference for converting the collected activity data into GHG emissions figures.

Contact Person of the Reporting Entity

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Appendix 1 Reporting Boundary

The greenhouse gas emission sources or sinks covered in this report include:

- Direct GHG Emissions and Removals (Scope 1)
 - o Direct GHG Emissions and Removals
 - Domestic sewage septic tank
 - Vehicle (Company car)
 - Refrigeration and Air Conditioning System (Air Conditioner)
 - Other Mobile Machinery (Forklift Truck)
 - Canteen Stove
 - Vehicle (Light Goods Vehicle - Diesel))
- Energy Indirect GHG Emissions (Scope 2)
 - o Indirect GHG Emissions from Purchased Energy
 - Purchased Electricity (China mainland)
- Other Indirect GHG Emissions (Scope 3)
 - o Indirect GHG Emissions from Purchased Goods and Services
 - Water Supply
 - Upstream production of raw and auxiliary materials
 - o Indirect GHG Emissions from Capital Goods
 - Upstream production of fixed assets
 - o Indirect GHG Emissions from Fuel- and Energy-related Activities
 - Upstream emissions of purchased fuels and energy
 - o Indirect GHG Emissions from Upstream Transportation and Distribution
 - Vehicle (Light Goods Vehicle - Diesel))
 - Vehicle (Medium Goods Vehicle)
 - o Indirect GHG Emissions from Waste Generated in Operations
 - Water treatment
 - Waste Disposal (Recycling)
 - Waste Disposal (Combustion)
 - o Indirect GHG Emissions from Business Travel
 - Vehicle (Rental - Taxi)
 - Rail (Domestic Rail)
 - Passenger Flight (Short-haul)
 - o Indirect GHG Emissions from Employee Commuting
 - Vehicle (Motorcycle)
 - Electric vehicles (EVs)
 - Vehicle (Passenger Car)
 - o Indirect GHG Emissions from Downstream Transportation and Distribution
 - Ships (Container Ships)
 - Vehicle (Medium Goods Vehicle)
 - o Indirect GHG Emissions from End-of-life Treatment of Sold Products
 - Waste Disposal (Landfill)
 - End-of-life treatment of sold products