

**SINOTRUK**  
**中国重汽**



**2024 年温室气体盘查报告**  
**中国重汽（香港）有限公司**

**2024 Greenhouse Gas Inventory**  
**Sinotruk (Hong Kong) Limited**

# 目录 Content

- 1. 介绍 Introduction..... 1
- 2. 描述性信息 Descriptive Information ..... 2
- 3. 温室气体排放数据 Greenhouse Gas Emissions Data ..... 6
  - 3.1 范围 1 排放数据 Scope 1 Emissions Data ..... 6
  - 3.2 范围 2 排放数据 Scope 2 Emissions Data ..... 6
  - 3.3 范围 3 排放数据 Scope 3 Emissions Data ..... 8



## 1. 介绍 Introduction

中国重汽(香港)有限公司（以下简称“中国重汽”或“本集团”）的温室气体(GHG)排放量的计算基于国际公认的计算指南。本报告介绍了计算中国重汽范围 1、2 和 3 的 2024 年温室气体排放量时使用的技术细节和方法。

The calculation of greenhouse gas (GHG) emissions for Sinotruk (Hong Kong) Limited (hereinafter referred to as "Sinotruk" or "the Group") is based on internationally recognized calculation guidelines. This report outlines the technical details and methodologies used in calculating the Group's Scope 1, 2, and 3 greenhouse gas emissions for the year 2024.

以下为计算依据的国际公认准则：

The internationally recognized guidelines used as the basis for the calculations are as follows:

- 温室气体范围 1 和 2：The Greenhouse Gas Protocol (GHG Protocol)'s Corporate Accounting and Reporting Standard <sup>1</sup>
- Scope 1 and 2 greenhouse gas emissions: *The Greenhouse Gas Protocol (GHG Protocol)'s Corporate Accounting and Reporting Standard*
- 温室气体范围 3: The Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard <sup>2</sup>
- Scope 3 greenhouse gas emissions: *The Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard*



<sup>1</sup>[ghgprotocol.org/sites/default/files/standards/ghg-protocol-revised.pdf](https://ghgprotocol.org/sites/default/files/standards/ghg-protocol-revised.pdf)

<sup>2</sup>[ghgprotocol.org/sites/default/files/standards/Corporate-Value-Chain-Accounting-Reporting-Standard\\_041,613\\_2.pdf](https://ghgprotocol.org/sites/default/files/standards/Corporate-Value-Chain-Accounting-Reporting-Standard_041,613_2.pdf)



2. 描述性信息 Descriptive Information

描述性信息 Descriptive Information	公司回应 Company Response
公司名称 Company Name	中国重汽（香港）有限公司 Sinotruk (Hong Kong) Limited
组织边界 Organizational Boundary	中国重汽（香港）有限公司总部及 28 家二级单位 Sinotruk (Hong Kong) Limited headquarters and 28 subsidiaries
总部所在地 Headquarters Location	山东省济南市高新区华奥路 777 号中国重汽科技大厦 城市：山东省济南市 国家：中国 Sinotruk Tower, No. 777 Hua' ao Road, Innovation Zone, Ji' nan City, Shandong Province, PRC City: Jinan, Shandong Province Country: PRC
公司经营所在行业 Industry	商用车 Commercial vehicle
公司（总部）描述 Company (Headquarters) Description	<p>中国重汽（香港）有限公司（股票代码：03808，公司简称：“中国重汽”“本集团”）为中国领先卡车制造商之一，专营研发及制造重卡、中重卡、轻卡等以及相关主要总成及零部件。本集团产品广泛服务于物流、运输和基础设施建设等不同行业和领域的客户群。</p> <p>本集团以整车制造为龙头，并自制发动机、驾驶室、车桥、车架及变速箱等关键零部件及总成，是具有自主研发和制造能力、产业链完整的卡车制造商。本集团产品不仅在国内销售，还向世界其它国家和地区销售。此外，</p>

描述性信息 Descriptive Information	公司回应 Company Response
	<p>本集团对本集团产品生产和销售相关人士及中国重汽集团提供金融服务。</p> <p>公司网站: <a href="https://www.sinotruk.com/">https://www.sinotruk.com/</a></p> <p>Sinotruk (Hong Kong) Limited (Stock Code: 03808, hereinafter referred to as “Sinotruk” “the Group”) is one of the leading truck manufacturers in China, specializing in the research, development, and manufacturing of heavy-duty trucks, medium- and light-duty trucks, as well as key assemblies and components. The Group’s products serve a wide range of customers across industries and sectors such as logistics, transportation, and infrastructure construction. The Group’s core business is complete vehicle manufacturing, complemented by in-house production of engines, cabins, axles, chassis, and transmissions, making it a truck manufacturer with independent R&amp;D and manufacturing capabilities as well as a fully integrated industrial chain. The Group’s products are sold both domestically and internationally. In addition, the Group provides financial services related to the production and sales of its products, as well as to China National Heavy Duty Truck Group Co., Ltd.</p> <p>Company Website: <a href="https://en.sinotruk.com/">https://en.sinotruk.com/</a></p>
<p>选择的合并方法: 财务控制</p> <p><b>Chosen Consolidation Approach: Financial Control</b></p>	<p>在计算范围 1、范围 2 和范围 3 的温室气体排放量时，在本集团财务控制范围内的中国重汽被全额计入。</p> <p>In calculating Scope 1, Scope 2, and Scope 3 greenhouse gas emissions, Sinotruk under the Group’s financial control is fully consolidated.</p>

描述性信息 Descriptive Information	公司回应 Company Response
<p>包含在公司组织边界内的业务及运营情况说明（清单边界的说明，包括报告公司组织边界的概述/描述）</p> <p><b>Description of Business and Operations Included Within Organizational Boundary</b></p>	<p>中国重汽报告所有完全合并公司各场所的第 1 类和第 2 类排放情况。</p> <p>Sinotruk reports Scope 1 and Scope 2 emissions from all wholly consolidated company facilities.</p>
<p>报告期</p> <p><b>Reporting Period</b></p>	<p>01/01/2024 -12/31/2024</p>
<p>清单中包含的范围 1 和范围 2 活动清单</p> <p><b>List of Scope 1 and Scope 2 Activities Included in the Inventory</b></p>	<p>范围 1：直接排放源包括天然气、液化石油气、柴油、汽油燃烧排放；制程排放包括含二氧化碳气体保护焊；无组织排放源（灭火器二氧化碳逸散、灭火器七氟丙烷逸散、化粪池甲烷逸散、污水厌氧处理过程产生的甲烷、制冷设备产生的无组织制冷剂）。</p> <p>范围 2：间接排放源包括外购电力、外购热力以及外购蒸汽。</p> <p>Scope 1: Direct emission sources include combustion of natural gas, liquefied petroleum gas (LPG), diesel, and gasoline; process emissions include carbon dioxide (CO<sub>2</sub>) from shielding gas welding; fugitive emission sources include CO<sub>2</sub> leakage from fire extinguishers, heptafluoropropane leakage from fire extinguishers, methane emissions from septic tanks, methane generated</p>

描述性信息 Descriptive Information	公司回应 Company Response
	during anaerobic wastewater treatment, and fugitive refrigerants released from refrigeration equipment. Scope 2: Indirect emission sources include purchased electricity, purchased heat, and purchased steam.
清单中包含的范围 3 活动清单 <sup>3</sup> List of Scope 3 Activities Included in the Inventory	类别 1：外购商品和服务 类别 11：售出产品的使用 <sup>4</sup> 类别 13：下游租赁资产 Category 1: Purchased goods and services Category 11: Use of sold products Category 13: Downstream leased assets

<sup>3</sup> 基于重要性原则，中国重汽在 2024 年度的温室气体范围 3 核算中对于占比较大的三个类别的排放水平进行了摸底，后续将逐步扩大核算范围。Based on the principle of materiality, Sinotruk conducted a preliminary assessment of the emission levels for the three categories with the largest proportions in its Scope 3 greenhouse gas accounting for the year 2024, and will gradually expand the accounting boundary in subsequent years.

<sup>4</sup> 本年度中国重汽统计范围仅限山东地区生产的重型卡车产品，未来将扩大范围至全部运营范围。For the reporting year, Sinotruk’s statistical boundary is limited to heavy-duty truck products manufactured in Shandong Province. In the future, the scope will be expanded to cover all operations.



3. 温室气体排放数据 Greenhouse Gas Emissions Data

3.1 范围 1 排放数据 Scope 1 Emissions Data

表 3.1: 温室气体范围 1 排放数据

Table 3.1: Greenhouse gas Scope 1 Emissions Data

范围和类别	公吨二氧化碳当量 (按 2024 年排放因子计算)	占范围 1、范围 2 (基于位置) 的总排放量的百分比 (%)
总范围 1: 自有/受控经营的直接排放	82,893.05	19.31%
固定燃烧排放	75,527.81	17.60%
移动燃烧排放	160.54	0.03%
制程排放	680.06	0.16%
无组织排放	6,524.64	1.52%

Scope and Category	Metric ton of carbon dioxide equivalent (Calculated based on 2024 emission factor)	The percentage (%) of the total emissions in Scope 1 and Scope 2 (location-based)
Total Scope 1: Direct Emissions from Owned or Controlled Operations	82,893.05	19.31%
Stationary Combustion Emissions	75,527.81	17.60%
Mobile Combustion Emissions	160.54	0.03%
Process Emissions	680.06	0.16%
Fugitive Emissions	6,524.64	1.52%

3.2 范围 2 排放数据 Scope 2 Emissions Data

表 3.2: 温室气体范围 2 排放数据

Table 3.2: Greenhouse gas Scope 2 Emissions Data





范围和类别	公吨二氧化碳当量 (按 2024 年排放因子计算)	占范围 1、范围 2（基于位置） 的总排放量的百分比（%）
总范围 2（基于位置）：使用 外购电力、蒸汽、供暖和制冷 产生的间接排放	346,300.89	80.69%
按排放类别分类		
外购电力排放	302,219.38	70.42%
外购热力和蒸汽排放	44,081.51	10.27%

Scope and Category	Metric ton of carbon dioxide equivalent (Calculated based on 2024 emission factor)	The percentage (%) of the total emissions in Scope 1 and Scope 2 (location-based)
Total Scope 2 (Location-based): Indirect Emissions from Purchased Electricity, Steam, Heating, and Cooling	346,300.89	80.69%
Classify by emission category		
Indirect Emissions from Purchased Electricity	302,219.38	70.42%
Emissions from Purchased Heating and Steam	44,081.51	10.27%

范围和类别	公吨二氧化碳当量 (按 2024 年排放因子计算)	占范围 1、范围 2（基于市场） 的总排放量的百分比（%）
总范围 2（基于市场）：使用 外购电力、蒸汽、供暖和制冷 产生的间接排放	370,099.44	81.70%
按排放类别分类		
外购电力排放	326,017.93	71.97%
外购热力和蒸汽排放	44,081.51	9.73%



Scope and Category	Metric ton of carbon dioxide equivalent (Calculated based on 2024 emission factor)	The percentage (%) of the total emissions in Scope 1 and Scope 2 (market-based)
<b>Total Scope 2 (Market-based): Indirect Emissions from Purchased Electricity, Steam, Heating, and Cooling</b>	<b>370,099.44</b>	<b>81.70%</b>
<b>Classify by emission category</b>		
Indirect Emissions from Purchased Electricity	326,017.93	71.97%
Emissions from Purchased Heating and Steam	44,081.51	9.73%

3.3 范围 3 排放数据 Scope 3 Emissions Data

...

表 3.3:温室气体范围 3 排放数据

Table 3.3: Greenhouse gas Scope 3 Emissions Data

范围和类别	公吨二氧化碳当量
价值链排放总量	43,571,153.87
类别 1 外购商品及服务	1,792,366.63
类别 11 售出产品的使用	41,075,307.34
类别 13 下游租赁资产	703,479.90

Scope and Category	Metric ton of carbon dioxide equivalent
<b>Total Value Chain Emissions</b>	<b>43,571,153.87</b>
Category 1: Purchased Goods and Services	1,792,366.63
Category 11: Use of Sold Products	41,075,307.34
Category 13: Downstream Leased Assets	703,479.90



# SINOTRUK

## 中国重汽

