



FREIGHT CONSOLIDATORS (MADRAS) PVT LTD

II Floor, No. 25, Flowers Road, Purasawalkam, Chennai – 600084,
Tamilnadu, India.

GHG EMISSION REPORT

For the Year January 2025 – December 2025

Form No : FCMPL/CSRMS/470

Issue No : 01

Rev No : 00

Date : 07th January, 2026


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A blue ink signature of T J Srinivasaraj, written in a cursive style.

Approved by: Managing Director
T J Srinivasaraj



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1. Executive Summary

Organization & Reporting Period:

FCMPL is an integrated logistics, international freight forwarding, and supply chain solutions provider, delivering end-to-end services across India and global trade routes. The organization supports multimodal transportation, warehousing, customs clearance, and supply chain optimization for diverse industries. This Greenhouse Gas (GHG) emission report covers the reporting period from 1st January, 2025 to 31st December, 2025. It outlines FCMPL’s commitment to environmental sustainability by quantifying emissions, identifying key sources, and supporting informed decision-making for emission reduction. The report aligns with recognized standards and provides transparency to stakeholders regarding FCMPL’s environmental performance and climate-related initiatives.

Key Emission Results:

Organizational Boundary

FREIGHT CONSOLIDATORS (MADRAS) PVT LTD.

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Calculation period: January 2025 to December 2025


All values are in MT CO₂ e

GHG Emission Reporting Frequency: Annually

Scope	Emissions (tCO ₂ e)
Scope 1	2,216.64
Scope 2	977.40
Scope 3	10,283.97
Scope 3 Upstream	4131.1
Scope 3 Downstream	6152.87
Total Emission	13,478.01 tCO₂e

Highlights & Reduction Achievements:

- Majority emissions (≈76%) arise from Scope 3 logistics operations.
- Initial ESG integration completed across operations.
- Identified key reduction areas: fuel optimization, vendor engagement, and renewable energy adoption.

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2. Introduction

Purpose:

To quantify, monitor, and disclose GHG emissions in accordance with international standards.

Intended Users:

- Management and stakeholders
- Clients and supply chain partners
- ESG rating agencies (e.g., EcoVadis)
- Regulatory and voluntary disclosure platforms

Reporting Objectives:

- Voluntary disclosure aligned with global standards
- Customer and investor requirements
- Internal sustainability management

3. Organization Description

Company Profile:


FCMPL provides end-to-end logistics solutions including freight forwarding, warehousing, and multimodal transportation.

Organizational Structure:

- Corporate HQ
- Regional logistics hubs
- Warehousing and transport operations

Operations & Facilities:

- Offices and warehouses across India
- Fleet operations (owned and outsourced)
- Third-party logistics partnerships

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4. Reporting Boundary

Organizational Boundary:

Operational Control Approach adopted.

Operational Boundary:

Includes all Scope 1, Scope 2, and relevant Scope 3 emissions.

Entities Covered:

- Corporate offices
- Warehouses
- Owned vehicles
- Outsourced logistics (Scope 3)

5. Reporting Period

- **Start Date:** 01 January 2025
- **End Date:** 31 December 2025
- **Frequency:** Annual

6. GHG Accounting Methodology

Standards Followed:


- ISO 14064-1:2018
- GHG Protocol Corporate Standard

Calculation Approach:

Emissions = Activity Data × Emission Factor

Tools Used:

- Spread sheet-based GHG accounting model
- Industry emission databases

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7. Emission Sources Identification

Direct & Indirect Sources:

- Fuel combustion (diesel, petrol)
- Electricity consumption
- Freight transportation
- Waste generation
- Business travel and employee commuting

Scope Mapping:

- Scope 1: Direct fuel use
- Scope 2: Purchased electricity
- Scope 3: Logistics value chain

8. GHG Scope Classification

8.1 Scope 1 – Direct Emissions (2,216.64 tCO₂e)

- Stationary combustion (DG sets)
- Mobile combustion (owned fleet)
- Fugitive emissions (AC refrigerants)


8.2 Scope 2 – Energy Indirect (977.40 tCO₂e)

- Purchased electricity (India grid factor applied)

8.3 Scope 3 – Other Indirect (10,283.97 tCO₂e)

Upstream: 4,131.10 tCO₂e

- Purchased services
- Vendor logistics
- Waste disposal

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Downstream: 6,152.87 tCO₂e

- Freight distribution
- Last-mile delivery
- Customer logistics

9. GHG Data Collection & Quality

Data Sources:

- Fuel invoices
- Electricity bills
- Vendor logistics data (estimated where unavailable)

Quality Assessment:

- Moderate to high reliability
- Some estimations used for Scope 3

Data Controls:

- Centralized data tracking
- Periodic validation checks


10. Emission Factors

Sources:

- IPCC Guidelines
- DEFRA Emission Factors
- India Grid Emission Factor (CEA)

Units:

- kg CO₂e per litre, kWh, ton-km

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11. Calculation Results

11.1 Total Emissions

Scope	Emissions (tCO ₂ e)
Scope 1	2,216.64
Scope 2	977.40
Scope 3	10,283.97
Scope 3 Upstream	4131.1
Scope 3 Downstream	6152.87
Total Emission	13,478.01 tCO₂e

Gas-wise (Scope 1):

- CO₂: ~98%
- CH₄ & N₂O: ~2%

11.2 Emission Breakdown by Source

- Transportation & logistics: ~70%
- Fuel combustion: ~16%
- Electricity: ~7%
- Others: ~7%

11.3 Emission Intensity Indicators (assumed)


- Employees: 135
- CO₂e per employee: 26.96 tCO₂e
- CO₂e per ton handled (estimated): 0.18 tCO₂e

12. Base Year & Trend Analysis

Base Year: FY 2025–25 (first reporting year)

Future Tracking:

- Year-on-year comparison to be established

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13. Uncertainty Assessment

Sources:

- Scope 3 estimations
- Vendor data gaps

Method:

- Conservative assumptions
- Industry averages

Confidence Level: ~85%

14. Data Quality Assessment

- Activity Data: Medium–High
- Emission Factors: High (standardized)

Validation:


- Cross-check with invoices and operational data

15. GHG Reduction Initiatives

- Route optimization and load consolidation
- Shift to fuel-efficient and EV vehicles
- Renewable energy procurement (solar PPAs)
- Vendor ESG engagement program
- Digitalization to reduce paper and inefficiencies

Future Goals:

- 20% reduction in Scope 1 & 2 by 2030
- Scope 3 supplier engagement program

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16. Conclusions

Summary:

FCMPL's emissions are largely driven by logistics operations (Scope 3). Initial accounting framework is established.

Opportunities:

- Fleet electrification
- Green logistics partnerships
- Energy efficiency in warehouses

Next Plan:

- Improve Scope 3 data accuracy
- Set science-based targets
- Implement carbon reduction roadmap