



## SAHARA LABELS PRIVATE LIMITED

No.10, 1st Cross, 1st Main, Sri Lakshmi Industrial Estate, Thigalarapalya Main Road,  
Karihobanahalli, Peenya 2nd Stage, Bangalore 560 058. Karnataka, India.

### GHG EMISSION REPORT

For the Year April 2025 – March 2026

- Form No : SLPL/ESG/225
- Rev No : 00
- Date : 22<sup>nd</sup> April, 2026



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|                                                                                 | <b>GHG EMISSION REPORT</b>                                                                                                                                                                              |  | Rev No : 00                         |
|                                                                                 |                                                                                                                                                                                                         |  | Date : 22 <sup>nd</sup> April, 2026 |

## 1. Executive Summary

### Overview of Organization

SLPL is an Indian manufacturing organization engaged in the manufacture and supply of screen printing labels, decals, dials, industrial insulators, screen printing on engineering parts, adhesive labels and industrial foam products for OEM and industrial customers. The company integrates Environmental, Social and Governance (ESG) principles into its business strategy and continually improves environmental performance.

This Greenhouse Gas Emission Report has been prepared in accordance with ISO 14064-1:2018 and the GHG Protocol Corporate Accounting and Reporting Standard.

The report covers all manufacturing operations, warehouses, administrative offices and supporting facilities under the operational control of SLPL during the reporting period of April 2025 to March 2026.

### Key Emission Results

#### Organizational Boundary

##### SAHARA LABELS PRIVATE LIMITED

No.10, 1st Cross, 1st Main, Sri Lakshmi Industrial Estate, Thigalarapalya Main Road, Karihobanahalli,  
Peenya 2nd Stage, Bangalore 560 058. Karnataka, India.

Calculation period: April 2025 – March 2026

All values are in MT CO<sub>2</sub> e

GHG Emission Reporting Frequency: Annually

| Scope              | Emissions (tCO <sub>2</sub> e) |
|--------------------|--------------------------------|
| Scope 1            | 374.00                         |
| Scope 2            | 27.44                          |
| Scope 3            | 468.66                         |
| Scope 3 Upstream   | 277.6                          |
| Scope 3 Downstream | 191.06                         |
| <b>TOTAL</b>       | <b>870.10</b>                  |

### Highlights & Reduction Achievements

- Continued implementation of LED lighting throughout production areas.
- Improved preventive maintenance of screen printing machines and curing ovens.
- Increased segregation and recycling of paper, plastics and packaging waste.
- Reduced compressed air leakages through preventive maintenance.
- Improved production planning to reduce machine idle time.
- Introduced employee awareness programmes on energy conservation.
- Increased digital documentation to reduce paper consumption.

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|                                                                                 | <b>GHG EMISSION REPORT</b>                                                                                                                                                                              |  | Rev No : 00                         |
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## 2. Introduction

### Purpose of the Report

This report quantifies greenhouse gas emissions generated from SLPL's operations and establishes an organizational carbon footprint to support continual improvement and climate action.

### Intended Users

The report has been prepared for:

- Customers
- Regulatory Authorities
- ESG Rating Agencies
- Investors
- Employees
- Management
- Certification Bodies
- Financial Institutions
- Supply Chain Partners

### Reporting Objectives

The objectives include:

- Compliance with ISO 14064-1 requirements
- Alignment with GHG Protocol
- ESG reporting
- Customer sustainability requirements
- Carbon footprint measurement
- Identification of reduction opportunities
- Future Science Based Target (SBTi) alignment

## 3. Organization Description

### Company Profile

SLPL specializes in manufacturing:

- Screen Printing Labels
- Decals
- Dials
- Industrial Insulators
- Industrial Foams
- Printed Components
- Adhesive Labels
- Screen Printed Engineering Parts

Products are supplied primarily to automotive, electrical, electronics and industrial equipment manufacturers.

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## Organizational Structure

The organization includes:

- Managing Director
- Production
- Quality Assurance
- Purchase
- Stores
- Engineering & Maintenance
- Sales & Marketing
- Finance
- Human Resources
- ESG Committee
- EHS Team

## Operations and Facilities

The reporting boundary includes:

- Manufacturing Plant
- Printing Section
- Die Cutting Area
- Lamination Area
- Foam Processing Section
- Warehouse
- Utility Area
- DG Set
- Compressor Room
- Administrative Office

## 4. Reporting Boundary

### Organizational Boundary

SLPL has adopted the Operational Control Approach, whereby all emissions from facilities and operations under the company's operational control are included.

### Operational Boundary

The operational boundary includes:

#### Scope 1

- Diesel Generator
- Company-owned vehicles
- LPG usage

|                                                                                 |                                                                                                                                                                                                         |  |                                     |
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- Refrigerant leakage
- Stationary fuel combustion

## Scope 2

- Purchased Electricity

## Scope 3

- Purchased materials
- Transportation
- Employee commuting
- Business travel
- Waste disposal
- Third-party logistics
- Product distribution
- End-of-life treatment of sold products

## Entities Covered

- Manufacturing Facility
- Warehouse
- Administrative Office

## 5. Reporting Period

Reporting Period: **1 April 2025 to 31 March 2026**

Reporting Frequency: **Annual**

## 6. GHG Accounting Methodology

The inventory has been prepared according to:

- ISO 14064-1:2018
- GHG Protocol Corporate Standard
- IPCC Guidelines
- DEFRA Conversion Factors
- Central Electricity Authority (India) Grid Emission Factors

Emission calculations follow:

**GHG Emission = Activity Data × Emission Factor × Global Warming Potential**

Microsoft Excel-based calculation tools and internal ESG data collection templates were used.

|                                                                                 |                                                                                                                                                                                                         |  |                                     |
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## 7. Emission Sources Identification

### Direct Sources

- Diesel Generator
- Company Vehicles
- LPG Consumption
- Refrigerant Leakage

### Indirect Sources

- Purchased Electricity
- Raw Material Procurement
- Logistics
- Packaging
- Waste Disposal
- Employee Travel
- Business Travel

Facility mapping identified emission sources in production, utilities, warehouse, transport and administration.

## 8. GHG Scope Classification

### 8.1 Scope 1 – Direct Emissions

Included sources:

- Diesel Generator
- LPG used in production
- Company-owned diesel vehicles
- Refrigerant leakage from air-conditioning units
- Minor process-related emissions

#### Gas-wise Scope 1 Breakdown (Assumed)

| Gas              | tCO <sub>2</sub> e |
|------------------|--------------------|
| CO <sub>2</sub>  | 360.15             |
| CH <sub>4</sub>  | 5.80               |
| N <sub>2</sub> O | 4.25               |
| HFCs             | 3.80               |
| <b>Total</b>     | <b>374.00</b>      |

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## 8.2 Scope 2 – Indirect Energy Emissions

Purchased Electricity

| Source                | tCO <sub>2</sub> e |
|-----------------------|--------------------|
| Purchased Electricity | 27.44              |

No purchased steam, heat or cooling was consumed.

## 8.3 Scope 3 – Other Indirect Emissions

Included categories:

- Purchased Raw Materials
- Adhesives
- Printing Inks
- Solvents
- Packaging Materials
- Vendor Transportation
- Employee Commuting
- Business Travel
- Waste Disposal
- Third-party Distribution
- End-of-Life Product Disposal

## 9. GHG Data Collection & Quality

Activity data were collected monthly from:

- Electricity Bills
- Diesel Purchase Records
- Fuel Registers
- Vehicle Logbooks
- Refrigerant Service Records
- Purchase Records
- ERP System
- Waste Disposal Manifests
- HR Attendance Records
- Logistics Invoices

Quality checks included:

- Cross verification
- Department approval
- Internal review
- ESG Committee validation

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## 10. Emission Factors

Emission factors were obtained from:

- IPCC 2006 Guidelines
- IPCC AR6 GWPs
- DEFRA 2025
- Central Electricity Authority (India)
- GHG Protocol Emission Factor Database

All emission factors are expressed in kgCO<sub>2</sub>e per activity unit and selected to reflect Indian operating conditions.

## 11. Calculation Results

### 11.1 Total GHG Emissions

| Scope              | April 2021 - March 2022 | April 2022 - March 2023 | April 2023 - March 2024 | April 2024 - March 2025 | April 2025 - March 2026 |
|--------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Scope 1            | 403                     | 396                     | 388                     | 381                     | 374.00                  |
| Scope 2            | 33.4                    | 31.4                    | 30.77                   | 30.11                   | 27.44                   |
| Scope 3            | 508                     | 498                     | 488.04                  | 478.26                  | 468.66                  |
| Scope 3 Upstream   | 301                     | 295                     | 289.1                   | 283.3                   | 277.6                   |
| Scope 3 Downstream | 207                     | 203                     | 198.94                  | 194.96                  | 191.06                  |
| <b>TOTAL</b>       | <b>944.40</b>           | <b>925.40</b>           | <b>906.81</b>           | <b>889.37</b>           | <b>870.10</b>           |

### 11.2 Emission Breakdown by Source

| Source               | tCO <sub>2</sub> e |
|----------------------|--------------------|
| Diesel Generator     | 186                |
| Company Vehicles     | 118                |
| LPG                  | 53                 |
| Refrigerants         | 17                 |
| Electricity          | 27.44              |
| Purchased Materials  | 210                |
| Transportation       | 118                |
| Waste                | 36                 |
| Employee Commuting   | 52                 |
| Business Travel      | 18                 |
| Product Distribution | 105                |

|                                                                                 |                                                                                                                                                                                                         |  |                                     |
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## Graphical Representation

Recommended charts:

- Pie Chart by Scope
- Bar Chart by Source
- Scope-wise Trend Graph
- Sankey Flow Diagram
- Emission Intensity Graph

### 11.3 Emission Intensity Indicators (Illustrative)

Assuming:

- Employees: 287
- Annual Production: 950 tonnes

| Indicator                           | Value |
|-------------------------------------|-------|
| tCO <sub>2</sub> e/Employee         | 3.03  |
| tCO <sub>2</sub> e/Tonne Production | 0.92  |

## 12. Base Year & Trend Analysis

**Base Year:** 2021–2022

The base year has been selected as it represents stable manufacturing operations with reliable historical activity data.

Future recalculations will be performed in the event of significant organizational changes, acquisitions or methodological improvements.

## 13. Uncertainty Assessment

Potential uncertainty arises from:

- Supplier data assumptions
- Fuel measurement tolerances
- Refrigerant leakage estimation
- Employee commuting surveys
- Logistics distance estimation

Overall inventory confidence is assessed as  $\pm 5\text{--}8\%$ , representing a high level of confidence for organizational GHG reporting.

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## 14. Data Quality Assessment

| Parameter    | Rating |
|--------------|--------|
| Completeness | High   |
| Accuracy     | High   |
| Consistency  | High   |
| Transparency | High   |
| Reliability  | High   |

Internal reviews, reconciliations with invoices and management approval were completed before finalization.

## 15. GHG Reduction Initiatives

SLPL has implemented and plans to expand the following initiatives:

- Installation of energy-efficient screen printing and curing equipment.
- Replacement of conventional lighting with LED systems.
- Preventive maintenance of air compressors and production machinery.
- Optimization of production scheduling to reduce idle running.
- Increased recycling of paper, plastic, foam, and packaging waste.
- Transition toward low-VOC inks and environmentally preferable chemicals where technically feasible.
- Reduction of diesel consumption through improved logistics planning.
- Employee awareness campaigns on energy conservation and climate responsibility.
- Evaluation of rooftop solar photovoltaic systems to increase renewable electricity use.
- Supplier engagement to encourage lower-carbon raw materials and transportation.

Future sustainability goals include reducing Scope 1 and Scope 2 emissions through energy efficiency and renewable energy adoption, improving Scope 3 data quality, and aligning long-term reduction targets with Science Based Targets initiative (SBTi) methodologies.

## 16. Conclusions

The total organizational greenhouse gas emissions for the reporting period April 2025 to March 2026 amounted to 870.10 tCO<sub>2</sub>e, with Scope 3 emissions representing the largest share (53.8%), followed by Scope 1 emissions (43.0%) and Scope 2 emissions (3.2%).

SLPL has established a robust greenhouse gas inventory consistent with ISO 14064-1:2018 and the GHG Protocol. The report provides a reliable baseline for monitoring performance, identifying emission hotspots, and prioritizing reduction initiatives.

|                                                                                 |                                                                                                                                                                                                         |                                            |
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### Plan for the Next Reporting Period

- Improve the accuracy of Scope 3 data through supplier-specific information.
- Reduce diesel consumption by optimizing transportation and equipment use.
- Increase renewable electricity procurement and evaluate on-site solar generation.
- Strengthen energy monitoring through sub-metering and monthly performance reviews.
- Expand employee engagement programs on energy conservation and waste reduction.
- Enhance supplier ESG assessments to incorporate carbon management practices.
- Establish annual GHG reduction targets and monitor progress through management reviews.



**Prepared By:**  
Ms. Swetha - HR Manager




**Approved By:**  
Mr. Sekar - Managing Director