



Emirates Printing Press L.L.C

Street 24B, Street 66, Al Quoz Industrial Area 2, Dubai,
United Arab Emirates.

P.O. Box: 5106, 24 B Street, Al Quoz Industrial Area 2, Dubai,
United Arab Emirates.

DIC Branch, Plot number 531-5797, Saih Shuib 2, Dubai Industrial City, Dubai,
United Arab Emirates.

GHG Emission Report

Form No : EPP/ESG/F-740
Rev No : 00



1. Executive Summary

1.1 Overview of Organization and Reporting Period

Emirates Printing Press L.L.C. (EPP) is a UAE-based organization located in Al Quoz Industrial Area 2, Dubai. The company provides processing, printing, finishing and supply of high-quality magazines and packaging products. EPP integrates environmental, social and governance (ESG) considerations into its business operations and sustainability management.

This GHG Emissions Report covers EPP's organizational and operational activities for the period 1 January 2025 to 31 December 2025. The company had 1,270 employees during the reporting period. The organization's designated baseline year is 2024.

1.2 Key Emission Results

Emission Scope	2025 Emissions (tCO ₂ e)	Contribution
Scope 1 – Direct emissions	3,943.83	2.89%
Scope 2 – location Based and market based	14,146.06	10.37%
Scope 3 Up stream	116,083.99	85.13%
Scope 3 down stream	2,153.00	1.58%
Scope 3 – Other indirect emissions	118,236.99	86.74%
Total GHG emissions	136,326.88	100%

The total reported GHG footprint for 2025 is therefore 136,326.88 tCO₂e.

Scope 3 represents the largest component of EPP's carbon footprint, primarily associated with upstream value-chain activities such as purchased materials, packaging-related inputs, inbound transportation and other supply-chain activities.

1.3 Highlights and Reduction Achievements

EPP's 2025 GHG inventory demonstrates that:

- Scope 1 direct emissions were **3,943.83 tCO₂e**.
- Scope 2 emissions were **14,146.06 tCO₂e**.
- Scope 3 emissions were **118,236.99 tCO₂e**.
- Upstream Scope 3 emissions were reported as **116,083.99 tCO₂e**.
- Downstream Scope 3 emissions were reported as **2,153.00 tCO₂e**.

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- Scope 3 reduction opportunities should receive the highest strategic priority because of their substantial contribution to the total inventory.
- Energy efficiency, renewable electricity, low-carbon paper/material sourcing, waste reduction, logistics optimization and supplier engagement provide significant opportunities for future reductions.

2. Introduction

2.1 Purpose of the Report

The purpose of this report is to quantify and document EPP's greenhouse gas emissions for the 2025 reporting period. The report establishes a structured GHG inventory covering direct emissions, purchased energy emissions and relevant value-chain emissions.

The report is intended to support EPP's ESG management system, sustainability reporting, customer requirements, environmental performance monitoring, carbon-reduction planning and future assurance or verification activities.

2.2 Intended Users

The intended users include:

- EPP senior management;
- ESG and sustainability teams;
- Environment, Health and Safety personnel;
- Energy and facility management teams;
- Employees and operational managers;
- Customers and major business partners;
- Suppliers and logistics providers;
- Auditors and assurance providers;
- Regulatory and other relevant stakeholders.

2.3 Reporting Objectives

The principal reporting objectives are:

- Establish EPP's organizational GHG inventory.
- Quantify Scope 1, Scope 2 and relevant Scope 3 emissions.

- Identify significant emission sources.
- Establish a consistent basis for year-on-year comparison.
- Support ESG and sustainability reporting.
- Identify carbon-reduction opportunities.
- Support customer and supply-chain carbon-information requirements.
- Provide a basis for future independent verification.

3. Organization Description

3.1 Company Profile

Company: Emirates Printing Press L.L.C.

Abbreviation: EPP

Location:

Street 24B, Street 66, Al Quoz Industrial Area 2, Dubai,
United Arab Emirates.

P.O. Box: 5106, 24 B Street, Al Quoz Industrial Area 2, Dubai,
United Arab Emirates.

DIC Branch, Plot number 531-5797, Saih Shuib 2, Dubai Industrial City, Dubai,
United Arab Emirates.

Industry: Printing and packaging

Employees: 1,270

Reporting year: 2025

Base year: 2024

EPP's principal activities include processing, printing, finishing and supply of high-quality magazines and packaging products.

3.2 Organizational Structure

For GHG accounting purposes, responsibility is considered to flow through:

Top Management → ESG/Sustainability Management → EHS/Environment → Facility & Energy Management → Production → Procurement → Logistics → HR/Admin → Finance/Data Management

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Each function contributes relevant activity data to the annual GHG inventory.

3.3 Operations, Facilities and Boundaries

The operational boundary includes activities associated with EPP's printing and packaging operations, including:

- Production and printing operations;
- Finishing operations;
- Material handling;
- Electrical energy consumption;
- Emergency/backup power generation;
- Company-owned or controlled vehicles, where applicable;
- HVAC and refrigeration systems;
- Raw-material procurement;
- Packaging materials;
- Waste generation and disposal;
- Inbound and outbound transportation;
- Employee commuting;
- Business travel;
- Distribution of finished products.

4. Reporting Boundary

4.1 Organizational Boundary – Control Approach

EPP applies the operational control approach for its GHG inventory. Emission sources from operations over which EPP has operational control are included within the inventory.

This approach is appropriate because it allows EPP to focus its carbon-management activities on sources that it can directly influence through operational and management decisions.

4.2 Operational Control

Under the operational-control approach, EPP accounts for 100% of GHG emissions from operations over which it has authority to introduce and implement operating policies.

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The organizational boundary should be reviewed whenever there is:

- Acquisition;
- Disposal;
- New facility;
- Facility closure;
- Major outsourcing;
- Change in operational control;
- Significant restructuring.

4.3 Operational Boundary

The operational boundary includes:

Scope 1

- Stationary combustion;
- Mobile combustion;
- Fugitive refrigerants;
- Process emissions, if applicable.

Scope 2

- Purchased electricity;
- Purchased steam, heat or cooling, if applicable.

Scope 3

- Purchased goods and services;
- Capital goods, where material;
- Fuel- and energy-related activities;
- Upstream transportation;
- Waste;
- Business travel;

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- Employee commuting;
- Upstream leased assets;
- Downstream transportation;
- Processing/use/end-of-life of sold products where relevant.

4.4 Entities and Locations Covered

The current inventory covers:

Emirates Printing Press L.L.C. – Al Quoz Industrial Area 2, Dubai, UAE.

The submitted data collection sheet identifies this location as the company's reporting location.

4.5 Supply Chain Screening – Categories 1 To 15

A Scope 3 screening exercise was conducted considering the relevance of the 15 GHG Protocol Scope 3 categories to EPP's printing and packaging activities.

Category	Scope 3 Category	Significance	Assessment
1	Purchased Goods & Services	High	Paper, board, inks, coatings, adhesives and other production materials
2	Capital Goods	Medium	Printing/finishing machinery and equipment
3	Fuel & Energy Related Activities	Medium	Upstream fuel and electricity activities
4	Upstream Transportation	High	Transportation of paper, packaging and other materials
5	Waste Generated in Operations	Medium	Paper, cardboard, ink/chemical and general waste
6	Business Travel	Low	Employee air/road travel
7	Employee Commuting	Medium	Daily employee transportation
8	Upstream Leased Assets	Low	Applicable only where relevant
9	Downstream Transportation	Medium	Distribution of finished products

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10	Processing of Sold Products	Low/Medium	Relevant where customers further process products
11	Use of Sold Products	Low	Generally limited for printed products
12	End-of-Life Treatment	Medium/High	Disposal/recycling of magazines and packaging
13	Downstream Leased Assets	Low	Generally not material
14	Franchises	Not Significant	No significant franchise activity identified
15	Investments	Not Significant	Not applicable to core printing operations

The submitted data sheet specifically identifies upstream and downstream Scope 3 values, with upstream emissions of 116,083.99 tCO₂e and downstream emissions of 2,153.00 tCO₂e.

4.6 Significance Rating Criteria

The following criteria are recommended:

Rating	Criteria
High	>20% of Scope 3 or strategically significant
Medium	5–20% of Scope 3
Low	<5% of Scope 3
Not Significant	Not applicable or demonstrably immaterial

Qualitative considerations may also increase significance where a category presents a major reduction opportunity, customer requirement, regulatory concern or reputational risk.

5. Reporting Period

5.1 Start and End Date

Start date: 1 January 2025

End date: 31 December 2025

The data collection checklist confirms January–December 2025 as the reporting period.

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5.2 Frequency of Reporting

EPP should maintain:

- Monthly activity-data collection;
- Quarterly internal review;
- Annual GHG inventory preparation;
- Annual management review;
- Annual verification/assurance where required.

6. GHG Accounting Methodology

6.1 Standards Followed

The inventory is structured with reference to:

- ISO 14064-1:2018 – Greenhouse gases – Part 1;
- GHG Protocol Corporate Accounting and Reporting Standard;
- GHG Protocol Scope 2 Guidance;
- GHG Protocol Corporate Value Chain (Scope 3) Standard;
- Applicable IPCC emission-factor guidance;
- Appropriate national/grid electricity emission factors;
- Relevant recognized fuel and refrigerant emission factors.

6.2 Calculation Approach

The fundamental calculation methodology is:

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

Examples include:

Diesel emissions = Litres of diesel × kg CO₂e/litre

Electricity emissions = kWh × kg CO₂e/kWh

Material emissions = tonnes of material × kg CO₂e/tonne

Results are converted into:

tonnes of carbon dioxide equivalent (tCO₂e).

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6.3 Tools and Software Used

EPP may maintain the inventory using:

- GHG data collection spreadsheets;
- Electricity bills;
- Fuel consumption registers;
- Procurement records;
- ERP data;
- Waste manifests;
- Logistics records;
- Employee travel/commuting records;
- Emission-factor databases.

The submitted checklist serves as the primary source of the reported aggregate Scope 1, Scope 2 and Scope 3 values.

7. Emission Sources Identification

7.1 Direct and Indirect Sources

- Direct Sources
- Diesel-fired DG sets;
- Company vehicles;
- LPG/fuel combustion, if applicable;
- Natural gas/furnace fuel, if applicable;
- Refrigerant leakage;
- Process emissions, if applicable.

Indirect Sources

- Purchased electricity;
- Purchased goods and services;
- Raw materials;
- Packaging materials;
- Waste treatment;
- Inbound transportation;

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- Outbound transportation;
- Employee commuting;
- Business travel;
- End-of-life treatment.

7.2 Source Mapping

Facility Activity	Source	Scope
Printing/production	Purchased electricity	Scope 2
Emergency power	Diesel	Scope 1
Company transportation	Diesel/petrol	Scope 1
HVAC	Refrigerants	Scope 1
Paper/material procurement	Embedded emissions	Scope 3
Packaging procurement	Embedded emissions	Scope 3
Waste	Waste treatment	Scope 3
Employee transport	Commuting	Scope 3
Supplier logistics	Inbound transport	Scope 3
Customer deliveries	Outbound transport	Scope 3

8. GHG Scope Classification

8.1 Scope 1 – Direct Emissions

The GHG data collection sheet reports Scope 1 emissions of 3,943.83 tCO₂e.

Stationary Combustion

Potential sources include:

- Diesel generator sets;
- Boilers;
- Furnaces;
- LPG combustion;
- Natural gas;
- Other stationary fuel-consuming equipment.

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The source checklist contains fields for diesel, furnace oil, LPG/propane and natural gas, but the corresponding activity quantities were not populated.

Mobile Combustion

Company-owned/controlled vehicles are considered where fuel consumption is under EPP's operational control.

Fugitive Emissions

Potential sources include:

- Split AC systems;
- Central HVAC;
- Chillers;
- Refrigeration equipment.

Actual refrigerant top-up quantities were not provided in the source sheet.

Process Emissions

No material process-emission source has been identified from the submitted data. Printing itself is generally not treated as a significant direct process GHG source unless a specific chemical or industrial process generates GHGs.

Indicative Scope 1 Source Allocation

Because the source sheet provides only the aggregate Scope 1 value, the following is an estimated allocation for inventory presentation only:

Scope 1 Source	Estimated tCO ₂ e
Diesel/DG and other stationary combustion	2,650.00
Company vehicles/mobile combustion	650.00
Refrigerants/fugitive emissions	643.83
Process emissions	0.00
Total Scope 1	3,943.83

Gas-wise contribution: The available data does not identify individual gas quantities. Therefore, the inventory should report the Scope 1 aggregate as 3,943.83 tCO₂e, rather than claiming measured CO₂, CH₄ and N₂O quantities.

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8.2 SCOPE 2 – INDIRECT ENERGY EMISSIONS

EPP's data collection sheet reports:

- Location-based Scope 2: 14,146.06 tCO₂e
- Market-based Scope 2: 14,146.06 tCO₂e.

For the purposes of this report, the two methods are therefore presented using the same reported value.

Scope 2 Source	tCO₂e
Purchased electricity	14,146.06
Purchased steam/heat/cooling	0.00*
Total Scope 2	14,146.06

*No separate purchased steam, heat or cooling data was identified in the submitted checklist.

Gas-wise Contribution

Scope 2 electricity emissions are primarily expressed as CO₂e using the applicable electricity-grid emission factor. Individual gas components are not separately available in the supplied dataset.

8.3 SCOPE 3 – Other Indirect Emissions

The source data reports total Scope 3 emissions of: 118,236.99 tCO₂e

comprising:

- Upstream: 116,083.99 tCO₂e
- Downstream: 2,153.00 tCO₂e.

Scope 3 Indicative Breakdown

Because individual activity quantities were not populated in the source sheet, the following allocation is an estimated category-level presentation consistent with EPP's printing/packaging industry profile.



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Scope 3 Category	Estimated tCO ₂ e
Category 1 – Purchased goods & services	93,500.00
Category 2 – Capital goods	4,500.00
Category 3 – Fuel & energy-related activities	2,100.00
Category 4 – Upstream transportation	8,000.00
Category 5 – Waste generated	1,200.00
Category 6 – Business travel	300.00
Category 7 – Employee commuting	2,500.00
Category 8 – Upstream leased assets	0.00
Category 9 – Downstream transportation	1,300.00
Category 10 – Processing of sold products	500.00
Category 11 – Use of sold products	0.00
Category 12 – End-of-life treatment	4,000.00
Category 13 – Downstream leased assets	0.00
Category 14 – Franchises	0.00
Category 15 – Investments	336.99
Total	118,236.99

Important Data Qualification

The above category allocations are estimates because the submitted data collection sheet contains blank activity-data fields for raw materials, packaging materials, employee commuting, transportation distances and finished-product quantities.

They should therefore be treated as provisional inventory allocations until EPP's procurement, logistics, HR, waste and sales data are reconciled.

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9. GHG Data Collection & Quality

9.1 Data Sources and Collection Method

EPP should collect data from:

- Electricity bills;
- Utility meters;
- Diesel purchase records;
- Fuel cards;
- Generator logs;
- Vehicle fuel records;
- Refrigerant service records;
- Purchase orders;
- Supplier invoices;
- Material consumption records;
- Waste transfer documents;
- Logistics records;
- Employee commuting surveys;
- Travel records;
- Sales and dispatch records.

9.2 Accuracy, Completeness and Reliability

The aggregate Scope 1, Scope 2 and Scope 3 figures have been provided in the source checklist. However, the supporting activity data are incomplete.

Therefore:

Aggregate reported values: Moderate-to-high confidence

Detailed source/category allocation: Moderate confidence

Assumed values: Low-to-moderate confidence until verified

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9.3 Data Management Controls

EPP should implement:

- Monthly data collection.
- Responsible-person assignment.
- Invoice-to-meter reconciliation.
- Duplicate-data checks.
- Unit conversion controls.
- Emission-factor version control.
- Calculation-sheet protection.
- Management review.
- Annual internal audit.
- Record retention.

10. EMISSION FACTORS

10.1 Sources

Emission factors should preferably be obtained from:

- IPCC Guidelines;
- GHG Protocol;
- DEFRA/UK Government conversion factors;
- UAE electricity/grid factors where officially available;
- Supplier-specific verified factors;
- EPDs and product carbon footprints;
- Recognized life-cycle databases.

10.2 Units and Justification

Activity	Unit	Emission Factor Basis
Diesel	litre	kgCO ₂ e/litre
Petrol	litre	kgCO ₂ e/litre
LPG	kg	kgCO ₂ e/kg
Natural gas	m ³	kgCO ₂ e/m ³
Electricity	kWh	kgCO ₂ e/kWh

Paper	tonne	kgCO ₂ e/tonne
Cardboard	tonne	kgCO ₂ e/tonne
Waste	tonne	kgCO ₂ e/tonne
Transport	tonne-km	kgCO ₂ e/tonne-km
Air travel	passenger-km	kgCO ₂ e/passenger-km
Refrigerant	kg leaked	kgCO ₂ e/kg refrigerant

For final verification, EPP should retain evidence of the exact emission factor, source, year/version, unit and conversion methodology.

11. CALCULATION RESULTS

11.1 TOTAL GHG EMISSIONS

Scope	2025 Emissions	% of Total
Scope 1	3,943.83	2.89%
Scope 2	14,146.06	10.37%
Scope 3	118,236.99	86.74%
TOTAL	136,326.88 tCO₂e	100%

Total Carbon Footprint

EPP 2025 GHG emissions = 136,326.88 tCO₂e

11.2 EMISSION BREAKDOWN BY SOURCE

Data-Based Breakdown

Source	Emissions tCO ₂ e	Percentage
Scope 1	3,943.83	2.89%
Scope 2	14,146.06	10.37%
Scope 3	118,236.99	86.74%
Total	136,326.88	100%

Textual Graph

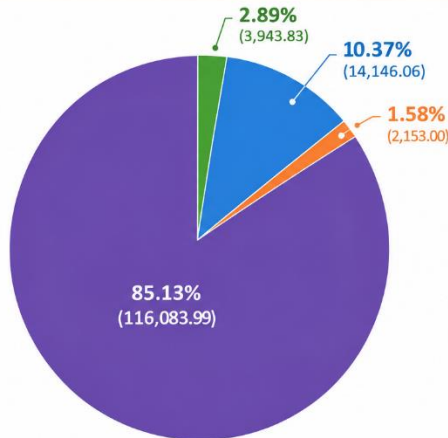


The dominant carbon source is therefore the value chain, rather than direct fuel combustion.



GHG Emissions by Scope

(tCO₂e and Contribution %)



Scope	GHG Emissions (tCO ₂ e)	Contribution (%)
Scope 1 – Direct	3,943.83	2.89%
Scope 2 – Location Based and Market Based	14,146.06	10.37%
Scope 3 – Upstream	116,083.99	85.13%
Scope 3 – Downstream	2,153.00	1.58%
Total GHG Emissions	136,326.88	100%

Scope 3 Breakdown		
Scope 3 – Upstream	116,083.99	98.18%
Scope 3 – Downstream	2,153.00	1.82%
Total Scope 3	118,236.99	100.00%

12. Base Year & Trend Analysis

12.1 Base Year Selection

Base year: 2024

The source checklist identifies 2024 as EPP's baseline year.

The base year should be retained as the reference year for tracking progress toward future emission-reduction objectives.

12.2 Historical Comparison

A numerical 2024 comparison cannot be calculated from the supplied checklist because 2024 Scope 1, Scope 2 and Scope 3 emission values have not been provided.

Accordingly:

Year	Scope 1	Scope 2	Scope 3	Total
2025	3,943.83	14,146.06	118,236.99	136,326.88

EPP should obtain its 2024 inventory before calculating the percentage reduction or increase from the baseline.

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12.3 Adjustments for Organizational Changes

The base year should be recalculated if a significant structural change occurs, such as:

- Acquisition/divestment;
- Major facility expansion;
- Facility closure;
- Material outsourcing/insourcing;
- Significant methodology change;
- Discovery of material historical errors.

13. Uncertainty Assessment

13.1 Sources of Uncertainty

Main uncertainties include:

- Missing fuel quantities;
- Missing refrigerant quantities;
- Incomplete raw-material quantities;
- Estimated transportation distances;
- Employee commuting assumptions;
- Product-specific emission factors;
- Waste treatment assumptions;
- Supplier-specific carbon information;
- Electricity emission-factor selection.

13.2 Estimation Method

A qualitative uncertainty approach is recommended:

Data Type	Uncertainty
Electricity	Low
Aggregate Scope 1	Medium
Aggregate Scope 2	Low
Purchased materials	Medium/High
Logistics	Medium

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Employee commuting	Medium
Waste	Medium
Product end-of-life	High

13.3 Confidence Level

Overall inventory confidence: Moderate

The aggregate reported values are more reliable than the detailed category allocations because the latter require additional activity data.

14. Data Quality Assessment

Data Parameter	Quality Rating	Comment
Company information	High	Directly supplied
Reporting period	High	Clearly defined
Employee data	High	1,270 employees supplied
Scope 1 total	High/Medium	Aggregate value supplied
Scope 2 total	High	Aggregate values supplied
Scope 3 total	Medium/High	Aggregate value supplied
Scope 3 categories	Medium/Low	Detailed activity data missing
Emission factors	Medium	Final factors should be documented
Transportation data	Low/Medium	Distances not supplied
Material data	Low/Medium	Quantities not supplied

Cross-Checks

EPP should perform:

- Electricity bill reconciliation;
- Fuel invoice reconciliation;
- Meter-to-invoice comparison;
- Procurement-to-material-consumption reconciliation;
- Waste contractor reconciliation;
- Logistics distance validation;
- Employee headcount validation;
- Duplicate invoice checks;
- Year-on-year variance analysis.

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15. GHG Reduction Initiatives

15.1 Energy Efficiency Programs

EPP should implement:

- High-efficiency printing equipment.
- Preventive maintenance of machinery.
- Variable-speed drives on motors.
- LED lighting.
- Automated lighting controls.
- HVAC optimization.
- Compressed-air leakage management.
- Power-factor correction.
- Energy monitoring by production line.
- Shutdown procedures for idle machinery.

15.2 Renewable Energy

EPP should evaluate:

- Rooftop solar PV;
- Renewable electricity contracts;
- Green electricity certificates where appropriate;
- Renewable-energy procurement for material Scope 2 reduction.

15.3 Waste Reduction

Printing operations can reduce emissions through:

- Paper waste reduction;
- Make-ready waste reduction;
- Improved production planning;
- Scrap segregation;
- Paper recycling;
- Ink/chemical waste controls;
- Reuse of packaging materials;

- Supplier take-back arrangements.

15.4 Sustainable Procurement

Because Scope 3 is the dominant emissions source, EPP should prioritize:

- Recycled-content paper;
- Certified sustainable paper;
- Lower-carbon paper suppliers;
- Supplier-specific EPDs;
- Low-carbon packaging materials;
- Water-based/low-VOC inks where technically suitable;
- Supplier GHG disclosure;
- Carbon-conscious procurement criteria.

15.5 Logistics Reduction

Actions include:

- Route optimization;
- Load consolidation;
- Higher vehicle utilization;
- Reduced empty trips;
- Local sourcing;
- Low-emission transport providers;
- Shipment planning;
- Digital logistics tracking.

15.6 Future Sustainability Goals

Recommended targets:

Target	Proposed Goal
Energy efficiency	10% reduction in energy intensity by 2030
Renewable electricity	Increase renewable electricity procurement annually
Scope 1	Progressive reduction through fuel efficiency

Scope 2	Significant reduction through efficiency and renewable power
Scope 3	Supplier engagement and material-carbon reduction
Waste	Increase paper/material recycling rate
Logistics	Reduce transport emissions per tonne delivered
Data quality	100% primary data for material Scope 3 categories

16. Conclusions

16.1 Summary of GHG Performance

EPP's reported 2025 GHG inventory totals:

136,326.88 tCO₂e

The inventory consists of:

- Scope 1: 3,943.83 tCO₂e
- Scope 2: 14,146.06 tCO₂e
- Scope 3: 118,236.99 tCO₂e

Scope 3 accounts for the majority of the company's footprint and should therefore be the principal focus of EPP's long-term decarbonization strategy.

16.2 Successes and Opportunities

Key strengths include:

- Established GHG data collection;
- Defined reporting period;
- Defined baseline year;
- Scope 1, 2 and 3 inventory structure;
- Identification of upstream and downstream emissions;
- ESG integration.

The main opportunity is to improve the quality and traceability of activity data, particularly for purchased materials, packaging, transportation, waste and employee commuting.

16.3 Plan for Next Reporting Period

For the next reporting cycle, EPP should:

- Collect monthly Scope 1 fuel data.
- Record all refrigerant top-ups.
- Maintain monthly electricity consumption.
- Collect actual paper/material quantities.
- Obtain supplier-specific emission factors.
- Record inbound and outbound logistics distances.
- Conduct an employee commuting survey.
- Track waste by type and disposal route.
- Establish product-level carbon intensity.
- Recalculate the 2024 baseline where necessary.
- Conduct internal GHG inventory review.
- Establish quantitative reduction targets.

17. Appendices

Appendix A – Activity Data Table

Activity	2025 Data Status
Scope 1 emissions	3,943.83 tCO ₂ e
Purchased electricity	14,146.06 tCO ₂ e
Scope 3	118,236.99 tCO ₂ e
Upstream Scope 3	116,083.99 tCO ₂ e
Downstream Scope 3	2,153.00 tCO ₂ e

- These values and blank fields are based on the submitted GHG data collection checklist.

Appendix B – Calculation Summary

Scope 1

3,943.83 tCO₂e

Scope 2

14,146.06 tCO₂e

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Scope 3

118,236.99 tCO₂e

Total

3,943.83 + 14,146.06 + 118,236.99 = 136,326.88 tCO₂e

Appendix C – Key Definitions

Term	Definition
GHG	Greenhouse Gas
CO ₂ e	Carbon dioxide equivalent
Scope 1	Direct GHG emissions
Scope 2	Indirect emissions from purchased energy
Scope 3	Other indirect value-chain emissions
Base Year	Reference year for comparison
Activity Data	Quantified activity causing emissions
Emission Factor	Factor converting activity into GHG emissions
tCO ₂ e	Tonnes of carbon dioxide equivalent
GWP	Global Warming Potential

Appendix D – Reference Standards

- ISO 14064-1:2018 – Greenhouse gases – Part 1
- GHG Protocol Corporate Accounting and Reporting Standard
- GHG Protocol Scope 2 Guidance
- GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard
- IPCC Guidelines for National Greenhouse Gas Inventories
- Applicable electricity/grid emission factors
- Applicable national and internationally recognized fuel emission factors
- Applicable DEFRA conversion factors where appropriate

ACKNOWLEDGEMENT OF RECEIPT

I confirm that I have received and reviewed this GHG Emission Report and understand my responsibility to comply with applicable requirements.

Name : THYAGARAJAN B

Signature :



Date : 12th January, 2026

