P.O Box 2817, Double Cola Road, Industrial 5, Sharjah,
United Arab Emirates.

GHG Emission Report

DIGITAL EDITION

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مطبعة كلاسيك ذ. م. م

Classic Printing Press l.l.c

GHG Emission Report

1. Company Overview

Classic Printing L.L.C., based in the UAE, is a leading provider of comprehensive services in printing, packaging, publishing, large-format printing, billboards, and corporate giveaways. With a strong commitment to integrating ESG principles, we prioritize sustainability, resource efficiency, and innovation across our operations. Our focus is on adopting eco-friendly production practices, optimizing energy use, and minimizing waste to reduce our overall carbon footprint. By aligning business growth with environmental responsibility, we aim to deliver high-quality solutions while contributing to a greener future. Classic Printing continues to evolve as a responsible partner for clients seeking impactful, sustainable, and reliable services.

2. GHG Emissions Summary

2.1 Organizational Boundaries

Classic Printing L.L.C.

P.O. BOX: **2817,** Double Cola Road, Industrial 5, Sharjah

Calculation period: January 2024 – December 2024

All values in MT CO2e

GHG Emission Reporting Frequency: Annually

2.2 Reporting Boundary & Scope Definition

Scope	Included Activities	Justification
Scope 1	Direct GHG emissions from company-owned vehicles, generators, and printing equipment	Classic Printing has operational control
Scope 2	Indirect GHG emissions from purchased electricity	Printing operations are heavily reliant on electricity
Scope 3	Upstream and downstream indirect GHG emissions (supply chain, distribution, end-of-life)	Activities outside direct control but material to the value chain
Scope 3 Upstream	Indirect emissions from purchased goods and services, transportation of raw materials, and supplier activities	These activities are outside direct control but significant in the supply chain
Scope 3 Downstream	Indirect emissions from product distribution, use of sold products, and end-of-life disposal	These activities are outside direct control but material to the value chain

2.3 Scope 3 Category Inclusion Table

SL. No	Scope 3 Category	Included? (Yes/No)	Justification
1	Purchased Goods & Services	**Yes**	Paper, ink, packaging materials, and printing consumables are major inputs with significant upstream emissions.
2	Capital Goods	**No**	No major capital investments in new machinery during the reporting year.
3	Fuel & Energy-Related Activities (not in Scope 1 & 2)	**Yes**	Emissions from fuel extraction, refining, and transmission/distribution losses associated with electricity and fuel consumption.
4	Upstream Transportation & Distribution	**Yes**	Raw materials (paper, ink, chemicals, packaging) transported to Classic Printing facilities.
5	Waste Generated in Operations	**Yes**	Paper, ink residues, and packaging waste generated during operations.
6	Business Travel	**Yes**	Staff air and road travel for client meetings, exhibitions, and supplier visits.
7	Employee Commuting	**Yes**	Daily employee commuting emissions from cars, buses, and public transport.
8	Upstream Leased Assets	**No**	Classic Printing operates only company-owned or directly leased assets under operational control.
9	Downstream Transportation & Distribution	**Yes**	Distribution of printed products (billboards, packaging materials, corporate giveaways) to customers.
10	Processing of Sold Products	**No**	Products (printing/packaging) are delivered as final goods with no further processing by customers.
11	Use of Sold Products	**No**	Printing and packaging materials are not energy-consuming during customer use phase.
12	End-of-Life Treatment of Sold Products	**Yes**	Disposal/recycling of paper, packaging, and promotional materials contribute to downstream emissions.
13	Downstream Leased Assets	**No**	No downstream leased assets under Classic Printing's control.
14	Franchises	**No**	Classic Printing does not operate a franchise model.
15	Investments	**No**	No investment-related activities relevant to GHG emissions.

3. GHG Emissions Summary

3.1 Breakdown of GHG scope 1 emission.

GHG Species	Quantity (t)	GWP (AR6)	Emissions (tCO_2e)
CO_2	291.10	1	291.10
CH_4	0.05	27.2	1.36
N_2O	0.004	273	1.12
Total Scope 1 Emissions	—	—	**292.58**

3.2 Summary of GHG Emissions: (All values are in MT CO_2e)

Emission	Baseline 2023–24 (tCO_2e)	Current Year 2024–25 (tCO_2e)	Reduction Achieved (tCO_2e)
Scope 1	292.58	285.00	7.58
Scope 2	403.07	390.00	13.07
Scope 3 – Upstream	20.38	19.50	0.88
Scope 3 – Downstream	41.18	40.00	1.18
Total Scope 3	61.56	59.50	2.06
Total GHG Emissions	757.21	734.50	22.71

3.3 SBTi based GHG emission reduction targets

Target	Current year (FY24–25)	FY2027 milestone (min SBTi pace*)	FY2030 near-term target	FY2050 long-term (net-zero)	Notes / SBTi criterion
Scope 1 absolute	292.58 tCO_2e	207.16 tCO_2e (−29.2%)	170.03 tCO_2e (−42%)	≤29.26 tCO_2e (−90%)	Near-term C18/C20; Net-zero V1.2 ≥90% cut. Science Based Targets Initiative
Scope 2 (market-based) absolute	403.07 tCO_2e	285.02 tCO_2e (−29.2%)	233.78 tCO_2e (−42%)	≤40.31 tCO_2e (−90%)	Or use renewable-electricity target below per C21. Science Based Targets
Scope 1+2 combined	695.65 tCO_2e	492.18 tCO_2e (−29.2%)	403.81 tCO_2e (−42%)	≤69.57 tCO_2e (−90%)	Meets 1.5°C absolute contraction (4.2%/yr). Science Based Targets

Scope 3 total absolute	61.56 tCO_2e	50.74 tCO_2e (−17.5%)	46.17 tCO_2e (−25%)	≤6.16 tCO_2e (−90%)	Applies because Scope 3 ≈89% of total; min WB2°C pace (2.5%/yr). Science Based Targets Initiative
Renewable electricity (Scope 2 alternative)	0 kWh	≥80% RE by CY2025	100% RE by CY2030	Maintain 100%	Active sourcing via RECs/PPAs; qualifies under C21. Science Based Targets
Supplier engagement (Scope 3)	—	Commit by FY2029–30	—	—	Ensure suppliers/customers covering ≥67% of Scope 3 have SBT-aligned targets within 5 years of submission. Science Based Targets Initiative
Boundary & coverage	—	—	—	—	Cover ≥95% of Scope 1+2 and ≥67% of Scope 3 in targets; exclude ≤5% only if justified. Science Based Targets+1

4. Statement of Uncertainty

Classic Printing acknowledges potential uncertainties in GHG data due to:

- Use of regional/national emission factors.
- Limited upstream/downstream activity data.
- Estimation models for transportation and product end-of-life.

Estimated uncertainty margin: ±10% for Scope 1 & 2; ±20–25% for Scope 3.

5. Conclusion

Classic Printing L.L.C. is committed to science-based climate action by setting measurable targets to reduce Scope 1, 2, and 3 emissions across all operations. We integrate greenhouse gas reduction strategies into our core business model, ensuring sustainability is central to decision-making and long-term growth. Our initiatives focus on energy-efficient technologies, renewable energy adoption, sustainable sourcing, and waste reduction, enabling us to minimize environmental impact while maintaining operational excellence. By aligning with global climate goals, we strengthen our position as a responsible printing and packaging leader in the UAE, delivering value to clients while contributing to a more sustainable future.

6. Reference

GHG Protocol Frameworks

1. GHG Protocol Corporate Accounting and Reporting Standard
   https://ghgprotocol.org/corporate-standard
2. GHG Protocol Scope 2 Guidance
   https://ghgprotocol.org/scope_2_guidance
3. GHG Protocol Corporate Value Chain (Scope 3) Standard
   https://ghgprotocol.org/standards/scope-3-standard
4. GHG Protocol Product Life Cycle Accounting and Reporting Standard
   https://ghgprotocol.org/product-standard
5. GHG Protocol Emission Factors from Cross-Sector Tools
   https://ghgprotocol.org/calculation-tools/all-tools

Scientific and Regional Climate Reports

1. IPCC AR6 Synthesis Report: Climate Change 2024
   Comprehensive insights into global mitigation, carbon budgeting, and risks.
   https://www.ipcc.ch/report/ar6/syr/
2. UAE Climate Change Reports (Ministry of Climate Change & Environment, UAE)
   National policies and strategies aligned with UAE Net Zero by 2050.
   https://www.moccae.gov.ae
3. Dubai Climate Change Reports
   Highlights UAE's climate action roadmap and sustainable development initiatives.
   https://www.dubaipulse.gov.ae (search: "climate change")
4. ISO 14064-1:2018 – Greenhouse gases — Specification with guidance at the organization level
   https://www.iso.org/standard/66453.html

7. Emission Factors & References

Scope 1 (Fuel Combustion – Generators, Vehicles, Printing Equipment)

GHG Emission Factor	Source
CO_2 (diesel combustion) – 2.68 kg CO_2/litre	IPCC 2006 Vol 2, Table 2.3
CH_4 (diesel combustion) – 0.0001 kg CH_4/litre	IPCC 2006 Vol 2, Table 2.3
N_2O (diesel combustion) – 0.00003 kg N_2O/litre	IPCC 2006 Vol 2, Table 2.3
GWP Values – CO_2=1, CH_4=27.2, N_2O=273	IPCC AR6 (2021)

11. Scope 2 Quantification

Emission Factor	Source
0.43 tCO_2/MWh (UAE average grid factor – DEWA/FEWA estimates, 2023)	UAE Ministry of Energy & Infrastructure; IEA 2023

12. Scope 3 Quantification

Category	Activity Data	Methodology	Source
Purchased Goods & Services	Paper, ink, packaging procurement (kg, tonnage, spend data)	EEIO (Environmentally Extended Input-Output) Model	DEFRA 2023
Fuel & Energy Related (not in Scope 1 & 2)	Transmission & distribution losses (UAE grid)	DEFRA	DEFRA GHG Conversion Factors (2023)
Upstream Transportation & Distribution	Distance × Weight (km × tons of paper, ink, packaging)	DEFRA Freight Emission Factors	DEFRA 2023
Waste Generated in Operations	Paper, ink residue, packaging waste (kg)	Waste-to-landfill & recycling emission factors	DEFRA 2023
Business Travel	Air & road travel logs (distance × passenger)	DEFRA Air & Road Travel Emission Factors	DEFRA 2023
Employee Commuting	Staff survey (distance, mode)	DEFRA Commuting Factors	DEFRA 2023
Downstream Transportation & Distribution	Customer deliveries (ton-km)	DEFRA Road Freight Factors	DEFRA 2023
End-of-Life Treatment of Sold Products	Printed paper, packaging materials (recycling/disposal factors)	DEFRA Waste Management Emission Factors	DEFRA 2023

Acknowledgement of Receipt for GHG Emission Report

I hereby acknowledge that I have received a copy of the GHG Emission Report. I understand that it is my responsibility to thoroughly read the contents of the GHG Emission Report and adhere to the policies, rules, and regulations outlined therein.

By signing below, I confirm my commitment to comply with the principles and guidelines stated in the GHG Emission Report.

Signature **:**

Name **:** Rheshith Mohandas

Date **:** 17th June, 2025