

GHG Assessment FY 2022-23



GUJARAT AMBUJA EXPORTS LIMITED
NURTURING BRANDS

Envint
Business for Better

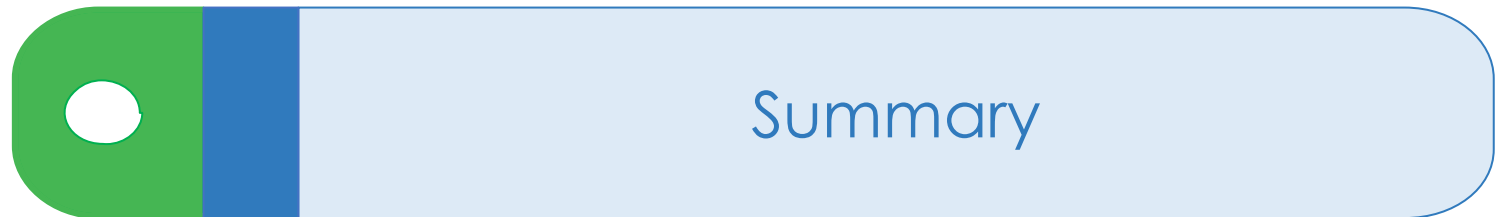
CONTENTS



Methodology



GHG Assessment



Summary

Methodology



- Plan out an extensive GHG inventorization plan
- Outline the extent of the organization's responsibility for GHG accounting



- Identify data requirements and preferred methods for data collection
- Validate the data to avoid discrepancy



- Formalize data collection procedures and document process
- Calculate the data with the applicable standards and guidelines



- Finalize data & analyze it with year-on-year GHG reduction
- Report data as needed

Reference Frameworks - GHG Assessment



Scope 1

GHG Protocol, India GHG Program (2013, 2015),
Sector specific guidelines if applicable

Emission factors (EF) and Global Warming Potential (GWP) as per IPCC country-specific recommendations and EEIO guidelines

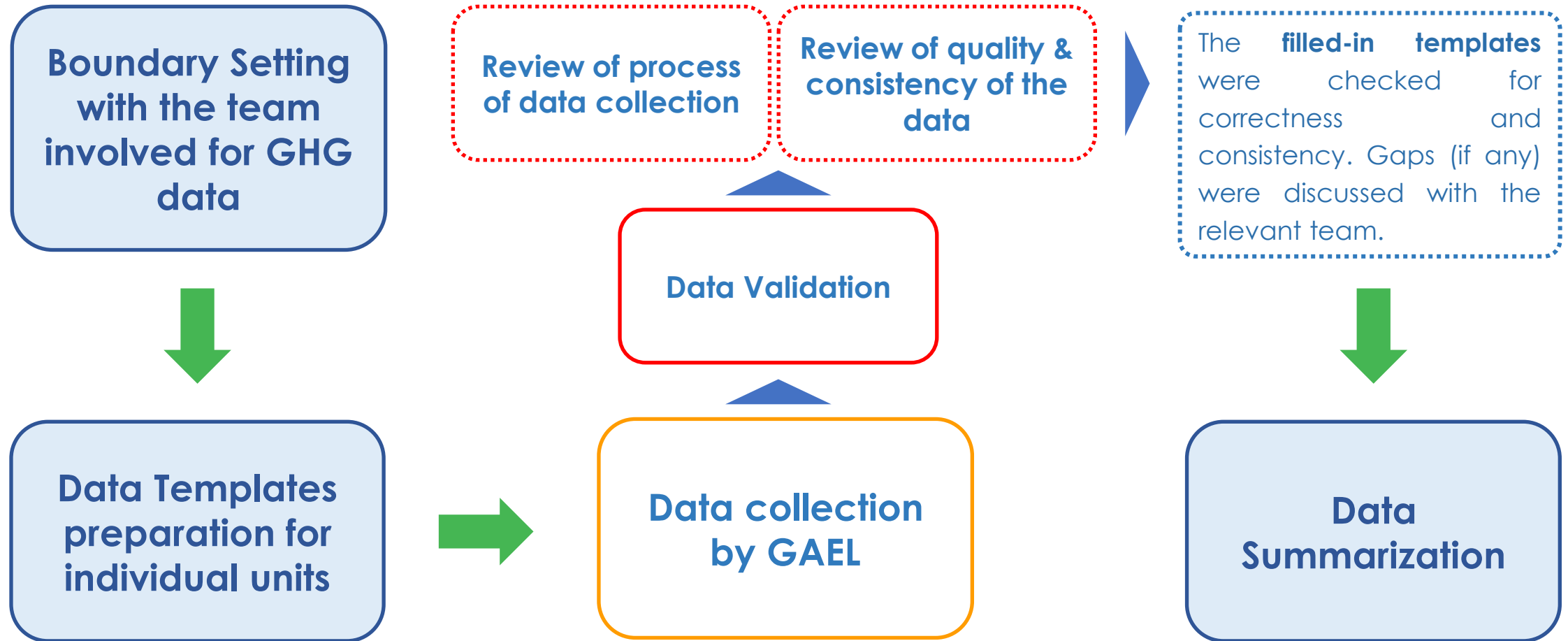
Scope 2

Emission factors (EF) as **per IPCC country-specific recommendations and EEIO guidelines**

Scope 3

GHG Protocol, India GHG Program (2013, 2015),
Sector specific guidelines if applicable

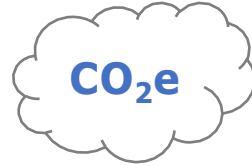
Data Workflow



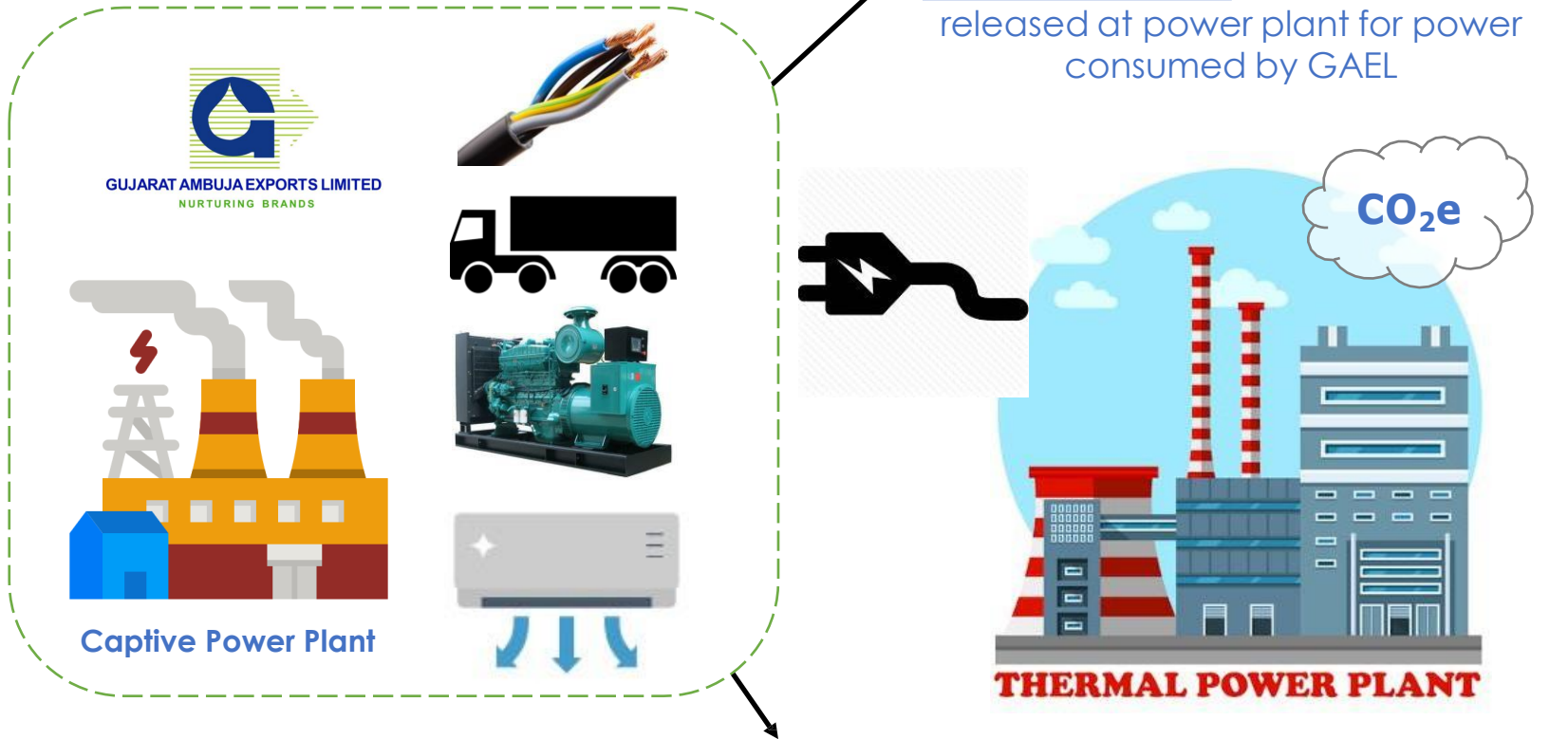
- Templates circulated to the teams

GHG Emissions | Scope of Assessment

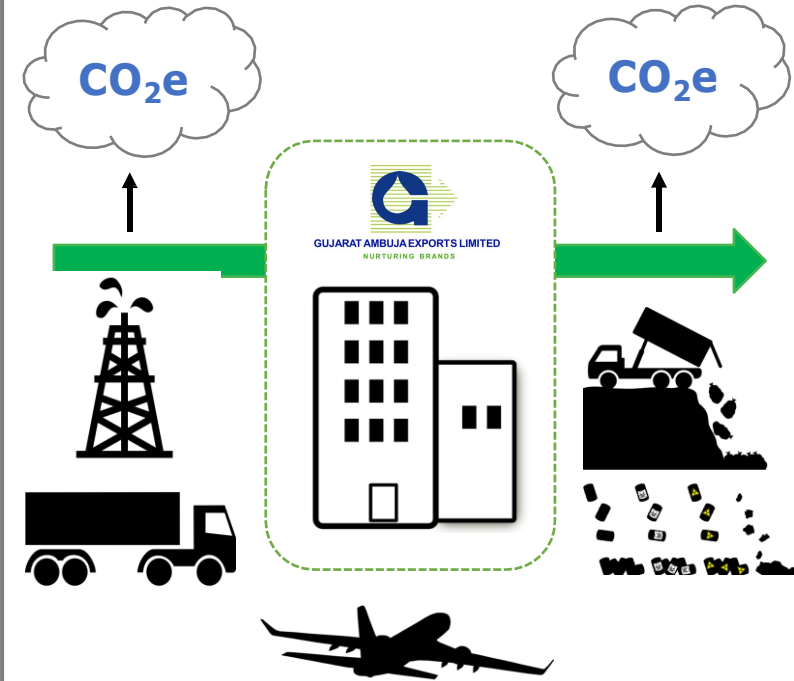
Scope 1 Emissions: Directly released into air (eg., GHG emissions from manufacturing, DG sets, vehicles, AC's owned/controlled by GAEL



Scope 2 Emissions: Indirect emissions released at power plant for power consumed by GAEL



Scope 3 Emissions: Indirect emissions released through value chain operations outside the business boundaries of GAEL



Not owned/controlled by GAEL, but indirectly responsible

GHG Assessment (1/3)

Emission Summary

Summary	FY 2021-22 (TCO2e)	FY 2022-23 (TCO2e)
Scope 1	4,48,619	6,71,895
Scope 2	37,217	24,638
Scope 3	15,552	22,532
Total	5,01,388	7,19,065

Emission Savings

Renewable Energy	FY 2021-22 (TCO2e)	FY 2022-23 (TCO2e)
Solar	1,656	5,735
Wind	2,366	6,572
Biogas	-	15,088
Total	4,022	27,395

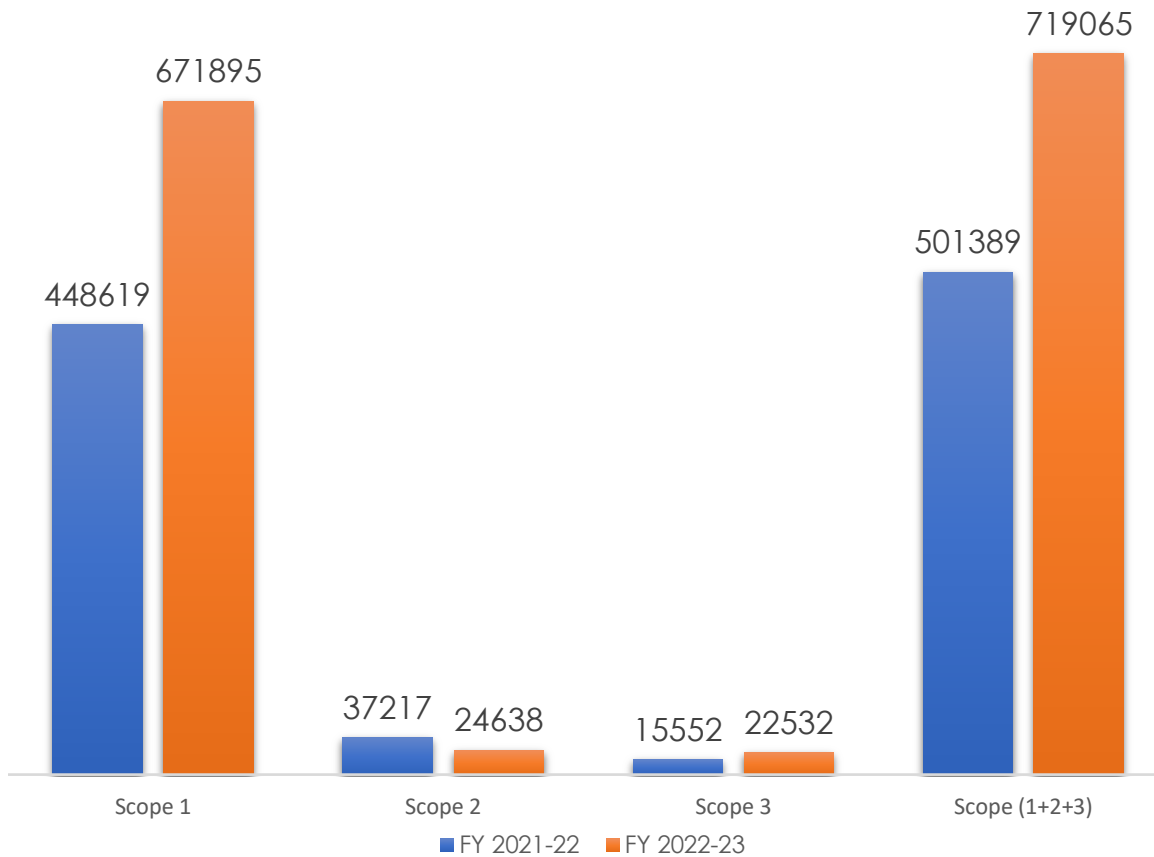
GHG Accounting for 9 plants and 1 Corp. office PAN India.



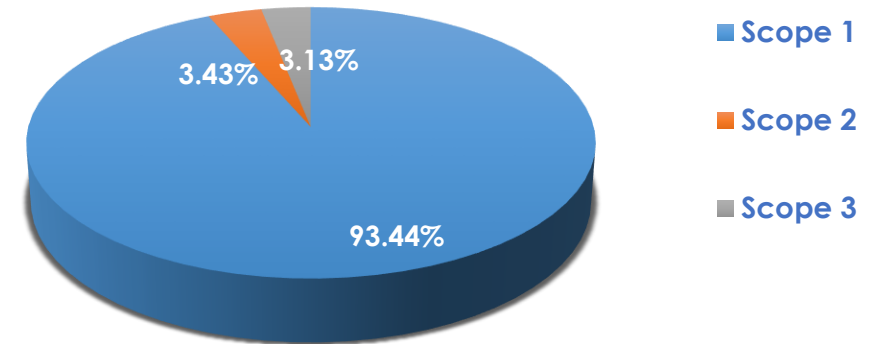
GHG Assessment (2/3)

GHG Assessment (Y-O-Y)

TCO₂e



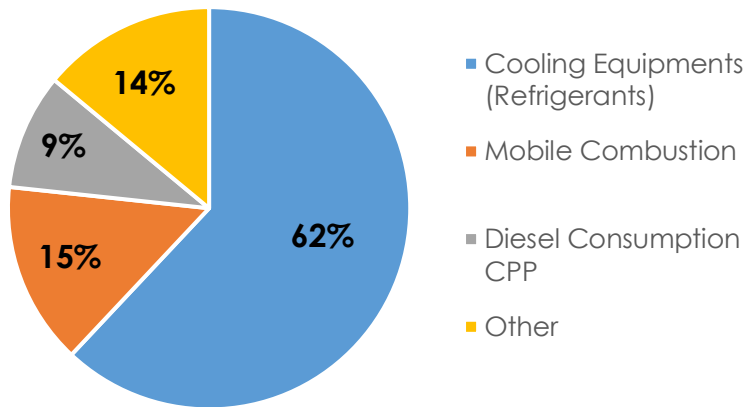
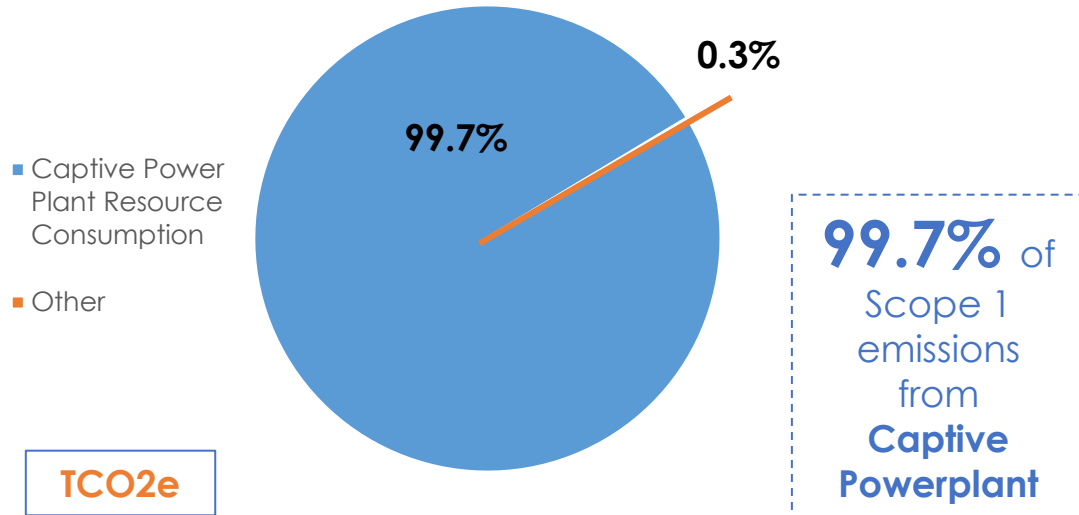
Percentage Breakdown FY 23



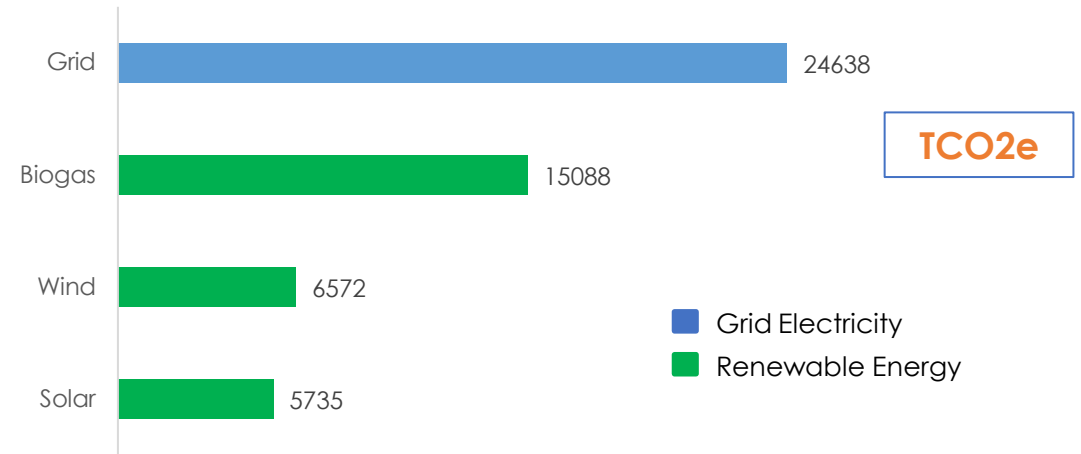
93% of emissions from **Scope 1**

GHG Assessment (3/3)

Scope 1 Breakdown (FY 23)



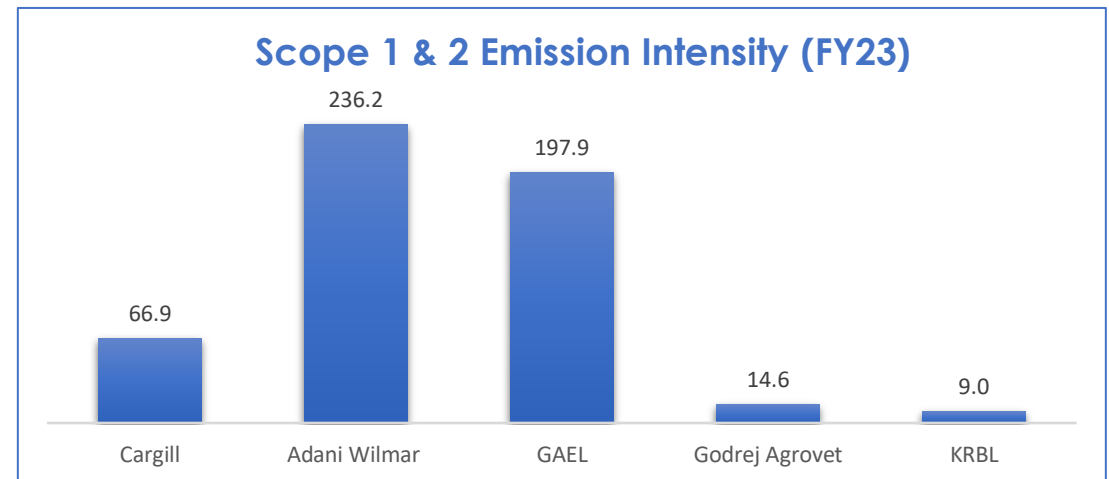
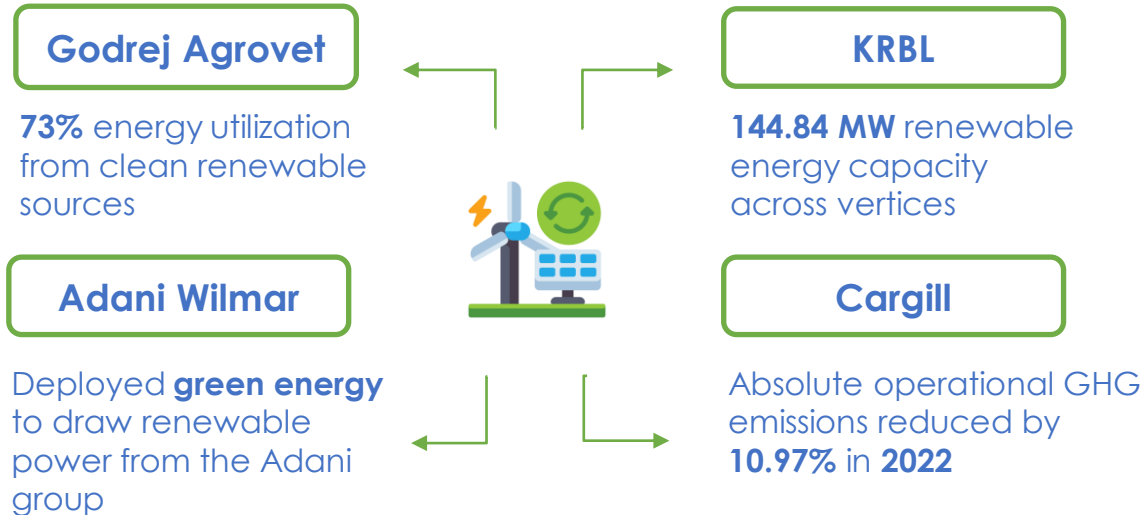
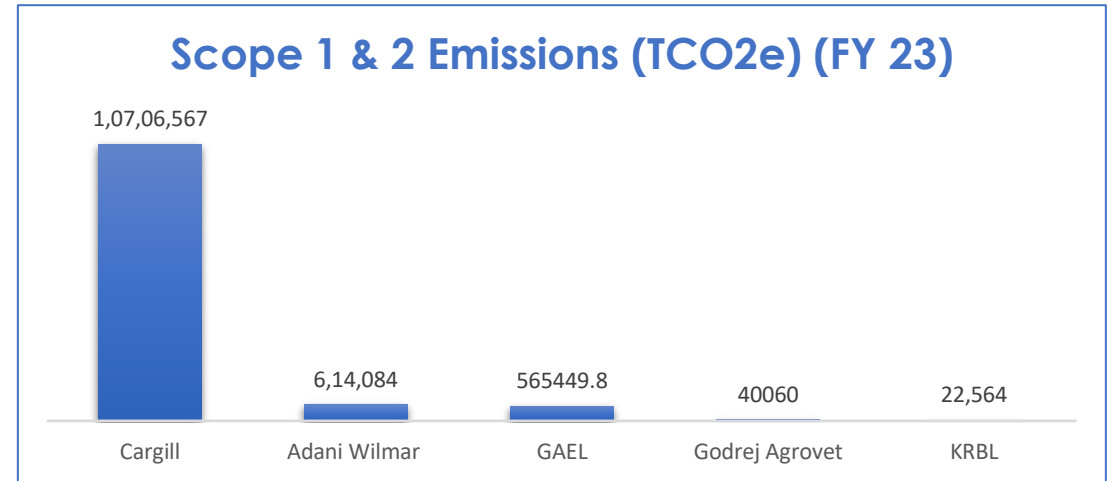
Scope 2 Breakdown (FY 23)



Scope 3 Breakdown (FY 23)



Peer Highlights



Summary

7,19,065 TCO2e is equivalent to about:



5,330 Flights from Delhi to New York



20,504 Trains from Kashmir to Kanyakumari



2,87,62,616 trees per year



6,19,88,396 Cubic feet of concrete

Peer targets



90% renewable energy by **2026**



10% emission reduction from operations by **2025** & **30%** from global supply chain by **2030**



Net Zero in line with **SBTi**

Assessment Summary



**Company's Footprint*



DISCLOSURE INSIGHT ACTION

**Maiden CDP Report*

Next Steps



Enhancements of Reports

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