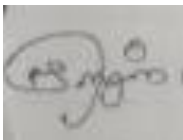
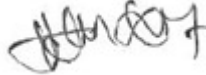


[Attachment 1]

Greenhouse Gas Reduction plan of Hyundai Motor Group and Kia Suppliers

[Bharat balancing weights & co]
[2025]



Safety Officer	Maintenance Head	HR Head	Plant Head	Managing Director
Mr Rangaraj	Mr Sivakumar	Mr Eswaramoorthy	Mr Satheeskumar	Mr Ganapathi subramaiaam
				

Greenhouse Gas Reduction plan of Hyundai Motor Group and Kia Suppliers

**[Bharat balancing weights & co]
[2025]**



Revision date	Revision details	Person in charge	Department
1.4.2025	Initial release	Surya balan	ESG
1.1.2026	Revision	Surya balan	ESG

4 Reduction Information

Baseline Year for Reduction

Baseline Year for Reduction	
☒ 2019	☐ Other (Reason:)

2019 Emission vs 2030 Emission (Use Reduction plan calculator)

2019 Scope1 Emission	2019 Scope2 emission	2019 Total emission	Target Reduction to achieve by 2030 from 2019	2030 Target Scope 1 Emission	2030 Target Scope2 Emission	2030 Target Total Emission
13	170	184	15% (Fixed do not change)	11	145	156

Reduction Status for 2024 vs 2025 (Use Reduction plan calculator)

2024 Total Emission	2024 Scope1 emission	2024 Scope2 Emission	Reduction Target (2024 vs 2025) (set by your org)	2025 Total Emission	2025 Scope 1 emission	2025 Scope 2 Emission	Achievement Rate (2024 vs 2025)
368.41	13.53	354.88	25%	179.8	29.29	150.51	104.9%

Reduction Status for 2025 vs 2019

Reduction Status for 2025 vs 2030

2019 Total emission	2025 Total Emission	Achievement Rate (2019 vs 2025)		2030 Total Emission	2025 Total Emission	Required Reduction to achieve 2030 target from 2025
183.5	179.8	2%		155.975	179.8	13.01%

Reduction Plan (From 2025 to achieve 2030 target)

Plan No.	Site No. (1p)	Emission facility name	Introduction year	Completion year	Activity type	Reduction effect		Investment performance		Expected lifespan (Year)
						Annual expected GHG reduction	Annual cost saving (INR)	Total investment (INR)	Payback period (Year)	
1	1	Clean electricity	2025	2026	Renewable energy use	300 T co2eq	15 L/Annum	.2 cr	1 year	20

Reduction Performance (Project done until 2025)

Plan No.	Site No. (1p)	Emission facility name	Reduction performance	Reduction effect		Investment performance		Expected lifespan
			Activity type	Annual expected GHG reduction	Total investment	Total investment	Investment performance	
1	1	Clean Electricity	Solar - RE	380 Tco2eq	2.5 Cr/ Annum	2.5 Cr/ Annum		20 yr

Annual Reduction Plan and Performance (Use Reduction plan calculator)

Year	Emissions of the previous year (Tco2Eq)	Reduction amount (Tco2Eq)	Reduced emissions (Tco2Eq)	Reduction Rate(%)
2025	368	50	318	-101%
2026	318	60	258	-74%
2027	258	40	218	-41%
2028	218	70	148	-19%
2029	148	40	108	19%
2030	108	50	58	41%

Current Status and Plan for Renewable Energy Use

Current Status of Renewable Energy Use (Direct Use Only)								
No.	Year of establishment RE Usage	Contract duration (Years)	Energy Type	Mode	Installation location	Installed capacity (MW)	Share of total energy requirement	Renewable energy production (kwh/m ² ·yr)
1	2024	25	In house	capex	Site roof	0.4 MW	25 %	275
2	2025	1	Wind power	captive	Thirunelveli	1.25 MW	50 %	NA

Plan for Renewable Energy Use (Direct Use Only)								
No.	Implementation Year	Contract duration (Years)	Energy Type	Mode	Installation location	Installed capacity (MW)	Share of total energy requirement	Renewable energy production (kwh/m ² ·yr)
1	2025	1	Wind & solar	Captive	Thirunelveli	1.25 MW	25 %	NA

4-1

Detailed Reduction Plan

*Complete for each reduction plan

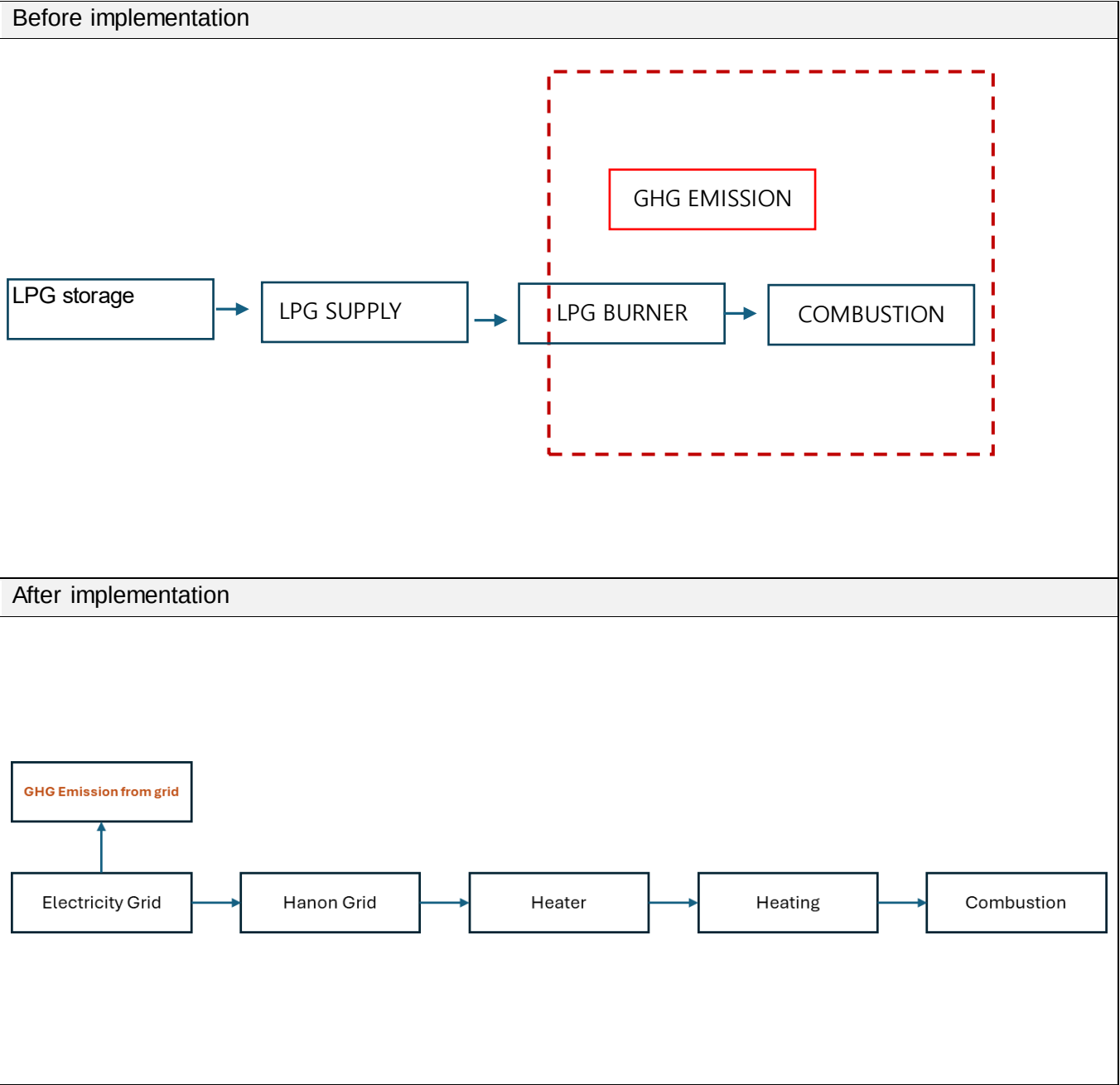
Overview

Reduction plan No.	Objective and description of activity	Expected schedule	Annual emission saving Performance
1	Conversion of LPG to electric Heater	Start date: july'2026 Completion Date: oct2026	9.33 T CO2eq (Saved)

Details

Reduction facility and technology
Reduction facility: LPG to Electric Heater Conversion facility Principle: Replacing LPG Fueled heaters with energy efficient electric heaters reducing greenhouse gas emission by eliminating combustion of fossil fuels. Reduction Effect: Reduction in CO2 elimination due to elimination of direct combustion of LPG Overall improvement in energy efficiency and shift towards cleaner energy Quantity: LPG heaters to be replaced : 5 Heaters Annual operation hours per heater = 1200 hours / year Energy Consumption by LPG Heater = 5 No's * 5 KW * 1200 Hr/Year = 30,000 Kwh/Year Capacity Calculation: Rated Capacity of Electric Heater = 4.5 KW Total no of Electric Heater Required = 30000 / 4.5 KW*1200 = 5.5 Total no of Electric Heater Required = 6 Heater.

Process Diagram (Include a schematic for comparison and indicate the location of reduction facility)



Expected GHG Emission Reduction Effects

No.	GHG emissions before improvement		GHG emissions after improvement (planned)		Expected effect
	GHG type	Annual CO ₂ equivalent (tCO ₂ e/yr)	GHG type	Annual CO ₂ equivalent (tCO ₂ e/yr)	GHG reduction amount
1	CO ₂	12.196	CO ₂	2.864	9.33
2	CH ₄	0.246	CH ₄		
3	N ₂ O	0.012	N ₂ O		
4	Total (TCO ₂ Eq)	12.196	Total (TCO ₂ Eq)	2.864	

Calculation of GHG Reduction Amount and Payback Period

Calculation of emissions before reduction
Total Fuel used / annum: 4,000 kg GHG Emission = Fuel consumption * Gross calorific value * Emission factor * GWP CO₂ = 4,000*47.3*63100*1 / 1000000000 = 11.938 CH₄ = 4,000 * 47.3 * 62 * 21 / 1000000000 = 0.246 N₂O = 4,000 * 47.3 * 0.2 * 310 / 1000000000 = 0.012 Equivalent Co₂ = 12.196

Calculation of emissions after reduction

Total Electricity used / annum: 6,000 Kwh

GHG Emission = Electricity Consumption * Emission factor

Co2 Emission = 6000 * 0.7134 = 4.28

Renewable energy share = 33%

CO2 Emission = 4.28 * 67% = 2.864 Tco2

Calculation of payback period

Total Investment = 1.5 Crore INR

Cost saving from fuel elimination = Fuel consumption / annum * Fuel cost
= 4,000 kg * 90 INR = 3,60,000 INR

Cost from using electricity = Electricity consumption * Electricity cost
= 6000 kwh * 8.14 INR/KWH = 48,840 INR

Cost saving = 3,60,000 – 48,840 = 3,11,160 INR

Payback = Total investment / Cost saved = 48 Years

GHG emissions monitoring system (measurement)

We will be measuring the electricity usage through the energy meter fixed at the machine
Frequency of measurement = Daily

GHG emissions monitoring methods

Data from energy meter will be logged in to the monthly energy usage log
Energy will be converted to GHG Emissions using GHG tracking excel sheet

Overview

Reduction plan No.	Objective and description of activity	Expected schedule for implementation	Annual emission saving Performance in Tco2Eq
2	Use RE for instead of EB power	01.09.2025	300 TCO2eq

Details

Reduction facility and technology

Reduction facility:

Wind energy procurement via Third party.

Technology involved:

Wind turbine and inverters.

Principle of operation:

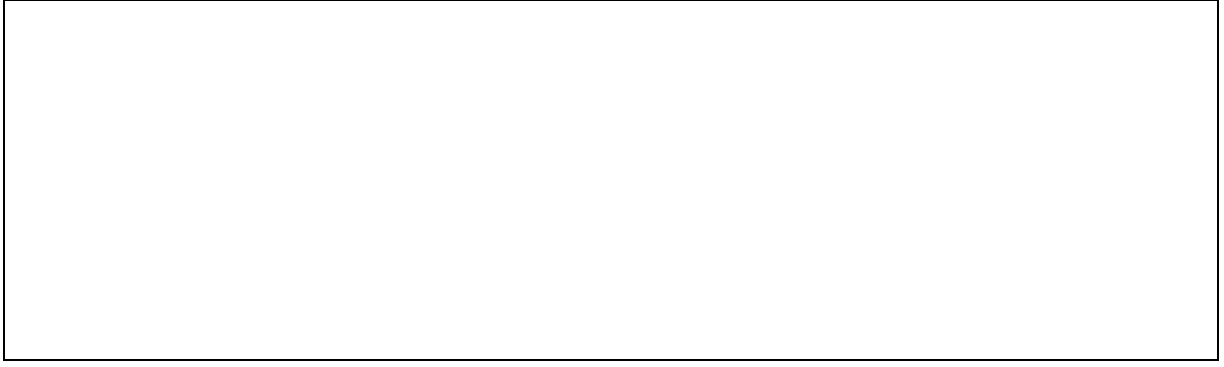
Kinetic energy of wind is converted into electricity via turbines.

Reduction efforts:

Procuring wind energy through a group captive model.

Capacity:

Total energy expected to be 150000 per month

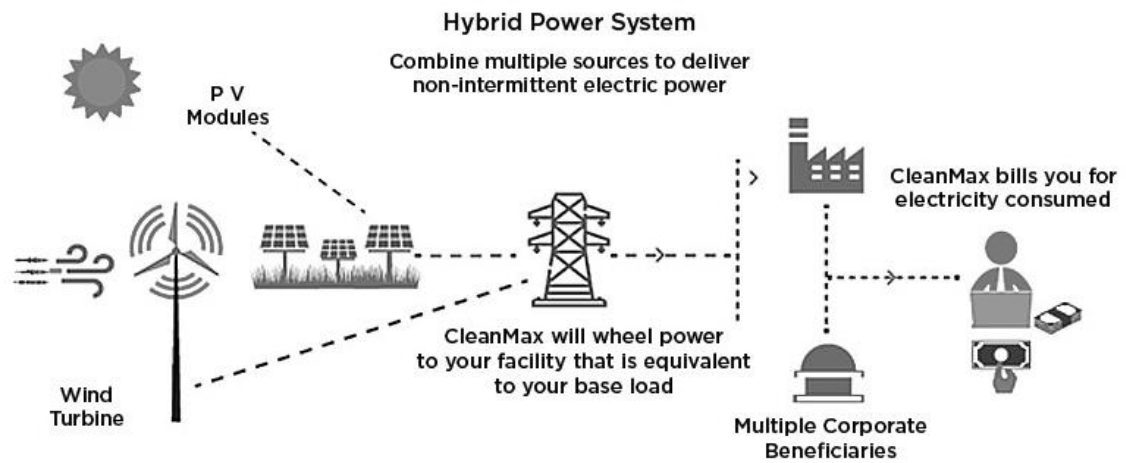


Process Diagram (Include a schematic for comparison and indicate the location of reduction facility)

Before implementation
The electricity power utilized by our industry is sourced from the Tamil nadu electricity board (TNEB).
After implementation
Procurement of electricity from renewable energy through a third-party captive power arrangement involves sourcing power from a renewable energy.

Facility Installation Photos

Facility photos



Expected GHG Emission Reduction Effects

No.	GHG emissions before improvement		GHG emissions after improvement (planned)		Expected effect
	GHG type	Annual CO ₂ equivalent (tCO ₂ e/yr)	GHG type	Annual CO ₂ equivalent (tCO ₂ e/yr)	GHG reduction amount
1	CO ₂	428.94	CO ₂	0	100 %
2	CH ₄		CH ₄		
3	N ₂ O		N ₂ O		
4	Total (TCO ₂ Eq)	428.94	Total (TCO ₂ Eq)	0	100%

Calculation of GHG Reduction Amount and Payback Period

Calculation of emissions before reduction
<i>GHG emissions before reduction from Electricity 600000 KWH / year.</i> <i>TCO₂Eq = 600000 KWH / year X 0.71 Co₂ = 428.94 TCO₂Eq</i>

<i>RE from Wind captive (600000 KWH / year) = 0 TCO₂Eq</i>
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Calculation of payback period
NA

GHG emissions monitoring system (measurement)
<i>Measuring instruments used for GHG emissions measurement (power meters) from TNEB bill</i>

GHG emissions monitoring methods
<i>Monthly EB bill</i>

Maintenance and management plan for installed facility
NA

Operation plan for maintenance personnel
NA

Other
NA

5

Optional Information

Organizational Boundary (Attach Ownership and Governance Structure Separately)

List of all entities or facilities in which the reporting company holds equity, financial control, or operational control.	Equity ownership of the entity	Does the reporting company have financial control?	Does the reporting company have operational control?
		(Yes/No)	(Yes/No)
		(Yes/No)	(Yes/No)
		(Yes/No)	(Yes/No)
		(Yes/No)	(Yes/No)

Emission Information

Emissions categorized by type	
Scope 1: Direct carbon emissions from owned/controlled operations	Scope 1 emissions
a. Direct emissions from stationary combustion	
b. Direct emissions from mobile combustion	
c. Direct emissions from processes	
d. Fugitive direct emissions (refrigerants)	
Scope 2: Indirect emissions from purchased electricity, steam, or heat	Scope 2 emissions
a. Indirect emissions from purchased/acquired electricity	
b. Indirect emissions from purchased/acquired steam	
c. Indirect emissions from purchased/acquired heat	

GHG emissions not covered by the Kyoto Protocol (e.g., CFCs, NOx,)

Related ratio performance indicators (e.g., GHG emissions per revenue, reduction % compared to the previous year)

Information on excluded emissions from baseline year recalculation (e.g., process changes, efficiency improvements, plant closures, and acquisitions)

GHG emissions data for all years between the baseline year and reporting year (including detailed information and reasons for recalculation, if applicable)

Additional Information

Information on all internal documents addressing GHG-related responsibilities and roles

Details on inventory quality (e.g., causes and magnitude of uncertainties in emission estimates) and overview of internal documents implemented to improve inventory quality

Status of other Certification		
Certification	Availability (Yes / no)	Target Date
ISO 45001	Yes	
ISO 14001	Yes	
ISO 50001	Planned	30/08/2026
ISO 27001	Yes	
ISO 36001	yes	

[Attachment 2] **Corporate Vehicle Summary (We don't have company owned vehicle)**

[illegible]