

ANNUAL GHG EMISSION REPORT

APRIL-25
TO
MARCH-26



MODISON LIMITED



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Report on Dated:	20.04.2026	Report No.	03/2025-2026
Period Covered:	April-2025 to March-2026	Report Prepared By:	Bapu Ghandat (Unit Head)

A. Introduction Of Organization:

MODISON was founded as a trading unit in 1965, by Mr. G. L. Modi, to deal in tool steels and export of engineering and general merchandise. A decade later in 1975, Mr. G. L. Modi established the first manufacturing facility in Mumbai (Bombay) for refining of silver and started exporting large quantities of refined silver to renowned bankers and dealers in Europe and U.S.A. MODISON was instrumental in establishing '999' Good Delivery Silver Bars status in India for bullion trading. Within two years after starting silver refining, the company's founder realized the vast potential for Electrical Contacts and Contact Materials in switchgear industry and thus facilities were added to manufacture silver and silver alloy wires, plates, strips and solid / bimetal contacts. This was the beginning of MODISON's contacts manufacturing at Mumbai. The company soon realized that in order to cater to the market needs, the company must have a sound technical and R&D back-up. With this in mind the company signed up technical collaboration with DODUCO KG, Pforzheim, Germany, in 1983, the world's leading manufacturer of contact materials. From 1983 till 1996 MODISON had technical collaboration with DODUCO. The excellent technical support from DODUCO helped MODISON develop many hi-tech products, which were hitherto, imported by Indian Switchgear Industry.



B. Purpose

The purpose of this report is to assist understanding the accounting and reporting of GHG emission. It is commitment to transparency and its defense of a sustainable growth that respect to environment. The purpose of this report to know the ghg inventory level, and work towards reducing our ghg emissions as a responsible organization and work towards meeting the net zero target by 2040.



MODISON LIMITED	Modison Limited	Doc. No.	: F/MGT/11
	Carbon Footprint Report (GHG Emission)	Rev. No.	: 00
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C. Organizational Boundaries

The initial stage in establishing a carbon footprint involves defining the organizational boundaries. This process recognizes that companies exhibit diversity not only in their legal framework but also in their organizational structure, encompassing activities ranging from in-house operations to alliances, subcontractors, and various other forms of engagement. Through the definition of organizational limits, a company chooses a method to aggregate its greenhouse gas (GHG) emissions

We have taken into account emission from,

MODISON LIMITED

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D. Reporting Boundary

The company has criteria determined by the organization to define significant emissions.

Scope 1 emissions (direct emissions): Emissions that result from the activities that the organization controls. Examples of the processes that can generate them:

- Stationary combustion through LPG/PNG/NG consumption and diesel.
- Mobile combustion through Fuels used in Owned vehicles.
- Fugitive emissions that result from intentional or unintentional releases such as refrigerants used in air conditioning.

Scope 2 emissions (indirect emissions): emissions from the organization due to the use of electricity acquired from outside.

The period covered under this report is from **April'2025 to March'26** and will be updated once a year.

The carbon footprint quantification is carried out as per **ISO 14064-1:2018** standard, the detailed calculations are carried out in MS excel and attached to this report

Inventory Year: April 2025 to March 2026

Responsible person for reporting:

Mr. Bapu Ghandat (Unit Head) is responsible for preparing the annual GHG emission report and gathering data for one year and producing report of GHG emissions.



E. Data selection and collection used for the quantification

GHG Scope	Data type	Unit	Data source	Frequency of collection
Direct emissions (Scope 1)	Natural Gas consumption	SCM	Gas Bill	Monthly
	Diesel (HSD) Consumption	Kilo liters	Diesel Bill	Monthly
Indirect emission (Scope 2)	Electricity consumption	Kwh	Bills from electricity service provider reports	Monthly

F. Conversion Factors used for the Calculation

Data type	Input Unit	Output Unit CO ₂ e	Conversion Factor	Reference
Scope 1				
Diesel	KL	MT	74.1	India GHG Program Emission Factor Database (Rev. 01, April 2022), 2006 IPCC Guidelines (2019 Refinement where applicable), ISO 14064-1:2018
Natural Gas	SCM	MT	56.13	India GHG Program Emission Factor Database (Rev. 01, April 2022), 2006 IPCC Guidelines (2019 Refinement where applicable), ISO 14064-1:2018
Scope 2				
Electricity	Kwh	MT	0.72	India GHG Program Emission Factor Database (Rev. 01, April 2022), 2006 IPCC Guidelines (2019 Refinement where applicable), and CEA Grid Emission Factor for purchased electricity, ISO 14064-1:2018

G. Scope 1 Direct GHG Emission Co2 equivalent

	Type & Its Consumption		Month	TCO ₂ Emission
	Diesel in LTR	Natural Gas (SCM)		
	880	351	April-25	85
	-	549	May-25	31
	910	598	June-25	101
	350	563	July-25	58
	800	523	Aug-25	89
	360	482	Sep-25	54
	770	481	Oct-25	84
	800	504	Nov-25	88
	540	490	Dec-25	67
	400	466	Jan-26	56
	890	440	Feb-26	91
	400	482	Mar-26	57
Total	7100	5929		859



H. Scope 2 Indirect GHG Emission Co2 equivalent

	Type & Its Consumption	Renewable Energy (Solar)	Month	Scope Co2 Emission
	Electricity KWH	KWH		
	613734	7460	April-25	442
	648303	7010	May-25	467
	619514	5180	June-25	446
	626187	4270	July-25	451
	577374	4200	Aug-25	416
	619611	4080	Sep-25	446
	620448	4820	Oct-25	447
	551244	6060	Nov-25	397
	587668	5920	Dec-25	423
	560422	5360	Jan-26	404
	556039	5170	Feb-26	400
	499257	6640	Mar-26	359
Total	7089801			5097



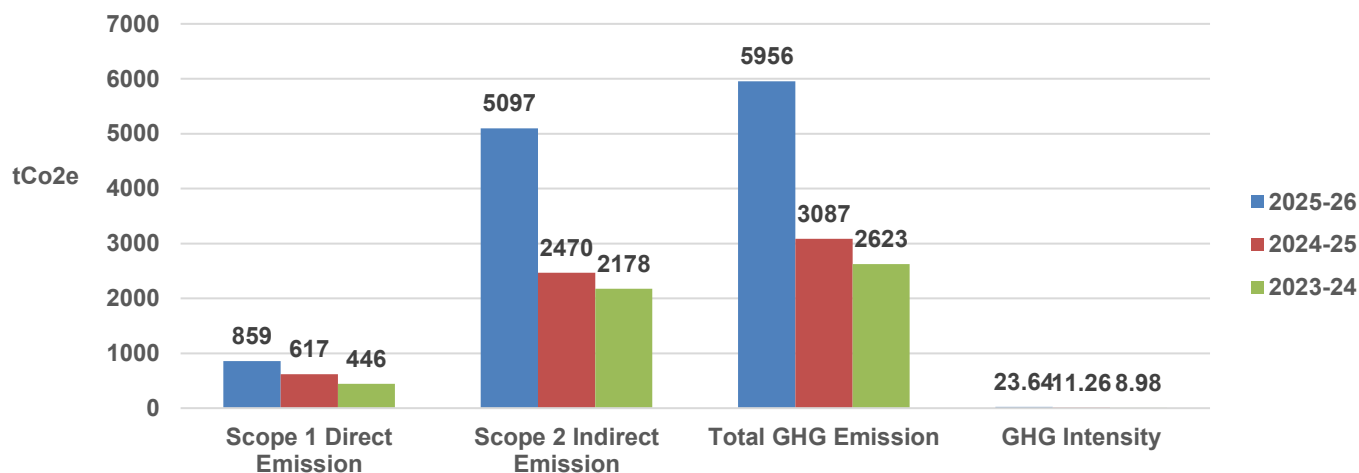
I. Overall summary of GHG Emissions (CO2 equivalent)

Emission Type	2023-2024 tCO2 Eq.	2024-2025 tCO2 Eq.	2025-2026 tCO2 Eq.
Scope 1	446	617	859
Scope 2	2178	2470	5097
Total GHG Emission (Scope 1 & 2)	2623	3087	5956
Total Production in MT	292	274	252
GHG Intensity tCo2e/MT	8.98	11.26	23.64

Objective

	Base Year April 2024 to March 2025	Target till 31 st Dec 2030
Reduce 2% tCo2 emission for Scope-1	617	604
Reduce 2% tCo2 emission for Scope-2	2470	2420
Reduce 2% GHG Intensity	11.26	11.03

GHG Emission



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J. Area for improvement / GHG reduction initiative:

Action Plan for the year 2025-26 to reduction of GHG emissions.

- Increase Solar energy capacity
- Greenbelt development
- Installation of battery-operated stacker
- Reused of waste
- Reduce paper consumption, and increase documents control in electronic media
- Procurement of latest technology and low energy consuming equipments

Report Approved By

Bapu Ghandat




Unit Head