

20 MICRONS



GHG EMISSION REPORT

20 MICRONS LIMITED

Reporting period

FY 2021 – 22

FY 2022 – 23

FY 2023 – 24

FY 2024 – 25 (April 2024 to Dec 2024)





20 MICRONS



20 MICRONS LIMITED

Overview of GHG Emissions in
Accordance with ISO 14064 & the
GHG Protocol



GREENHOUSE
GAS PROTOCOL

PFCS CO₂ N₂O HFCS CH₄ SF₆



INDIRECT
Upstream activities

- LEASED ASSETS
- WASTE GENERATED IN OPERATIONS
- FUEL AND ENERGY RELATED
- PURCHASED GOODS AND SERVICES
- BUSINESS TRAVEL
- TRANSPORTATION AND DISTRIBUTION
- CAPITAL GOODS



DIRECT

- COMPANY FACILITIES & VEHICLES



INDIRECT

- PURCHASED ELECTRICITY, STEAM, HEATING AND COOLING FOR OWN USE



INDIRECT
Downstream activities

- FRANCHISES
- INVESTMENTS
- END-OF-LIFE TREATMENT OF SOLD PRODUCTS
- LEASED ASSETS
- PROCESSING OF SOLD PRODUCTS
- USE OF SOLD PRODUCTS
- TRANSPORTATION AND DISTRIBUTION

Scope of Assessment - All locations of 20 Microns Limited is Covered

| Sr. No. | Site Name | Location | Primary Function |
|---------|-------------|---|-----------------------------------|
| 1. | Waghodia | Plot no: 347, GIDC, Waghodia, Dist.; Vadodara, Gujarat, India | Head Office and Registered Office |
| | | Plot No: 9-10, GIDC, Waghodia - 391 760, Dist: Baroda, Gujarat, India | |
| 2. | Mumbai | Hindustan Kohinoor Industrial Complex, Mumbai, Mumbai 400083 | Office |
| 3. | Vadodara | 307-308, Arun Deep Complex, Race Course, Vadodara, Gujarat | Office |
| 4. | Alwar | B-77 & B-78, M.I.A.; Matsya Industrial Area, Alwar - 301 030, Rajasthan, India. | Manufacturing Plants |
| 5. | Bhuj | Survey No: 149/P-1, 149/P-3, 156, 157, 158/P-1, 158/P-2, Village: Mamuara, Tal: Bhuj, Dist: Kachchh - 370 020, Gujarat, India | Manufacturing Plants |
| 6. | Tirunelveli | 104/3, Tenkasi Road, Village & Post - Puthur, Via - Alangulam, Dist: Tirunelveli - 627851, Tamilnadu, India. | Manufacturing Plants |
| 7. | Hosur | Plot No. 23/24, SIPCOT Industrial Area, Phase II, Near TVS School, Hosur - 635 109, Tamil Nadu, India | Manufacturing Plants |

Scope of Assessment - All locations of 20 Microns Limited is Covered

| | | | |
|-----|----------------|--|----------------------|
| 8. | Udaipur | F-232-233 & 234, Road No. 1E, MIA, Madri, Udaipur - 313 003, Rajasthan, India | Manufacturing Plants |
| 9. | Haldwani | Nr. Gola Ganpati Motors, Goraparav, Bareilly Road, Haldwani - 263139, Nainital, Uttarakhand, India | Manufacturing Plants |
| 10. | Nagor | Plot No-I I, Nagor GIDC Estate, Village- Nagor, Bhuj-Kutch - 37000I. | Manufacturing Plants |
| 11. | Parbatsar | H-116-117, IGC RIICO Industrial Area, Parbarsar, Tehsil - Parbarsar, District - Didwana-Kuchaman, Nagour, Rajasthan | Manufacturing Plants |
| 12. | Uran Raigad | Plot no: 172/2, Chinchavan Village, Panvel - 410206, Tal: Raigad, Mumbai, Maharashtra, India | Warehouses |
| 13. | Thiruvallur | Plot no: 127/2A, Thiruvallur High Road, Alamathi Village, Chennai - 600052, Tamilnadu, India | Warehouses |
| 14. | Alampur | Alampur NH - 6, New Kolorah Andul, Near Gurudwara School Compound, B S Tar Pvt. Ltd., Howrah - 711302, West Bengal, India | Warehouses |
| 15. | Mundra | Plot No: 01/02, At: Dhrub Revenue, Survey No: 81/1, Village Dhrub, Near Adani Port, Mundra - 370421, Gujarat, India. | Warehouses |
| 16. | Anantpur | 43/1, Near Tractor nagar, Garladinne, Anantpur - 515731, Andhra Pradesh, India | Warehouses |
| 17. | Koliwad Sanjan | Plant No; B1, CTS No: NA239/P1, Supertech Industrial Park, Koliwad, Village: Sanjan, Taluka: Umbergaon, District: Valsad, Gujarat – 396150, India. | Warehouses |



20 MICRONS LIMITED Align with ISO 14064 and the GHG Protocol



1. Developing Accurate GHG Inventories

We meticulously measure and document GHG emissions across all operations, ensuring our inventory includes all relevant emission sources for comprehensive coverage.



2. Implementing Emission Reduction Strategies

We identify opportunities to reduce GHG emissions, implement effective strategies to achieve these reductions, and continuously monitor and improve our processes to minimize our GHG footprint.



3. Transparent Reporting

We prepare detailed reports on our GHG emissions and reduction efforts, strictly adhering to ISO 14064 and GHG Protocol standards.



4. Third-Party Verification

To ensure accuracy and credibility, we engage third-party auditors to validate and verify our GHG data, reinforcing our commitment to transparency and accountability.

Scope 1

Direct GHG Emission

Organization-owned emissions, on-site combustion, vital for assessing, reducing the entity's GHG footprint during period.








20 MICRONS



Stationary Combustion

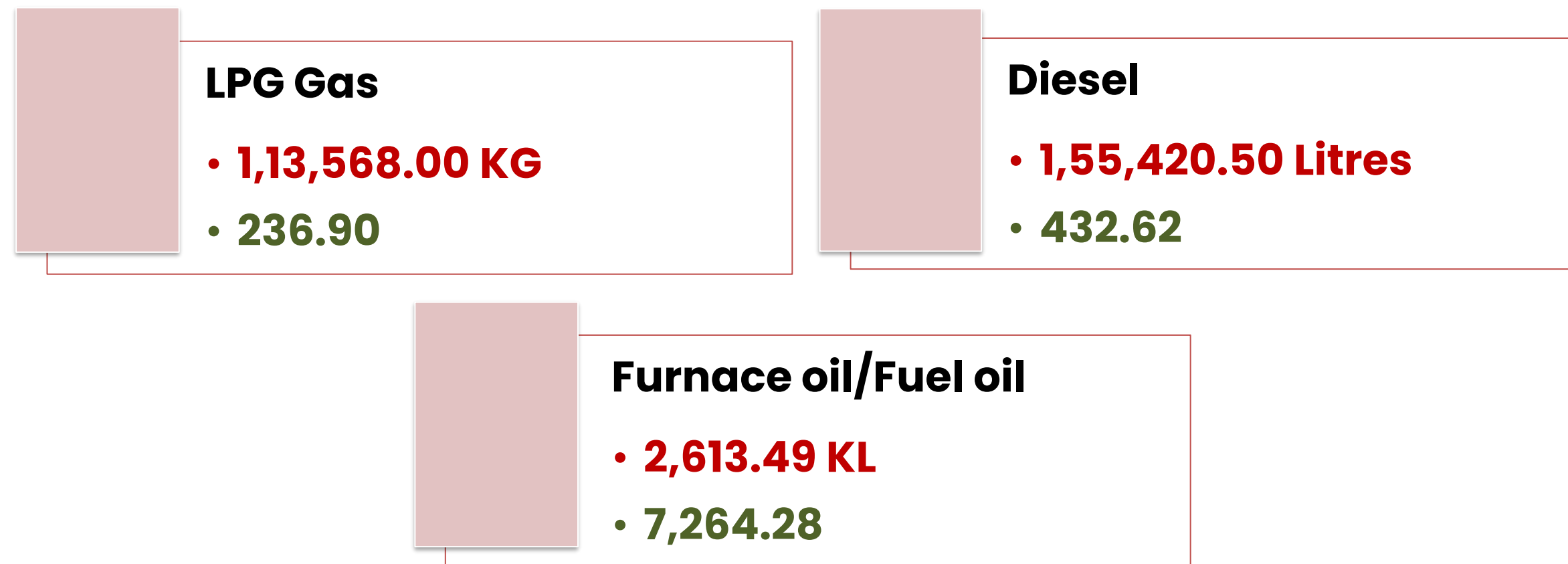
List of fossil fuel is used

|  Fuel Type |  Used In |  Primary Function |
|---|---|--|
| Diesel | Diesel Generator | Emergency/Backup Power |
| LPG Gas | Boiler | Alternative Heating Fuel |
| Furnace Oil/ Fuel Oil | Furnace | High-Temperature Heating |

Stationary Combustion

Consumption of fossil fuel

FY 2021-22



Total GHG Emission 7,933.80 TCO₂Eq

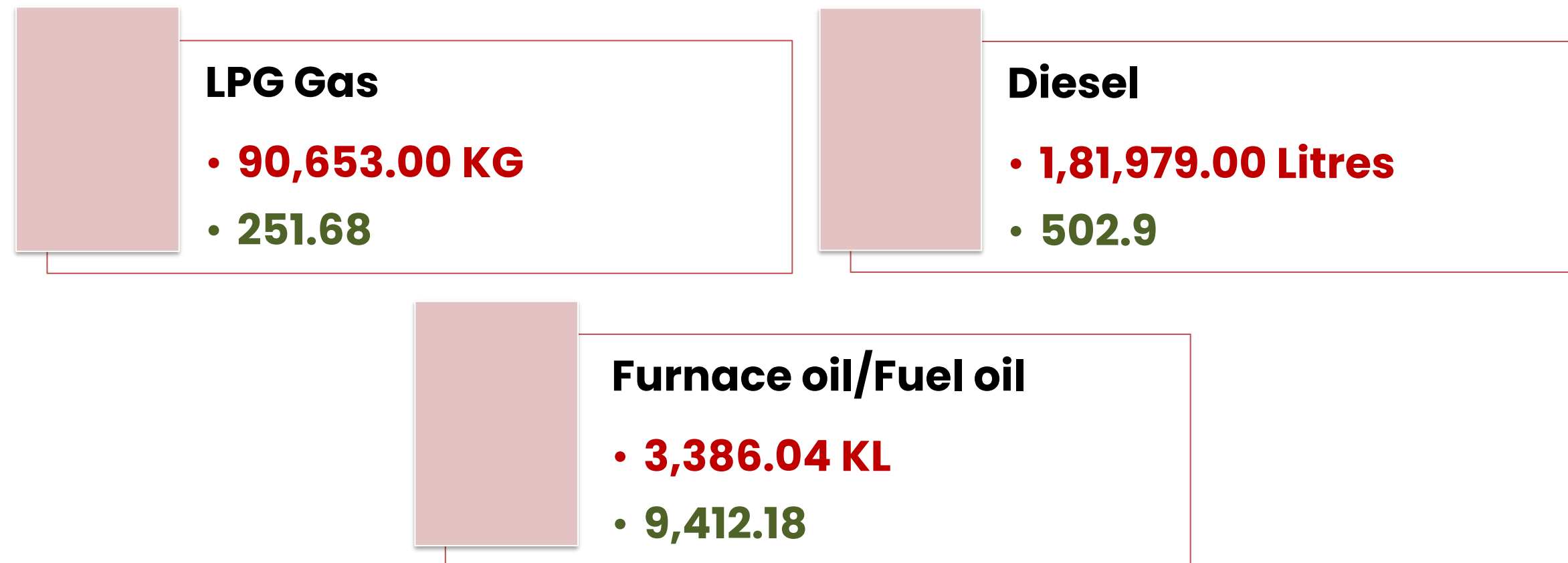
 Consumption

 GHG Emission
TCO₂Eq

Stationary Combustion

Consumption of fossil fuel

FY 2022-23



Total GHG Emission 10,166.76 TCO₂Eq



Consumption

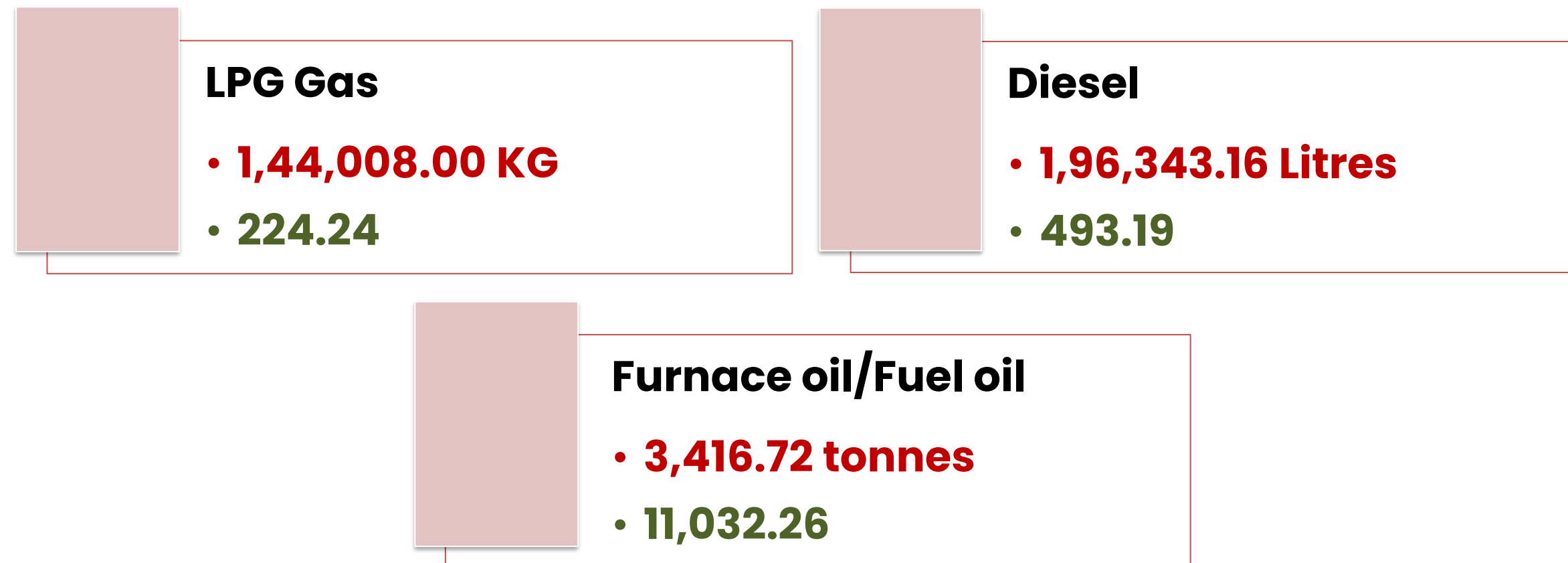


**GHG Emission
TCO₂Eq**

Stationary Combustion

Consumption of fossil fuel

FY 2023-24



Total GHG Emission 11,749.69 TCO₂Eq



Consumption

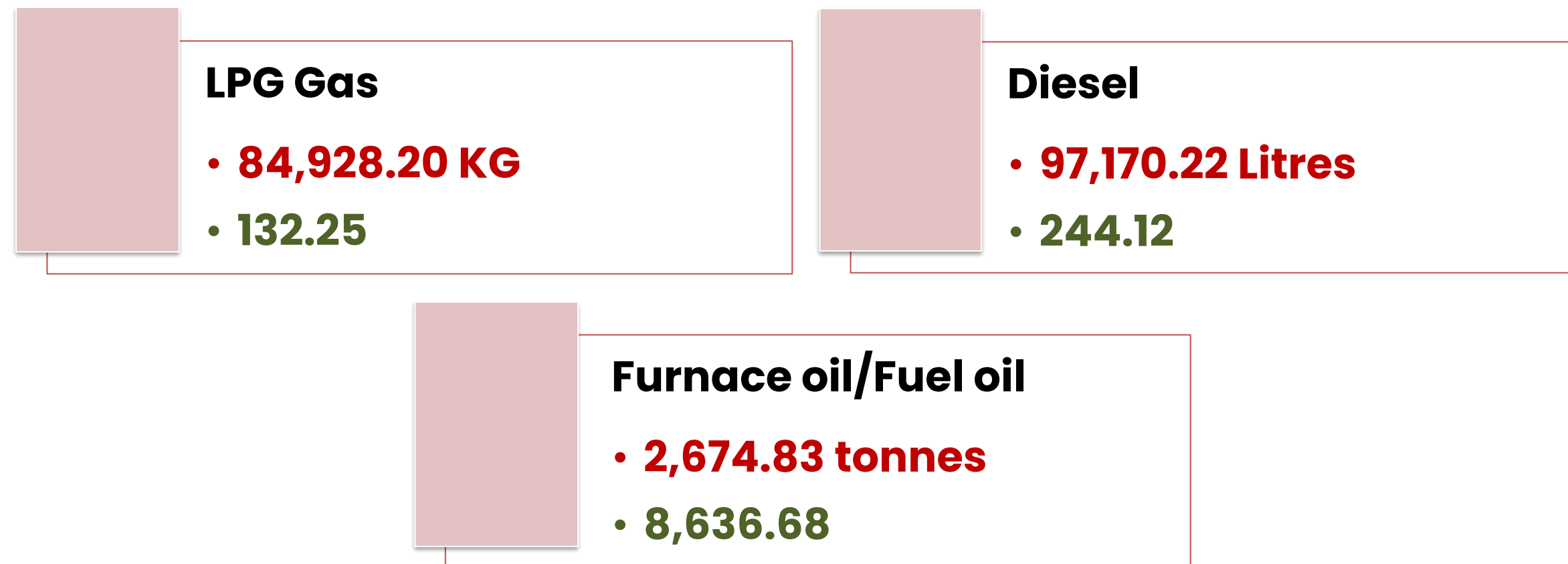


**GHG Emission
TCO₂Eq**

Stationary Combustion

Consumption of fossil fuel

FY 2024-25



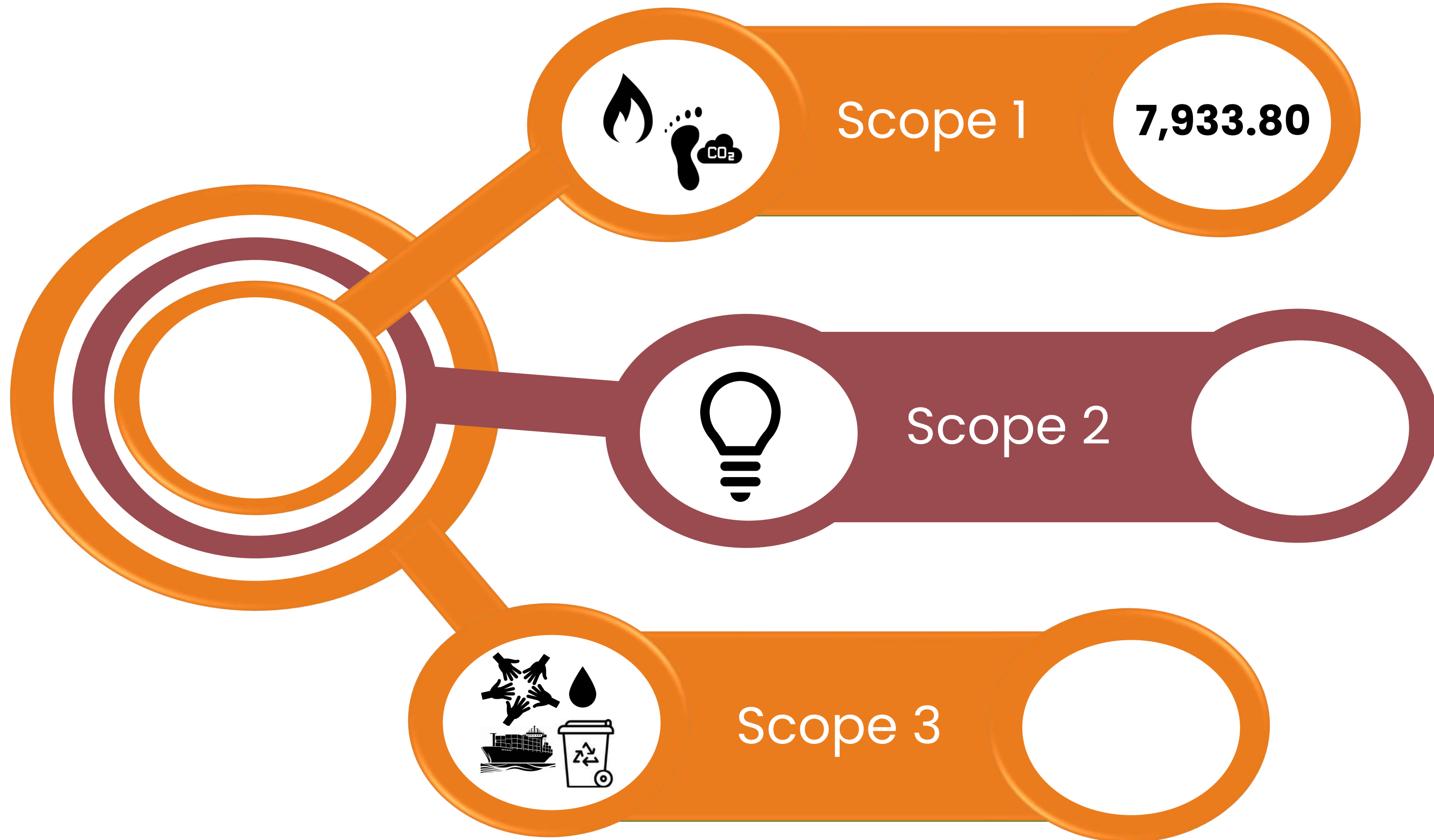
Total GHG Emission 9,013.05 TCO₂Eq

 **Consumption**

 **GHG Emission
TCO₂Eq**

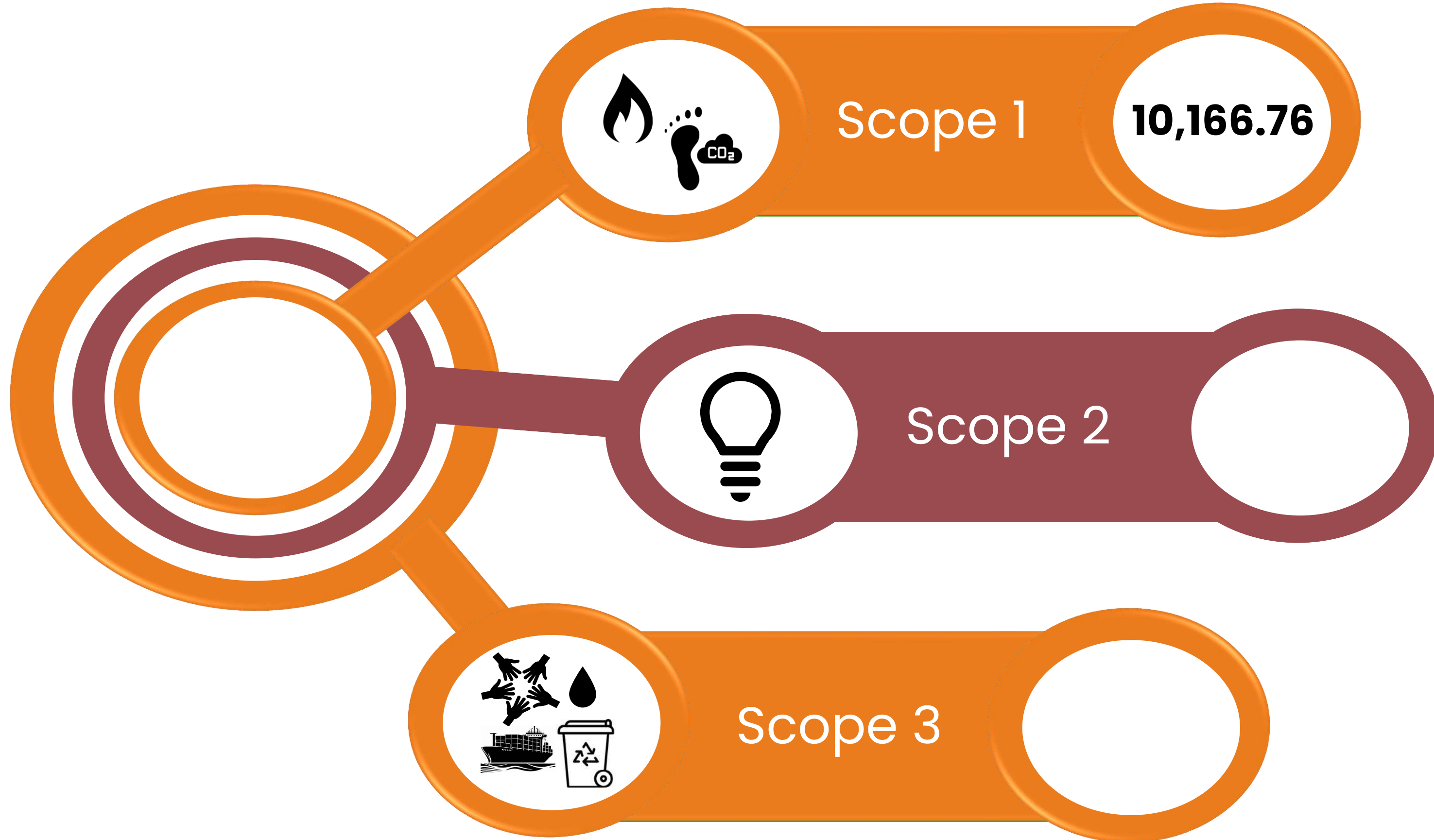
Summary of Scope 1 Total GHG Emission in TCO₂Eq

Reporting period
FY 2021-22



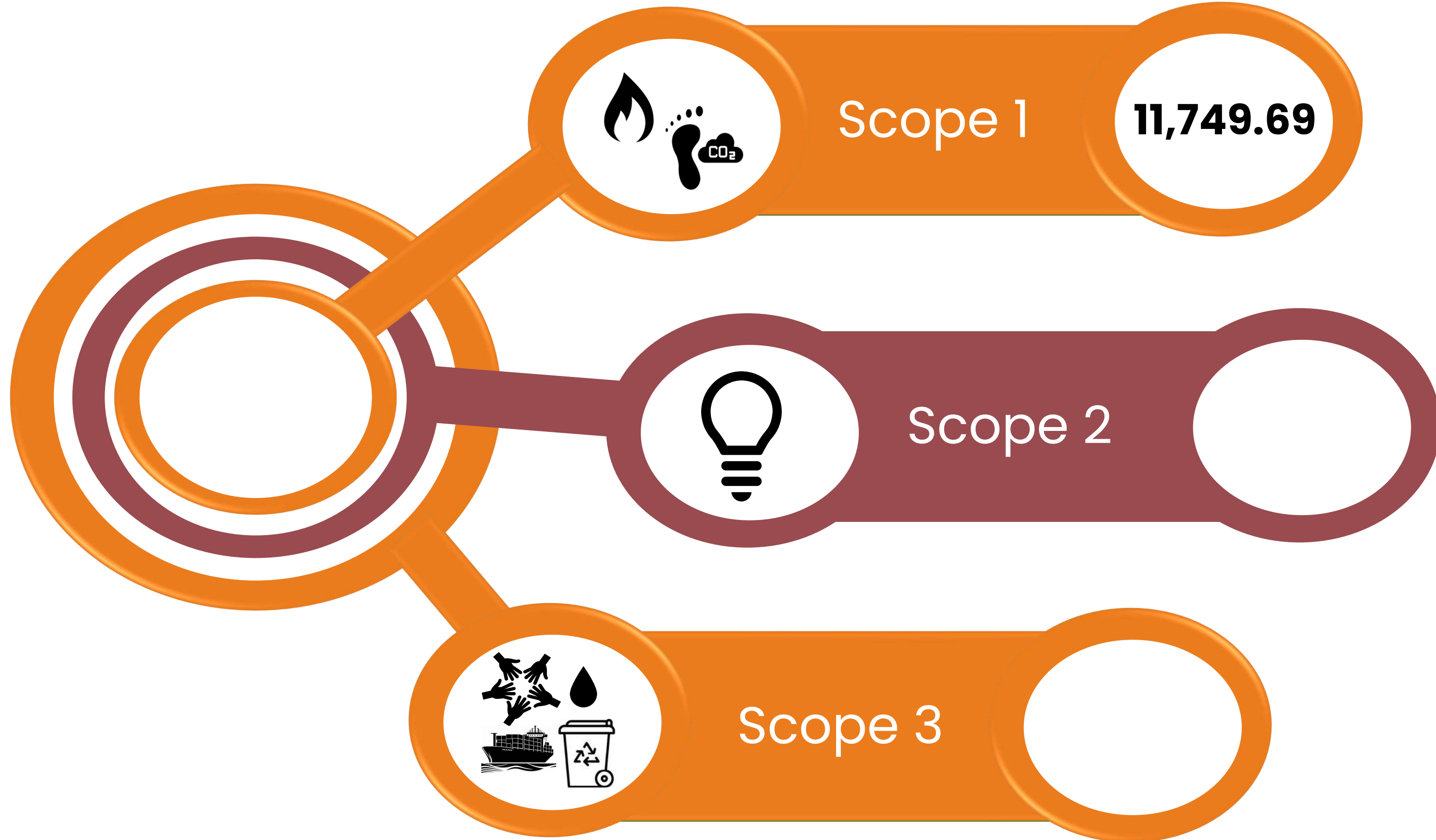
Summary of Scope 1 Total GHG Emission in TCO₂Eq

Reporting period
FY 2022-23



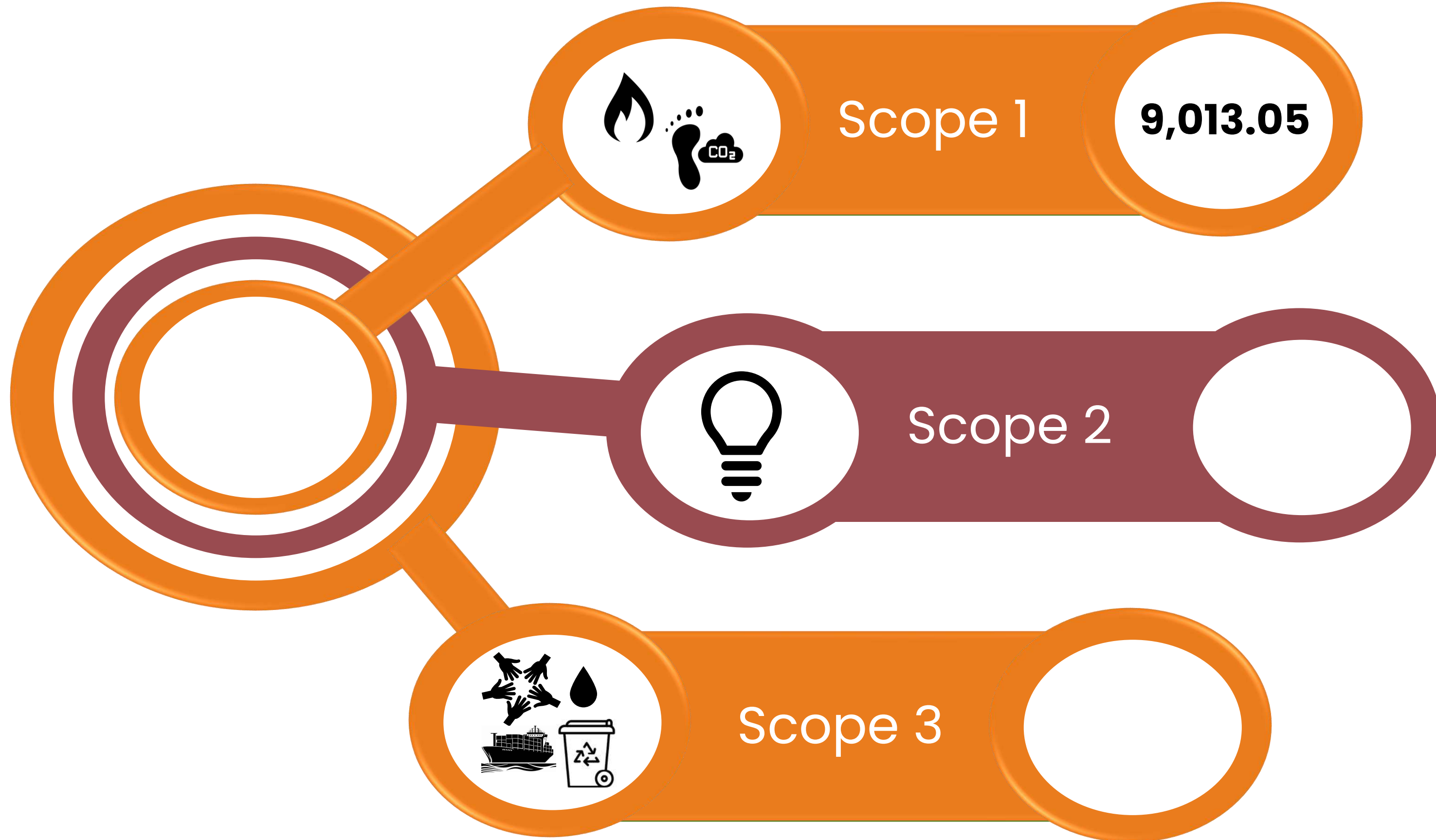
Summary of Scope 1 Total GHG Emission in TCO₂Eq

Reporting period
FY 2023-24



Summary of Scope 1 Total GHG Emission in TCO₂Eq

Reporting period
FY 2024-25



Scope 2

Other Indirect GHG Emission

Indirect emissions from purchased energy, crucial for assessing and reducing an organization's environmental impact for period.



Scope 2 Purchased Electricity

| FY 2021-22 |
|---------------|
| • 3,30,29,858 |
| • 27,084.45 |

| FY 2022-23 |
|---------------|
| • 3,69,78,594 |
| • 30,323.16 |

| FY 2023-24 |
|---------------|
| • 3,75,22,029 |
| • 23,804.08 |

| FY 2024-25 |
|-----------------|
| • 3,12,70,117.7 |
| • 22,389.42 |

 Consumption in kWh

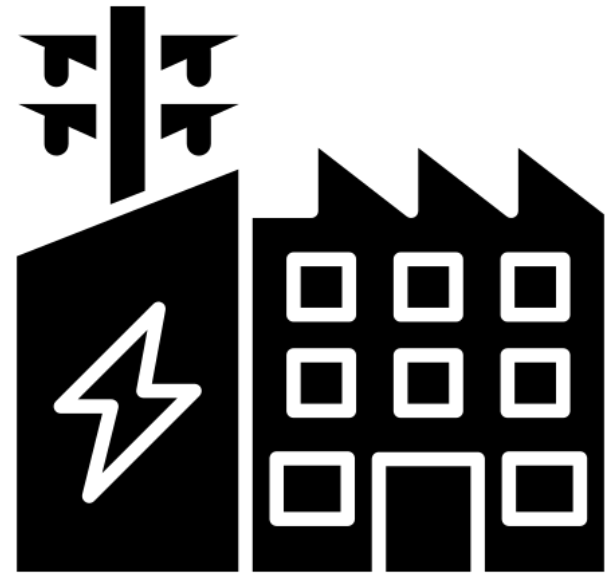
 GHG Emission TCO₂Eq

20 MICRONS

Scope 2 Generation of Electricity

**Purchased
Electricity**

**Generated
Electricity**



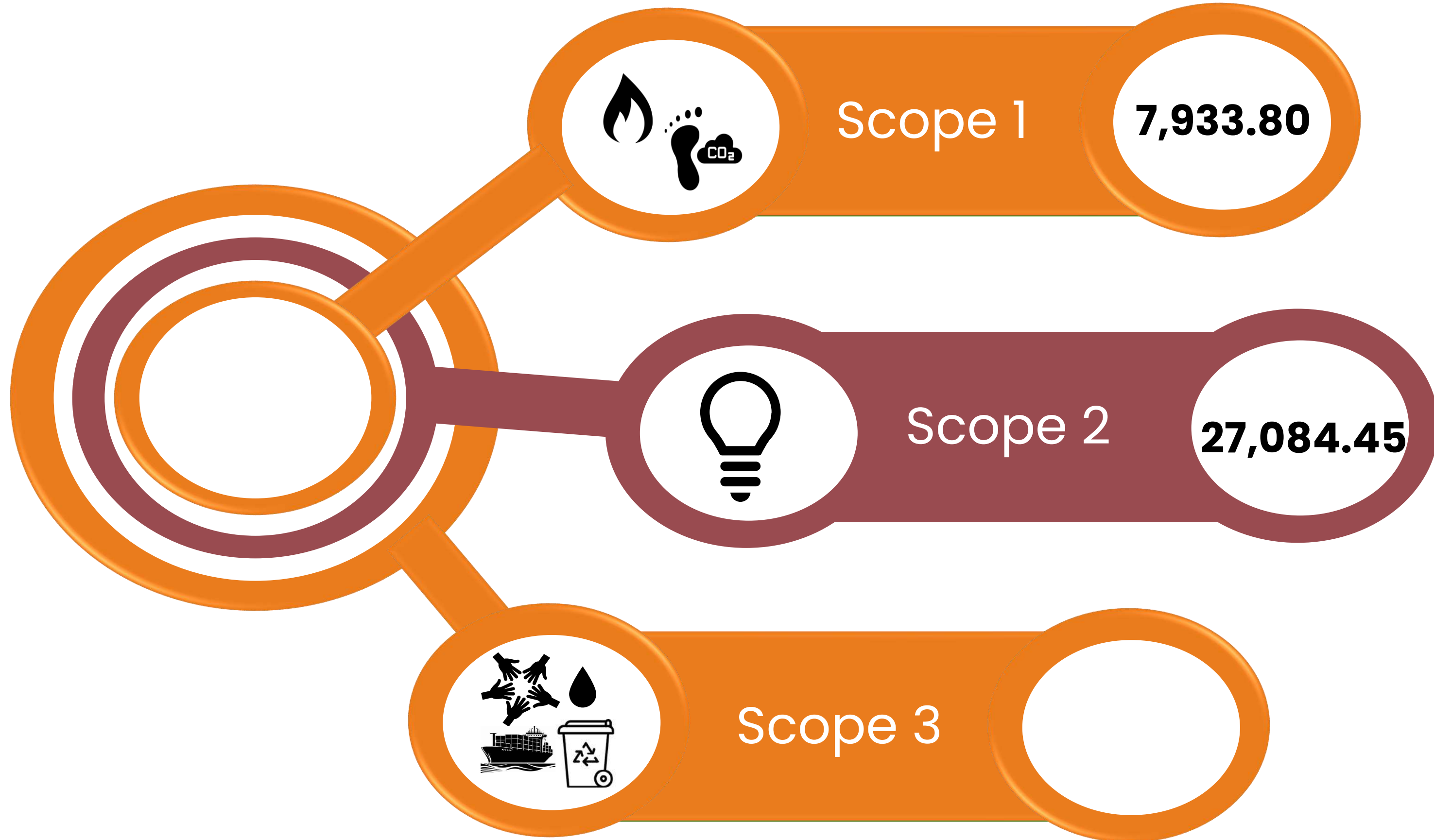
0.001%
Renewable



Currently the company offsets 0.001 % of its scope 2 GHG Emissions coming out of their electricity by using solar light to generating **420** amount of KWH of in the FY 2024-25

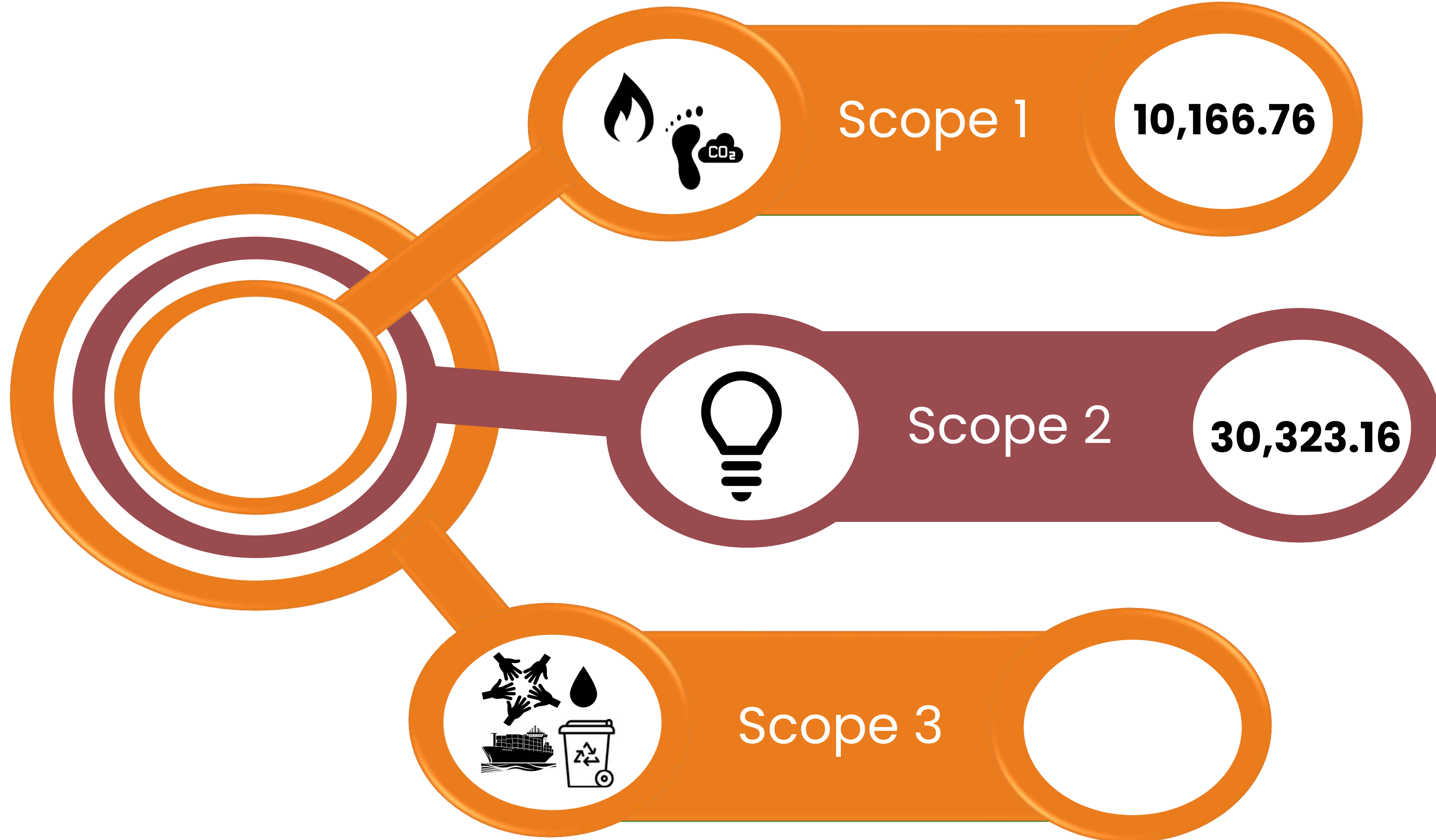
Summary of Scope 2 Total GHG Emission in TCO₂Eq

Reporting period
FY 2021-22



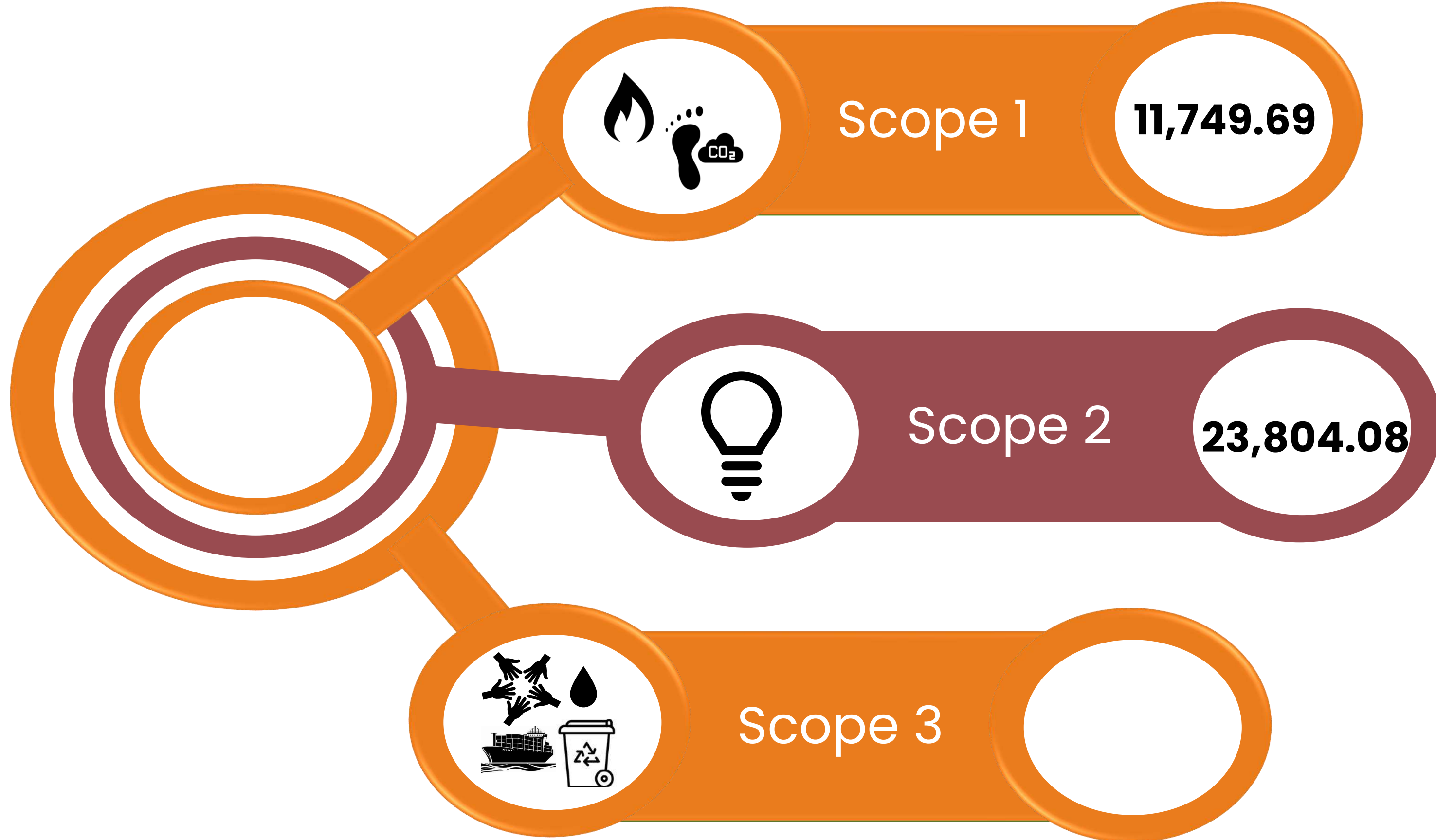
Summary of Scope 2 Total GHG Emission in TCO₂Eq

Reporting period
FY 2022-23



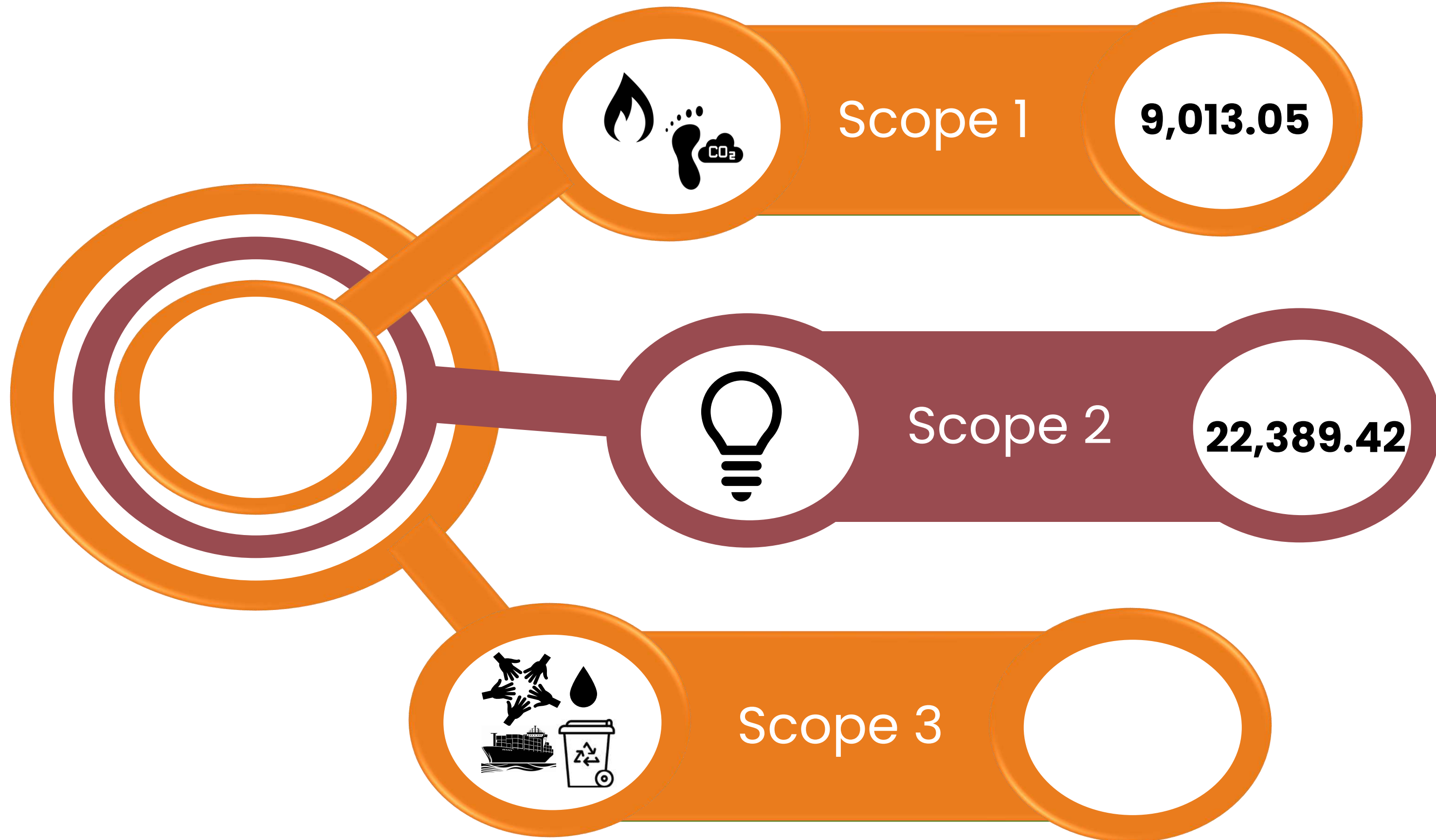
Summary of Scope 2 Total GHG Emission in TCO₂Eq

Reporting period
FY 2023-24



Summary of Scope 2 Total GHG Emission in TCO₂Eq

Reporting period
FY 2024-25



Scope 3

Other Indirect GHG Emission

Indirect emissions from the entire value chain, encompassing suppliers, customers, influencing sustainability impact during period.



20 MICRONS

Employee Commute



Upstream Activities



Downstream Activities



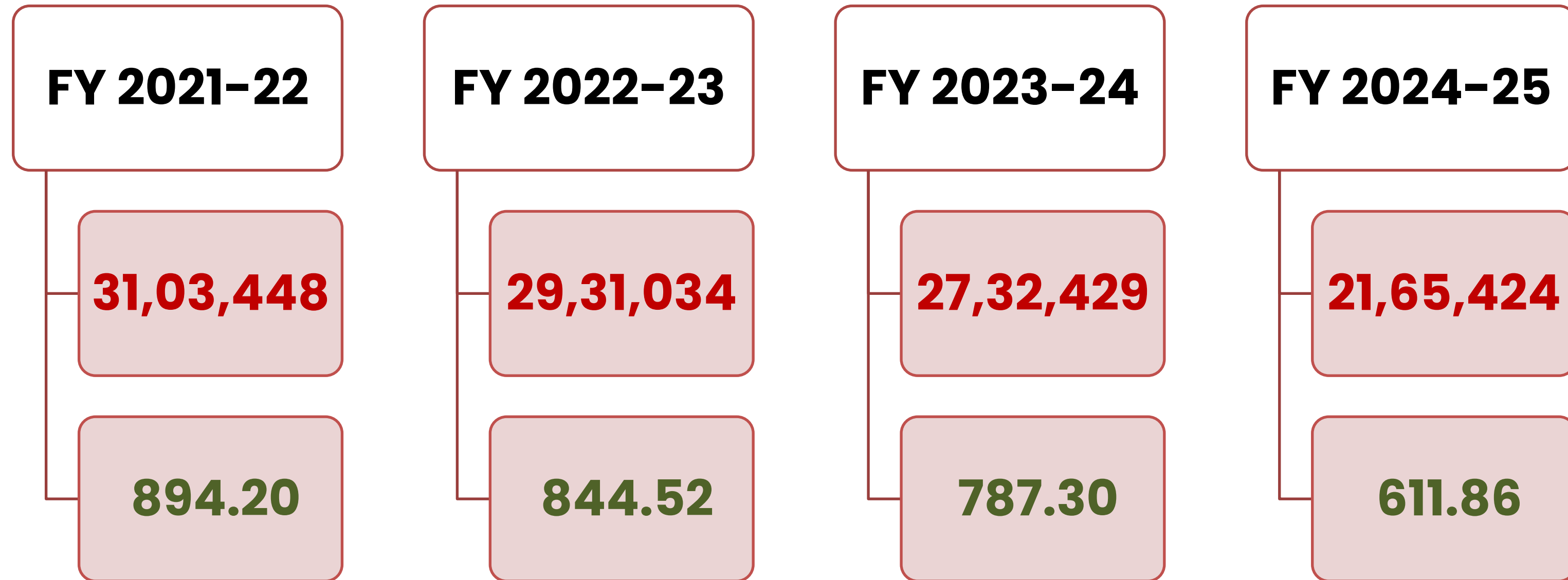
Waste Disposal



Water Supply



Scope 3 Employee Commute



 **Total Km travel by Employees**

 **GHG Emission TCO₂Eq**

Scope 3

Upstream Transportation Domestic Purchase by Trucks

FY 2021-22

FY 2022-23

FY 2023-24

FY 2024-25



□ **4,58,073.00**

□ **4,58,699.00**

□ **21,16,773.57**

□ **15,10,360.65**

□ **3,461.43**

□ **3,706.00**

□ **51,077.87**

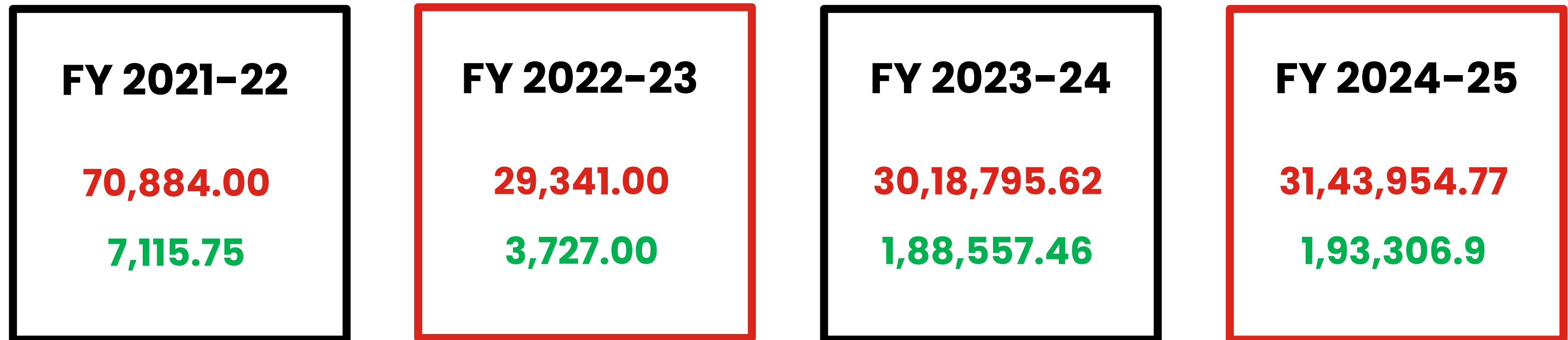
□ **42,611.74**

■ **Consumption of tonnes**

■ **GHG Emission TCO₂Eq**

Scope 3

Upstream Transportation Import Purchase by Cargo ship & Trucks



 Consumption in tonnes

 GHG Emission TCO₂Eq

Scope 3

Summary of Upstream Transportation



 Consumption in tonnes

 GHG Emission TCO₂Eq

Scope 3

Downstream Transportation Domestic sales Purchase by Truck

FY 2021-22

FY 2022-23

FY 2023-24

FY 2024-25



☐ **3,47,432.00**

☐ **3,32,952.00**

☐ **5,77,098.54**

☐ **7,40,594.53**

☐ **9,882.00**

☐ **10,429.00**

☐ **60,929.19**

☐ **71,535.70**



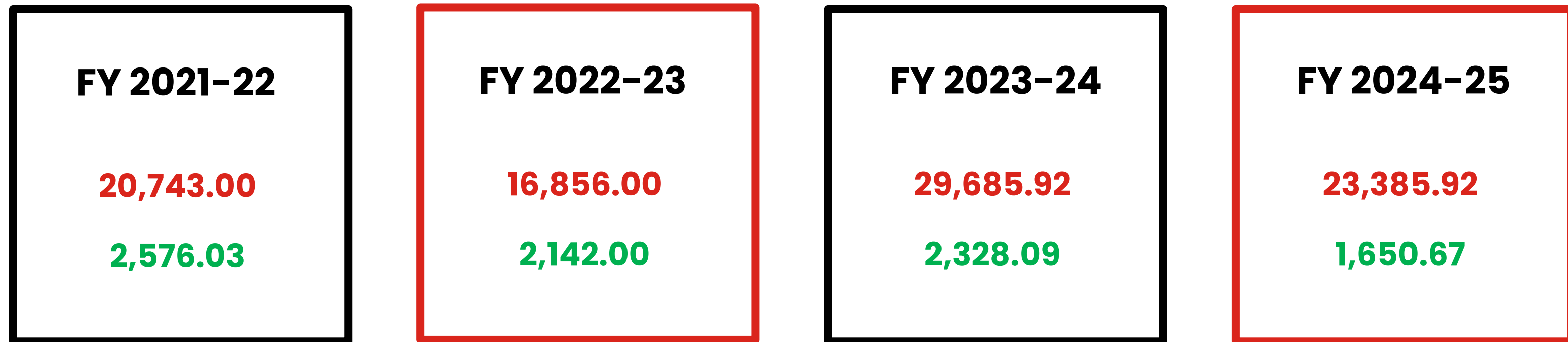
**Consumption of
tonnes**



**GHG Emission
TCO₂Eq**

Scope 3

Downstream Transportation Import Sales by Cardo Ship & Truck

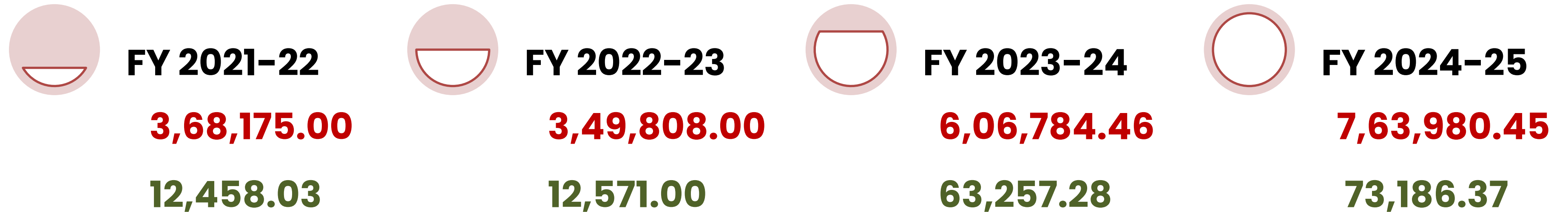


 Consumption in tonnes

 GHG Emission TCO₂Eq

Scope 3

Summary of Downstream Transportation



 Consumption in tonnes

 GHG Emission TCO₂Eq

Scope 3

Waste Disposal

Generation of Hazardous & Non-hazardous Waste



FY 2021-22

Consumption in tonnes – **5.305**
GHG Emission TCO₂Eq – **0.034**

FY 2023-24

Consumption in tonnes – **3.402**
GHG Emission TCO₂Eq – **0.021**

FY 2022-23

Consumption in tonnes – **4.60**
GHG Emission TCO₂Eq – **0.029**

FY 2024-25

Consumption in tonnes – **2.546**
GHG Emission TCO₂Eq – **0.016**

Scope 3 Water Consumption

→ **FY 2022-23**

Consumption in kilo litres – **73,805.44**

GHG Emission TCO₂Eq – **11.07**

→ **FY 2022-23**

Consumption in kilo litres – **73,758.72**

GHG Emission TCO₂Eq – **11.06**

→ **FY 2023-24**

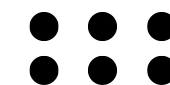
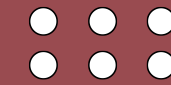
Consumption in kilo litres – **63,199.4**

GHG Emission TCO₂Eq – **9.47**

→ **FY 2024-25**

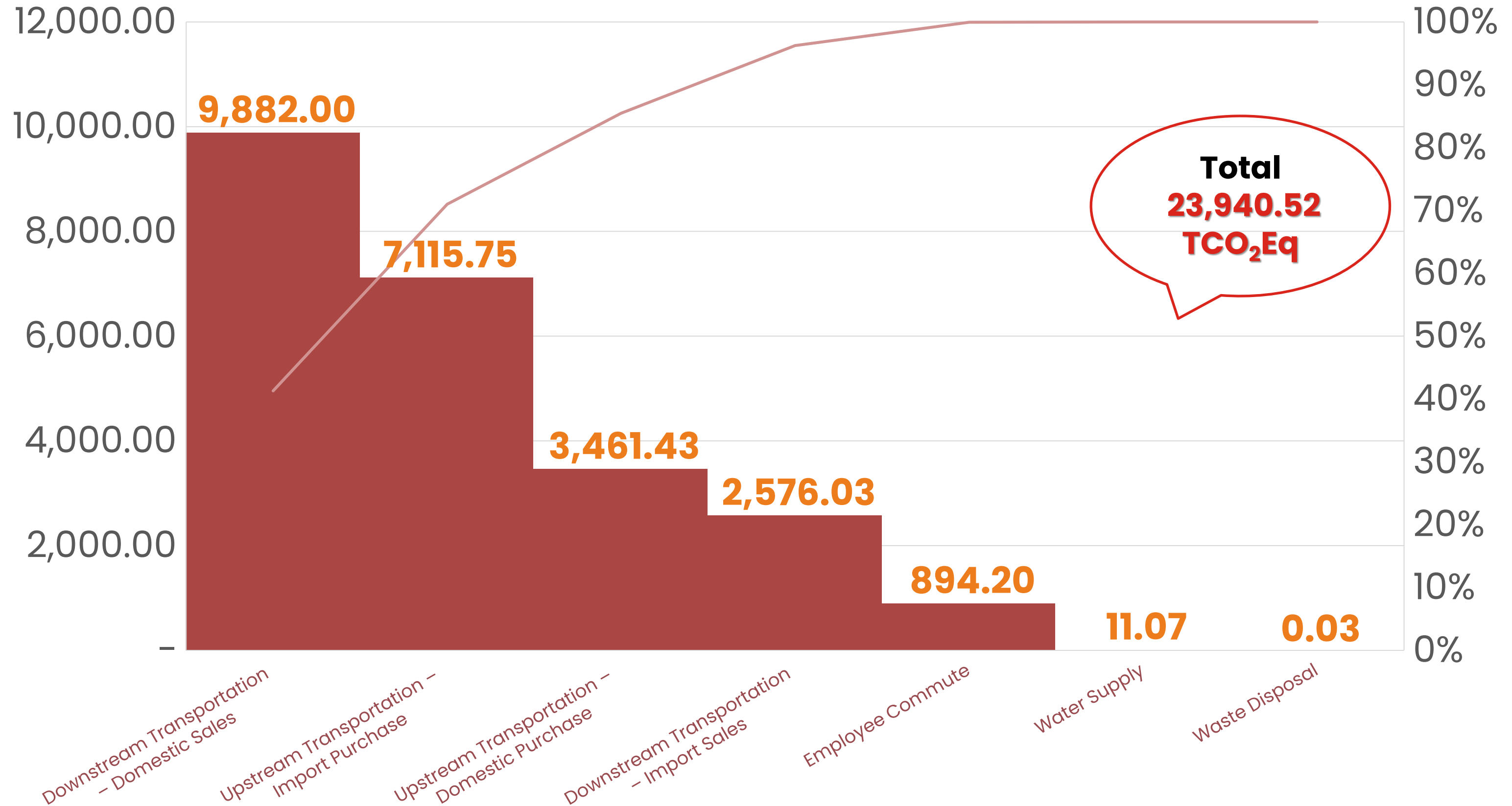
Consumption in kilo litres – **43,582.75**

GHG Emission TCO₂Eq – **6.53**

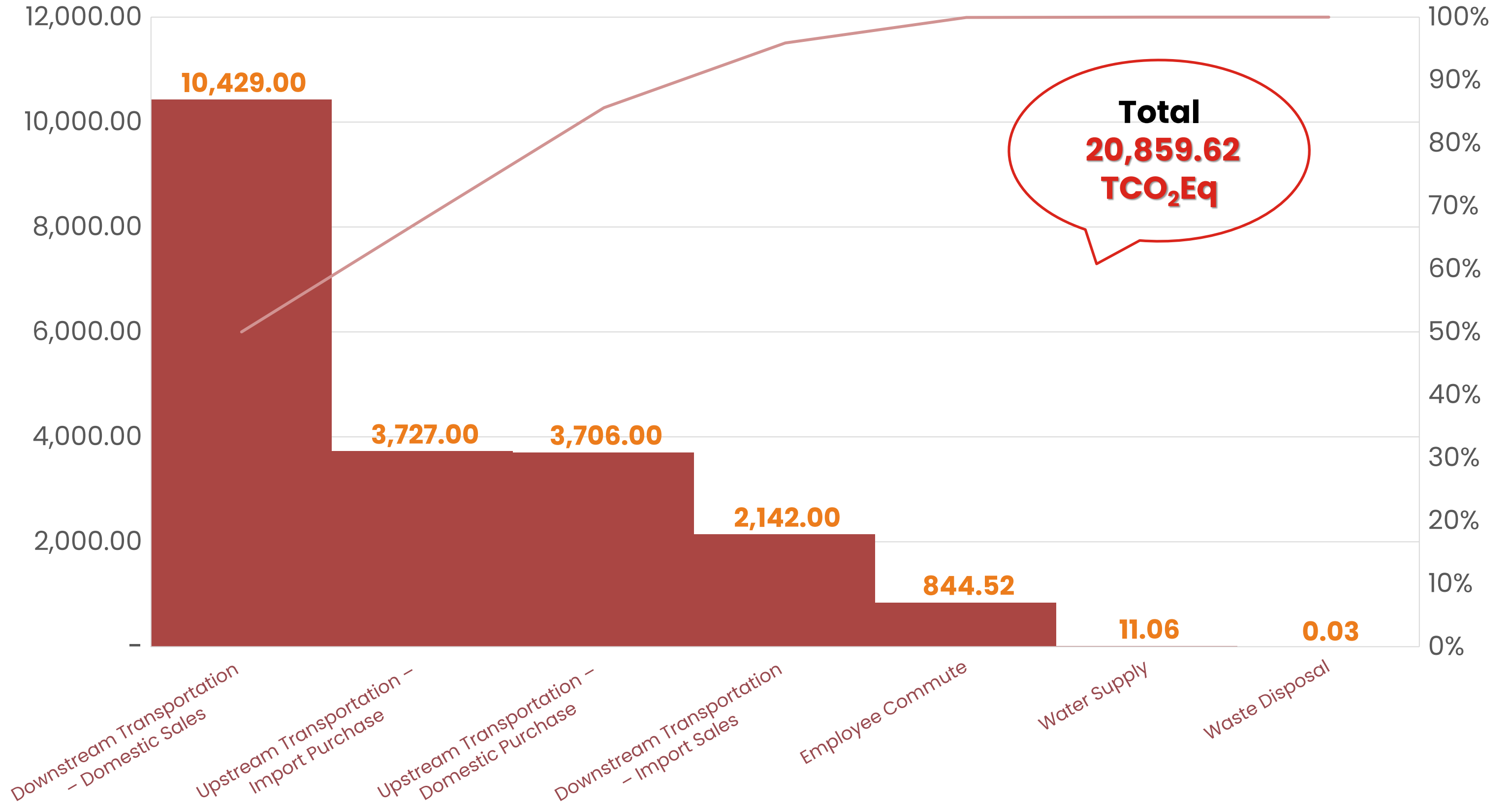


Summary of Scope 3 for FY 2021-22

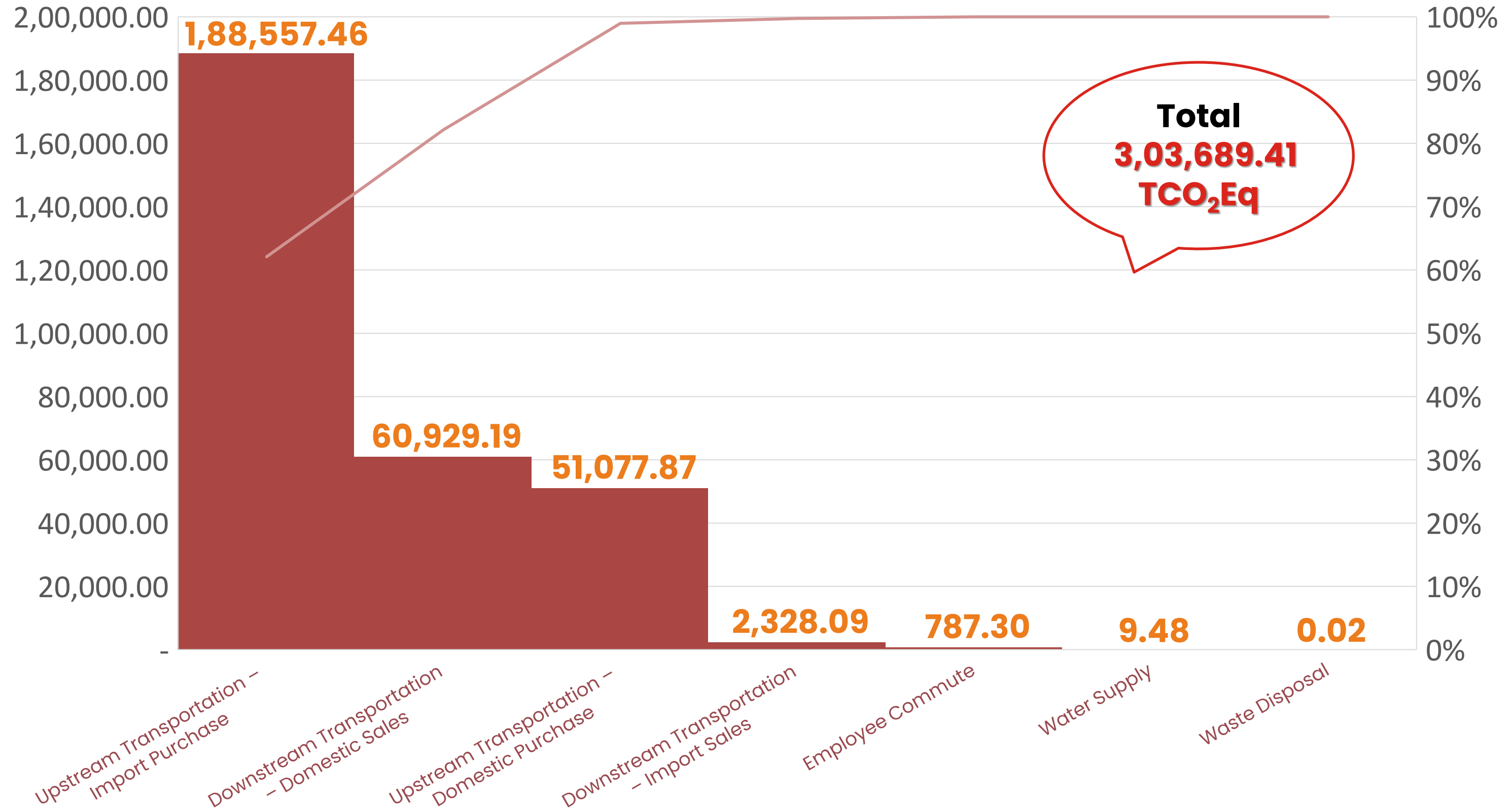
Total GHG Emission TCO₂Eq



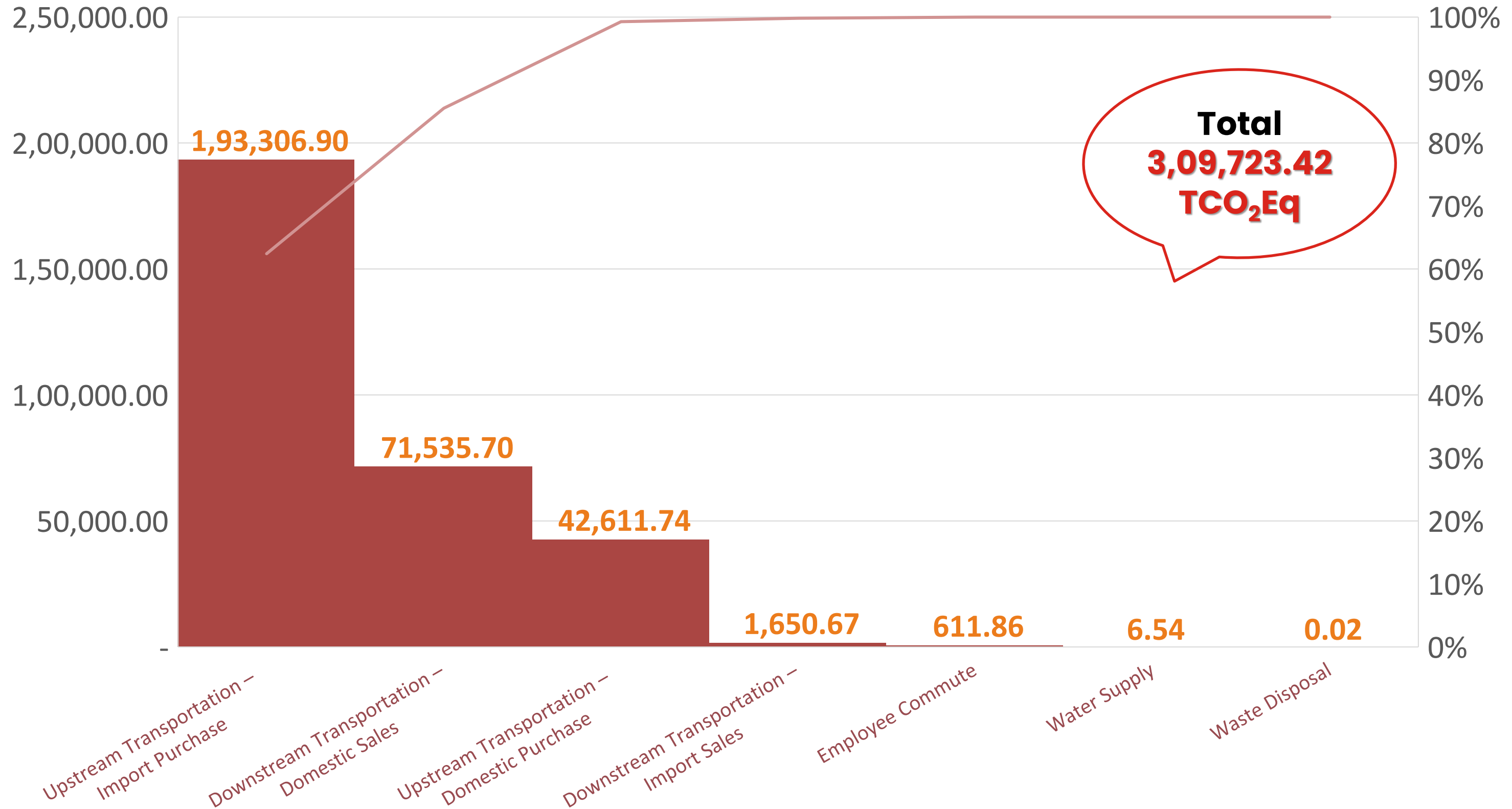
Total GHG Emission TCO₂Eq



Total GHG Emission TCO₂Eq

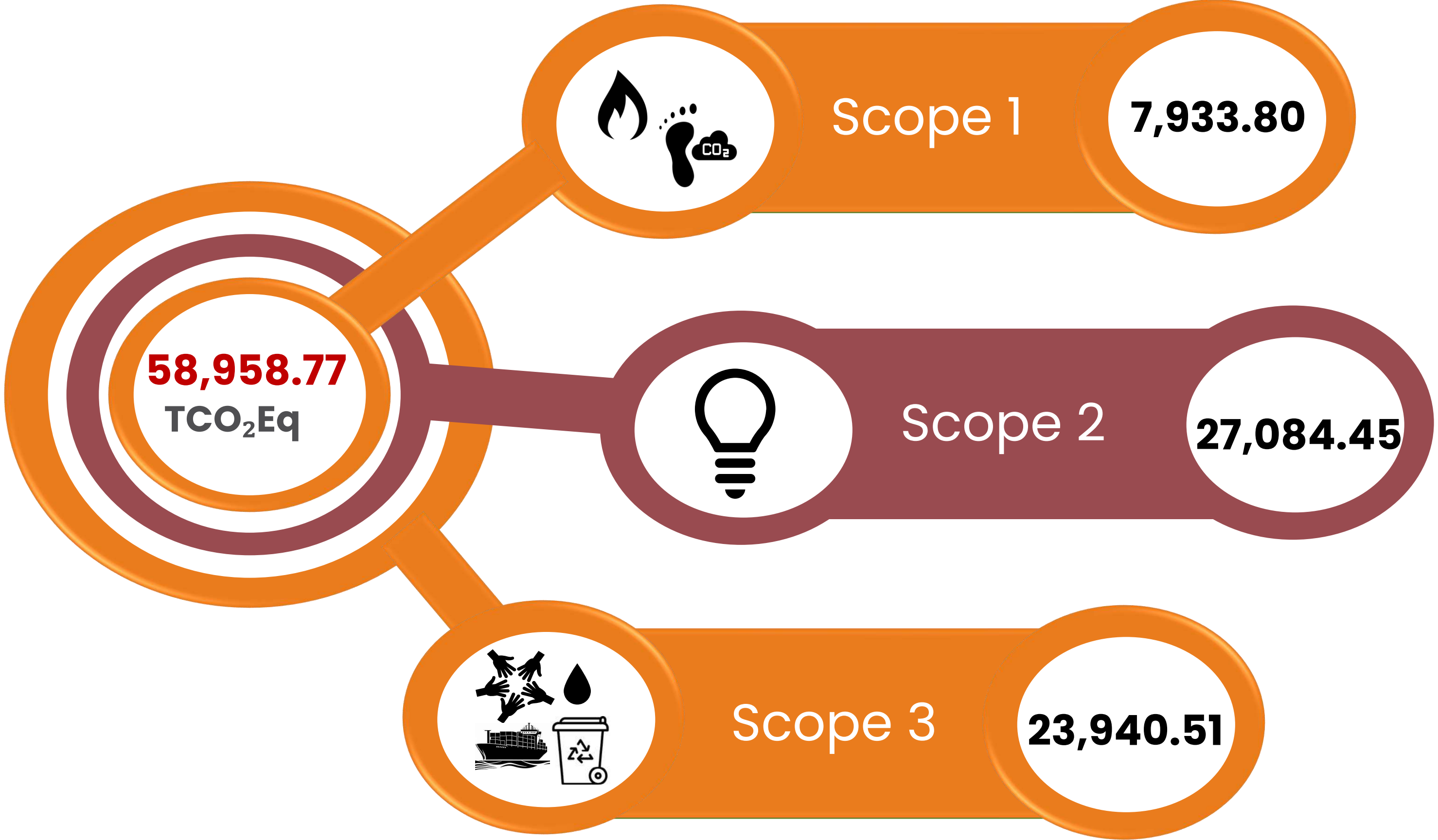


Total GHG Emission TCO₂Eq



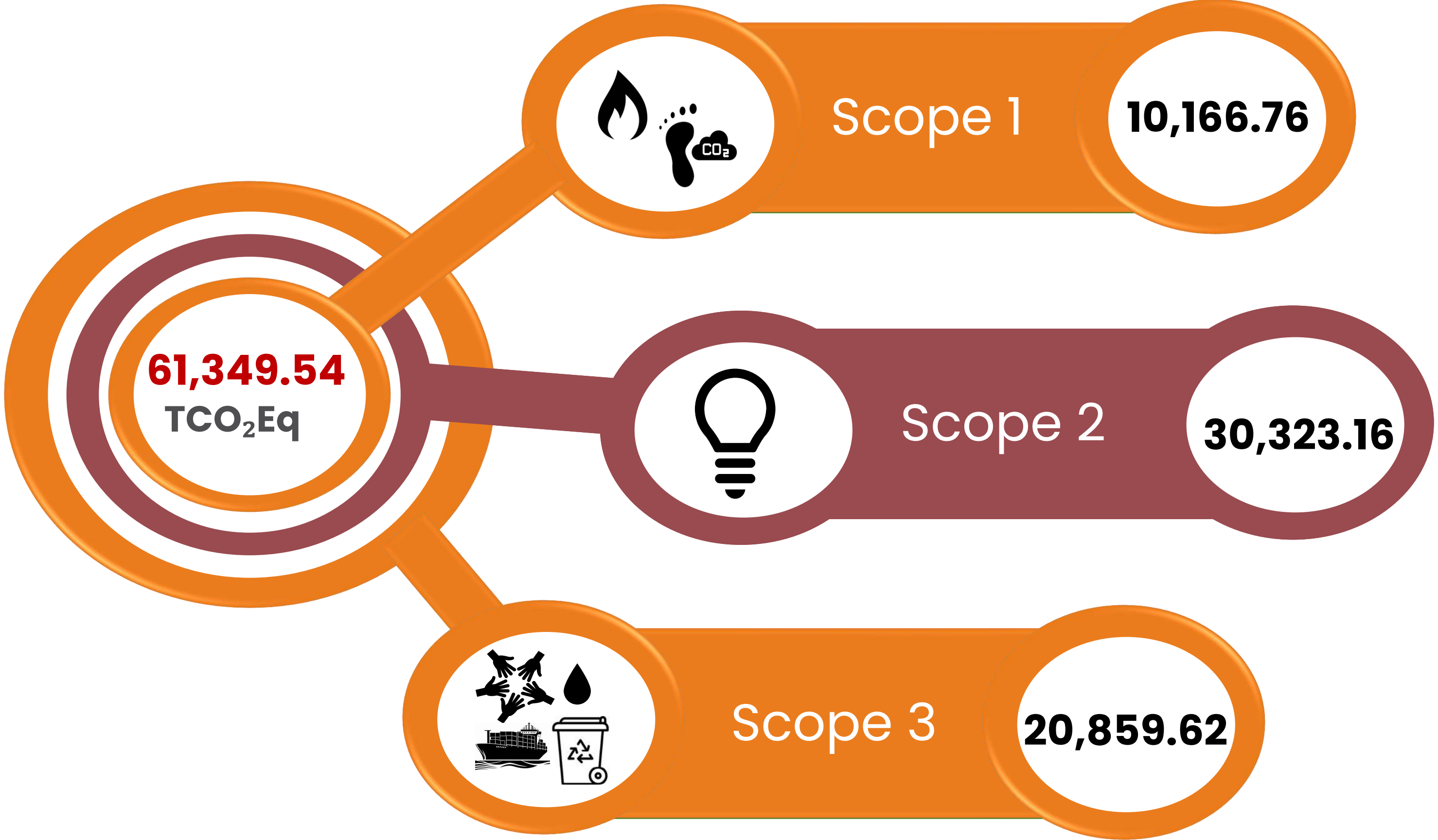
Total GHG Emission in TCO₂Eq

Reporting period
FY 2021-22



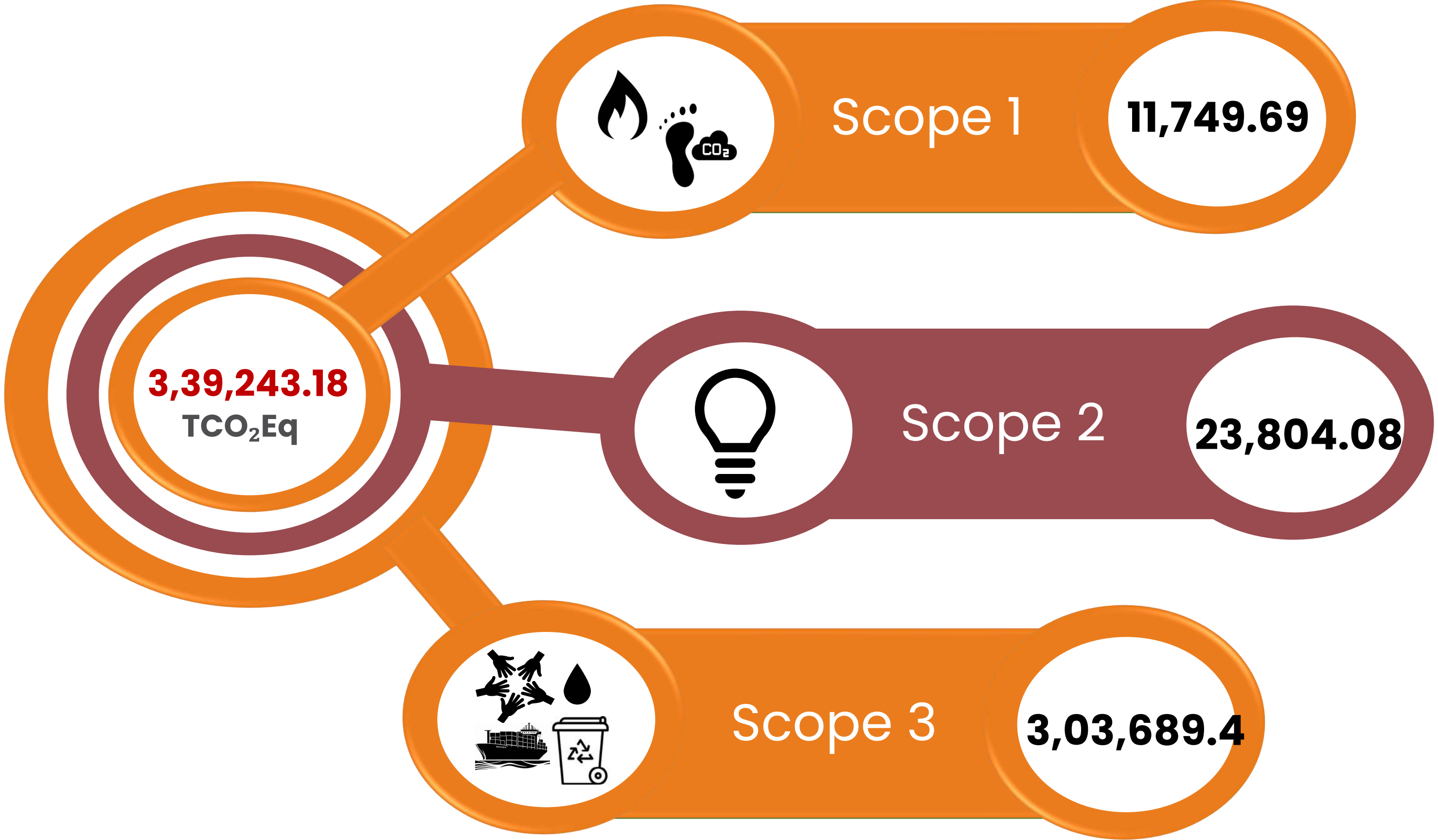
Total GHG Emission in TCO₂Eq

Reporting period
FY 2022-23



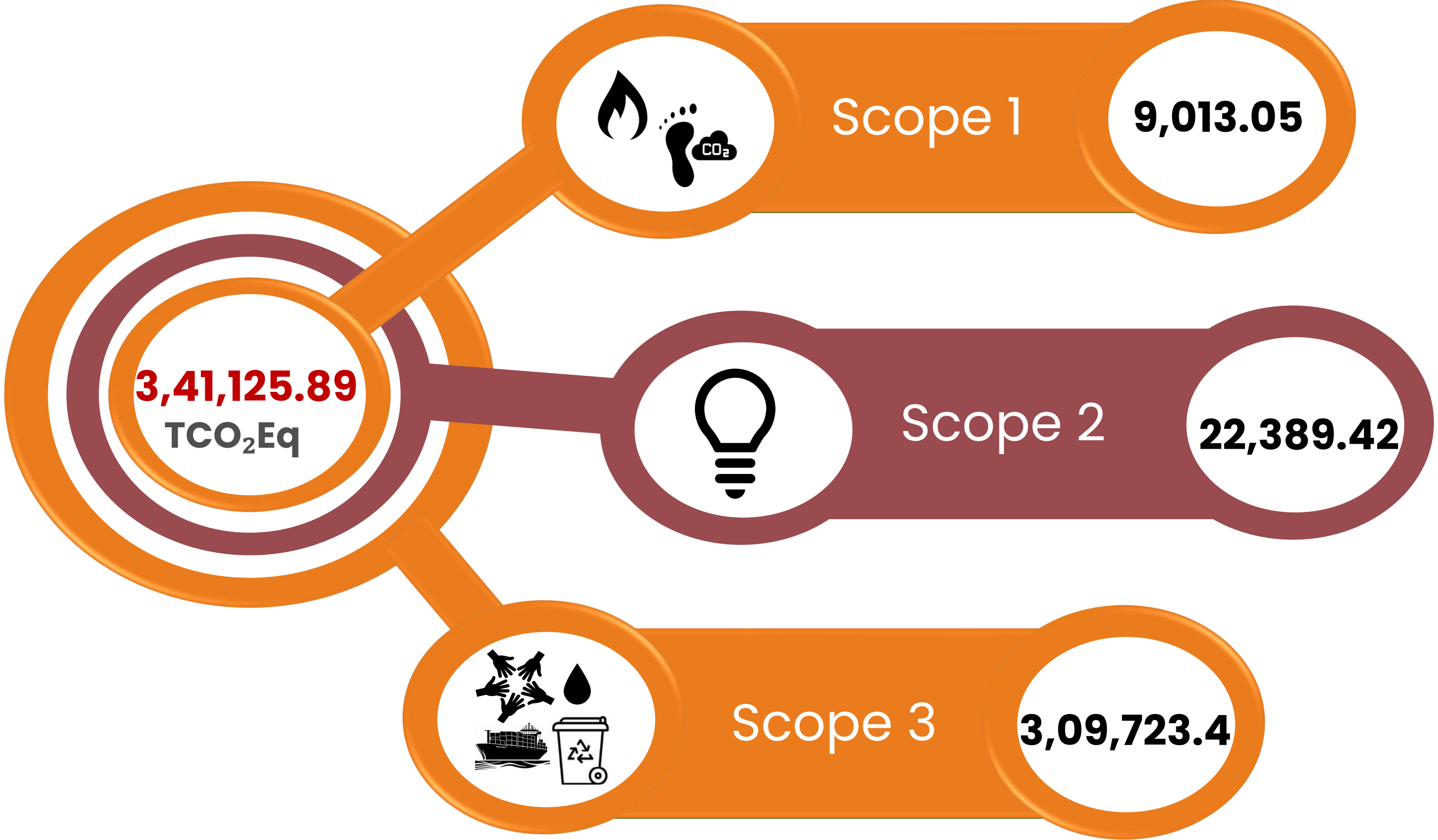
Total GHG Emission in TCO₂Eq

Reporting period
FY 2023-24



Total GHG Emission in TCO₂Eq

Reporting period
FY 2024-25





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