

Emissions Management

Scope 1 GHG Emissions⁵¹

We regularly monitor and report emissions from the usage of direct fuels (HSD, furnace oil, petrol, CNG, LPG, LDO, and coal) in our processes. The past four years have seen a decline in both the absolute levels and intensity of our Scope 1 emissions.

Scope 1 Emissions

(tCO₂e)



Emission Intensity for Scope 1

(tCO₂e/revenue in ₹ Mn)



Total biogenic emissions in FY24 was 63,547 tCO₂e.

Scope 2 GHG Emissions⁵²

We monitor and report our emissions of electricity purchased from the grid. There has been a steady decline in the Scope 2 emissions intensity over the past four years.

Scope 2 Emissions

(tCO₂e)



Emission Intensity for Scope 2

(tCO₂e/revenue in ₹ Mn)



Scope 1+2 Emissions

(tCO₂e)



Scope 1+2 Emission Intensity

(tCO₂e/revenue in ₹ Mn)



⁵¹GRI 305-1 and 305-4 | ⁵²GRI 305-2 and 305-4



Scope 3 GHG Emissions⁵³

At Sun Pharma, we track and report the indirect emissions from our value chain across seven Scope 3 categories, following the GHG protocol. The largest impact comes from purchased goods and services, while other categories include business travel, fuel, and energy-related activities, upstream and downstream transportation and distribution, employee commuting, and waste generated in operations.

Scope 3 Emissions

Source	FY23 (tCO ₂ e)	FY24 (tCO ₂ e)
Purchased goods and services	182,980	236,932
Fuel- and energy-related activities (not included in Scope 1 or Scope 2)	99,161	87,270
Employee commute	20,115	16,412
Business travel	3,794	4,443
Upstream	7,630	4,242
Downstream	38,311	24,012
Waste generated in operations	5,275	6,477
Total	357,266	379,788

Tracking Scope 3 emissions gives us opportunities to engage across our value chain, spread awareness amongst our business partners, and encourage them to adopt sustainable practices. We have begun using eco-friendly multi-layered cold storage packaging for one of our key products, which after refurbishment/re-qualification post every use cycle can be reused leading to a reduction in carbon emissions and improving overall efficiency.

Emission of Ozone-depleting Substances (ODS)⁵⁴

Aligned with the Montreal Protocol guidelines, we are committed to eliminating equipment that uses ozone-depleting substances (ODS). We are systematically transitioning towards alternative equipment that uses gases that have no or limited potential for ozone depletion.

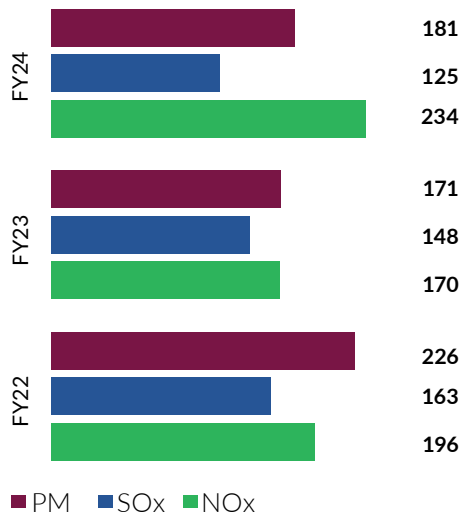
We use R-134a and R-404a as substitutes for R-22 to comply with international standards and adopt the best practices for non-ODS refrigerants.

Our primary source of ODS emissions is refrigerants present in air-conditioners and chiller plants. For the reporting year, the recharge quantity of CFC 11 equivalent ODS was 0.298 MT.

Other Air Emissions⁵⁵

We closely monitor emissions from air pollutants like Sulphur Oxides (SOx), Nitrogen Oxides (NOx), and Particulate Matter (PM) to ensure they stay below the thresholds set by central and state pollution control authorities.

Stack Emissions (MT)



⁵³GRI 305-3 | ⁵⁴GRI 305-6 | ⁵⁵GRI 305-7