

# GHG Annexure

## Scope 1

Category	Sub-category	Emission factor source	FY22 emissions (tCO <sub>2</sub> e)
Stationary combustion	Fuel consumed in manufacturing operations	IPCC Guideline for Natural Greenhouse Gas Inventories of 2006	75,970

## Scope 2

Category	Sub-category	Emission factor source	FY22 emissions (tCO <sub>2</sub> e)
Emission generated from the purchased electricity	Purchased electricity-manufacturing	India- CO <sub>2</sub> baseline database for the Indian Power Sector User Guide, issued by Central Electricity Authority, Government of India CEA (v. 16) guide (location-based)  Australia-National Greenhouse Accounts Factors - August 2021 (industry.gov.au)  Malaysia- INCEPTION REPORT: Grid Electricity Emission Factors for Malaysia (mgtc.gov.my)  Israel, South Africa, Romania- IFI Default Grid Factors 2021 v3.1   UNFCCC  US- GHG emission calculation tool	381,383

## Scope 3

Category	Sub-category	Emission factor source	FY22 emissions (tCO <sub>2</sub> e)
Purchased goods and services	Purchased goods and materials for raw materials, purchased materials	DEFRA – supply chain emission factors for spending on products	179,134
Employee commute	Employee commute	India Specific Road Transport Emission Factors, 2015 - WRI - India GHG Program  World Resource Institute (2017)- GHG Protocol tool for mobile combustion Version 2.6  Calculated EFDB - 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Volume 2: Energy - Light Duty Vehicle (Passenger Cars) US  Calculated EFDB - 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Volume 2: Energy - Cars - EU3 and Later  Calculated EFDB - 2006 and Rev 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Volume 2: Energy - Light Duty Diesel Vehicle (Passenger Cars) US	20,025
Business travel	Air travel	EPA GHG emission methodology	513
Upstream transportation and distribution	Domestic and international inbound	World Resource Institute (2017)- GHG Protocol tool for mobile combustion Version 2.6	7,490
Downstream transportation and distribution	Domestic and international outbound	World Resource Institute (2017)- GHG Protocol tool for mobile combustion Version 2.6	34,775
Waste generated in operations	Waste disposal	DEFRA 2021 guidelines	3,926