LIGHTSTORM TELECOM

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GREENHOUSE GAS (GHG) ACCOUNTING REPORT 2022

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GREENHOUSE GAS ACCOUNTING REPORT

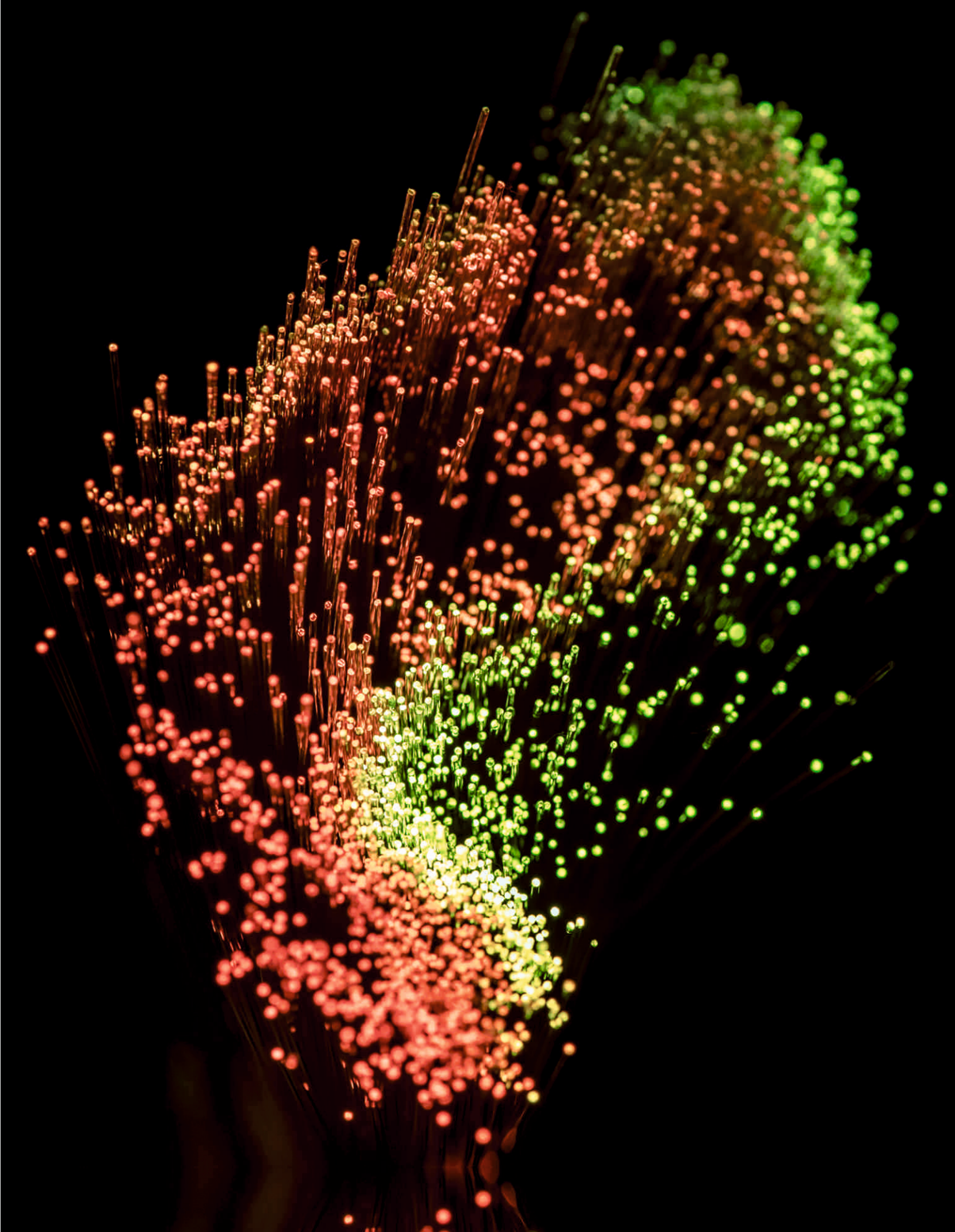
2022

lightstorm

INSIDE THIS REPORT

About this report

We are pleased to present our inaugural GHG Footprint report. Lightstorm Telecom Connectivity Private Limited, a prominent hyperscale networking infrastructure development company in India, has conducted its first GHG footprint analysis and shares the findings in this report. Our primary objective is to provide transparency into our environmental impact and share our ongoing efforts to reduce our carbon footprint. Through this report, we aim to demonstrate our commitment to sustainability and showcase our progress towards achieving our long-term goals. We invite our stakeholders and partners to use this report as a resource to gain insight into our sustainability initiatives and collaborate with us towards a greener future.



Acronyms, abbreviations and key definitions

CH_4	Methane
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalents
CSR	Corporate Social Responsibility
CY	Calender Year
DEFRA	Department for Environment, Food and Rural Affairs, U. K.
EF	Emission Factor
GHG	Greenhouse gas
HFC	Hydrofluorocarbon
HSSE	Health, Safety, Security & Environment
HVAC	Heating, Ventilation, and Air Conditioning
IPCC	Intergovernmental Panel on Climate Change
IR	Infra-Red
ISO	International Organization for Standardization
ISQ	I Squared Capital
kg	Kilogram
N_2O	Nitrous oxide
PFC	Perfluorocarbons
SDG	Sustainable Development Goals
SF	Sulfur hexafluoride
t	tonne
UV	Ultraviolet
WBSCD	World Business Council for Sustainable Development
WRI	World Resources Institute
YoY	Year on Year

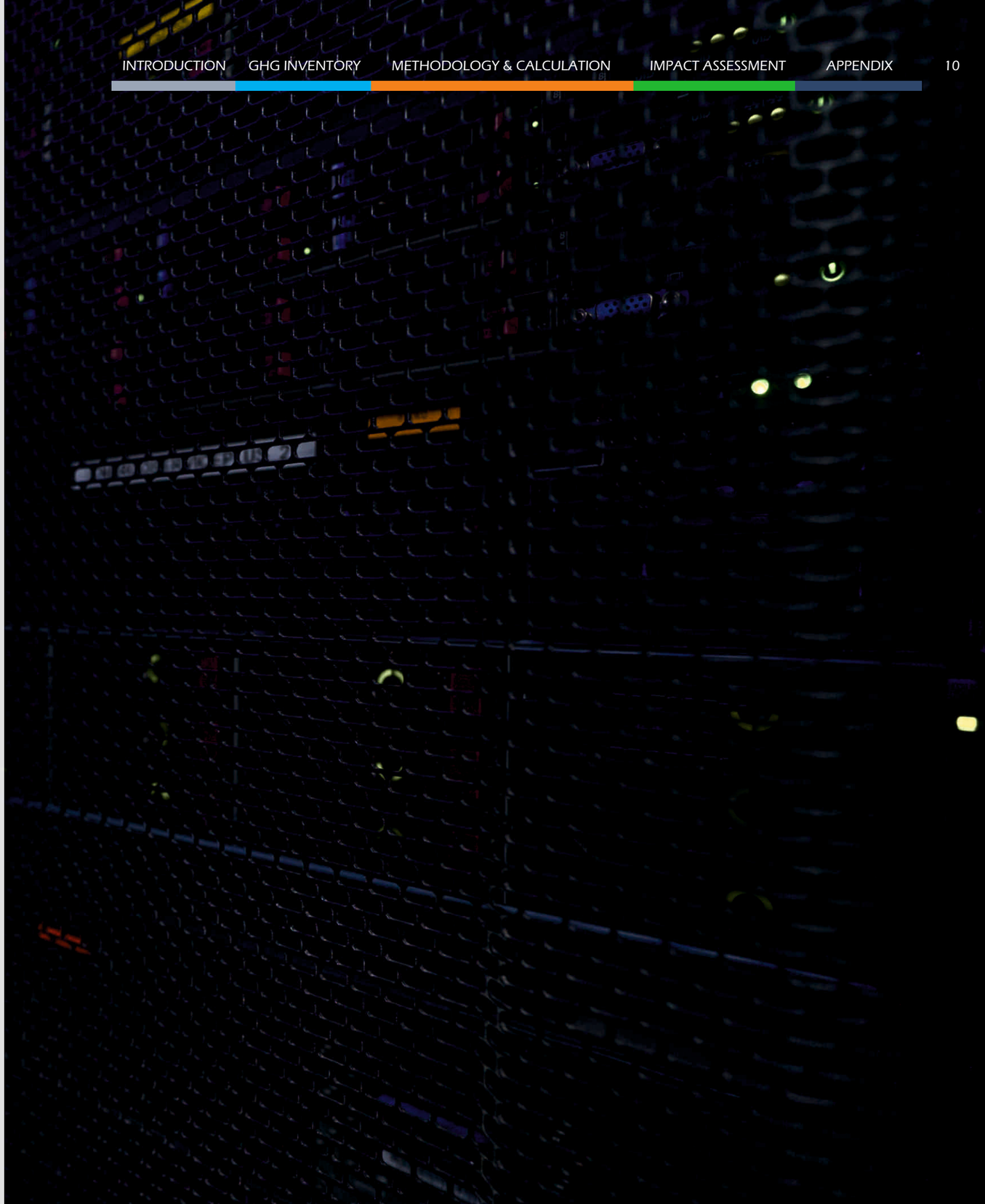
Baseline year	A historical year used to compare the preceding year's emissions.
Carbon Footprint	The amount of Carbon Dioxide that an individual, group, or organization lets into the atmosphere in a certain time frame.
CO_2e	Carbon dioxide equivalent – standardization of all greenhouse gases to reflect the global warming potential relative to carbon dioxide.
Direct Emissions	Greenhouse gas emissions from facilities /sources owned or controlled by a reporting company, e.g. generators, blowers, vehicle fleets.
Indirect Emissions	Greenhouse gas emissions from facilities /sources that are not owned or controlled by the reporting company, but for which the activities of the reporting company are responsible, e.g. purchasing of electricity.
Emission Factors	Specific value which is used to convert activity data into greenhouse gas emission values.

Lightstorm Telecom's Environmental, Health, Safety and Social Responsibility Policy, and Commitment

Lightstorm Telecom Connectivity Private Limited ("Lightstorm Telecom") is committed to operating and providing products and services in an environmentally responsible and sustainable manner. We recognize that by integrating robust environmental, health, safety, and social management practices into all aspects of our business, we can offer technologically innovative products and services while efficiently utilizing resources. We are also committed to achieving the highest standards of health and safety within all the premises of Lightstorm Telecom for its employees, partners, associates, and visitors.

Through this policy, we reinforce our commitment to adopting sustainable management practices at all operations and business facilities, in the production of goods and services (both new and existing), and their distribution and logistics. Our commitment includes (but is not restricted to) the following practices:

- Comply with all applicable environmental, health, safety, and social laws and legislations, and codes of practice in every geography in which we operate.
- Reducing the environmental footprint of our infrastructure, and facilities through focused efforts to enhance energy efficiency and reduce Greenhouse Gas (GHG) emissions. It is also our constant endeavor to reduce greenhouse gas emissions in our supply chain through adopting sustainable procurement processes.
- Working towards reducing the negative environmental impact of our operations by focusing on managing waste responsibly and optimizing resources. We deploy the 3 R strategy i.e. (1) reduce resource utilization, (2) reuse resources and (3) recycle waste, supported by appropriate technology solutions to effectively manage all types of waste produced in our facilities, and processes.
- Working in collaboration with our suppliers, contractors, distributors, logistics partners, and service providers to reduce our environmental footprint and negative Environmental & Social (E&S) impact. Moreover, we incorporate E&S criteria in the selection of service providers, suppliers, contractors, distributors, and other key business partners and assess them on their E&S management practices. They need to mandatorily comply with similar E&S principles laid out in our Code of Conduct for Business Associates.
- Continue to create awareness among customers about the product lifecycle thus promoting safe usage of the product/service.
- Preventing environment, health, and safety incidents at our operations and responding swiftly and effectively should they occur, to protect our employees, external stakeholders, partners, and the environment.
- Educate, train, and motivate our employees to work in a safe, environmentally, and socially responsible manner.
- Continued focus on employee wellbeing, fitness, and continued support for initiatives that promote a healthy lifestyle.
- Comply with legal requirements regarding waste (hazardous & non-hazardous) generation, management, and disposal regulations.
- Foster dialog and discussions on EHS matters with our stakeholders, both internal and external for communicating risk, performance, and progress.
- Promote regulatory, statutory, environmental, health, and safety standards among all our joint ventures and subsidiaries, and mergers & acquisitions, including conducting due diligence based on similar criteria at the time of any mergers and acquisitions.
- Periodically review and improve our products and service offerings to improve the quality of life of our customers through technological developments, increasing coverage, creating adaptability, and promoting safe usage.
- Promote afforestation and strive to protect biodiversity in areas around our operations.



Message from the leadership

> At Lightstorm Telecom, we recognize that our business success is intertwined with the well-being of our stakeholders. Thanks to the support of our customers and partners, we have achieved one of our best years yet while also delivering positive results through our ESG initiatives.

Rajiv Nayyar
Chief Operating Officer

Dear valued stakeholders,

It is with great pleasure that I announce the release of Lightstorm Telecom Connectivity Private Limited's first-ever GHG Footprint report. As a company involved in building infrastructure for hyperscale networking in India, we have always been committed to sustainability and reducing our carbon footprint.

We understand that climate change is a global challenge that requires a collective effort, and as a responsible corporate citizen, we have taken the initiative to measure our GHG emissions and set targets to reduce them The GHG Footprint report has been prepared in accordance with the GHG Protocol, a widely recognized international standard for measuring and reporting GHG emissions. It provides a comprehensive overview of our carbon emissions for the calendar year 2022, including Scope 1, Scope 2, and Scope 3 emissions.

The report highlights that in the CY 2022, our company's total GHG emissions were 4696.86 metric tonnes of CO_2 equivalent, with Scope 1 emissions accounting for 0%, Scope 2 emissions accounting for 91.65%, and Scope 3 emissions accounting for 8.35% of our total emissions.

We are happy to share that we take several steps to reduce our carbon footprint, including:

- Implementing energy-efficient practices across our operations, including the use of energy-efficient lighting and equipment
- Encouraging the use of public transportation and carpooling among our employees
- Adopting green procurement practices that prioritize suppliers with sustainable practices.

We understand that sustainability is not just about reducing our carbon footprint, but also about creating value for our stakeholders. Therefore, we will continue to focus on sustainability in all our business operations, including designing and constructing environmentally friendly infrastructure.

We believe that our commitment to sustainability will not only benefit the environment but also enhance our business operations and reputation.

We welcome your feedback on our GHG Footprint report and our sustainability initiatives.

Executive Summary

Climate change is a critical global challenge that poses significant risks to both natural and human systems, with the potential to disrupt economies, social structures, and ecological systems worldwide. To address this challenge, governments, businesses, and citizens are actively engaged in developing and implementing various measures and initiatives aimed at mitigating the impact of greenhouse gas (GHG) emissions on the environment. The success of these initiatives depends on accurate quantification, monitoring, reporting, and verification of GHG emissions and/or removals, which necessitates a collaborative effort across international, regional, national, and local levels.

Lightstorm Telecom has published its inaugural annual report for the calendar year 2022, which outlines the company's carbon footprint measurements. The report is a testament to the company's commitment to sustaina - bility, which is deeply ingrained in its corporate culture and aligns with both the 2030 Sustainable Development Goals (SDGs) and India's Vision 2030.

Main Figures

■ Greenhouse gas emissions

Emission Scope & Activities	tCO_2e
Scope 1	**0.0**
Emissions due to fuel consumption	0.0
Scope 2	**4304.65**
Emissions due to electricity purchase for office's	52.29
Emissions due to electricity purchase for assets	4253.36
Scope 3	**392.21**
Emissions due to business travel	316.92
Emissions due to staff commute	68.89
Emissions due to home working	1.27
Emissions due to "Purchased goods" and services	0.60
Emissions due to "Capital goods"	4.52

Total emission: 4696.86

■ Our climate change targets

Reduce absolute GHG emissions

Install energy efficient equipments

1. Introduction

The Earth continuously attempts to maintain a balance between the incoming and outgoing sun's radiation. Only around 70% of the sun's visible and Ultraviolet (UV) radiation enters the atmosphere; part of this radiation is absorbed by water vapor, aerosols, and ozone, while the remaining part is absorbed by the Earth' surface then

The bulk of Earth's atmosphere (Oxygen and Nitrogen) absorbs this outgoing reflected radiation. However, there are other gases in the atmosphere namely carbon dioxide (Co_2), methane (CH_4), nitrous oxide (N_2O), and other gases that trap this outgoing reflected energy and radiate in all directions negatively impacting the energy balance. These gases are referred to as 'Greenhouse Gases' (GHG) and the impact is referred to as global warming resulting in climate change.

In addition to climate change impacts and needed mitigation measures, rising energy demands and prices in India are placing increased pressure on businesses. Managing carbon emissions and protecting the business from the risks associated with climate change therefore became fundamental to achieve sustainable development, greener corporate culture, and stronger stakeholder returns.

A carbon footprint is the heart of beginning such a journey. It's considered an essential foundation in identifying business behavior including energy consumption among others. Any business needs to integrate emission management into its strategy to allow for sustainable change in operational behavior.

1.1. DESCRIPTION OF THE COMPANY

Established in 2018, Lightstorm Telecom Connectivity Private Limited is a carrier-neutral network infrastructure platform in India that aims to drive business growth and innovation in the digital landscape. Lightstorm is building infrastructure for hyperscale networking in South Asia, Southeast Asia, and the Middle East to accelerate the region'sgrowth and spur innovation in the digital economy. Lightstorm is a pioneer in building a first-of-its-kind utility-grade resilient fiber network, SmartNet, in several countries in the region. Lightstorm's Network-as-a-Service (NaaS) platform, Polarin opens new opportunities for enterprises by providing a simple, secure and smart way to enhance their application performance and user experience. A trusted partner of several Fortune 500 companies, Lightstorm is creating a robust foundation of digital infrastructure to create new sources of value and differentiation for businesses.

55+
Connected data centers

4
Offices in Mumbai, Gurugram, Noida & Kolkata

200+
People & Advisory Team

Lightstorm Telecom has established a network of interconnected data centers throughout India, strategically located in various geographic locations.

2. Greenhouse Gas Inventory

2.1. OVERVIEW

Emission from all Lightstorm Telecom activities and businesses are set out in the greenhouse gas emissions (GHG) inventory as per standards and guidelines, including but not necessarily limited to the following:

- The Greenhouse Gas Protocol, which is recognized as the most widely used international accounting tool for the government and business sector.
- ISO 14064-1:2006 Greenhouse Gases Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals.
- Intergovernmental Panel on Climate Change (IPCC) Guidelines.

Lightstorm Telecom Corporate HSSE Unit representatives while establishing the GHG inventory of activities and businesses has applied the following principles of "The Greenhouse Gas Protocol";

- Relevance: An appropriate inventory boundary that reflects the GHG emissions of the company and serves the decision-making needs of users.
- Completeness: Accounting of all emission sources within the chosen inventory boundary. Any specific exclusion is disclosed and specified.
- Consistency: Meaningful comparison of information over time and transparently documented changes to the data.
- Transparency: Data inventory sufficiency and clarity, where relevant issues are addressed coherently.
- Accuracy: Minimized uncertainty and avoided systematic over or under quantification of greenhouse gas emissions.

2.2. ACTIVITY DATA

To calculate Lightstorm Telecom's GHG Footprint, all relevant GHG emissions from processes and activities occurring uniquely at Lightstorm Telecom'S were identified. Activity data was collected. The explanation was provided wherever activity data has not been available, and recommendations made for future improvements in data recording.

2.3. CALCULATION METHOD

The Carbon footprint study accounted for all six Kyoto GHG emissions;

- Carbon Dioxide (CO_2)
- Methane (CH_4)
- Nitrous Oxide (N_2O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulphur Hexafluoride (SF_6)

Metric tonnes Carbon dioxide equivalent (tCO_2e) is the main unit of measurement which allows different greenhouse gases to be compared on a like for like basis relative to one unit of CO_2.

Applied furmula (for emission calculations)

GHG Emission (tCO_2e) = Activity (unit of activity) x Emission Factor (tCO_2e/ unit of activity)

- The Greenhouse Gas Protocol - A Corporate Accounting and Reporting Standard, Revised Edition, was developed in a partnership between The World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBSCD) in 2004.

2.4. SCOPE AND BOUNDARIES

GHG avoidance calculations focus exclusively on offices, assets of Lightstorm Telecom located across States of India.

The dot represents Lightstorm Telecom's Office

The dot represents Lightstorm Telecom's asset in data centre.

2.5. OPERATIONAL LIMITS

The approach followed is control approach (financial). The company accounts for carbon footprint emissions from activities over which it has financial control. An organization has financial control over the operation, if it has the ability to direct the financial and operating policies of the operation with a view to gaining economic benefits from its activities.

The emitting activities covered in this carbon footprint report for CY 2022 includes direct emissions (including but not limited to emissions originated from fuel use), indirect emissions resulting from Lightstorm Telecom controlled equipment, assets, and emissions from purchased electricity as well as from its supply chain.

According to the Greenhouse Gas Protocol (The GHG Protocol) emissions are divided into direct and indirect emissions. Direct emissions are emissions originating from owned or controlled sources by the reporting entity. Indirect emissions are generated as a consequence of the reporting entity's activities, yet they occur at sources owned or controlled by another entity. The direct and indirect emissions are divided into three Scopes:

Companies shall separately account for and report on emissions from Scope 1 and 2. Scope 3 is an optional reporting category (WRI and WBCSD, 2004).

- Scope 1: Direct emissions from owned or controlled sources
- Scope 2: Indirect emissions from the generation of purchased energy
- Scope 3: Indirect emissions that occur in value chain, emissions upstream and downstream

Companies shall separately account for and report on emissions from Scope 1 and 2. Scope 3 is an optional reporting category (WRI and WBCSD, 2004).

Our coverage of reporting is as follows;

Scope 1: Direct
Emissions from sources that are owned or controlled by the company.

REPORTING COMPANY

- Company facilities
- Company equipments

Scope 2: Indirect
Emissions generated in the production of electricity, heat or steam consumed by the company.

UPSTREAM ACTIVITIES

- Purchased electricity, heating and cooling for own use

Scope 3: Indirect
Emissions from sources not owned or directly controlled by the company but that are a consequence of the activities of the company

UPSTREAM ACTIVITIES

- Business travel and employee commuting
- Fuel-and energy related activities
- Purchased goods and services
- Capital goods

2.6. ORGANIZATIONAL LIMITS

The GHG emissions and avoidance inventory in this report includes all the business and activities in accordance with the criterion of financial consolidation, in accordance with the shareholding percentages.

Digital & cloud native enterprise

Encompasses the carrier-neutral infrastructure platform business in India.

Companies:

- Lightstorm Telecom Connectivity Private Limited
- Lightstorm Data Centers Private Limited
- Lightstorm Telecom Networks Private Limited

Offices:

Includes all of the offices that are related to the activities described previously.

2.7. REPORTING PERIOD

The reporting period is set from January 1, 2022 to December 31, 2022.

2.8. DATA QUALITY AND COMPLETENESS

Emission Source	Data Quality	Data Resolution	Applied assumptions
Supply Chain		Data/Emission category	None
Purchased Electricity - Office Use		Consumption/month/location	None
Purchased Electricity - For Asset operations		Consumption/month/location	None

Good – No changes recommended

Satisfactory – Could be improved

Weak – A priority area for improvement

2.9. RELEVANCY AND EXCLUSIONS

The following exclusions of emission sources (and their explanations) are described below:

- Leakage resulted from the fire extinguisher, refrigerant leackage in HVAC systems are relevant but excluded within the emission estimation as relevant data not maintained during reporting period.
- Waste resulted from the Offices, Operations are relevant but excluded within the emission estimation as relevant data not maintained during reporting period.

2.10. EMISSION FACTORS

Emission factors convert activity data (e.g. amount of fuel used, kilometers driven, and kilowatt-hours of purchased electricity) into a value indicating carbon dioxide equivalent (CO_2e) emissions generated by that activity. The emission factors were identified based on the default values adopted by the IPCC, and The GHG Protocol, DEFRA, as well as individual researches.

Emission factors used

Factor	Value	Unit	Reference
Electricity Grid Emission Factor	0.92	tCO_2e/MWh	CO_2 Baseline Database for the Indian Power Sector, Version 18.0, Issued by The Central Electricity Authority, Government of India
Small Car - Diesel Based	0.13989	Kg CO_2e/km	DEFRA - UK Government GHG Conversion Factors for Company Reporting, full factor set 2022, Version 1.0
Medium Car - CNG Based	0.15803	Kg CO_2e/km	
Small Car - Diesel Based (Shared commute)	0.0466	Kg Co_2e/ passenger.km	
Small Car - Petrol Based	0.14652	Kg CO_2e/km	
Paper Use	739.37	Kg CO_2e/Tonne	
Domestic Flight (Short-haul, economy class)	0.15102	Kg Co_2e/ Passenger-km	
National Rail	0.03549	Kg Co_2e/ Passenger-km	
Regular taxi	0.20826	Kg CO_2e/km	
Motorbike (Size - small)	0.08306	Kg CO_2e/km	
Bus (Local)	0.10778	Kg Co_2e/ Passenger-km	
Metro, Mumbai Suburban train	0.02781	Kg Co_2e/ Passenger-km	
Auto rickshaw	0.1009	Kg CO_2e/km	
Home working: Office equipment	0.03168	Kg CO_2e/FTE working hour	
Paper (Closed-loop source)	719.56	Kg CO_2e/tonnes	
International flights (Premium economy class)	0.225	Kg Co_2e/ Passenger-km	
Hotel stay	58.9	Kg CO_2e/room/ night	
Water supply	0.149	Kg CO_2e/cubic metres	
Electrical equipment, appliances, and components	0.244	Kg CO_2e/2018 USD spent	US EPA - Supply Chain Greenhouse Gas Emission Factors for US Industries and Commodities, Record ID 349324, last revised 11/18/2022
Miscellaneous professional, scientific, and technical services	0.114	Kg CO_2e/2018 USD spent	
Administrative and support services	0.093	Kg CO_2e/2018 USD spent	
Educational services	0.18	Kg CO_2e/2018 USD spent	

3. Methodology & Calculation

3.1. BUILDING & ASSET RELATED EMISSIONS

3.1.1. Electricity

Methodology

Scope & Assumptions

Energy consumption for Lightstorm Telecom's offices, asset operations falls under Scope 2 (Indirect emissions). For the offices, assets considered, energy consumption is mainly represented in purchased electricity from the national grid, which is used for works i.e. lighting, heating, ventilation, equipment operation and air conditioning, etc., among other business activities.

Energy consumption for Lightstorm Telecom's staff doing home working falls under Scope 3 (Indirect emissions). For the home working considered, energy consumption is mainly represented in purchased electricity from the national grid, which is used for works i.e. lighting, heating, ventilation, equipment operation and air conditioning, etc., among other home working activities.

Activity data

Data on electricity consumption was obtained for the Lightstorm Telecom's offices, and operation assets from the relevant database, based on monthly readings, from January 1, 2022 to December 31, 2022.

Emission Factor

Country-specific grid electricity emission factor was obtained from The Central Electricity Authority's (a division of Ministry of Power, Government of India) publication with the title "User Guide - CO_2 Baseline Database for the Indian Power Sector, Version 16.0, Issued in March 2022."

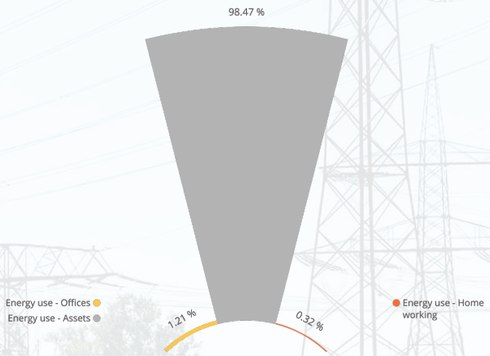
Calculations

Emissions were calculated by multiplying the national grid emission factor by the total energy consumption of the project site.

The Lightstorm Telecom's offices, asset under assessment consumed **4678.97 MWh** electricity during the CY 2022, which resulted in **4304.65 tCO_2e**.

The Lightstorm Telecom's staff home working under assessment resulted **40128 full-time equivalent working hours** during the CY 2022, which resulted in **1.27 tCO_2e**.

Allocation of emissions among office, asset related energy consumption categories



Allocation of emissions among different energy consumption categories

3.2. MOBILITY EMISSIONS

3.2.1. Employee Commuting

Methodology

Scope & Assumptions

Emissions due to staff commuting falls under Scope 3 (Indirect emissions) and includes emissions from the transportation of employees between their homes and work.

Activity data

GHG emissions from employee commuting (were calculated based on the results of a representative poll conducted among Lightstorm Telecom's employees in 2022 (92 out of 120 employees). Employees were asked about the distance travelled between their homes and workplaces and their means of transportation. GHG emissions were calculated by multiplying the travelled distance (264 days per year, back and forth), fuel consumption with the respective CO2e emissions factor accounting for the different means of transportation for period starting from January 1, 2022 to December 31, 2022.

Emission Factor & Calculations

The emission factor for different modes of transport, type of fuel consumed within passenger vehicles taken from DEFRA - UK Government GHG Conversion Factors for Company Reporting, full factor set 2022, Version 1.0.

The Lightstorm Telecom's staff commute during the CY 2022 resulted in **68.89 tCO_2e** cumulative emissions due to different modes of transport.

Mode of transport	Distance travelled (Km)	Net emissions (tCO_2e)
Commuting by personal car (small)	2,79,796	39.31
Commuting by rental cars (small)	81,259	15.87
Commuting by passenger vehicle (public transport)	4,664	0.48
Commuting by personal motorbike (small)	58,652	4.56
Commuting by Mumbai suburban	36,080	1.00
Commuting by Metro	1,26,896	3.53
Commuting by National Train	1,16,204	4.12

2,79,796
Passenger Km Travelled

58,652
Km Travelled

4,664
Km Travelled

To check a copy of the form used for the "Staff Commute Survey" from this link: https://bit.ly/3YnDjHg
For background calculation of represented results you may download and refer to our toolkit from this link: https://bit.ly/3Yn34r9

3.2.2. Business Travel

Methodology

Scope & Assumptions

Emissions due to business travel falls under Scope 3 (Indirect emissions) and includes emissions from the transportation of employees for business related activities in vehicles owned or operated by third parties, such as aircraft, trains, buses, and passenger cars.

Activity data

GHG emissions from business travel were calculated based on the information provided by central logistics department of Lightstorm Telecom which keeps the records of business travel booking and respective vendor payments. The representatives from E&S department of Lightstorm Telecom detailed data of all business travel booked by Lightstorm Telecom for period starting from January 1, 2022 to December 31, 2022.

Emission Factor

The emission factor for different modes of transport taken from DEFRA - UK Government GHG Conversion Factors for Company Reporting, full factor set 2022, Version 1.0.

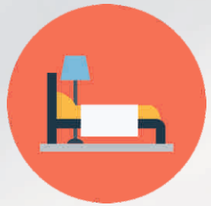
Calculations

The Lightstorm Telecom's staff business travel during the CY 2022 resulted in **316.92 tCO_2e** cumulative emissions due to different modes of transport.

Mode of transport	Distance travelled (Km)/ Room per night	Net emissions (tCO_2e)
Air travel (International - long haul)	1,65,000 (passenger.km)	37.13
Air travel (Domestic - short haul)	4,71,750 (passenger.km)	71.24
Rental cars	2,30,000 (passenger.km)	47.89
Rail travel	2,500 (passenger.km)	0.089
Hotel stay	2,726 (room per night)	160.56

2,500
Passenger Km Travelled

6,36,750
Passenger Km Travelled



2,726
Room night stay

For background calculation of represented results you may download and refer to our toolkit from this link: https://bit.ly/3JiiMzJ

3.3. GOODS AND SERVICES

Methodology

Scope & Assumptions

Emissions due to "Purchased Goods and Services", "Capital Goods" and "Water Supply" falls under Scope 3 (Indirect emissions) and includes emissions from the manufacturing/ processing/ treatment of utilized goods, services, water resources by the reporting company.

Activity data

GHG emissions from "Purchased Goods and Services", "Capital Goods" and "Water Supply" were calculated based on the information provided by central procuremeunt department of Lightstorm Telecom which keeps the records of service, goods procuremeunt and respective vendor payments. The representatives from E&S department of Lightstorm Telecom detailed data of all procurements by Lightstorm Telecom during period starting from January 1, 2022 to December 31, 2022.

Emission Factor

The emission factor for water supply taken from DEFRA - UK Government GHG Conversion Factors for Company Reporting, full factor set 2022, Version 1.0.

The emission factor for "Purchased Goods and Services", "Capital Goods" taken from US EPA - Supply Chain Greenhouse Gas Emission Factors for US Industries and Commodities, Record ID 349324, last revised 11/18/2022

Calculations

The Lightstorm Telecom during CY 2022 cumulatively spent 46,717,735.9 US Dollar on procurement of "Purchased Goods and Services", "Capital Goods" which resulted in a cumulative emission of 5.04 tCO_2e

The Lightstorm Telecom during CY 2022 consumed 498.96 Cubic Meter water suppy for drinking and other uses which resulted in a emission of 0.074 tCO_2e.

5.12
tCO_2e emission

46,717,735.9
US Dollar spent

498.96
Cubic Meter water consumed

For background calculation of represented results you may download and refer to our toolkit from this link: https://bit.ly/40zB995

4. Impact Assessment

In this chapter, the results of the CY 2022 GHG accounting estimation are presented.

The total GHG emissions due to Lightstorm Telecom's business operations are calculated **4696.85 tCO_2e**, and bifurcation into Scope 1, Scope 2 and Scope 3 emissions is as follows;

Emission Scope & Activities	tCO_2e	% of the total emissions
Scope 1	**0.0**	**0.00**
Emissions due to fuel consumption	0.0	0.00
Scope 2	**4304.65**	**91.65**
Emissions due to electricity purchase for office's	52.29	1.21
Emissions due to electricity purchase for assets	4253.36	98.79
Scope 3	**392.21**	**8.35**
Emissions due to business travel	316.92	80.81
Emissions due to staff commute	68.89	17.57
Emissions due to home working	1.27	0.32
Emissions due to "Purchased goods" and services	0.60	0.15
Emissions due to "Capital goods"	4.52	1.15

*Values in tCO_2e

We value your feedback

Your feedback is important for continuously improving our GHG footprint reporting. A few valuable comments could help us align our next year's report with your expectations.

1. Quality of content covered in the report?
   - A. Excellent
   - B. Good
   - C. Low
   - D. Poor

2. Clarity of information presented in the report?
   - A. Excellent
   - B. Good
   - C. Low
   - D. Poor

3. Quality of design of the report
   - A. Excellent
   - B. Good
   - C. Low
   - D. Poor

4. What additional information would you like to see in our future reports?

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5. Any other suggestions or areas of improvement?

Kindly provide your contact information for further correspondence:

Name :
Designation :
Organization :
Contact Address:

PLEASE EMAIL YOUR FEEDBACK TO:

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