

User Prompt

What is the GHG emissions intensity (Scope 1+2 per █ crore revenue) for Siemens Limited and Indraprastha Gas over the last 2 years?

Agents Conversation History

Sub-question 1: subquestion = What is the GHG emissions intensity (Scope 1+2 per █ crore revenue) reported by Siemens Limited for the last year?

worker_agent: answer =The GHG emissions intensity (Scope 1 + Scope 2 emissions per █ crore revenue) reported by Siemens Limited for the last year (FY 2023) is as follows:

- **Total Scope 1 and Scope 2 emission intensity per █ crore revenue:**
- **Metric tonnes of CO2 equivalent per █ crore revenue: 3.8.**

This metric represents the combined greenhouse gas emissions (Scope 1 and Scope 2) normalized per █ crore of revenue for FY 2023.

Sub-question 2: subquestion = What is the GHG emissions intensity (Scope 1+2 per █ crore revenue) reported by Siemens Limited for the year before last?

worker_agent: answer =The GHG emissions intensity (Scope 1 + Scope 2 per █ crore revenue) reported by Siemens Limited for the year before last (FY 2022-23) was **4.0 metric tonnes of CO2 equivalent per █ crore revenue.**

This figure reflects the combined emissions intensity of Scope 1 and Scope 2 greenhouse gas emissions normalized by the company's revenue from operations in FY 2022-23.

Sub-question 3: subquestion = What is the GHG emissions intensity (Scope 1+2 per █ crore revenue) reported by Indraprastha Gas Limited for the year before last?

worker_agent: answer =The GHG emissions intensity (Scope 1 + Scope 2 per █ crore revenue) reported by Indraprastha Gas Limited for the year before last (i.e., FY 2021-22) is **7.97 metric tonnes of CO2 equivalent per █ crore revenue.**

Relevant Data:

- **Metric:** Total Scope 1 and Scope 2 emission intensity per rupee of turnover.
- **Unit:** Metric tonnes CO2 equivalent per █ crore revenue.
- **Value for FY 2021-22** (Year Before Last): **7.97.**
- **Value for FY 2022-23** (Previous Year): **7.51.**

This data represents the combined GHG emissions intensity from Scope 1 and Scope 2 emissions, calculated in relation to the company's revenue from operations.

Sub-question 4: subquestion = What is the GHG emissions intensity (Scope 1+2 per █ crore revenue) reported by Indraprastha Gas Limited for the last year?

worker_agent: answer =The GHG emissions intensity (Scope 1+2 per █ crore revenue) reported by **Indraprastha Gas Limited** for the last year (FY 2022-23) is **7.97 metric tonnes of CO2 equivalent per █ crore of revenue.**

Breakdown of Relevant Data:

- **Scope 1 and Scope 2 Emissions:** Combined total emissions amount to **13,543 metric tonnes of CO2 equivalent** for FY 2022-23.
- **Emissions Intensity Per █ Crore Revenue:**
- Reported value: **7.97 metric tonnes CO2 equivalent per █ crore turnover.**

Notes:

- The increase in total GHG emissions (13,108 metric tonnes CO2 equivalent compared to the previous year) is primarily attributed to the amalgamation of TV18 Broadcast Limited and e-Eighteen.com Limited into the company.
- No independent assessment or assurance of the environmental data was carried out by an external agency.

All Context Chunks

Sub-question 1 Chunks

Chunk 1

Business Responsibility and Sustainability Report44 Siemens Limited

7. Provide details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY 2024 FY 2023

Total Scope 1 emissions (Break-up of the GHG into CO2, CH4, N2O, HFCs, PFCs, SF6, NF3, if available)

Metric tonnes of
CO2 equivalent

7,448 8,345

Total Scope 2 emissions (Break-up of the GHG into CO2, CH4, N2O, HFCs, PFCs, SF6, NF3, if available)

Metric tonnes of
CO2 equivalent

Location based: 32,902

Market based: 2,371

Location based: 32,186

Market based: 21,225

Total Scope 1 and Scope 2 emissions per
rupee of turnover (MT/ million rupees of
turnover)

Location based: 0.20

Market based: 0.05

Location based: 0.23

Market based: 0.16

Total Scope 1 and Scope 2 emission
intensity per rupee of turnover adjusted for
Purchasing Power Parity (PPP) (Total Scope
1 and Scope 2 GHG emissions / Revenue
from operations adjusted for PPP)

Location based: 3.98

Market based: 0.97

Location based: 5.17

Market based: 3.77

Total Scope 1 and Scope 2 emission intensity
in terms of physical output

Refer note 1 under
Essential indicator 1 of

this principle

Refer note 1 under
Essential indicator 1 of

this principle

Total Scope 1 and Scope 2 emission
intensity (optional) – the relevant metric
may be selected by the entity

NA NA

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an
external agency?
(Y/N) If yes, name of the external agency.

Yes, Reasonable assurance by Price Waterhouse Chartered Accountants LLP

Notes:

1. We report our emissions with reference to the latest Greenhouse Gas Protocol Corporate Accounting and Reporting

Standard (GHG Protocol).

2. Scope 1 Emission factors are reported as per the UN's Intergovernmental Panel on Climate Change (IPCC), 2006.

Chunk 2

44,600

Total Scope 1 and Scope 2 emission intensity per rupee of turnover

(Total Scope 1 and Scope 2 GHG emissions/Revenue from operations)

Metric tonnes of CO2

equivalent/` crore

3.8 4.0

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity

(Total Scope 1 and Scope 2 GHG emissions/Revenue from operations adjusted for PPP)

Metric tonnes of CO2

equivalent/\$ crore

86.9 90.9

Total Scope 1 and Scope 2 emission intensity in terms of physical output

Kg CO2 equivalent/KL 88.6 96.6

Notes:

1. The emissions from leased offices/warehouses accounted in Scope 3 Category 8 (leased assets) in FY 2022-23 has been accounted in Scope 1 and Scope 2 emissions. The number reported for Scope 3 in previous year has been appropriately revised.

2. Reasonable assurance has been carried out by Price Waterhouse Chartered Accountants LLP on above indicator.

8. Does the entity have any project related to reducing Green House Gas (GHG) emission? If Yes, then provide details.

GHG emissions reduction is an important focus area under our ESG commitments. As part of our Scope 1 and Scope 2 GHG emissions reduction plan, we focus on key enablers of energy efficiency and renewable energy.

Energy Efficiency:

The Company is committed to energy conservation and ensuring efficient energy usage at all operational facilities.

Energy management forms a vital part of the approach toward sustainable operations. During the year, multiple

energy efficiency projects were implemented in continuation of this long-term agenda such as X-plate nano

technology installation, Fitch Catalyst installation, switching to an electric boiler, etc. Our specific electricity

consumption at the decorative paints plants has been reduced by 36% from FY 2013-14.

Business Responsibility & Sustainability Report (Contd.)

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Renewable Electricity:

Chunk 3

intensity per lakh rupee of turnover
(Total Scope 1 and Scope 2 GHG emission /
Revenue from operations in lakh)

Metric tonnes of
CO₂ /Lakh rupees
of revenue from

operations

0.0745 0.0232

Total Scope 1 and Scope 2 emission
intensity per lakh rupee of turnover
adjusted for Purchasing Power Parity
(PPP)

(Total Scope 1 and Scope 2 GHG emission /
Revenue from operations adjusted for PPP
in lakh)

Metric tonnes of
CO₂ /Lakh rupees
of revenue from

operations adjusted
for PPP

1.6689 0.5149

Total Scope 1 and Scope 2 emission
intensity in terms of physical output*

• - -

Total Scope 1 and Scope 2 emission
intensity (optional) – the relevant metric
may be selected by the entity.

• - -

*As the Company is a service-based entity, there is no physical output or goods manufactured, so the field is not applicable.

Note: Last year the total Scope 1 and Scope 2 greenhouse gas (GHG) emission was 435 metric tonnes of CO2 equivalent. This year the total Scope 1 and Scope 2 greenhouse gas emission is 13,543 metric tonnes of CO2 equivalent. Increase of 13,108 metric tonnes of CO2 equivalent in GHG emissions is primarily due to the amalgamation of TV18 Broadcast Limited and e-Eighteen.com Limited into the Company.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

No.

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Due to the nature of its operations, the Company doesn't have any significant Green House Gas(GHG) emission. However, the Company is continuously evaluating ways to reduce electricity consumption. Few initiatives have been taken by the Company for reducing GHG emissions as below –

Project1: Shift from Halogen lights to LED for facility including studios.

Chunk 4

2,70,872 2,39,561

Total Scope 1 and Scope 2 emission
intensity per rupee of turnover
(Total Scope 1 and Scope 2 GHG
emissions / Revenue from operations)

Metric tonnes
CO2 Eq/Rs Crore

7.51 7.97

Total Scope 1 and Scope 2 emission
intensity per rupee of turnover adjusted
for Purchasing Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG
emissions / Revenue from operations
adjusted for PPP)

Metric tonnes
of CO2 Eq/ Rs
Crore

151.89 161.12

Total Scope 1 and Scope 2 emission
intensity in terms of physical output

Not Applicable Not Applicable

Total Scope 1 and Scope 2 emission
intensity (optional) – the relevant metric
may be selected by the entity

Metric tonnes of
CO2 Eq/ MVA

0.65 0.72

Value of CF/EF obtained from CEA User Guide (Version 19) IPCC AR-6, CII datasets and step analysis

Slight variations in values of Scope-1 for FY 2022-23 being reported here from those reported for FY 2022-23
is due to the use of updated CF/EF.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

Yes, M/s Grant Thornton Bharat LLP

8. Does the entity have any project related to reducing greenhouse gas emissions? If Yes, then provide

details.

Considering the catastrophic impacts of climate change, there is broad consensus among various stakeholders including Policy makers, Investors, Financial Institutions, Industries and citizens that every

possible efforts should be made to control and mitigate this possibly the greatest threat to the existence of Earth. POWERGRID as a responsible organization comprehensively shares this sense of urgency of taking effective measures to combat climate crisis, the world is facing today. Guided by our ambitious Goal of becoming a Net Zero Emission organization as mandated by our Board approved ESG Policy, we have started many initiatives towards reducing our Green House Gas emission:

Chunk 5

details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY-2024
(Current Financial Year)

FY-2023
(Previous Financial Year)

Total Scope 1 Emissions TCO₂e 138.88 95.66

Total Scope 2 Emissions TCO₂e 12924.84 12072.78

Total Scope 1 and Scope 2 emission intensity per rupee of turnover (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations)

TCO₂e/
Crore

2.24 2.52

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)

TCO₂e/
Million

5.12 5.78

Total Scope 1 and Scope 2 emission intensity in terms of physical output

Total Scope 1 and Scope 2 emission intensity (optional) the relevant metric may be selected by the entity

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Manappuram Finance Limited is dedicated to reducing Greenhouse Gas (GHG) emissions through several strategic initiatives:

1. Solar Electrification: We are implementing solar electrification systems across our head and branch offices to decrease our reliance on purchased electricity. This year, we achieved an 18% increase in solar electricity production compared to FY 2022-23, demonstrating our commitment to expanding renewable energy usage.

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2. Electric Vehicle Fleet: We are actively transitioning our vehicle fleet to electric vehicles (EVs). This initiative not only aims to reduce carbon emissions but also promotes sustainable transportation practices. In the reporting year, our adoption of electric vehicles has resulted in a reduction of 1923 KgCO₂e emissions.

These efforts underscore our firm commitment to environmental sustainability and align with our goals to mitigate climate change impacts within our operational footprint.

Chunk 6

Year)

FY 2023 (Previous
Financial Year)

Total Scope 1 emissions (Break-up of the GHG into CO₂,
CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂
equivalent

8,620 8492

Total Scope 2 emissions (Break-up of the GHG into CO₂,
CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂
equivalent

68,152 54703

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover (Total Scope 1 and Scope 2 GHG emissions /
Revenue from operations)

gmCO₂e/H 1.14 1.01

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)

tCO₂e/US\$ 95 84

*Total Scope 1 and Scope 2 emission intensity in terms of physical output

tCO₂e/ million Unit 10 12.4

Total Scope 1 and Scope 2 emission intensity (optional) – the relevant metric may be selected by the entity

NA NA NA

* Considering production and GHG from 4 formulation units (Roorkee, Salisbury, Spokane & Montreal)

Considering 1 H equals to 0.012 US\$ as on 18.4.2024

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

No. However, the Company publish a sustainability report following GRI Standards every year where all our sustainability performances are assured by Ernst & Young Associates & LLP.

8. Does the entity have any project related to reducing Green House Gas emissions? If Yes, then provide details.

The Company has a dedicated business excellence team that every year identifies different resource efficiency projects across manufacturing sites. These include energy-saving projects also. This year the Company has implemented 10 no. of new energy saving projects. New projects and last year carry forward projects, combined together a total of 17 projects led to a reduction of

Chunk 7

does not apply.

7. Details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity:

Parameter Unit FY 2023-24
(Current

Financial Year)

FY 2022-23
(Previous

Financial Year)

Total Scope 1 emissions (Break-up of the GHG into
CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes
of CO₂ equivalent

• -

Total Scope 2 emissions • in Metric Tonnes Metric tonnes
of CO₂ equivalent

1418.003 1356.003

Total Scope 1 and Scope 2 emissions per rupee of
turnover (Total Scope 1 and Scope 2 GHG emissions
/ Revenue from operations) • Metric Tonnes per
rupee of turnover

• 3.59416 4.01446

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover adjusted for Purchasing Power Parity
(PPP)* (Total Scope 1 and Scope 2 GHG emissions/
Revenue from operations adjusted for PPP)

• 7.26739 8.11723

Total Scope 1 and Scope 2 emission intensity in terms
of physical output – Metric Tonnes per employee

• 1.61504 2.50648

Total Scope 1 and Scope 2 emission intensity (optional)
– the relevant metric may be selected by the entity

• - -

*The revenue from operations has been recalibrated using the latest PPP conversion factor
published by the World Bank
for India in 2022, which stands at 20.22.

The physical output for calculation purpose is considered as the total number of employees in
respective FY.

Note: Indicate if any independent assessment/ evaluation/ assurance has been carried out by an
external agency? (Y/N)
If yes, name of the external agency.

The Company has not undertaken any independent assessment/ assurance of the environmental data.

Business Responsibility and Sustainability Report (BRSR) (Contd.)

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8. Does the entity have any project related to reducing Green House Gas (GHG) emission? If Yes, then provide details.

Chunk 8

details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit 2023-24
(Current Financial Year)

2022-23
(Previous Financial Year)

Total Scope 1 emissions (Break-up of the
GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆,
NF₃, if available)

Metric tonnes of CO₂
2

38,26,859 35,67,633

Total Scope 2 emissions (Break-up of the
GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆,
NF₃, if available)

Metric tonnes of CO₂
2

2,66,647 2,45,682

Total Scope 1 and Scope 2 emissions
intensity per rupee of turnover (Total Scope
1 and Scope 2 GHG emissions/Revenue from
operations)

tCO₂

2

/ Crores 580 568

Total Scope 1 and Scope 2 emission intensity
per rupee of turnover adjusted for Purchasing
Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions
(Metric tonnes of CO₂)/Revenue from
operations adjusted for PPP)*

tCO₂

2

/ Crores of

turnover adjusted to
PPP

13,250 13,000

Total Scope 1 and Scope 2 emission intensity
in terms of physical output

Kg CO₂

2

per MT of

cementitious material
(Prism Cement)

616 626

Note: Indicate if any independent assessment/evaluation/assurance has been carried out by an
external agency? (Y/N) If yes, name

of the external agency. No

*The revenue from operations has been adjusted for PPP based on the latest PPP conversion
factor published for the year 2022 by

Organisation for Economic Cooperation and Development (OECD) for India which is 22.88

2 The Company has disclosed CO₂

2

emissions for 2023-24 and 2022-23

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8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then

provide details.

Yes. Prism Cement has formulated a decarbonisation strategy and identified key levers that will enable it to achieve its

ambitions. These include:

Increase use of alternative raw materials and reduce clinker factor

Adoption of alternative fuels

Increase emphasis on energy conservation and efficiency

Chunk 9

Financial Year)

Total Scope 1 emissions
(Break-up of the GHG into
CO₂, CH₄, N₂O, HFCs, PFCs,
SF₆, NF₃, if available)

Metric tonnes of CO₂
equivalent

10334366 7985999.42

Total Scope 2 emissions
(Break-up of the GHG into
CO₂, CH₄, N₂O, HFCs, PFCs,
SF₆, NF₃, if available)

Metric tonnes of CO₂
equivalent

368584 419202

Total Scope 1 and Scope 2 emissions intensity per rupee
of turnover (Total Scope 1 and Scope 2 GHG emissions /
Revenue from operations) (Kg CO₂ equivalent/INR)

Metric tonnes of CO₂
equivalent /INR Lacs

9.8 9.6

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover adjusted for Purchasing Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions/ Revenue
from operations adjusted for PPP)

MT of CO₂ / INR. Cr 269 251

Total Scope 1 and Scope 2 emission intensity in terms of physical output (MT of CO2/tonne of Cementitious)

MT of CO2/tonne of Cementitious Material

0.565 0.565

Total Scope 1 and Scope 2 emission intensity (optional) – the relevant metric may be selected by the entity

— — —

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

DNV Business Assurance India Private Limited has carried out the independent assessment of the GRI Indicator assurance (Non-Financial) and BRSR core elements. The financial assurance was carried out by S.R Batliboi & Co. LLP.

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Cement, an indispensable material for construction, plays a pivotal role in the development of emerging markets

worldwide. However, the cement industry is also a significant contributor to global CO2 emissions, accounting for about 7% of the total and standing as the second-largest industrial emitter after the iron and steel sector.

Chunk 10

gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY 2023-24

(Current Financial Year)

FY 2022-23
(Previous

Financial Year)

Total Scope 1 emissions
(Break-up of the GHG into CO2, CH4, N2O, HFCs, PFCs, SF6, NF3, if

available)

Metric tonnes
of CO₂
equivalent

1549514 2186134

Total Scope 2 emissions
(Break-up of the GHG into
CO₂,CH₄,N₂O,HFCs,PFCs, SF₆,NF₃,
if available)

Metric tonnes
of CO₂
equivalent

258616 205992

Total of Scope 1 and 2 emissions Metric tonnes
of CO₂
equivalent

1808130 2392126

Total Scope 1 and Scope 2 0.000005 0.000004

Emission intensity per rupee of

Turnover (Total Scope 1 and Scope 2
GHG emissions / Revenue from
operations)

Total Scope 1 and Scope 2 Emission
intensity per rupee of turnover adjusted
for Purchasing Power Parity (PPP)*
(Total Scope 1 and Scope 2 GHG
emissions / Revenue from operations
adjusted for PPP)

0.0001144 0.0000915

Total Scope 1 and Scope 2
Emission intensity in terms of physical
output: Total emissions /total quantity of
sponge iron produced.

3.05 4.83

*The revenue from operations has been adjusted for PPP based on the latest PPP conversion factor published for the year 2022 by OECD which is 22.88 for India.

Note: Indicate if any independent assessment/evaluation/assurance has been carried out by an external agency?
(Y/N) If yes, name of the external agency. NO

8. Does the entity have any project related to reducing Green House Gas emission? If yes, then provide

details. • Yes, our company is in the process of relacing conventional power plants gradually with the Solar Energy.

9. Provide details related to waste management by the entity, in the following format:

Parameter FY 2023-24

(Current
Financial Year)

FY 2022-23
(Previous

Financial Year)

Total Waste generated (in metric tons)

29

Plastic waste (A) 3.440 2.210

Parameter FY 2023-24

Sub-question 2 Chunks

Chunk 1

7. Provide details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY 2024 FY 2023

Total Scope 1 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂ equivalent

7,448 8,345

Total Scope 2 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂ equivalent

Location based: 32,902

Market based: 2,371

Location based: 32,186

Market based: 21,225

Total Scope 1 and Scope 2 emissions per rupee of turnover (MT/ million rupees of turnover)

Location based: 0.20

Market based: 0.05

Location based: 0.23

Market based: 0.16

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)

Location based: 3.98

Market based: 0.97

Location based: 5.17

Market based: 3.77

Total Scope 1 and Scope 2 emission intensity
in terms of physical output

Refer note 1 under
Essential indicator 1 of

this principle

Refer note 1 under
Essential indicator 1 of

this principle
Total Scope 1 and Scope 2 emission
intensity (optional) – the relevant metric
may be selected by the entity

NA NA

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an
external agency?
(Y/N) If yes, name of the external agency.

Yes, Reasonable assurance by Price Waterhouse Chartered Accountants LLP

Notes:

1. We report our emissions with reference to the latest Greenhouse Gas Protocol Corporate
Accounting and Reporting

Standard (GHG Protocol).

2. Scope 1 Emission factors are reported as per the UN's Intergovernmental Panel on Climate
Change (IPCC), 2006.

Chunk 2

intensity per lakh rupee of turnover
(Total Scope 1 and Scope 2 GHG emission /
Revenue from operations in lakh)

Metric tonnes of
CO₂ /Lakh rupees
of revenue from

operations

0.0745 0.0232

Total Scope 1 and Scope 2 emission
intensity per lakh rupee of turnover

adjusted for Purchasing Power Parity
(PPP)

(Total Scope 1 and Scope 2 GHG emission /
Revenue from operations adjusted for PPP
in lakh)

Metric tonnes of
CO₂ /Lakh rupees
of revenue from

operations adjusted
for PPP

1.6689 0.5149

Total Scope 1 and Scope 2 emission
intensity in terms of physical output*

• - -

Total Scope 1 and Scope 2 emission
intensity (optional) – the relevant metric
may be selected by the entity.

• - -

*As the Company is a service-based entity, there is no physical output or goods manufactured, so the field is not applicable.

Note: Last year the total Scope 1 and Scope 2 greenhouse gas (GHG) emission was 435 metric tonnes of CO₂ equivalent. This year the total Scope 1 and Scope 2 greenhouse gas emission is 13,543 metric tonnes of CO₂ equivalent. Increase of 13,108 metric tonnes of CO₂ equivalent in GHG emissions is primarily due to the amalgamation of TV18 Broadcast Limited and e-Eighteen.com Limited into the Company.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

No.

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Due to the nature of its operations, the Company doesn't have any significant Green House Gas(GHG) emission. However, the Company is continuously evaluating ways to reduce electricity consumption. Few initiatives have been taken by the Company for reducing GHG emissions as below –

Project1: Shift from Halogen lights to LED for facility including studios.

Chunk 3

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Total Scope 1 and Scope 2 emission intensity per rupee of turnover

(Total Scope 1 and Scope 2 GHG emissions/Revenue from operations)

Metric tonnes of CO2

equivalent/` crore
3.8 4.0

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity

(Total Scope 1 and Scope 2 GHG emissions/Revenue from operations adjusted for PPP)

Metric tonnes of CO2

equivalent/\$ crore
86.9 90.9

Total Scope 1 and Scope 2 emission intensity in terms of physical output

Kg CO2 equivalent/KL 88.6 96.6

Notes:

1. The emissions from leased offices/warehouses accounted in Scope 3 Category 8 (leased assets) in FY 2022-23 has been accounted in Scope 1 and Scope 2 emissions. The number reported for Scope 3 in previous year has been appropriately revised.

2. Reasonable assurance has been carried out by Price Waterhouse Chartered Accountants LLP on above indicator.

8. Does the entity have any project related to reducing Green House Gas (GHG) emission? If Yes, then provide details.

GHG emissions reduction is an important focus area under our ESG commitments. As part of our Scope 1 and Scope 2 GHG emissions reduction plan, we focus on key enablers of energy efficiency and renewable energy.

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Business Responsibility & Sustainability Report (Contd.)

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Renewable Electricity:

Chunk 4

2,70,872 2,39,561

Total Scope 1 and Scope 2 emission
intensity per rupee of turnover
(Total Scope 1 and Scope 2 GHG
emissions / Revenue from operations)

Metric tonnes
CO2 Eq/Rs Crore

7.51 7.97

Total Scope 1 and Scope 2 emission
intensity per rupee of turnover adjusted
for Purchasing Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG
emissions / Revenue from operations
adjusted for PPP)

Metric tonnes
of CO2 Eq/ Rs
Crore

151.89 161.12

Total Scope 1 and Scope 2 emission
intensity in terms of physical output

Not Applicable Not Applicable

Total Scope 1 and Scope 2 emission intensity (optional) – the relevant metric may be selected by the entity

Metric tonnes of CO2 Eq/ MVA

0.65 0.72

Value of CF/EF obtained from CEA User Guide (Version 19) IPCC AR-6, CII datasets and step analysis

Slight variations in values of Scope-1 for FY 2022-23 being reported here from those reported for FY 2022-23
is due to the use of updated CF/EF.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

Yes, M/s Grant Thornton Bharat LLP

8. Does the entity have any project related to reducing greenhouse gas emissions? If Yes, then provide

details.

Considering the catastrophic impacts of climate change, there is broad consensus among various stakeholders including Policy makers, Investors, Financial Institutions, Industries and citizens that every possible efforts should be made to control and mitigate this possibly the greatest threat to the existence of Earth. POWERGRID as a responsible organization comprehensively shares this sense of urgency of taking effective measures to combat climate crisis, the world is facing today. Guided by our ambitious Goal of becoming a Net Zero Emission organization as mandated by our Board approved ESG Policy, we have started many initiatives towards reducing our Green House Gas emission:

Chunk 5

details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY-2024
(Current Financial Year)

FY-2023
(Previous Financial Year)

Total Scope 1 Emissions TCO2e 138.88 95.66

Total Scope 2 Emissions TCO₂e 12924.84 12072.78

Total Scope 1 and Scope 2 emission intensity per rupee of turnover (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations)

TCO₂e/
Crore

2.24 2.52

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)

TCO₂e/
Million

5.12 5.78

Total Scope 1 and Scope 2 emission intensity in terms of physical output

Total Scope 1 and Scope 2 emission intensity (optional) the relevant metric may be selected by the entity

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Manappuram Finance Limited is dedicated to reducing Greenhouse Gas (GHG) emissions through several strategic initiatives:

1. Solar Electrification: We are implementing solar electrification systems across our head and branch offices to decrease our reliance on purchased electricity. This year, we achieved an 18% increase in solar electricity production compared to FY 2022-23, demonstrating our commitment to expanding renewable energy usage.

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2. Electric Vehicle Fleet: We are actively transitioning our vehicle fleet to electric vehicles (EVs). This initiative not only aims to reduce carbon emissions but also promotes sustainable transportation practices. In the reporting year, our adoption of electric vehicles has resulted in a reduction of 1923 KgCO₂e emissions.

These efforts underscore our firm commitment to environmental sustainability and align with our goals to mitigate climate change impacts within our operational footprint.

Chunk 6

Year)

FY 2023 (Previous
Financial Year)

Total Scope 1 emissions (Break-up of the GHG into CO₂,
CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂
equivalent

8,620 8492

Total Scope 2 emissions (Break-up of the GHG into CO₂,
CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂
equivalent

68,152 54703

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover (Total Scope 1 and Scope 2 GHG emissions /
Revenue from operations)

gmCO₂e/H 1.14 1.01

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover adjusted for Purchasing Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions / Revenue from
operations adjusted for PPP)

tCO₂e/US\$ 95 84

*Total Scope 1 and Scope 2 emission intensity in terms of
physical output

tCO₂e/ million Unit 10 12.4

Total Scope 1 and Scope 2 emission intensity (optional) –
the relevant metric may be selected by the entity

NA NA NA

* Considering production and GHG from 4 formulation units (Roorkee, Salisbury, Spokane &
Montreal)

Considering 1 H equals to 0.012 US\$ as on 18.4.2024

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an
external agency? (Y/N) If yes,

name of the external agency.

No. However, the Company publish a sustainability report following GRI Standards every year where all our sustainability performances are assured by Ernst & Young Associates & LLP.

8. Does the entity have any project related to reducing Green House Gas emissions? If Yes, then provide details.

The Company has a dedicated business excellence team that every year identifies different resource efficiency projects across manufacturing sites. These include energy-saving projects also. This year the Company has implemented 10 no. of new energy saving projects. New projects and last year carry forward projects, combined together a total of 17 projects led to a reduction of

Chunk 7

does not apply.

7. Details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity:

Parameter Unit FY 2023-24
(Current

Financial Year)

FY 2022-23
(Previous

Financial Year)

Total Scope 1 emissions (Break-up of the GHG into
CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes
of CO₂ equivalent

• -

Total Scope 2 emissions • in Metric Tonnes Metric tonnes
of CO₂ equivalent

1418.003 1356.003

Total Scope 1 and Scope 2 emissions per rupee of
turnover (Total Scope 1 and Scope 2 GHG emissions
/ Revenue from operations) • Metric Tonnes per
rupee of turnover

• 3.59416 4.01446

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)* (Total Scope 1 and Scope 2 GHG emissions/ Revenue from operations adjusted for PPP)

• 7.26739 8.11723

Total Scope 1 and Scope 2 emission intensity in terms of physical output – Metric Tonnes per employee

• 1.61504 2.50648

Total Scope 1 and Scope 2 emission intensity (optional) – the relevant metric may be selected by the entity

• - -

*The revenue from operations has been recalibrated using the latest PPP conversion factor published by the World Bank for India in 2022, which stands at 20.22.

The physical output for calculation purpose is considered as the total number of employees in respective FY.

Note: Indicate if any independent assessment/ evaluation/ assurance has been carried out by an external agency? (Y/N)
If yes, name of the external agency.

The Company has not undertaken any independent assessment/ assurance of the environmental data.

Business Responsibility and Sustainability Report (BRSR) (Contd.)

5paisa Capital Limited

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8. Does the entity have any project related to reducing Green House Gas (GHG) emission? If Yes, then provide details.

Chunk 8

to Global Reporting Initiative Standards based on WRI (World Resource Institute), WBCSD (World Business Council for Sustainable Development) & GHG protocol. The same has been independently assured by third-party agency DNV Business Assurance India Private Limited via reasonable level of assurance based on Global Reporting Initiative (GRI) Sustainability Reporting, AA1000AS Assurance Standard from

AccountAbility, International Standard on Assurance Engagements 3000 (ISAE 3000 Revised) from the International Federation of Accountants, and international assurance best practices.

Our vision for a limitless future. Faster. Together.44

7. Provide details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) and its intensity in the following format:

Parameter Unit
FY 2023-24

(Current Financial Year)
FY 2022-23

(Previous Financial Year)

Total Scope 1 emissions

(Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂
equivalent

1,663 2,604

Total Scope 2 emissions

(Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂
equivalent

22,937 15,717

Total Scope 1 and Scope 2 emission intensity per rupee of turnover (Total Scope 1 and Scope 2 GHG emissions/ Revenue from operations)

Metric tonnes of CO₂
equivalent per H crore
of turnover

0.69 0.55

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)

(Total Scope 1 and Scope 2 GHG emissions/Revenue from operations adjusted for PPP)

Metric tonnes of CO2
equivalent per million
USD

1.58 1.26

Total Scope 1 and Scope 2 emission intensity in terms
of physical output

Metric tonnes of
CO2 equivalent per
employee

0.32 0.61

Total Scope 1 and Scope 2 emission intensity
(optional) – the relevant metric may be selected by the entity

Metric tonnes of CO2
equivalent per square
feet

0.0069 0.0032

Chunk 9

(Current
Financial Year)

FY 2022-23
(Previous

Financial Year)

Total Scope 1 emissions (Break-up of the GHG into
CO2, CH4, N2O, HFCs, PFCs, SF6, NF3, if available)

tCO2e 3453.10 3478.08

Total Scope 2 emissions (Break-up of the GHG into
CO2, CH4, N2O, HFCs, PFCs, SF6, NF3, if available)

tCO2e 4094.67 5078.84

Total Scope 1 and Scope 2 emission intensity per
rupee of turnover
(Total Scope 1 and Scope 2 GHG emissions /
Revenue from operations)

tCO2e/Crore INR 18.45 20.97

Total Scope 1 and Scope 2 emission intensity per
rupee of turnover adjusted for Purchasing Power
Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions / Revenue
from operations adjusted for PPP)

tCO2e/Crore INR 422.22 479.91

Total Scope 1 and Scope 2 emission intensity in
terms of physical output

Total Scope 1 and Scope 2 emission intensity
(optional) – the relevant metric may be selected
by the entity

tCO2e/Guest
Nights

0.023 0.026

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an
external agency? (Y/N) If
yes, name of the external agency.

Not applicable

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8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then
provide
detail

Yes, OHL strives to reduce energy consumption rates through improved efficiency and adopting
new technology or practices.
Each of our hotels has implemented a range of energy conservation initiatives according to the
specific requirements. OHL
has also partnered with IFC to put energy efficient installations at place. Switching to LED lighting
in several locations,
infrastructure upgrades such as installing VFDs on high power motors in condensers, exhaust
fans, cooling tower fans and
air handling units. Upgrading the infrastructure of cooling towers, installing heat pumps for water
heaters, and even simple

Chunk 10

details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the
following format:

Parameter Unit 2023-24
(Current Financial Year)

2022-23
(Previous Financial Year)

Total Scope 1 emissions (Break-up of the
GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆,
NF₃, if available)

Metric tonnes of CO
2

38,26,859 35,67,633

Total Scope 2 emissions (Break-up of the
GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆,
NF₃, if available)

Metric tonnes of CO
2

2,66,647 2,45,682

Total Scope 1 and Scope 2 emissions
intensity per rupee of turnover (Total Scope
1 and Scope 2 GHG emissions/Revenue from
operations)

tCO
2
/ Crores 580 568

Total Scope 1 and Scope 2 emission intensity
per rupee of turnover adjusted for Purchasing
Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions
(Metric tonnes of CO₂)/Revenue from
operations adjusted for PPP)*

tCO
2
/ Crores of

turnover adjusted to
PPP

13,250 13,000

Total Scope 1 and Scope 2 emission intensity
in terms of physical output

Kg CO
2
per MT of

cementitious material
(Prism Cement)

616 626

Note: Indicate if any independent assessment/evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name

of the external agency. No

*The revenue from operations has been adjusted for PPP based on the latest PPP conversion factor published for the year 2022 by

Organisation for Economic Cooperation and Development (OECD) for India which is 22.88

2 The Company has disclosed CO
2
emissions for 2023-24 and 2022-23

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8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Yes. Prism Cement has formulated a decarbonisation strategy and identified key levers that will enable it to achieve its

ambitions. These include:

Increase use of alternative raw materials and reduce clinker factor

Adoption of alternative fuels

Increase emphasis on energy conservation and efficiency

Sub-question 3 Chunks

Chunk 1

intensity per lakh rupee of turnover
(Total Scope 1 and Scope 2 GHG emission /
Revenue from operations in lakh)

Metric tonnes of
CO₂ /Lakh rupees
of revenue from

operations

0.0745 0.0232

Total Scope 1 and Scope 2 emission
intensity per lakh rupee of turnover
adjusted for Purchasing Power Parity
(PPP)

(Total Scope 1 and Scope 2 GHG emission /
Revenue from operations adjusted for PPP
in lakh)

Metric tonnes of
CO₂ /Lakh rupees
of revenue from

operations adjusted
for PPP

1.6689 0.5149

Total Scope 1 and Scope 2 emission
intensity in terms of physical output*

• - -

Total Scope 1 and Scope 2 emission
intensity (optional) – the relevant metric
may be selected by the entity.

• - -

*As the Company is a service-based entity, there is no physical output or goods manufactured, so the field is not applicable.

Note: Last year the total Scope 1 and Scope 2 greenhouse gas (GHG) emission was 435 metric tonnes of CO₂ equivalent. This year the total Scope 1 and Scope 2 greenhouse gas emission is 13,543 metric tonnes of CO₂ equivalent. Increase of 13,108 metric tonnes of CO₂ equivalent in GHG emissions is primarily due to the amalgamation of TV18 Broadcast Limited and e-Eighteen.com Limited into the Company.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

No.

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Due to the nature of its operations, the Company doesn't have any significant Green House Gas(GHG) emission. However, the Company is continuously evaluating ways to reduce electricity consumption. Few initiatives have been taken by the Company for reducing GHG emissions as below –

Project1: Shift from Halogen lights to LED for facility including studios.

Chunk 2

2,70,872 2,39,561

Total Scope 1 and Scope 2 emission intensity per rupee of turnover
(Total Scope 1 and Scope 2 GHG emissions / Revenue from operations)

Metric tonnes
CO2 Eq/Rs Crore

7.51 7.97

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)

Metric tonnes
of CO2 Eq/ Rs
Crore

151.89 161.12

Total Scope 1 and Scope 2 emission intensity in terms of physical output

Not Applicable Not Applicable

Total Scope 1 and Scope 2 emission intensity (optional) – the relevant metric may be selected by the entity

Metric tonnes of
CO2 Eq/ MVA

0.65 0.72

Value of CF/EF obtained from CEA User Guide (Version 19) IPCC AR-6, CII datasets and step analysis

Slight variations in values of Scope-1 for FY 2022-23 being reported here from those reported for FY 2022-23

is due to the use of updated CF/EF.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

Yes, M/s Grant Thornton Bharat LLP

8. Does the entity have any project related to reducing greenhouse gas emissions? If Yes, then provide

details.

Considering the catastrophic impacts of climate change, there is broad consensus among various stakeholders including Policy makers, Investors, Financial Institutions, Industries and citizens that every

possible efforts should be made to control and mitigate this possibly the greatest threat to the existence

of Earth. POWERGRID as a responsible organization comprehensively shares this sense of urgency of taking

effective measures to combat climate crisis, the world is facing today. Guided by our ambitious Goal of

becoming a Net Zero Emission organization as mandated by our Board approved ESG Policy, we have started

many initiatives towards reducing our Green House Gas emission:

Chunk 3

does not apply.

7. Details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity:

Parameter Unit FY 2023-24

(Current

Financial Year)

FY 2022-23

(Previous

Financial Year)

Total Scope 1 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes

of CO2 equivalent

• -

Total Scope 2 emissions • in Metric Tonnes Metric tonnes
of CO2 equivalent

1418.003 1356.003

Total Scope 1 and Scope 2 emissions per rupee of
turnover (Total Scope 1 and Scope 2 GHG emissions
/ Revenue from operations) • Metric Tonnes per
rupee of turnover

• 3.59416 4.01446

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover adjusted for Purchasing Power Parity
(PPP)* (Total Scope 1 and Scope 2 GHG emissions/
Revenue from operations adjusted for PPP)

• 7.26739 8.11723

Total Scope 1 and Scope 2 emission intensity in terms
of physical output – Metric Tonnes per employee

• 1.61504 2.50648

Total Scope 1 and Scope 2 emission intensity (optional)
– the relevant metric may be selected by the entity

• - -

*The revenue from operations has been recalibrated using the latest PPP conversion factor
published by the World Bank
for India in 2022, which stands at 20.22.

The physical output for calculation purpose is considered as the total number of employees in
respective FY.

Note: Indicate if any independent assessment/ evaluation/ assurance has been carried out by an
external agency? (Y/N)
If yes, name of the external agency.

The Company has not undertaken any independent assessment/ assurance of the environmental
data.

Business Responsibility and Sustainability Report (BRSR) (Contd.)

5paisa Capital Limited

8. Does the entity have any project related to reducing Green House Gas (GHG) emission? If Yes, then provide details.

Chunk 4

details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY-2024
(Current Financial Year)

FY-2023
(Previous Financial Year)

Total Scope 1 Emissions TCO₂e 138.88 95.66

Total Scope 2 Emissions TCO₂e 12924.84 12072.78

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover (Total Scope 1 and Scope 2 GHG emissions /
Revenue from operations)

TCO₂e/
Crore

2.24 2.52

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover adjusted for Purchasing Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions / Revenue from
operations adjusted for PPP)

TCO₂e/
Million

5.12 5.78

Total Scope 1 and Scope 2 emission intensity in terms of
physical output

Total Scope 1 and Scope 2 emission intensity (optional) the
relevant metric may be selected by the entity

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Manappuram Finance Limited is dedicated to reducing Greenhouse Gas (GHG) emissions through

several strategic initiatives:

1. Solar Electrification: We are implementing solar electrification systems across our head and branch offices to decrease our reliance on purchased electricity. This year, we achieved an 18% increase in solar electricity production compared to FY 2022-23, demonstrating our commitment to expanding renewable energy usage.

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2. Electric Vehicle Fleet: We are actively transitioning our vehicle fleet to electric vehicles (EVs). This initiative not only aims to reduce carbon emissions but also promotes sustainable transportation practices. In the reporting year, our adoption of electric vehicles has resulted in a reduction of 1923 KgCO₂e emissions.

These efforts underscore our firm commitment to environmental sustainability and align with our goals to mitigate climate change impacts within our operational footprint.

Chunk 5

(Total Scope 1 and Scope 2 GHG emissions /
Revenue from operations)

Tonne per Crore
INR 2.6 3.3

Total Scope 1 and Scope 2 emission intensity per
rupee of turnover adjusted for Purchasing Power
Parity (PPP)

Tonne per Crore INR
adjusted for PPP 59.8 76.6

Total Scope 1 and Scope 2 emission intensity in
terms of physical output

Emission tCO₂e/
million cigarette
sticks

0.72 0.80

Total Scope 1 and Scope 2 emission intensity
(optional) – the relevant metric may be selected by the entity • -

Note: Indicate if any independent assessment/ evaluation/ assurance has been carried out by an external agency? (Y/N)

If yes, name of the external agency: No

* Scope 1 emissions for reporting year has increased due to the inclusion of fugitive emissions and

emissions from petrol.

In addition to that, Scope 1 emissions for previous year has been updated due to change in methodology adopted.

For PPP, 22.4 National currency units/US dollar has been used. Source: IMF (2024), Purchasing power parities (PPP) (indicator).

Emission intensity in terms of physical output includes only cigarette manufacturing factories.

8. Does the entity have any project related to reducing Greenhouse Gas emissions? If yes, then provide details:

Yes, GPIL focuses on energy efficiency through process improvements and investments in new technologies.

Over the years, the Company has implemented measures to reduce GHG emissions like installation of dry

screw vacuum generation technology (VFD based), installation of energy efficient equipment such as chillers,

AHUs, motors, fans, pumps, agitators. Recently, GPIL has installed a dual fuel kit in the running DG set

of 1250 KVA which runs on 70 % gas & 30 % HSD, hence reduces the emissions of greenhouse gases.

Additionally, in Andhra Pradesh, a park with 114 trees, two 7 acre bio-diversity parks at Darsi with 2077

trees, and Kurichedu with 2498 trees and another 8 acre at Parchur with 4761 trees have been developed.

Chunk 6

emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂ equivalent 1476

1016.87

Total Scope 1 and Scope 2 emissions Metric tonnes of CO₂ equivalent/INR Lacs

1564.83
1131.86

Revenue(in INR Lakhs) 121369 115079
Total Scope 1 and Scope 2 emission intensity per rupee of turnover (Total Scope 1 and Scope 2 GHG emissions/ Revenue from operations)

Metric tonnes of CO₂ equivalent/INR Lacs

0.013 0.01

Total Scope 1 and Scope 2 emission
intensity per rupee of turnover adjusted
for Purchasing Power Parity (PPP) (Total
Scope 1 and Scope 2 GHG emissions/
Revenue from operations adjusted for PPP)

0.003 0.002

Total Scope 1 and Scope 2 emission
intensity in terms of physical output

Not Monitored Not Monitored

Total Scope 1 and Scope 2 emission
intensity (optional) – the relevant metric may
be selected by the entity

0 0

9 Please note that only the greenhouses emissions of Naroda were considered for the calculation.
The facility at Naroda
represents the significant location of operation for IRIL.

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Note: Note: In FY 2022-2023, reported scope 1 emission has been revised owing to correction in
emission factor.

The revenue from operations has been adjusted for PPP using the latest PPP conversion factor
published by the World
Bank for India for the year 2023, which is 20.22

The greenhouse emission of manufacturing facility at Naroda were considered for the above
calculation. The facility at
Naroda represents the significant location of operation for the Company.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an
external agency? (Y/N) If yes, name of the
external agency.

No.

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then
provide details.

Yes, we have implemented following projects for reducing greenhouse gas emission through energy conservation.

Chunk 7

details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit 2023-24
(Current Financial Year)

2022-23
(Previous Financial Year)

Total Scope 1 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂
2

38,26,859 35,67,633

Total Scope 2 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂
2

2,66,647 2,45,682

Total Scope 1 and Scope 2 emissions intensity per rupee of turnover (Total Scope 1 and Scope 2 GHG emissions/Revenue from operations)

tCO₂
2
/ Crores 580 568

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions (Metric tonnes of CO₂)/Revenue from operations adjusted for PPP)*

tCO₂
2
/ Crores of

turnover adjusted to
PPP

13,250 13,000

Total Scope 1 and Scope 2 emission intensity
in terms of physical output

Kg CO
2
per MT of

cementitious material
(Prism Cement)

616 626

Note: Indicate if any independent assessment/evaluation/assurance has been carried out by an
external agency? (Y/N) If yes, name

of the external agency. No

*The revenue from operations has been adjusted for PPP based on the latest PPP conversion
factor published for the year 2022 by

Organisation for Economic Cooperation and Development (OECD) for India which is 22.88

2 The Company has disclosed CO
2
emissions for 2023-24 and 2022-23

37

STATUTORY REPORTS

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then
provide details.

Yes. Prism Cement has formulated a decarbonisation strategy and identified key levers that will
enable it to achieve its

ambitions. These include:

Increase use of alternative raw materials and reduce clinker factor

Adoption of alternative fuels

Increase emphasis on energy conservation and efficiency

greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit
FY 2023-2024

(Current Financial Year)
FY 2022-23

(Previous Financial Year)

Total Scope 1 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

tCO₂e 4,09,576.40 3,85,750.52

Total Scope 2 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

tCO₂e 0.00 0.00

Total Scope 1 and Scope 2 emissions per rupee of turnover

0.0000098 0.0000092

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)

0.0008160

(1\$=83.3739 INR)

0.0007602

(1\$= 82.2169INR)

Total Scope 1 and Scope 2 emission intensity in terms of physical output

tCO₂e/MT 0.846 0.955

Scope 2 is zero because we are net exporter of electricity.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency?

(Y/N) If yes, name of the external agency –

Yes, we have employed an independent 3rd rd party to account our for GHG emission. This particular assessment was carried out by M/S AUROSHE during the current reporting year. Accounting is done in accordance with the of methodologies detailed by the Green House Gas Protocol which is a global standard.

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

At Himadri, we fulfill 90% of our power requirements through our 28MW capacity power plant, showcasing our dedication to environment preservation. To reduce waste gas and off-gas venting during carbon black production, we've implemented an innovative process that recirculates and feeds off-gas into power generation, significantly lowering Greenhouse Gas (GHG) emissions. Our power plant features three boilers that adequately meet the

Chunk 9

gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY 2023-24

(Current
Financial Year)

FY 2022-23
(Previous

Financial Year)

Total Scope 1 emissions
(Break-up of the GHG into CO₂,
CH₄,N₂O,HFCs,PFCs, SF₆,NF₃, if
available)

Metric tonnes
of CO₂
equivalent

1549514 2186134

Total Scope 2 emissions
(Break-up of the GHG into
CO₂,CH₄,N₂O,HFCs,PFCs, SF₆,NF₃,
if available)

Metric tonnes

of CO2
equivalent

258616 205992

Total of Scope 1 and 2 emissions Metric tonnes
of CO2
equivalent

1808130 2392126

Total Scope 1 and Scope 2 0.000005 0.000004

Emission intensity per rupee of

Turnover (Total Scope 1 and Scope 2
GHG emissions / Revenue from
operations)

Total Scope 1 and Scope 2 Emission
intensity per rupee of turnover adjusted
for Purchasing Power Parity (PPP)*
(Total Scope 1 and Scope 2 GHG
emissions / Revenue from operations
adjusted for PPP)

0.0001144 0.0000915

Total Scope 1 and Scope 2
Emission intensity in terms of physical
output: Total emissions /total quantity of
sponge iron produced.

3.05 4.83

*The revenue from operations has been adjusted for PPP based on the latest PPP conversion factor published for the year 2022 by OECD which is 22.88 for India.

Note: Indicate if any independent assessment/evaluation/assurance has been carried out by an external agency?
(Y/N) If yes, name of the external agency. NO

8. Does the entity have any project related to reducing Green House Gas emission? If yes, then provide

details. • Yes, our company is in the process of relacing conventional power plants gradually with

the
Solar Energy.

9. Provide details related to waste management by the entity, in the following format:

Parameter FY 2023-24

(Current
Financial Year)

FY 2022-23
(Previous

Financial Year)

Total Waste generated (in metric tons)

29

Plastic waste (A) 3.440 2.210

Parameter FY 2023-24

Chunk 10

company has invested in replacement and upgrade of the DG set to meet the regulatory compliance as per Commission for Air Quality Management hence reduction in values of air emissions is observed.

7. Provide details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY24 FY23

Total Scope 1 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂ equivalent 212.56 1070.49

Total Scope 2 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂ equivalent 1111.60 677.24

Total Scope 1 and Scope 2 emission intensity per rupee of turnover (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations)

0.000000085 0.000000433

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)* (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)

0.0000000037 0.0000000190

Total Scope 1 and Scope 2 emission intensity in terms of physical output (Total Scope 1 and Scope 2 GHG emissions / Per Person)

0.6453 1.0203

Total Scope 1 and Scope 2 emission intensity (optional) – the relevant metric may be selected by the entity

Not applicable Not applicable

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency. – No

Note: Scope 1 emissions we have considered DG fuel (Diesel), Refrigerant gas, Extinguisher gas & Company Owned Vehicle fuel.

* The above numbers are calculated taking the actual consumption factor with the standard rate as per GHG protocol. The revenue from operations has been adjusted for PPP based on the latest PPP conversion factor published for the year 2022 by World Bank for India which is 22.88.

8. Does the entity have any project related to reducing Green House Gas emission?

Sub-question 4 Chunks

Chunk 1

intensity per lakh rupee of turnover
(Total Scope 1 and Scope 2 GHG emission /
Revenue from operations in lakh)

Metric tonnes of
CO2 /Lakh rupees
of revenue from

operations

0.0745 0.0232

Total Scope 1 and Scope 2 emission
intensity per lakh rupee of turnover
adjusted for Purchasing Power Parity
(PPP)

(Total Scope 1 and Scope 2 GHG emission /
Revenue from operations adjusted for PPP
in lakh)

Metric tonnes of
CO₂ /Lakh rupees
of revenue from

operations adjusted
for PPP

1.6689 0.5149

Total Scope 1 and Scope 2 emission
intensity in terms of physical output*

• - -

Total Scope 1 and Scope 2 emission
intensity (optional) – the relevant metric
may be selected by the entity.

• - -

*As the Company is a service-based entity, there is no physical output or goods manufactured, so the field is not applicable.

Note: Last year the total Scope 1 and Scope 2 greenhouse gas (GHG) emission was 435 metric tonnes of CO₂ equivalent. This year the total Scope 1 and Scope 2 greenhouse gas emission is 13,543 metric tonnes of CO₂ equivalent. Increase of 13,108 metric tonnes of CO₂ equivalent in GHG emissions is primarily due to the amalgamation of TV18 Broadcast Limited and e-Eighteen.com Limited into the Company.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

No.

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Due to the nature of its operations, the Company doesn't have any significant Green House Gas(GHG) emission. However, the Company is continuously evaluating ways to reduce electricity consumption. Few initiatives have been taken by the Company for reducing GHG emissions as below –

Project1: Shift from Halogen lights to LED for facility including studios.

Chunk 2

2,70,872 2,39,561

Total Scope 1 and Scope 2 emission intensity per rupee of turnover
(Total Scope 1 and Scope 2 GHG emissions / Revenue from operations)

Metric tonnes
CO2 Eq/Rs Crore

7.51 7.97

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)

Metric tonnes
of CO2 Eq/ Rs
Crore

151.89 161.12

Total Scope 1 and Scope 2 emission intensity in terms of physical output

Not Applicable Not Applicable

Total Scope 1 and Scope 2 emission intensity (optional) – the relevant metric may be selected by the entity

Metric tonnes of
CO2 Eq/ MVA

0.65 0.72

Value of CF/EF obtained from CEA User Guide (Version 19) IPCC AR-6, CII datasets and step analysis

Slight variations in values of Scope-1 for FY 2022-23 being reported here from those reported for FY 2022-23

is due to the use of updated CF/EF.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.

Yes, M/s Grant Thornton Bharat LLP

8. Does the entity have any project related to reducing greenhouse gas emissions? If Yes, then provide

details.

Considering the catastrophic impacts of climate change, there is broad consensus among various stakeholders including Policy makers, Investors, Financial Institutions, Industries and citizens that every possible efforts should be made to control and mitigate this possibly the greatest threat to the existence of Earth. POWERGRID as a responsible organization comprehensively shares this sense of urgency of taking effective measures to combat climate crisis, the world is facing today. Guided by our ambitious Goal of becoming a Net Zero Emission organization as mandated by our Board approved ESG Policy, we have started many initiatives towards reducing our Green House Gas emission:

Chunk 3

does not apply.

7. Details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity:

Parameter Unit FY 2023-24
(Current

Financial Year)

FY 2022-23
(Previous

Financial Year)

Total Scope 1 emissions (Break-up of the GHG into
CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes
of CO₂ equivalent

• -

Total Scope 2 emissions • in Metric Tonnes Metric tonnes
of CO2 equivalent

1418.003 1356.003

Total Scope 1 and Scope 2 emissions per rupee of
turnover (Total Scope 1 and Scope 2 GHG emissions
/ Revenue from operations) • Metric Tonnes per
rupee of turnover

• 3.59416 4.01446

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover adjusted for Purchasing Power Parity
(PPP)* (Total Scope 1 and Scope 2 GHG emissions/
Revenue from operations adjusted for PPP)

• 7.26739 8.11723

Total Scope 1 and Scope 2 emission intensity in terms
of physical output – Metric Tonnes per employee

• 1.61504 2.50648

Total Scope 1 and Scope 2 emission intensity (optional)
– the relevant metric may be selected by the entity

• - -

*The revenue from operations has been recalibrated using the latest PPP conversion factor
published by the World Bank
for India in 2022, which stands at 20.22.

The physical output for calculation purpose is considered as the total number of employees in
respective FY.

Note: Indicate if any independent assessment/ evaluation/ assurance has been carried out by an
external agency? (Y/N)
If yes, name of the external agency.

The Company has not undertaken any independent assessment/ assurance of the environmental
data.

Business Responsibility and Sustainability Report (BRSR) (Contd.)

5paisa Capital Limited

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8. Does the entity have any project related to reducing Green House Gas (GHG) emission? If Yes, then provide details.

Chunk 4

details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY-2024
(Current Financial Year)

FY-2023
(Previous Financial Year)

Total Scope 1 Emissions TCO₂e 138.88 95.66

Total Scope 2 Emissions TCO₂e 12924.84 12072.78

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover (Total Scope 1 and Scope 2 GHG emissions /
Revenue from operations)

TCO₂e/
Crore

2.24 2.52

Total Scope 1 and Scope 2 emission intensity per rupee
of turnover adjusted for Purchasing Power Parity (PPP)
(Total Scope 1 and Scope 2 GHG emissions / Revenue from
operations adjusted for PPP)

TCO₂e/
Million

5.12 5.78

Total Scope 1 and Scope 2 emission intensity in terms of
physical output

Total Scope 1 and Scope 2 emission intensity (optional) the
relevant metric may be selected by the entity

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Manappuram Finance Limited is dedicated to reducing Greenhouse Gas (GHG) emissions through several strategic initiatives:

1. Solar Electrification: We are implementing solar electrification systems across our head and branch offices to decrease

our reliance on purchased electricity. This year, we achieved an 18% increase in solar electricity production compared to FY 2022-23, demonstrating our commitment to expanding renewable energy usage.

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2. Electric Vehicle Fleet: We are actively transitioning our vehicle fleet to electric vehicles (EVs). This initiative not only aims to reduce carbon emissions but also promotes sustainable transportation practices. In the reporting year, our adoption of electric vehicles has resulted in a reduction of 1923 KgCO₂e emissions.

These efforts underscore our firm commitment to environmental sustainability and align with our goals to mitigate climate change impacts within our operational footprint.

Chunk 5

(Total Scope 1 and Scope 2 GHG emissions / Revenue from operations)

Tonne per Crore
INR 2.6 3.3

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)

Tonne per Crore INR
adjusted for PPP 59.8 76.6

Total Scope 1 and Scope 2 emission intensity in terms of physical output

Emission tCO₂e/
million cigarette
sticks

0.72 0.80

Total Scope 1 and Scope 2 emission intensity
(optional) – the relevant metric may be selected by the entity • -

Note: Indicate if any independent assessment/ evaluation/ assurance has been carried out by an external agency? (Y/N)

If yes, name of the external agency: No

* Scope 1 emissions for reporting year has increased due to the inclusion of fugitive emissions and emissions from petrol.

In addition to that, Scope 1 emissions for previous year has been updated due to change in methodology adopted.

For PPP, 22.4 National currency units/US dollar has been used. Source: IMF (2024), Purchasing power parities (PPP) (indicator).

Emission intensity in terms of physical output includes only cigarette manufacturing factories.

8. Does the entity have any project related to reducing Greenhouse Gas emissions? If yes, then provide details:

Yes, GPIL focuses on energy efficiency through process improvements and investments in new technologies.

Over the years, the Company has implemented measures to reduce GHG emissions like installation of dry

screw vacuum generation technology (VFD based), installation of energy efficient equipment such as chillers,

AHUs, motors, fans, pumps, agitators. Recently, GPIL has installed a dual fuel kit in the running DG set

of 1250 KVA which runs on 70 % gas & 30 % HSD, hence reduces the emissions of greenhouse gases.

Additionally, in Andhra Pradesh, a park with 114 trees, two 7 acre bio-diversity parks at Darsi with 2077

trees, and Kurichedu with 2498 trees and another 8 acre at Parchur with 4761 trees have been developed.

Chunk 6

details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit 2023-24
(Current Financial Year)

2022-23
(Previous Financial Year)

Total Scope 1 emissions (Break-up of the
GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆,
NF₃, if available)

Metric tonnes of CO
2

38,26,859 35,67,633

Total Scope 2 emissions (Break-up of the
GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆,
NF₃, if available)

Metric tonnes of CO
2

2,66,647 2,45,682

Total Scope 1 and Scope 2 emissions
intensity per rupee of turnover (Total Scope

1 and Scope 2 GHG emissions/Revenue from operations)

tCO

2

/ Crores 580 568

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)

(Total Scope 1 and Scope 2 GHG emissions (Metric tonnes of CO₂)/Revenue from operations adjusted for PPP)*

tCO

2

/ Crores of

turnover adjusted to
PPP

13,250 13,000

Total Scope 1 and Scope 2 emission intensity in terms of physical output

Kg CO

2

per MT of

cementitious material
(Prism Cement)

616 626

Note: Indicate if any independent assessment/evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name

of the external agency. No

*The revenue from operations has been adjusted for PPP based on the latest PPP conversion factor published for the year 2022 by

Organisation for Economic Cooperation and Development (OECD) for India which is 22.88

2 The Company has disclosed CO

2

emissions for 2023-24 and 2022-23

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8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Yes. Prism Cement has formulated a decarbonisation strategy and identified key levers that will enable it to achieve its

ambitions. These include:

Increase use of alternative raw materials and reduce clinker factor

Adoption of alternative fuels

Increase emphasis on energy conservation and efficiency

Chunk 7

emissions (Break-up of the
GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆,
NF₃, if available)

Metric tonnes of CO₂
equivalent 1476

1016.87

Total Scope 1 and Scope 2 emissions Metric tonnes of CO₂
equivalent/INR Lacs

1564.83

1131.86

Revenue(in INR Lakhs) 121369 115079
Total Scope 1 and Scope 2 emission
intensity per rupee of turnover (Total Scope
1 and Scope 2 GHG emissions/ Revenue
from operations)

Metric tonnes of CO₂
equivalent/INR Lacs

0.013 0.01

Total Scope 1 and Scope 2 emission
intensity per rupee of turnover adjusted
for Purchasing Power Parity (PPP) (Total
Scope 1 and Scope 2 GHG emissions/
Revenue from operations adjusted for PPP)

0.003 0.002

Total Scope 1 and Scope 2 emission
intensity in terms of physical output

Not Monitored Not Monitored

Total Scope 1 and Scope 2 emission
intensity (optional) – the relevant metric may
be selected by the entity

0 0

9 Please note that only the greenhouses emissions of Naroda were considered for the calculation.
The facility at Naroda
represents the significant location of operation for IRIL.

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Note: Note: In FY 2022-2023, reported scope 1 emission has been revised owing to correction in
emission factor.

The revenue from operations has been adjusted for PPP using the latest PPP conversion factor
published by the World
Bank for India for the year 2023, which is 20.22

The greenhouse emission of manufacturing facility at Naroda were considered for the above
calculation. The facility at
Naroda represents the significant location of operation for the Company.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an
external agency? (Y/N) If yes, name of the
external agency.

No.

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then
provide details.

Yes, we have implemented following projects for reducing greenhouse gas emission through
energy conservation.

Chunk 8

greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit
FY 2023-2024

(Current Financial Year)
FY 2022-23

(Previous Financial Year)

Total Scope 1 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

tCO₂e 4,09,576.40 3,85,750.52

Total Scope 2 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

tCO₂e 0.00 0.00

Total Scope 1 and Scope 2 emissions per rupee of turnover

0.0000098 0.0000092

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)

0.0008160

(1\$=83.3739 INR)

0.0007602

(1\$= 82.2169INR)

Total Scope 1 and Scope 2 emission intensity in terms of physical output

tCO₂e/MT 0.846 0.955

Scope 2 is zero because we are net exporter of electricity.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency?

(Y/N) If yes, name of the external agency –

Yes, we have employed an independent 3rd rd party to account our for GHG emission. This particular assessment was carried out by M/S AUROSHE during the current reporting year. Accounting is done in accordance with the of methodologies detailed by the Green House Gas Protocol which is a global standard.

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

At Himadri, we fulfill 90% of our power requirements through our 28MW capacity power plant, showcasing our dedication to environment preservation. To reduce waste gas and off-gas venting during carbon black production, we've implemented an innovative process that recirculates and feeds off-gas into power generation, significantly lowering Greenhouse Gas (GHG) emissions. Our power plant features three boilers that adequately meet the

Chunk 9

company has invested in replacement and upgrade of the DG set to meet the regulatory compliance as per Commission for Air Quality Management hence reduction in values of air emissions is observed.

7. Provide details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY24 FY23

Total Scope 1 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂ equivalent 212.56 1070.49

Total Scope 2 emissions (Break-up of the GHG into CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, if available)

Metric tonnes of CO₂ equivalent 1111.60 677.24

Total Scope 1 and Scope 2 emission intensity per rupee of turnover (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations)

0.000000085 0.000000433

Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)* (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)

0.0000000037 0.0000000190

Total Scope 1 and Scope 2 emission intensity in terms of physical output (Total Scope 1 and Scope 2 GHG emissions / Per Person)

0.6453 1.0203

Total Scope 1 and Scope 2 emission intensity (optional) – the relevant metric may be selected by the entity

Not applicable Not applicable

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency. – No

Note: Scope 1 emissions we have considered DG fuel (Diesel), Refrigerant gas, Extinguisher gas & Company Owned Vehicle fuel.

* The above numbers are calculated taking the actual consumption factor with the standard rate as per GHG protocol. The revenue from operations has been adjusted for PPP based on the latest PPP conversion factor published for the year 2022 by World Bank for India which is 22.88.

8. Does the entity have any project related to reducing Green House Gas emission?

Chunk 10

gas emissions (Scope 1 and Scope 2 emissions) & its intensity, in the following format:

Parameter Unit FY 2023-24

(Current
Financial Year)

FY 2022-23
(Previous

Financial Year)

Total Scope 1 emissions
(Break-up of the GHG into CO₂,
CH₄,N₂O,HFCs,PFCs, SF₆,NF₃, if
available)

Metric tonnes
of CO₂
equivalent

1549514 2186134

Total Scope 2 emissions
(Break-up of the GHG into
CO₂,CH₄,N₂O,HFCs,PFCs, SF₆,NF₃,
if available)

Metric tonnes
of CO₂
equivalent

258616 205992

Total of Scope 1 and 2 emissions Metric tonnes
of CO₂
equivalent

1808130 2392126

Total Scope 1 and Scope 2 0.000005 0.000004

Emission intensity per rupee of

Turnover (Total Scope 1 and Scope 2
GHG emissions / Revenue from
operations)

Total Scope 1 and Scope 2 Emission
intensity per rupee of turnover adjusted
for Purchasing Power Parity (PPP)*
(Total Scope 1 and Scope 2 GHG
emissions / Revenue from operations
adjusted for PPP)

0.0001144 0.0000915

Total Scope 1 and Scope 2
Emission intensity in terms of physical
output: Total emissions /total quantity of
sponge iron produced.

3.05 4.83

*The revenue from operations has been adjusted for PPP based on the latest PPP conversion factor published for the year 2022 by OECD which is 22.88 for India.

Note: Indicate if any independent assessment/evaluation/assurance has been carried out by an external agency?

(Y/N) If yes, name of the external agency. NO

8. Does the entity have any project related to reducing Green House Gas emission? If yes, then provide

details. • Yes, our company is in the process of relacing conventional power plants gradually with the Solar Energy.

9. Provide details related to waste management by the entity, in the following format:

Parameter FY 2023-24

(Current
Financial Year)

FY 2022-23
(Previous

Financial Year)

Total Waste generated (in metric tons)

29

Plastic waste (A) 3.440 2.210

Parameter FY 2023-24

Director Response

Based on the information available, the GHG emissions intensity (Scope 1+2 per ■ crore revenue) for Siemens Limited and Indraprastha Gas Limited over the last two years is as follows:

Siemens Limited:

- FY 2023: 3.8 metric tonnes of CO2 equivalent per ■ crore revenue
- FY 2022: 4.0 metric tonnes of CO2 equivalent per ■ crore revenue

Indraprastha Gas Limited:

- FY 2023: 7.97 metric tonnes of CO2 equivalent per ■ crore revenue
- FY 2022: 7.51 metric tonnes of CO2 equivalent per ■ crore revenue

Summary Table:

Company	FY 2023 (Last Year)		FY 2022 (Year Before Last)	
Siemens Limited	3.8		4.0	
Indraprastha Gas Limited	7.97		7.51	

Summary:

Siemens Limited showed a slight improvement in its GHG emissions intensity, reducing from 4.0 to 3.8 metric tonnes of CO2 equivalent per ■ crore revenue. In contrast, Indraprastha Gas Limited had a slight increase in emissions intensity from 7.51 to 7.97 metric tonnes of CO2 equivalent per ■ crore revenue over the same period.

Would you like further analysis on trends, contributing factors, or comparisons to industry benchmarks?