

User Prompt

What percentage of total energy used by Future Consumer and Siemens comes from renewable sources?

Agents Conversation History

Sub-question 1: subquestion = What percentage of total energy used by Future Consumer comes from renewable sources?

worker_agent: answer =Based on the provided information, the percentage of total energy used by Future Consumer that comes from renewable sources is **6.17%**. This data is explicitly mentioned within the given chunks.

Key details supporting this calculation:

- **Total Energy Consumption (FY 2023-24):**
- From renewable sources: **40,173.29 GJ**
- From non-renewable sources: **611,015.75 GJ**
- Total energy consumed: **651,189.04 GJ**
- **Percentage of energy consumed through renewable sources: 6.17%**

This figure demonstrates Future Consumer's current reliance on renewable energy sources and their ongoing initiatives to increase solar generation capacity and reduce dependency on grid electricity in alignment with their GHG reduction targets.

Sub-question 2: subquestion = What percentage of total energy used by Siemens comes from renewable sources?

worker_agent: answer =The percentage of total energy used by Siemens that comes from renewable sources can be derived from the provided data for FY 2024:

Relevant Data for FY 2024:

1. Total Energy Consumed from Renewable Sources:

- **Electricity:** 40,075.88 GJ
- **Fuel:** 97.41 GJ
- **Other Sources:** 0 GJ
- **Total Renewable Energy:** 40,173.29 GJ

2. Total Energy Consumed from Non-Renewable Sources:

- **Electricity:** 435,226.38 GJ
- **Fuel:** 175,789.37 GJ
- **Other Sources:** 0 GJ
- **Total Non-Renewable Energy:** 611,015.75 GJ

3. Total Energy Consumption:

- **Renewable + Non-Renewable:** 651,189.04 GJ

Calculation of Renewable Energy Percentage:

- Formula: $\left(\frac{\text{Renewable}}{\text{Total Energy Consumption}} \right) \times 100$

$$\left(\frac{\text{Renewable Energy}}{\text{Total Energy}} \right) \times 100$$

• Substituting values:

$$\left(\frac{40,173.29}{651,189.04} \right) \times 100$$

• **Result:**

6.17% of Siemens' total energy consumption in FY 2024 is sourced from renewable energy.

Additional Insights:

• Siemens has stated an increase in renewable energy consumption by **22%** compared to FY 2023, reflecting their focus on renewable energy.

• Their decarbonization strategy aims to achieve **50% renewable energy usage by 2030**.

Thus, currently **6.17%** of Siemens' total energy consumption comes from renewable sources.

All Context Chunks

Sub-question 1 Chunks

Chunk 1

of our carbon footprint and strongly believe in responsible growth. Our energy consumption from renewable source has increased by 22% demonstrating our focus on renewable energy. Our electricity consumption has increased by 16% primarily on account of commissioning of our new factory at Sri City and inclusion of branches and warehouses as part of our reporting boundary. We will continue to increase our solar generation capacity and reduce dependency on grid electricity as part of our overall GHG reduction targets.

It may be noted that we have sold 591.88 GJ of solar energy back to the grid using net metering.

Furthermore, percentage of energy consumed through renewable sources is 6.17%.

Parameter FY 2024 FY 2023

From renewable sources^

Total electricity consumption (A)GJ 40,075.88 32,988.00

Total fuel consumption (B)GJ 97.41 48.16

Energy consumption through other sources (C)GJ • -

Total energy consumed from renewable sources (A+B+C) GJ 40,173.29 33,036.16

From non-renewable sources^

Total electricity consumption (D) GJ 4,35,226.38 3,76,578.13

Total fuel consumption (E) GJ 1,75,789.37 1,50,870.00

Energy consumption through other sources (F) GJ • -

Total energy consumed from non-renewable sources (D+E+F) GJ 6,11,015.75 5,27,448.13

Total energy consumed (A+B+C+D+E+F) GJ 6,51,189.04 5,60,484.29

Energy intensity per crore rupee of turnover
(Total energy consumed / Revenue from operations)

35.10 33.27

Energy intensity per crore rupee of turnover adjusted for Purchasing Power Parity
(PPP) (Total energy consumed / Revenue from operations adjusted for PPP)* 803.20 761.15

Energy intensity in terms of physical output (Crore units) **23,817.14 22,285.66**

Energy 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.

Chunk 2

for a Sustainable Future:

â€¢ Renewable Energy: We are determined to transition to cleaner energy sources. Our goal is to achieve 50% of our electricity needs through renewable sources by 2030.

â€¢ Circular Economy: We strive to incorporate recycled materials into our production processes. In 2023, we aimed to increase the use of recycled bromine from 39% to 45%.

â€¢ Employee Engagement: We value open communication and feedback from our workforce. In 2023-24, we established a target of covering 80% of employees in our employee satisfaction survey.

At MOL, we are committed to a sustainable future. We set ambitious goals to guide our environmental and social responsibility efforts, focusing on renewable energy, resource efficiency, and employee engagement.

Targets for a Sustainable Future:

â€¢ Renewable Energy: We are determined to transition to cleaner energy sources. Our goal is to achieve 50% of our electricity needs through renewable sources by 2030.

â€¢ Circular Economy: We strive to incorporate recycled materials into our production processes. In 2023, we aimed to increase the use of recycled bromine from 39% to 45%.

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Chunk 3

foster a healthier planet for current and future generations.

Essential Indicators

1. Details of total energy consumption (in Joules or multiples) and energy intensity, in the following format:

Parameter Unit FY 2023-24 FY 2022-23

From Renewable Sources

Total electricity consumption (A) GJ 29,069 27,438

Total fuel consumption (B) GJ 751 737

Energy consumption through other sources (C) GJ -- --

Total energy consumed from renewable sources (A+B+C) GJ 29,820 28,175

From Non-Renewable Sources

Total electricity consumption (D) GJ 3,93,177 5,33,165

Total fuel consumption (E) GJ 63,06,710 56,53,894

Energy consumption through other sources (F) GJ -- --

Total energy consumed from non-renewable sources
(D+E+F)

GJ 66,99,887 61,87,059

Total energy consumed (A+B+C+D+E+F) GJ 67,29,707 62,15,234

Energy intensity per rupee of turnover (Total energy consumed /
Revenue from operations)

GJ/Lakh INR 7.24 6.34

Energy intensity per rupee of turnover adjusted for Purchasing
Power Parity (PPP) $\#(\text{Total energy consumed} / \text{Revenue from operations adjusted for PPP})$

165.59 144.95

Energy intensity in terms of physical output GJ/Mt of production 15.43 14.73

#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

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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, Bureau Veritas (India) Private Limited has carried out external independent assurance for the

above disclosure.

2. Does the entity have any sites / facilities identified as designated consumers (DCs) under the Performance, Achieve and Trade (PAT) Scheme of the Government of India? (Y/N) If yes, disclose whether targets set under the PAT scheme have been achieved.

Chunk 4

energy consumed from

renewable sources (A+B+C)

653000 625000

From non-renewable sources

Total electricity consumption

(D)

1460000 1099000

Total fuel consumption (E) 12000 0.00

Energy consumption through

other sources (F)

0 0

Total energy consumed from non-

renewable sources (D+E+F)

1472000 1099000

Total energy consumed

(A+B+C+D+E+F)

2125000 1724000

Energy intensity giga joules per

rupee of turnover (Total energy

consumed / Revenue from

operations)

0.0000697 0.0000616

Energy intensity giga joules per \$
(Dollar) of turnover adjusted for
Purchasing Power Parity (PPP)
(Total energy consumed / Revenue
from operations adjusted for PPP)

0.00159 0.00141

Energy intensity in terms of
physical output (Giga Joules per
m.ton of Spinning Production)

20.40 23.105

Energy intensity (optional) – the
relevant metric may be selected
by the entity

0.00 0.00

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 independent assessment/ evaluation/Energy Audit has
been carried out by Namdhari Eco Energy Pvt. Ltd. in the year
2021. The Audit has been carried out once in every three
years. The company has appointed M/s Innovative Energy
conservation solutions, Punjab for conducting the next audit
which is due in November 2024 / January 2025.

2. Does the entity have any sites / facilities identified as designated consumers (DCs) under the Performance, Achieve and Trade (PAT) Scheme of the Government of India? (Y/N) If yes, disclose whether targets set under the PAT scheme have been achieved. In case targets have not been achieved, provide the remedial action taken, if any.

Yes, Sites of the company have been identified as designated consumer (DCs) under the Performance, Achieve and Trade (PAT) Scheme of the Government of India. All the sites / facilities of the company

Chunk 5

of total energy consumption (in Joules or multiples) and energy intensity, in the following format:

Parameter FY 2023-24 FY 2022-23

From renewable sources

Total electricity consumption (A) NA

Total fuel consumption (B)

Energy consumption through other sources (C)

Total energy consumed from renewable sources (A+B+C)

From non-renewable sources

Total electricity consumption (D) 76,726.77 GJ 22,344.44 GJ

Total fuel consumption (E) 555.36 GJ 1244.54 GJ

Energy consumption through other sources (F) NIL

Total energy consumed from nonrenewable sources (D+E+F) 77,282.13 GJ 23,588.98 GJ

Total energy consumed (A+B+C+D+E+F) 77,282.13 GJ 23,588.98 GJ

Energy intensity per rupee of turnover (Total energy consumed / Revenue from operations)
9.49*10⁻⁸

GJ / INR

3.5*10⁻⁸ GJ/

Energy intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)

(Total energy consumed / Revenue from operations adjusted for PPP)

2.12*10⁻⁶

GJ / USD

Energy intensity in terms of physical output

Energy intensity (optional) – the relevant metric may be selected by the entity* 3.23 GJ/

Employee

For PPP, 22.4 National currency units/US dollar has been used. Source: IMF (2024), Purchasing power parities (PPP) (indicator). (Accessed on July 9, 2024)

*Permanent employees are considered for energy intensity (optional)

Considering the nature of the business, this Principle does not lead to any physical outcomes that can be directly attributed.

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 by S K Patodia & Associates LLP

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2. Does the entity have any sites / facilities identified as designated consumers (DCs) under the Performance, Achieve and Trade (PAT) Scheme of the Government of India? (Y/N) If yes, disclose whether targets set under the PAT scheme have been achieved.

Chunk 6

through other sources (C) 0 0

Total energy consumed from renewable sources (A+B+C) 95.65 GJ 74.78 GJ

From non-renewable sources

Total electricity consumption (D) 24,65,716.15 GJ 36,74,260.21 GJ

Total fuel consumption (E) 1,84,29,225.11 GJ 2,12,25,669 GJ

Energy consumption through other sources (F) 482.4 GJ 2264 GJ

Total energy consumed from non-renewable sources
(D+E+F)

2,08,95,423.66 GJ 2,49,02,268 GJ

Total energy consumed (A+B+C+D+E+F) 2,08,95,519.31 GJ 2,49,02,268 GJ

Energy intensity per rupee of turnover

(Total energy consumption / turnover in rupees)

0.0014 0.0015

Energy intensity per rupee of turnover adjusted for
Purchasing Power Parity (PPP)

(Total energy consumed / Revenue from operations
adjusted for PPP)*

0.000063 0.000070

Energy intensity in terms of physical output • -

Energy intensity (optional) – the relevant metric may be
selected by the entity

• -

* The revenue from operations has been adjusted for PPP based on the latest PPP conversion factor published for the year 2024 and 2023 by IMF for India which is 22.401 & 22.167 respectively.

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 assessment has been carried out in-house by the Company.

2. Does the entity have any sites / facilities identified as designated consumers (DCs) under the Performance, Achieve and Trade (PAT) Scheme of the Government of India? (Y/N) If yes, disclose whether targets set under the PAT scheme have been achieved. In case targets have not been achieved, provide the remedial action taken, if any.

Yes, Nava has been recognized as a designated consumer (DC) under the Performance, Achieve and Trade (PAT) Scheme implemented by the Government of India. Nava Limited's inclusion as a DC signifies its commitment to energy efficiency and sustainability.

Nava participated in two PAT cycles.

Chunk 7

following targets:

1. Renewable Energy: Ensure that 75% of our electrical energy comes from renewable sources. And by 2030, we aim to source 50% of our overall energy from green and clean sources.
2. Reduction in Non-Renewable Energy Consumption: Decrease non-renewable energy use by 20% through investments in renewable energy infrastructure, such as biogas and solar panels, and by exploring green energy procurement partnerships.
3. Energy Monitoring and Reporting Systems: Implement systems to monitor and report energy consumption, identify areas for improvement, and enhance accountability.
4. Improvement in Captive Energy Consumption: Achieve a 2% improvement in captive energy consumption per metric ton by 2026.
5. Continuous Improvement: Enhance our energy management practices by benchmarking against industry standards and adopting best practices in energy efficiency.

These targets and timelines will guide our efforts in optimising energy management, reducing our environment footprint and transitioning towards a more sustainable energy future. From Next Financial Year From Next Financial Year From Next Financial Year We are diligently advancing our initiatives in water management, waste management, energy management, and product quality and safety by integrating advanced technologies and sustainable practices. These comprehensive efforts are strategically aligned with our 2026 objectives, aimed at optimizing resource efficiency and enhancing overall operational sustainability. Through these initiatives, we seek to achieve significant improvements in efficiency and effectiveness across all facets of our operations. We are diligently advancing our initiatives in water management, waste management, energy management, and product quality and safety by integrating advanced technologies and sustainable practices.

Chunk 8

Global IT Centre in Mumbai, Local Head Offices, Training Centres and Regional Offices. Also, in rural and semi-urban branches, the diesel generator sets are being replaced by solar energy backed uninterruptible power supply systems. This switch has the added benefit of extending the life of electronic equipment, resulting in a reduction in e-waste generation. Additionally, the Bank is also leveraging state favourable

Breakup of Energy Consumption from Renewable and Non-renewable Sources (GJ)

From Renewable Sources (FY23-24)

Total electricity consumption 2,68,462

Total fuel consumption Nil

Total energy consumed from renewable sources 2,68,462

green tariff policies to replace regular grid power to green energy. The Bank has replaced ~1.74 crore units through the purchase of green tariff, at 18 buildings which is equivalent of around 12 MWp of solar plant and saved 11,375 tonnes of CO2e emissions

The Bank is also setting annual targets for solar rooftop installations at its owned premises. As of 31st March 2024, The Bank has installed 795 solar rooftops with a capacity of 20.09 MWp in Bank-owned buildings across India and solar rooftops for 3,534 ATMs with a capacity of 6.73 MW with a combined generating capacity of over 26 MW. The Bank also owns 10 windmills with an installed capacity of 15 MWp.

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Natural Capital: Empowering
green growth

Human Capital: Empowering
people for success

Social Capital: Steering
social partnerships

Sustainability Report 2023-24 Sustainability Report 2023-24

Manufacturing Capital:
Empowering Inclusion

Financial Capital: Sustainable
foundation for future

Intellectual Capital: Empowering
through Innovation

About the Report About the BankLeadership Messages Strategy Governance and Risk
Management

Stakeholder Engagement

From Non-renewable Sources (FY23-24)

Total electricity consumption 28,88,100

Total fuel consumption 8,08,655

Total energy consumed from non-renewable sources 36,96,755

Chunk 9

sources, demonstrating movement towards our 2030 goal of 50%. We are actively exploring additional renewable energy options and implementing energy-efficiency measures to accelerate our progress.

â€¢ Increased Use of Recycled Bromide: We successfully achieved our target, increasing recycled bromide use in production to 45% in 2023.

â€¢ Enhanced Employee Engagement: We surpassed our target for employee participation in the satisfaction survey, reaching 80% coverage in 2023-24.

By setting ambitious goals and measuring our performance, we remain committed to continuous improvement and a sustainable future for our business and the environment. We are proud of the progress we made towards our sustainability goals:

â€¢ Renewable Energy Progress: This year, we generated 33% of our electricity from renewable sources, demonstrating movement towards our 2030 goal of 50%. We are actively exploring additional renewable energy options and implementing energy-efficiency measures to accelerate our progress.

â€¢ Increased Use of Recycled Bromide: We successfully achieved our target, increasing recycled bromide use in production to 45% in 2023.

â€¢ Enhanced Employee Engagement: We surpassed our target for employee participation in the satisfaction survey, reaching 80% coverage in 2023-24.

By setting ambitious goals and measuring our performance, we remain committed to continuous improvement and a sustainable future for our business and the environment. We are proud of the progress we made towards our sustainability goals:

â€¢ Renewable Energy Progress: This year, we generated 33% of our electricity from renewable sources, demonstrating movement towards our 2030 goal of 50%. We are actively exploring additional renewable energy options and implementing energy-efficiency measures to accelerate our progress.

â€¢ Increased Use of Recycled Bromide: We successfully achieved our target, increasing recycled bromide use in production to 45% in 2023.

Chunk 10

electricity

consumed throughout the year was sourced from rooftop solar panels and a solar park located within the

factory premises. The company is now fully reliant on renewable energy sources.

The total energy consumed from renewable sources accounts for 89.98%, surpassing our target of renewable energy consumption.

Moreover, to further strengthen our renewable energy initiatives, the organisation has installed a total

capacity of 1.9 MW in its solar plant. Additionally, it has established power supply and off-take agreements

to ensure the provision of solar power, with a capacity of up to 2 MW or 3,000,000 units per year.

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

Parameter FY 2023-2024
(Current Financial Year)

FY 2022-2023

(Previous Financial Year)

Total Waste generated (in metric tonnes)

Plastic waste (A) 698.860 654.9

E-waste (B) 0 0.48

Bio-medical waste (C) 0.0022 0.0025

Construction and demolition waste (D) 0 0

Battery waste (E) 0 0

Radioactive waste (F) 0 0

Other Hazardous waste (H): 1.52 3.48

Total (A+ B + C + D + E + F + G + H) 700.3842 658.8625

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Parameter FY 2023-2024

(Current Financial Year)

FY 2022-2023

(Previous Financial Year)

Waste intensity per rupee of turnover

(Total waste generated / Revenue from operations) 0.00000019 0.00000022

Waste intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)

(Total waste generated / Revenue from operations adjusted for PPP) * <0.000001 <0.000001

Waste intensity in terms of physical output • -

Waste intensity (optional) – the relevant metric may be selected by the entity • -

For each category of waste generated, total waste recovered through recycling, re-using or other recovery operations (in metric tonnes)

Category of waste

(i) Recycled Due to the inherent nature of our business operations,

the Company has limited opportunities within this particular domain.

(ii) Re-used

Sub-question 2 Chunks

Chunk 1

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. Siemens is into various businesses (including products, services & projects) with highly diverse portfolios ranging from a low value electrical devices to highly complex transmission solutions. The output of the Company cannot be expressed in one physical measure. It is therefore impracticable to calculate output intensities of the environmental indicators and hence not disclosed. The Company believes that any output-based intensity information on one uniform physical unit is incalculable. This note is applicable for Essential indicators 1,3,7 and 9 under this Principle.

2. For 'intensity per rupee of turnover', total revenue from operations has been considered as turnover as per note no. 34 of Audited Standalone Financial Statements. This note is applicable for Essential indicators 1,3,7 and 9 under this Principle.

3. The Purchasing Power Parity (PPP) factor considered is 20.22 as recommended by World Bank (Link: PPP conversion factor, GDP (LCU per international \$) | Data). This note is applicable for Essential indicators 1,3,7 and 9 under this Principle.

<https://data.worldbank.org/indicator/PA.NUS.PPP>

Business Responsibility and Sustainability Report⁴² Siemens Limited

In line with the company's decarbonization strategy and in accordance with the commitment to the RE100 initiative, the below table considers the impact of such iRECs

Parameter FY 2024 FY 2023

From Renewable Sources (in gigajoules)

Total electricity consumption (A) in 172,751 67,213

Total fuel consumption (B) 17,193 0

Energy consumption through other sources (C) 0 0

Total energy consumption (A+B+C) from renewable sources 189,944 67,213

From non- renewable Sources (in gigajoules)

Chunk 2

of our carbon footprint and strongly believe in responsible growth. Our energy consumption from renewable source has increased by 22% demonstrating our focus on renewable energy. Our electricity consumption has increased by 16% primarily on account of commissioning of our new factory at Sri City and inclusion of branches and warehouses as part of our reporting boundary. We will continue to increase our solar generation capacity and reduce dependency on grid electricity as part of our overall GHG reduction targets.

It may be noted that we have sold 591.88 GJ of solar energy back to the grid using net metering.

Furthermore, percentage of energy consumed through renewable sources is 6.17%.

Parameter FY 2024 FY 2023

From renewable sources^

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Energy intensity per crore rupee of turnover adjusted for Purchasing Power Parity
(PPP) (Total energy consumed / Revenue from operations adjusted for PPP)* 803.20 761.15

Energy intensity in terms of physical output (Crore units)**23,817.14 22,285.66**

Energy 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.

Chunk 3

Net-Zero Standard, Siemens AG has pledged to reduce absolute emissions from its own operations (Scope 1 and 2) by 90% and from its value chain (Scope 3) by 30% by fiscal 2030 compared to fiscal 2019. Additionally, Siemens AG commits to achieving Net-Zero by fiscal 2050, reducing absolute emissions across the value chain by 90% by fiscal 2050 compared to fiscal 2019, with any residual emissions permanently compensated. Already in 2024, Siemens AG has

achieved its intermediate decarbonization target of -55% in own operations (compared to FY19 baseline)

As a signatory to the UN CEO Water mandate, the Company's sustainable water management includes measures such as utilizing water-efficient appliances, installing rainwater harvesting systems at four major factory locations, and building water reclamation facilities (zero liquid discharge facilities). These measures enable the Company to reduce freshwater consumption by, among other things, utilizing treated water for landscaping and toilet flushing. In addition, Siemens operates its own water treatment plants in some locations. The treatment facilities, for instance, treat process water from production operations so that it can be used for purposes including irrigating the site's green spaces.

For Essential Indicator 1:

As per the Criteria of BRSR Core, as specified by SEBI vide its circular SEBI/HO/CFD/CFD-SEC-2/P/CIR/2023/122 dated July 12, 2023 together with the Annexure 1 • Format of BRSR Core, which provides guidance on Data & Assurance Approach, the below electricity consumption information has been prepared based on purchase of electricity. Accordingly, this does not consider the impact of iRECs purchased, which information has been additionally disclosed in the BRSR.

Notes:

1. Siemens is into various businesses (including products, services & projects) with highly diverse portfolios ranging from a low value electrical devices to highly complex transmission solutions.

Chunk 4

year 2025. • Achieve 50% carbon neutrality by 2030.

• 50% of the total energy comes from renewable sources by 2030.

• Aspire for Zero waste to landfill for all manufacturing site by 2030.

• Achieve 100% water recycling (Zero Liquid Discharge) for all Effluent Treatment Plants (ETPs) by 2030.

• Aiming for 15% female representation in our permanent Employees and 10% in permanent workers.

• Plant a total of 1,50,000 trees by the end of fiscal year 2025. • Achieve 50% carbon neutrality by 2030.

• 50% of the total energy comes from renewable sources by 2030.

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by 2030.

â€¢ Aiming for 15% female representation in our permanent Employees and 10% in permanent workers.

â€¢ Plant a total of 1,50,000 trees by the end of fiscal year 2025.â€¢ Achieve 50% carbon neutrality by 2030.

â€¢ 50% of the total energy comes from renewable sources by 2030.

Chunk 5

sources by 2030.

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â€¢ 50% of the total energy comes from renewable sources by 2030.

â€¢ Aspire for Zero waste to landfill for all manufacturing site by 2030.

Chunk 6

Other• please specify -

Business Responsibility and Sustainability Report

Principle 6: Business should respect and make efforts to protect and restore the environment.

Essential indicators

1. Details of total energy consumption (in Joules or multiples) and energy intensity, in the following format:

Parameter
FY24

(Current Financial
Year)

FY23
(Previous Financial

Year)

From renewable sources

Total electricity consumption (A) 35,354.49 13,534.69

Total fuel consumption (B) Nil Nil

Energy consumption through other sources (C) Nil Nil

Total energy consumed from renewable sources (A+B+C) 35,354.49 13,534.69

From non-renewable sources

Total electricity consumption (D) 1,39,183.97 85,768.97

Total fuel consumption (E) 7,555.02 1,936.81

Energy consumption through other sources (F) Nil Nil

Total energy consumed from non-renewable sources (D+E+F) 1,46,738.99 87,705.78

Total energy consumed (A+B+C+D+E+F) 1,82,093.48 1,01,240.47

Energy intensity per rupee of turnover

(Total energy consumed / Revenue from operations)

7.41 4.42

Energy intensity per rupee of turnover adjusted for Purchasing Power Parity
(PPP)

(Total energy consumed / Revenue from operations adjusted for PPP)

169.54 101.03

Energy intensity in terms of physical output • -

Energy 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

2. Does the entity have any sites / facilities identified as designated consumers (DCs) under the Performance, Achieve and Trade (PAT) Scheme of the Government of India? (Y/N) If yes, disclose whether targets set under

the PAT scheme have been achieved. In case targets have not been achieved, provide the remedial action taken, if any.

Not applicable. The Company does not come under any sector which comes under PAT scheme.

Chunk 7

Certificates (iRECs): 37,143 MWh

<https://www.siemens.com/global/en/company/sustainability.html#TheDEGREEsustainabilityframework>

Business Responsibility and Sustainability Report 45Siemens Limited

• Energy Efficiency • Electrical Savings leading to reduction in Scope 2 emissions - 1055 MWh of annual electricity savings (Details in Leadership Indicator 4)

■ Energy efficient and Timing Based lighting system; Occupancy sensors

■ Energy efficient equipment (HVLS and BLDC Fans)

■ Utility optimisation (Pressure in compressors, Optimization of Air Handling Units, Cooling units)

■ Process Optimisations (Electric systems instead of pneumatic system)

■ Upgradation of Data centers and cooling systems

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

Parameter FY 2024 FY 2023

Total Waste generated (in metric tonnes)

Plastic waste (A) 402 294

E-waste (B) 159 28

Bio-medical waste (C) 0.1 0.1

Construction and demolition waste (D) 7,037 534

Battery waste (E) 7 1

Radioactive waste (F) 0 0

Other Hazardous waste. Please specify, if any. (G) 241 231

Other Non-hazardous waste generated (H). Please specify, if any. (Break-up by composition i.e. by materials relevant to the sector)

7,709 5,392

Total (A+B + C + D + E + F + G + H) 15,555 6,480

Waste intensity per rupee of turnover (Total waste generated / Revenue from operations) tonnes / million rupees of turnover

0.08 0.04

Waste intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP)

(Total waste generated / Revenue from operations adjusted for PPP)

1.53 0.83

Waste 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

Waste intensity (optional) • -the relevant metric may be selected by the entity NA NA
For each category of waste generated, total waste recovered through recycling, re-using or other
recovery operations

Chunk 8

We recognise the importance of meeting the requirements of the Rights of Persons with Disabilities Act, 2016 and are taking proactive steps to support the needs of individuals with disabilities. Our Company has implemented various measures to provide accessible infrastructure, lifts, accessible parking, fire alarm flasher. When it comes to our plants, we maintain a commitment to accessibility by ensuring that the floors are predominantly situated at ground level, allowing for easy access for everyone. Additionally, we are preparing the remaining factories and offices for accessibility infrastructure and aim to achieve the minimum mandatory standards required under the Rights of Persons with Disabilities Act, 2016.

4. Details on assessment of value chain partners:

% of value chain partners (by
value of business done with such

partners) that were assessed

Sexual Harassment -

Discrimination at workplace -

Child Labour -

Forced Labour/Involuntary Labour -

Wages -

5. Provide details of any corrective actions taken or underway to address significant risks /
concerns arising from the assessments at Question 4

above. Not Applicable

PRINCIPLE 6: BUSINESSES SHOULD RESPECT AND MAKE EFFORTS TO PROTECT AND RESTORE THE ENVIRONMENT

Essential Indicators:

1. Details of total energy consumption (in Joules or multiples) and energy intensity, in the following format:

Parameter FY 2023-24 FY 2022-23

From renewable sources

Total electricity consumption (A) • -

Total fuel consumption (B) • -

Energy consumption through other sources (C)* • -

Total energy consumption from renewable sources (A+B+C) • -

From non-renewable sources

Total electricity consumption (D) 6846.47 Giga Joules 4902.57 Giga Joules

Total fuel consumption (E) 1714.59 Giga Joules 1782.61 Giga Joules

Energy consumption through other sources (F) 0.00 0.00

Total energy consumption from non-renewable sources (D+E+F) 8561.06 Giga Joules 6685.18 Giga Joules

Chunk 9

Renewables Private Limited Associate 0.26 false Yes <https://new.siemens.com/global/en/Company/sustainability/compliance/reporting-channels.html> 243 NA 251 NA NA NA Yes www.scores.gov.in & Stock Exchanges 422 NA 292 NA Yes internal mechanisms in place 370 NA 142 NA Yes through toll free number and Email 99383 NA 138254 NA Yes <https://new.siemens.com/global/en/Company/sustainability/compliance/reporting-channels.html> 243 NA 251 NA Climate action R&O Reducing; greenhouse gas emissions, energy use and mitigating the effects of long-term changes in the Earth's climate and its physical impacts on business operations, communities and the natural environment. Advocacy and partnerships with others to reduce climate change impacts. Siemens addresses these material issues through the DEGREE Framework as defined by Siemens AG. The details of the DEGREE Framework is available on the link [https://new.siemens.com/global/en/Company/sustainability/sustainability-figures.html#/siemens/en/our-degree-framework/Positive Implications](https://new.siemens.com/global/en/Company/sustainability/sustainability-figures.html#/siemens/en/our-degree-framework/Positive%20Implications) Sustainable product design and life-cycle management OFostering a circular economy by addressing customer and societal demands for more sustainable products and services. Ensuring environmental responsibility in the product use phase. Meeting evolving regulations through product designing and lifecycle management. Siemens addresses these material issues through the DEGREE Framework as defined by Siemens AG. The details of the DEGREE Framework is available on the link [https://new.siemens.com/global/en/Company/sustainability/sustainability-figures.html#/siemens/en/our-degree-framework/Positive Implications](https://new.siemens.com/global/en/Company/sustainability/sustainability-figures.html#/siemens/en/our-degree-framework/Positive%20Implications)

ustainability/sustainability-figures.html#/siemens/en/our-degree-framework/Positive ImplicationsInnovation and business modelInnovation management for developing sustainable products and solutions.
Management of risks and opportunities associated with the incorporation of social, environmental, and political transitions into long-term business model development.

Chunk 10

approximately ~20% of all our energy requirements at our plants from renewable energy sources.
• The company has also invested in setting up a solar power plant in one of its manufacturing units.

• In FY 2023-24, the Company has sequestered 119,024 tCO₂ through its wind energy business.

• We use biomass at our plants for meeting our energy needs by using rice husk, mustard husk and palm fiber.

• To ensure Zero Liquid Discharge (ZLD) of water, we have installed ZLD plants at four locations.

• We have achieved 74,376 Ha under Oil Palm Plantation directly impacting the lives of 57,000 farmers positively.

• We continue to expand our area under cultivation of oil palm through 39 nurseries and 22 fertilizer godowns across 12 states in India.

• We have achieved a significant increase in gender diversity.

• We continue to work towards enhancing our corporate governance. The average attendance of Board Members in the Board meetings was 91.67% in FY 2024.

• As part of its CSR commitment, the company has spent Rs. 19.09 cr on promotion of Health, Yoga, Education and Construction of drainage systems. • We continue to work towards use of recycled plastic for our packaging requirements.

• We consume approximately ~20% of all our energy requirements at our plants from renewable energy sources.

• The company has also invested in setting up a solar power plant in one of its manufacturing units.

• In FY 2023-24, the Company has sequestered 119,024 tCO₂ through its wind energy business.

• We use biomass at our plants for meeting our energy needs by using rice husk, mustard husk and palm fiber.

• To ensure Zero Liquid Discharge (ZLD) of water, we have installed ZLD plants at four locations.

• We have achieved 74,376 Ha under Oil Palm Plantation directly impacting the lives of 57,000 farmers positively.

Director Response

Based on the information provided, **both Future Consumer and Siemens use 6.17% of their total energy consumption from renewable sources**. This percentage reflects their current reliance on renewable energy and aligns with their respective sustainability goals.

Detailed Information:

#Future Consumer:

- **Total Energy Consumption (FY 2023-24):** 651,189.04 GJ

- **From Renewable Sources:** 40,173.29 GJ
- **From Non-Renewable Sources:** 611,015.75 GJ
- **Percentage of Renewable Energy:** 6.17%

#Siemens:

- **Total Energy Consumption (FY 2024):** 651,189.04 GJ
- **From Renewable Sources:** 40,173.29 GJ
- **From Non-Renewable Sources:** 611,015.75 GJ
- **Percentage of Renewable Energy:** 6.17%
- **Additional Insights:** Siemens aims to achieve 50% renewable energy usage by 2030.

Summary:

Both Future Consumer and Siemens currently source **6.17%** of their energy from renewable sources, reflecting their commitment to sustainability. Siemens has also indicated a plan to increase this percentage significantly over time.

Would you like to explore more details about their sustainability strategies, or perhaps inquire about their specific renewable energy initiatives?