Hexaware

20 22 Sustainability Databook

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REPORTING BOUNDARY

Our operations are spread worldwide in Asia-Pacific Countries (APAC), Europe, and the Americas.

Reporting Boundaries for Financial data, social data and other qualitative data is for all offices globally, unless otherwise stated. However, the data and information for community engagement is limited to our operations in India.

Reporting Boundaries of the Environment related disclosures comprises of all offices of IT, BPS & MBQ in India at following locations mentioned below unless otherwise stated in the respective sections.

- » Ahmedabad
- » Bangalore
- » Coimbatore
- » Chennai
- » Nagpur
- » Pune
- » Mumbai
- » Noida



KEY PERFORMANCE INDICATORS

This chapter provides an overview of Hexaware's performance over time. Reporting Boundaries are stated in respective sections.

ECONOMIC PERFORMANCE

Our revenue in 2022 has increased by 28.2% since 2021.

| Performance (Values in INR Million) | 2021 | 2022 |
|-------------------------------------|--------|--------|
| Revenues | 71,777 | 91,996 |
| Net Worth | 37,879 | 41,230 |
| Profit After Tax | 7,488 | 8,842 |

EMPLOYEES

As per Hexaware's Performance Management Guidelines, only permanent employees undergo an annual performance and career development review. Additionally, only employees who joined Hexaware before September 30, 2022 are eligible for performance reviews under the policy. The yearly review of performance was available to 24,851 employees, and all eligible employees accomplished the process. There is transparency in the process and employees can see the rating given by their supervisor in the tool.

PERFORMANCE APPRAISAL DATA -

| | | CY 2021 | | | CY 2022 | |
|---------------|---------------------------------|--------------------|------------|--------------------------|--------------------|------------|
| | Total Number of Employee | Eligible Employees | Percentage | Total Number of Employee | Eligible Employees | Percentage |
| Gender | | | | | | |
| Male | 15569 | 13326 | 86% | 17985 | 16711 | 93% |
| Female | 7026 | 6068 | 86% | 8916 | 8140 | 91% |
| Total | 22595 | 19394 | 86% | 26901 | 24851 | 92% |
| Category-wise | | | | | | |
| Senior | 1499 | 1385 | 92% | 1803 | 1760 | 98% |
| Middle | 7868 | 6826 | 87% | 7533 | 7225 | 96% |
| Junior | 13228 | 11183 | 85% | 17565 | 15866 | 90% |
| Total | 22595 | 19394 | 86% | 26901 | 24851 | 92% |

Note: The Percentage represents only those eligible employees who have joined before September 30 out of all permanent employees of respective year under consideration.

PARENTAL LEAVE DATA

| Disclosures | Male | Female | Total |
|---|-------|--------|--------|
| Total number of employees that were entitled to parental leave, by gender. | 17975 | 8926 | 26,901 |
| Total number of employees that took parental leave, by gender. | 229 | 278 | 507 |
| Total number of employees due to return to work after taking parental leave | 228 | 175 | 403 |
| Total number of employees that returned to work in the reporting period after parental leave ended, by gender. | 228 | 170 | 398 |
| Number of employees who had taken parental leave in prior period and due to return to work in prior reporting period | 433 | 168 | 601 |
| Number of employees who returned to work after parental leave ended and are still employed 12 months after their return to work | 285 | 85 | 370 |
| Return to work rate (in percentage) | 100% | 97% | 99% |
| Retention rate (in percentage) | 66% | 51% | 62% |

Note: Only Permanent Employees of Hexaware IT, BPS & Mobiquity are considered.

NEW HIRES DATA

| By Gender | | | | | By Age Group | | | | |
|-----------|------------------|-----|------------------|-----|--------------|------------------|-----|------------------|-----|
| | 2021 | | 2022 | | | 2021 | | 2022 | |
| | No. of employees | % | No. of employees | % | | No. of employees | % | No. of employees | % |
| Male | 10490 | 66% | 12,706 | 64% | <30 Years | 8972 | 56% | 12448 | 63% |
| Female | 5475 | 34% | 7,052 | 36% | 30-50 Years | 6617 | 41% | 6867 | 35% |
| Total | 15965 | | 19,758 | | >50 Years | 376 | 2% | 443 | 2% |
| | | | | | Total | 15965 | | 19758 | |

By Region-wise

| , , | | | | |
|--------------|------------------|-----|------------------|-----|
| | 2021 | | 2022 | |
| | No. of employees | % | No. of employees | % |
| India | 12186 | 76% | 15210 | 77% |
| America | 2204 | 14% | 3,232 | 16% |
| Europe | 718 | 4% | 426 | 2% |
| Rest of APAC | 857 | 5% | 890 | 5% |
| Total | 15965 | | 19,758 | |

By Employee Category

| | 2021 | % | 2022 | % |
|--------------------|-------|-----|--------|-----|
| Senior Management | 383 | 2% | 372 | 2% |
| Middle Management | 3683 | 23% | 2,838 | 14% |
| Junior Management | 10449 | 66% | 14992 | 76% |
| Contract Employees | 1450 | 9% | 1,556 | 8% |
| Total | 15965 | | 19.758 | |

EMPLOYEE COUNT

By Gender

| by delider | | | | |
|--------------|-------|-----|-------|-----|
| | 2021 | % | 2022 | % |
| Male | 16735 | 69% | 19234 | 67% |
| Female | 7431 | 31% | 9374 | 33% |
| Total | 24166 | | 28608 | |
| | | | | |
| By Age Group | | | | |
| | 2021 | % | 2022 | % |
| <30 Years | 10319 | 43% | 13428 | 47% |
| 30-50 Years | 13090 | 54% | 14230 | 50% |
| >50 Years | 757 | 3% | 950 | 3% |
| Total | 24166 | | 28608 | |
| | | | | |

By Region-wise

| | 2021 | | 2022 | |
|--------------|------------------|-----|------------------|-----|
| | No. of employees | % | No. of employees | % |
| India | 18184 | 76% | 21919 | 77% |
| America | 3913 | 16% | 4,489 | 16% |
| Europe | 1261 | 5% | 1144 | 4% |
| Rest of APAC | 808 | 3% | 1,056 | 4% |
| Total | 24166 | | 28,608 | |

Employees by Employee Category

| | 2021 | | 2022 | | |
|--------------------|------------------|-----|------------------|-----|--|
| | No. of employees | % | No. of employees | % | |
| Senior Management | 1499 | 6% | 1803 | 6% | |
| Middle Management | 7868 | 33% | 7,533 | 26% | |
| Junior Management | 13228 | 55% | 17,565 | 61% | |
| Contract Employees | 1571 | 7% | 1,707 | 6% | |
| Total | 24166 | | 28,608 | | |

EMPLOYEE TURNOVER DATA

By Gender

| | 2021 | | 2022 | | |
|--------|------------------|-----|------------------|-----|--|
| | No. of employees | % | No. of employees | % | |
| Male | 7718 | 66% | 10207 | 67% | |
| Female | 3914 | 34% | 5109 | 33% | |
| Total | 11632 | | 15,316 | | |
| | | | | | |

By Age Group

| <u> </u> | | | | | |
|-------------|------------------|-----|------------------|-----|--|
| | 2021 | | 2022 | | |
| | No. of employees | % | No. of employees | % | |
| <30 Years | 6100 | 52% | 8094 | 53% | |
| 30-50 Years | 5268 | 45% | 6844 | 44% | |
| >50 Years | 264 | 2% | 378 | 3% | |
| Total | 11632 | | 15,316 | | |

By Region-wise

| | 2021 | | 2022 | |
|--------------|------------------|-----|------------------|-----|
| | No. of employees | % | No. of employees | % |
| India | 9143 | 79% | 11475 | 75% |
| America | 1592 | 14% | 2,656 | 17% |
| Europe | 429 | 4% | 543 | 4% |
| Rest of APAC | 468 | 4% | 642 | 4% |
| Total | 11632 | | 15,316 | |

By Employee Category

| | 2021 | | 2022 | | |
|--------------------|------------------|-----|------------------|-----|--|
| | No. of employees | % | No. of employees | % | |
| Senior Management | 276 | 2% | 347 | 2% | |
| Middle Management | 2409 | 21% | 2,933 | 19% | |
| Junior Management | 7862 | 68% | 10,575 | 69% | |
| Contract Employees | 1085 | 9% | 1,461 | 10% | |
| Total | 11632 | | 15,316 | | |

PERCENTAGE OF WOMEN EMPLOYEES

Our gender diversity has improved, with women now comprising 33% of our total workforce.

| Percentage of women employees | 2021 | 2022 |
|--|------|------|
| Women in workforce | 31% | 33% |
| Women in all management positions (including junior, middle, and top management) | 31% | 33% |
| Women in junior management positions | 23% | 26% |
| Women in top management positions | 2% | 1% |

Note - Definitions of employee category

Employees by employee category

| | IT | BPS | Mobiquity |
|-------------------|--------------------------|-------------------|--------------------------|
| Junior Management | Trainees, G2/S2 to G4/S4 | Band 1 and Band 2 | Trainees, G2/S2 to G4/S4 |
| Middle Management | SMT, G5/S5 to G7/S7 | Band 3 | SMT, G5/S5 to G7/S7 |
| Senior Management | G8/S8 and above | Band 4 | G8/S8 and above |

DIVERSITY OF GOVERNANCE BODIES

Board of directors

By Gender

| y denaci | | | | |
|----------|------|------------|------|------------|
| | 2021 | Percentage | 2022 | Percentage |
| Male | 8 | 80% | 8 | 80% |
| Female | 2 | 20% | 2 | 20% |
| Total | 10 | 100% | 10 | 100% |

By Age Group

| | 2021 | Percentage | 2022 | Percentage |
|-------------|------|------------|------|------------|
| < 30 years | 0 | 0% | 0 | 0% |
| 30-50 years | 3 | 30% | 3 | 30% |
| > 50 years | 7 | 70% | 7 | 70% |
| Total | 10 | 100% | 10 | 100% |

Employee Diversity (Gender wise)

| | 2021 | | | 2022 | | |
|-----------------------|------|--------|------|------|--------|------|
| | Male | Female | % | Male | Female | % |
| Senior Management | 8% | 2% | 6% | 8% | 2% | 6% |
| Middle Management | 37% | 24% | 33% | 30% | 19% | 26% |
| Junior Management | 48% | 69% | 55% | 55% | 74% | 62% |
| Contract Employees | 7% | 5% | 6% | 7% | 5% | 6% |
| Total | 100% | 100% | 100% | 100% | 100% | 100% |

Employee Diversity (Age wise)

| | 2021 | | | 2022 | | | | |
|-----------------------|------|-------|------|------|------|-------|------|------|
| | <30 | 30-50 | >50 | % | <30 | 30-50 | >50 | % |
| Senior Management | 1% | 9 % | 39% | 6% | 1% | 10% | 43% | 6% |
| Middle Management | 8% | 52 % | 28% | 33% | 5% | 46% | 23% | 26% |
| Junior Management | 87% | 31% | 17% | 55% | 91% | 36% | 19% | 62% |
| Contract Employees | 4% | 8% | 16% | 6% | 3% | 8% | 15% | 6% |
| Total | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |

Note: Rounded up to nearest integer number

TRAININGS CONDUCTED

Average Training Hours by Gender

| | | 2021 | | | 2022 | |
|--------|----------------------|-----------|------------------------|----------------------|-----------|------------------------|
| | Total training hours | Headcount | Average training hours | Total training hours | Headcount | Average training hours |
| Male | 412672 | 15973 | 25.84 | 626922 | 18434 | 34.01 |
| Female | 263600 | 7172 | 36.75 | 329456 | 9111 | 36.16 |
| Total | 676272 | 23145 | 29.22 | 956378 | 27545 | 34.72 |

Note: This disclosure pertains to Hexaware IT & Hexaware BPS Employees and excludes Mobiquity employees. For Calculation of Average Hours we had considered only those employees who were reporting to IT & BPS offices only.

Average Training Hours by Employee Category

| | | 2021 | | | 2022 | |
|-------------------|----------------------|-----------|------------------------|----------------------|-----------|------------------------|
| | Total training hours | Headcount | Average training hours | Total training hours | Headcount | Average training hours |
| Senior Management | 1452 | 2771 | 0.52 | 1412 | 1604 | 0.88 |
| Middle Management | 78175 | 5600 | 13.96 | 74299 | 6979 | 10.65 |
| Junior Management | 589939 | 13357 | 44.17 | 868494 | 17320 | 50.15 |
| Total | 6706 | 1417 | 4.73 | 12173 | 1642 | 7.41 |
| | 676272 | 23145 | 29.22 | 956378 | 27545 | 34.72 |

Note: This disclosure pertains to Hexaware IT & Hexaware BPS Employees and excludes Mobiquity employees. For Calculation of Average Hours we had considered only those employee who were reporting to IT & BPS offices only.

Average Training Hours by Training

| | Male | Female | Total |
|---|--------|--------|--------|
| OD Program | 25351 | 9844 | 35195 |
| SEED | 4533 | 2613 | 7146 |
| Signature Program | 3229 | 2666 | 5895 |
| UDAAN | 260 | 118 | 378 |
| Evolve | 204460 | 68943 | 273403 |
| Mavericks | 373981 | 239372 | 613353 |
| Others | 15109 | 5900 | 21009 |
| Total Training Hours | 626922 | 329456 | 956378 |
| Total No. of Regular Employees (BPS+IT) | 18434 | 9111 | 27545 |
| Average Training Hours | 34.01 | 36.16 | 34.72 |
| | | | |

Note: This disclosure pertains to Hexaware IT & Hexaware BPS Employees and excludes Mobiquity employees. For Calculation of Average Hours we had considered only those employee who were reporting to IT & BPS offices only.

ENVIRONMENT

PERFORMANCE ACROSS ENERGY, EMISSIONS, WATER AND WASTE.

Energy Consumption in GJ

| | 2021 | 2022 |
|--|-----------|-----------|
| Renewable Energy | | |
| Solar Energy | 7737.552 | 7962.77 |
| Wind Energy | 13864.68 | 15946.94 |
| Total Renewable Energy (A) | 21,602.23 | 23,909.70 |
| Non-renewable Energy | | |
| Electricity – others | 7838.856 | 41601.79 |
| Diesel Consumption | 2782.26 | 3284.32 |
| Total Non-Renewable Energy (B) | 10621.12 | 44,886.11 |
| Total Energy Consumption (within the organization) (A+B) | 32223.35 | 68,795.82 |

Note:

For Electricity: Conversion Factor Used for Conversion of kWh to GigaJoules is 0.0036 (1kWH= 0.0036 GJ)

For Diesel: Source of emission factors are referred from IPCC stationary combustion file. Refer link below

https://www.ipcc-nggip.iges.or.jp/public/2006gl/pdf/2_Volume2/V2_2_Ch2_Stationary_Combustion.pdf

Conversion factor used for conversion of 1 litre of diesel to GigaJoules is 0.0361 (1It=0.0361)

Conversion factor used for Updating of Disclosures of Previous year is 1 MWH = 3.6GJ & for Diesel 1 ltr=.0361GJ

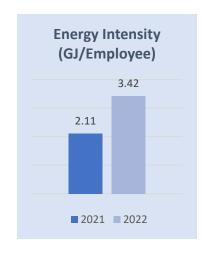
Energy Type (in GJ)

| Electricity consumption (Renewable + Non-renewable) | 62038.49 |
|---|----------|
| Heating and Cooling Consumption | 3,473.00 |
| Others | 3284.32 |
| Total (Energy within the organization) | 68795.81 |

Others include Diesel Consumption for DG Sets (owned) and Diesel consumption for owned vehicles.

Note: For Energy Consumption we have reported the energy consumed at IT, BPS & Mobiquity offices situated in Mumbai, Pune, Chennai, Noida, Bangalore, Coimbatore, Nagpur and Ahmedabad.

We have considered new locations this year for Energy Consumption: Coimbatore, Nagpur, Ahmedabad.



Note: For Energy Intensity calculation we have considered employees reporting at IT, BPS & Mobiquity offices situated in Mumbai, Pune, Chennai, Noida, Bangalore, Coimbatore, Nagpur and Ahmedabad.

Number of employees included in intensity calculations for our operations is – 2021: 15278, 2022: 20094

Emissions data (in MTCO2)

The Ozone Depleting Substance (ODS) produced for the reporting period was 2.30 MT CFC-11 equivalent.

Scope 1 & Scope 2

| Emissions | 2021 | 2022 |
|---|---------|---------|
| Total Emissions (Scope 1+2) | 2240.87 | 8812.34 |
| | | |
| Scope 1 Total (MTCO2) | 520.65 | 549.76 |
| Scope 1 - By Sources | | |
| Emissions from Fuel Consumption (Diesel) - DG Sets & Company Owned Vehicles | 206 | 243.37 |
| Fugitive Emissions (MT) | 314.4 | 306.39 |
| | | |
| Scope 2 Total (MTCO2) | 1720.22 | 8262.58 |
| Scope 2 - By Source | | |
| Purchased Electricity | 1720.22 | 8262.58 |
| | | |
| Number of employees* | 15278 | 20094 |
| GHG Intensity Scope 1 + Scope 2 MTCO2 per employee | 0.15 | 0.44 |

Note: For Emission Intensity (Scope1 + Scope2) calculation we have considered employees reporting at IT, BPS & Mobiquity offices situated in Mumbai, Pune, Chennai, Noida, Bangalore, Coimbatore, Nagpur and Ahmedabad.

For Scope1

Emissions calculation we have considered emissions reported at offices of IT & BPS situated in Mumbai, Pune, Chennai, Noida, Bangalore, Coimbatore, Nagpur and Mobiquity Ahmedabad.

Exclusion for Refrigerant Details: IT (Loma & Pune) & BPS (All offices) & MBQ (All offices)

Exclusion for Extinguisher details: IT- Noida, BPS(MBP-3, Chennai One, Fayola, Coimbatore) MBQ (Pune)

For Scope2

Emissions calculation we have considered emissions reported at offices of IT, BPS & Mobiquity situated in Mumbai, Pune, Chennai, Noida, Bangalore, Coimbatore, Nagpur and Ahmedabad.

We have considered new locations this year for Energy Consumption: Ahmedabad, Coimbatore, Nagpur

Scope 3

| Emissions | 2021 | 2022 |
|---|-------|-----------|
| Scope 3 Total (MTCO2) | 425 | 2,909.23 |
| Scope 3 – By Sources | | |
| Category 6- Business Travel | 425 | 2908.34** |
| Category 5- Waste Generation in Operations | NA | 0.77 |
| Category 3- Fuel and Energy related activities not included under Scope 1 and Scope 2 | NA | 0.12 |
| Number of employees | 15278 | 28608** |
| GHG Intensity (Scope 3 MTCO2 per employee) | 0.028 | 0.101 |

Categories considered for calculation under Scope 3 emissions

- Category 3 Fuel and Energy related activities not included under Scope 1 and Scope 2
- Category 5 Waste Generation in Operations
- Category 6 Business Travel

^{*} Number of employees included in Scope 1 & Scope 2 intensity calculations for our operations is - 2021: 15278 2022: 20094

^{**} Air Travel data is based on Airmiles as source for calculating CO2 emission. Reason for the increase in CO2 emissions is because of travel increase post pandemic in 2022. Number of employees included in Scope 3 intensity calculations for our operations is - 2021: 15278 2022: 28608.

WATER DATA

| Parameter | Unit | 2021 | 2022 | Water Consumption |
|---------------------------------|------|---------|--------|-------------------|
| Water Consumption | KL | 97568.7 | 113971 | |
| Water Discharged | KL | 0 | 0 | Chennai |
| Water Recycled | KL | 14368 | 20952 | Chennai Fayola |
| | | | | Chennai One |
| | | | | Coimbatore |
| Water withdrawal by Source | Unit | 2021 | 2022 | Mumbai- Loma |
| Surface Water | KL | 0 | 0 | Mumbai- Loma |
| Ground Water | KL | 0 | 0 | Pune |
| Third-Party Water | KL | 92758 | 110453 | Mumbai MBP 1 |
| Seawater/desalinated water | KL | 0 | 0 | |
| Water from rainwater harvesting | KL | 4811 | 3518 | Mumbai MBP 152 |
| Total Water Withdrawal | KL | 97568.7 | 113971 | Mumbai MBP 157 |
| | | 2700011 | 307 1 | Nagpur |
| | | | | Mumbai MBP 3 |

Note- The water data gets collated in a master excel workbook/template which is designed based on GRI 303 requirements.

Number of employees included in intensity calculations for our operations is - 2021: 15278 2022: 19176

For Water Consumption calculation we have considered water consumption at IT & BPS offices situated in Mumbai, Pune, Chennai, Coimbatore, Excluding Noida & Bangalore offices.

Total Consumption

Total Water

Consumption (in KL) 55,495.02

1.682.72

189.6 55.18

1,743.97 8,654.71

19,426.90

5,678.60 3,749.86

4.776.80

299.68

12,217.96

113,971.00

Unit

KL KL

KL

KL KL

KL

KL KL

KL KL

KL

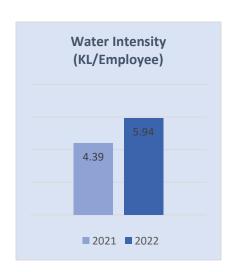
KL

We have considered new location this year for Water Consumption: Coimbatore

- 1. Total Water consumed is through third party sources and rainwater
- 2. Rainwater consumption is reported at Chennai Siruseri and Pune
- 3. Tanker water (Water Procurement and consumed from Third party vendors) consumption is reported at Chennai Siruseri and Mumbai
- 4. Drinking water (Jar) (Water Procurement and consumed from Third party vendors) consumption is reported at Chennai, Pune, Mumbai, Coimbatore and Nagpur

Water Consumption

| | | | | Surface water in KL (Water procurement | Tanker water in KL | Drinking water (Jars)KL | Total Water |
|-------------------|-----------------|------|-----------------|---|-----------------------|----------------------------|---------------------|
| Location | Business sector | Unit | Rainwater in KL | from industrial authorities*) Third party water | | | Consumption (in KL) |
| Chennai | IT | KL | 3,286.00 | 48,396.00 | 3,600.00 | 213.02 | 55,495.02 |
| Chennai Fayola | BPS | KL | - | 1,620.64 | - | 62.08 | 1,682.72 |
| Chennai One | BPS | KL | - | - | - | 189.60 | 189.6 |
| Coimbatore | BPS | KL | - | - | - | 55.18 | 55.18 |
| Mumbai- Loma | IT | KL | - | 1,679.47 | 29.02 | 35.48 | 1,743.97 |
| Mumbai- Loma | BPS | KL | - | 8,444.13 | - | 210.58 | 8,654.71 |
| Pune | IT | KL | 232.00 | 19,086.50 | - | 108.40 | 19,426.90 |
| Mumbai MBP 1 | IT | KL | - | 5,653.00 | - | 25.60 | 5,678.60 |
| Mumbai MBP 152 | IT | KL | - | 3,703.00 | - | 46.86 | 3,749.86 |
| Mumbai MBP 157 | BPS | KL | - | 4,729.00 | - | 47.80 | 4,776.80 |
| Nagpur | BPS | KL | - | - | - | 299.68 | 299.68 |
| Mumbai MBP 3 | BPS | KL | - | 11,184.00 | 840.00 | 193.96 | 12,217.96 |
| Total Consumption | | | 3,518.00 | 104,495.74 | 4,469.02 | 1,488.24 | 113,971.00 |



Number of employees included in intensity calculations for our operations is - 2021: 15278 2022: 19176

WASTE DATA

| 11 11 11 11 11 11 11 11 11 11 11 11 11 | | |
|--|-------|--------|
| Waste Details | 2021 | 2022 |
| Lube oil/Used oil | 8.80 | 1.24 |
| Total Hazardous Waste | 8.80 | 1.24 |
| Paper waste | 1.16 | 11.41 |
| Food waste | 0 | 11.47 |
| Plastic waste | 0.06 | 0.60 |
| Metal waste | 0 | 9.26 |
| Miscellaneous waste | 0 | 0 |
| Total Non-Hazardous Waste | 1.23 | 32.75 |
| E-waste | 12.84 | 14.421 |
| Total Waste Generated | 22.88 | 48.42 |
| | | |

Waste Directed to Disposal (in MT)

| Waste Details | 2022 |
|----------------------------------|------|
| Total Hazardous Waste | 0 |
| Plastic waste | 0.21 |
| Metal waste | 4.26 |
| Total Non-Hazardous Waste | 4.47 |
| E-waste | 0 |
| Total Waste Directed to Disposal | 4.47 |

DATA COMPUTATIONAL METHODS

» Energy Intensity ratio

Numerator is Scope 1 + Scope 2 MTCO2 & Denominator is Employee count. Employee count for 2021 = 15278, 2022 = 20094

Energy Intensity ratio uses energy consumption within the organization.

Types of energy included in the intensity ratio- Electricity, Diesel, Refrigerants Consumed

» Standards, methodologies, assumptions, and/or calculation tools used, if any

We have SOP for "Energy and Emissions Management" which provides details about standards, methodologies & calculations related to Scope1, Scope 2, Scope 3 calculations. We have prepared master excel templates where data of all locations gets collated.

» Consolidation approach for emissions; whether equity share, financial control, or operational control – Operational Control

- » Gases included in the calculation of Scope 1, Scope 2 & Scope 3 CO2, CO2 equivalent of CH4, N2O, HFCs, PFCs, SF6, NF3 wherever available
- » Energy Intensity ratio Numerator is Scope 1 + Scope 2 MTCO2 & denominator is employee count. Employee count for 2021- 15278, 2022- 20094

EMISSIONS FACTORS USED FOR GHG CALCULATIONS

Energy & Emissions source & conversion factors

» For Scope 1: Source of emission factors are referred from IPCC stationary combustion chapter and GHG Protocol.

» Emission Factors:

For Diesel: For Refrigerants:

Density: 0.84 kg/litre of fuel

1KL Diesel=2.67TCO2Heating Value Energy Basis: 74100 Kg/TJHCFC-22 (1KG)1,810.000GWP as per UNEP ODP GWP CalculatorHeating Value: 43TJ/GgR 407 (1KG)1,774.000GWP as per UNEP ODP GWP CalculatorR410 (1 KG)2,088.000GWP as per UNEP ODP GWP Calculator

Refer links below

https://www.ipcc-nggip.iges.or.jp/public/2006gl/pdf/2_Volume2/V2_2_Ch2_Stationary_Combustion.pdf

https://ghgprotocol.org/calculation-tools-and-guidance

https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2022

» For Scope 2: Emission factor for grid electricity is referred from Central Electricity Authority (CO2 Baseline database for Indian power sector - Version 18) for year 2022.

Emission Factor for Grid electricity (Weighted Average Emission Rate Incl. RES*): 0.000715 (tCO2/kWh)

Refer Link: https://cea.nic.in/wp-content/uploads/baseline/2023/01/Approved report emission 2021 22.pdf
*RES - Renewable Energy Sources