



CO₂ emission at Tezpur University

Year: 2023

SCOPE 1

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|---|--------|
| Annual Diesel consumption (litres) | 45600 |
| Annual LPG consumption (kg) | 177216 |
| Vehicle use to commute office per year (km) | 748000 |
| CO ₂ emission due to Diesel consumption (MT) | 122.05 |
| CO ₂ emission due to LPG consumption (MT) | 530.10 |
| CO ₂ emission due to Vehicle use (MT) | 108.01 |
| Annual CO ₂ emissions (MT) | 760.16 |

SCOPE 2

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|---|---------|
| Electricity consumption for own use (kWh) | 4805123 |
| CO ₂ emission due to grid electricity (MT) | 3440.47 |

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| Weighted average emission factor of the Indian Grid (kg of CO ₂ per kWh) FY 2022-2023 (including RES) | 0.716 |
| Emissions factor for LPG (kg of CO ₂ per kg of LPG combustion) | 2.991 |
| Emissions factor for Diesel (kg of CO ₂ per kg of diesel combustion) | 2.676492 |
| Average emission factor for vehicle (kg of CO ₂ per km use) | 0.144 |

Emissions Reduction

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|---|-----------|
| Solar Power Plant Generation (kWh) | 1033904.8 |
| CO ₂ emissions reduction due to solar power plant (MT) | 740.3 |
| Emissions reduction due to solar power plant (%) | 17.62 |