**Greenhouse Gas Inventory Report (GHG Protocol)**

# kmutnb - January 2025 to September 2025

*Generated on 30 September 2025 at 10:50*

# Executive Summary

This GHG carbon emissions report presents a comprehensive analysis of greenhouse gas emissions   
 for kmutnb covering the period from January 2025   
 to September 2025. Total emissions reached 9914.62 kg CO2e   
 across 22 emission records. The report follows GHG standards and provides   
 actionable insights for emission reduction strategies. Key focus areas include energy efficiency improvements   
 and sustainable operational practices to achieve carbon reduction goals.

# Key Metrics

|  |  |
| --- | --- |
| **Metric** | **Value** |
| Total Emissions | 9914.62 kg CO2e |
| Average Monthly | 1101.62 kg CO2e/month |
| Reporting Period | 01 January 2025 - 30 September 2025 |
| Record Count | 22 emission records |

# Emissions by Scope (GHG Protocol)

|  |  |  |
| --- | --- | --- |
| **Scope** | **Emissions (kg CO2e)** | **Percentage** |
| Scope 3 | 9914.62 | 100.0% |

**Scope 3:** Other indirect greenhouse gas emissions in the organization's value chain

# Key Findings

* Total emissions: 9914.62 kg CO2e
* Reporting period: January 2025 to September 2025
* Number of emission records: 22
* Primary emission source: R-134a
* Number of emission categories: 13
* Scope 3: 100.0% of total emissions

# Recommendations

1. Prioritize reduction strategies for R-134a emissions
2. Implement comprehensive energy management system
3. Conduct regular energy audits to identify efficiency opportunities
4. Consider renewable energy procurement options
5. Establish emission reduction targets and monitoring procedures
6. Develop employee awareness programs for carbon reduction

# Trend Analysis

Emissions showed an increasing trend over the reporting period, rising from 106.2 to 2710.5 kg CO2e. This indicates a need for enhanced emission reduction measures and closer monitoring of emission sources.

# Methodology

This report complies with the GHG Protocol Corporate Accounting and Reporting Standard.  
 Emissions are classified according to Scope 1, 2, and 3 categories as defined by the GHG Protocol.  
 Calculation methodologies follow GHG Protocol guidance for corporate inventories.  
 Data quality and uncertainty are managed according to GHG Protocol requirements.

# Compliance Notes

This report complies with the GHG Protocol Corporate Accounting and Reporting Standard.  
 Emissions are categorized into Scope 1, 2, and 3 as defined by the GHG Protocol.  
 Calculation methodologies follow GHG Protocol guidance for corporate inventories.  
 Data quality and uncertainty management align with GHG Protocol requirements.

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