



DELLNER BUBENZER INDIA PRIVATE LIMITED

Survey No: 399/3A, Padur Road, Kuthambakkam Village, Poonamallee,
Thiruvallur District, Chennai - 600124. Tamilnadu, India.

GHG EMISSION REPORT

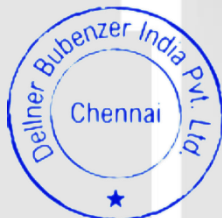
For the Year January 2025 – December 2025

Form No : DBI/ESG/045
Issue No : 01
Rev No : 00
Date : 07th January, 2026

A. Krishnakanth

Prepared by: A. Krishnakanth
Designation: Senior Manager-QHSE

R. Nair



Approved by: Rakesh Nair
Designation: Chief Operating Officer





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1. Executive Summary

Organization Overview

DBI India is engaged in assembly, testing, servicing, maintenance, engineering, and design of braking systems, locking systems, fluid application systems, couplings, and related equipment for renewable energy and industrial applications, including fluid application system design for the wind energy sector.

Reporting Period: 01 January 2025 to 31 December 2025

Key Emission Results

Organizational Boundary

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Calculation period: January 2025 to December 2025

All values are in MT CO2 e

GHG Emission Reporting Frequency: Annually

Scope	Emissions (tCO ₂ e)
Scope 1	202.58
Scope 2	13.81
Scope 3	1790.33
Scope 3 Upstream	1784.42
Scope 3 Downstream	5.91
Total Emission	2,006.72

Highlights and Reduction Achievements

- ESG principles integrated into business operations.
- Energy-efficient equipment utilized in assembly and testing operations.
- Increased use of digital documentation and remote meetings.
- Focus on renewable energy sector projects contributing to global decarbonization.
- Waste segregation and responsible disposal practices implemented.

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2. Introduction

Purpose of the Report

To quantify, monitor, and disclose greenhouse gas emissions generated by DBI's operations in accordance with ISO 14064-1 and GHG Protocol requirements.

Intended Users

- Customers
- Investors
- Regulatory authorities
- ESG rating agencies
- Certification bodies
- Internal management

Reporting Objectives

- Voluntary ESG reporting
- Customer sustainability requirements
- Carbon footprint management
- Identification of emission reduction opportunities
- Continuous environmental improvement

3. Organization Description

Company Profile

Organization: DBI India

Business Activities:

- Assembly of industrial and renewable energy equipment
- Testing and servicing operations
- Design of fluid application systems
- Braking and locking system solutions
- Coupling systems for industrial applications
- Renewable energy support services

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Organizational Structure

- Engineering & Design
- Assembly & Testing
- Service Operations
- Supply Chain & Procurement
- Administration & Management

Operations, Facilities and Boundaries

The inventory covers all operationally controlled facilities involved in:

- Offices
- Workshops
- Assembly areas
- Testing facilities
- Service operations

4. Reporting Boundary

Organizational Boundary

Approach: Operational Control Approach

DBI reports emissions from facilities and activities over which it exercises operational control.

Operational Boundary

Scope 1

Direct emissions from owned or controlled sources.

Scope 2

Indirect emissions from purchased electricity.

Scope 3

Other indirect emissions across the value chain.

Entities and Locations Covered

- Corporate office
- Assembly facility
- Testing facility
- Service operations
- Warehousing and logistics activities under operational control

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5. Reporting Period

- **Start Date:** 01 January 2025
- **End Date:** 31 December 2025
- **Frequency:** Annual

6. GHG Accounting Methodology

Standards Followed

- ISO 14064-1:2018
- GHG Protocol Corporate Accounting and Reporting Standard
- IPCC Guidelines
- DEFRA Emission Factors
- India Grid Emission Factors

Calculation Method

GHG Emissions = Activity Data × Emission Factor

Tools Used

- Spreadsheet-based calculation tools
- ISO 14064 aligned emission inventory methodology
- Internal ESG reporting system

7. Emission Sources Identification

Direct Sources

- Diesel Generator operation
- Company-owned vehicles
- Refrigerant leakage from air-conditioning systems

Indirect Sources

- Purchased electricity
- Purchased materials
- Transportation and logistics
- Waste disposal
- Employee commuting
- Business travel

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Source Mapping

Emission sources were identified through:

- Facility assessment
- Utility review
- Procurement records
- Logistics records
- Employee transportation review

8. GHG Scope Classification

8.1 Scope 1 – Direct Emissions

Stationary Combustion

- Diesel generator sets
- Emergency power systems

Mobile Combustion

- Company service vehicles

Fugitive Emissions

- Air-conditioning refrigerant leakage

Process Emissions

No significant process emissions identified.

Total Scope 1 Emissions: 202.58 tCO₂e

8.2 Scope 2 – Indirect Energy Emissions

Purchased Electricity

Electricity consumed in:

- Offices
- Assembly operations
- Testing operations
- Service facilities

Total Scope 2 Emissions: 13.81 tCO₂e

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8.3 Scope 3 – Other Indirect Emissions

Upstream Activities

- Purchased raw materials and components
- Capital goods
- Third-party transportation
- Waste disposal
- Employee commuting
- Business travel

Upstream Emissions: 1,784.42 tCO₂e

Downstream Activities

- Product transportation
- Customer delivery activities
- Product end-of-life impacts

Downstream Emissions: 5.91 tCO₂e

Total Scope 3 Emissions: 1,790.33 tCO₂e

9. GHG Data Collection and Quality

Data Sources

- Utility bills
- Fuel purchase records
- Logistics records
- Procurement records
- Travel records
- Waste disposal manifests

Data Collection Method

Monthly collection and annual consolidation.

Data Quality Controls

- Management review
- Cross-verification of invoices
- Internal approval process
- Consistency checks

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10. Emission Factors

Sources

- IPCC Assessment Reports
- DEFRA Conversion Factors
- Central Electricity Authority (India)
- GHG Protocol Technical Guidance

Units

- Electricity: kgCO₂e/kWh
- Diesel: kgCO₂e/litre
- Petrol: kgCO₂e/litre
- Transport: kgCO₂e/ton-km
- Waste: kgCO₂e/tonne

11. Calculation Results

11.1 Total GHG Emissions

Scope	2023 Emissions (tCO ₂ e)	2024 Emissions (tCO ₂ e)	2025 Emissions (tCO ₂ e)
Scope 1	235.84	218.46	202.58
Scope 2	15.22	14.48	13.81
Scope 3	1969.74	1879.98	1790.33
Scope 3 Upstream	1962.86	1873.64	1784.42
Scope 3 Downstream	6.88	6.34	5.91
Total Emission	2220.80	2112.92	2006.72

Gas-wise Scope 1 Break-up (Estimated)

Gas	tCO ₂ e
CO ₂	198.52
CH ₄	2.10
N ₂ O	1.96
Total	202.58

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11.2 Emission Breakdown by Source

Source Category	tCO ₂ e	%
Scope 1	202.58	10.1
Scope 2	13.81	0.7
Scope 3	1,790.33	89.2
Total	2,006.72	100

11.3 Emission Intensity Indicators

Assumptions:

- Employees: 82

Indicator	Result
tCO ₂ e per employee	40.13

Additional intensity indicators may be calculated using actual production data.

12. Base Year and Trend Analysis

Base Year

2025 selected as the baseline year.

Justification

First comprehensive GHG inventory prepared under ISO 14064-1.

Historical Comparison

Future inventories will be compared against 2025 baseline.

Organizational Changes

No significant organizational changes reported.

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13. Uncertainty Assessment

Sources of Uncertainty

- Emission factor variability
- Estimation of transportation data
- Supplier information availability
- Scope 3 assumptions

Method

Qualitative uncertainty assessment performed.

Confidence Level

Moderate to High confidence for Scope 1 and Scope 2.

Moderate confidence for Scope 3.

14. Data Quality Assessment

Parameter	Rating
Completeness	High
Consistency	High
Accuracy	Moderate to High
Transparency	High
Reliability	High

Validation Activities

- Invoice verification
- Utility reconciliation
- Internal management review
- Consistency checks

15. GHG Reduction Initiatives

Energy Efficiency

- LED lighting
- Energy-efficient equipment
- Preventive maintenance

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Waste Reduction

- Waste segregation
- Recycling initiatives
- Reduced packaging waste

Water Management

- Responsible consumption monitoring

Future Sustainability Goals

- 10% reduction in Scope 1 and 2 emissions by 2030
- Increased renewable electricity sourcing
- Supplier engagement for Scope 3 reductions
- Improved logistics optimization

16. Conclusions

Summary

DBI's total GHG footprint for 2025 is 2,006.72 tCO₂e.

Scope 3 emissions account for the largest proportion of emissions, indicating that supply chain and purchased goods are the primary contributors.

Successes

- ESG integration established.
- Carbon footprint quantified.
- Reduction opportunities identified.

Plan for Next Reporting Period

- Improve activity-level data collection.
- Increase renewable electricity usage.
- Implement supplier sustainability assessments.
- Enhance transportation efficiency.
- Establish annual emission reduction targets.