



Address: Plot No.11C, Industrial Park, Site – A, Ammavaripalli Village, Penukonda Mandal, Anantapur, Andhra Pradesh, India-515164

Email: govind@saehani.com

CIN -U28999AP2017FTC107297, Tel: +91-9133442003

Scope 3 Emissions Report

Company Name: KSH Automotive Pvt. Ltd.

Reporting Period: 1st January 2023 – 31st December 2023

Location: Duddebanda

Prepared by: EHS

Department

Approved by: MD

Date: 31st dec 2023

1. Introduction

This report outlines the Scope 3 Greenhouse Gas (GHG) emissions of KSH Automotive Pvt. Ltd. for the calendar year 2023. Scope 3 emissions are indirect emissions occurring across the value chain and are categorized as upstream and downstream emissions in accordance with the GHG Protocol.

2. Emissions Summary

Category	Scope 3 Source Description	Estimated Emissions (tCO ₂ e)	Data Source / Methodology
1. Purchased goods and services	Steel, plastic components, rubber from Tier-1 suppliers	12,500	Spend-based estimation
3. Fuel- and energy-related activities	Transmission and distribution losses of purchased electricity	225	CEA emission factor
4. Upstream transportation and distribution	Inbound logistics from suppliers	1,820	Distance-weighted emission factor
5. Waste generated in operations	Scrap metal, packaging waste, industrial waste disposal	315	Waste logs and standard factors
6. Business travel	Employee air and rail travel for meetings, audits, etc.	42	Travel records
7. Employee commuting	Daily travel by employees (cars,	385	Staff survey +



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	buses, bikes)		standard mode factors
9. Downstream transportation & distribution	Finished goods transport to OEMs/dealers	1,970	Dispatch logs, transport type
11. Use of sold products	Emissions from vehicle part usage during product life	6,800	Lifecycle emission estimates
12. End-of-life treatment of sold products	Recycling/disposal of worn-out parts	390	Based on industry disposal practices

Total Scope 3 Emissions: 24,457 tCO₂e

3. Methodology

- Followed **GHG Protocol Corporate Value Chain Standard**
- Used combination of **spend-based, activity-based, and hybrid methods**
- Emission factors sourced from:
 - IPCC 6th Assessment Report
 - India CEA Grid Emission Factors (for T&D)
 - DEFRA / USEPA databases

4. Limitations

- Some estimations were made using industry averages in absence of supplier-specific data.
- Use phase emissions are approximated based on product category life-cycle assumptions.

5. Improvement Plan

Action	Timeline	Responsibility
Engage top 10 suppliers for carbon data	FY 2024–25	Procurement & EHS Teams



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Collect actual logistics fuel consumption

Q3 FY 2024 Logistics Department

Employee commute survey update

Q2 FY 2024 HR & Sustainability Teams

Integrate LCA software for product use phase FY 2025–26 R&D / Sustainability Team

6. Declaration

This report is prepared based on best available data and estimation methods as per international guidelines and is true to the best of our knowledge.

For KSH Automotive Pvt. Ltd.

Mr. Yongsung Kim

Managing Director

