

Green Logistics in India: 8 Ways To Make Trucking More Sustainable

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Headline Score82

SEO Score72

Theme: Sustainable Logistics

Summary: Create a blog post that tells about the relevance of sustainability in logistics, and create a listicle of ways in which the logistics industry (specifically trucking) can adopt greener, sustainable ways of operations.

Keyword Data:

Primary Keyword	Secondary Keywords	Other Keywords
sustainable logistics	green logistics in india	sustainable logistics & supply chain management

Blog Intent:

- Inform readers about the importance of sustainability in logistics
- Talk about green logistics in trucking and supply chain domain

Word Count: 800-1000 words

URL Slug: /green-sustainable-logistics-india

Title tag: Green Logistics: 8 Ways To Make Trucking More Sustainable

H1: Green Logistics in India: 8 Ways To Make Trucking More Sustainable

Meta Description: Relevance of sustainable logistics in India, and how the trucking industry can adopt greener, sustainable ways of operations.

Green Logistics in India: 8 Ways to Make Trucking More Sustainable

Green logistics isn't just an upcoming trend or a fad, but a pressing need of the decade.

While the European Union announced the European Green Deal (EGD) with an ambitious aim to become the world's first climate-neutral continent by 2050, the logistics industry across the world is facing extreme pressure to decrease the outflows.



According to [reports by IEA](#), the Transport industry has the highest reliance on fossil fuels of any sector and accounts for more than 35% of CO₂ emissions. [BCG](#) says, "Transportation activities (aviation, rail, shipping, heavy and light trucking) are responsible for approximately 17% of global greenhouse gas (GHG) emissions." And these numbers continue to rise.

The future looks bleak. And the alarm has rung already. As an industry, we must take steps to curb the problem and resolve it immediately. Read on to get an overview about green logistics in India, sustainable logistics & supply chain management, and actionable steps for the trucking industry to become more sustainable.

Why is Green Logistics Relevant in Trucking?

With the rising number of trades and eCommerce in India, the ever-increasing demand for more trucks is ubiquitous. And more the number of trucks, the greater the pollution will be.

Due to the fragmented nature of the trucking industry, regulations related to maintenance of trucks and pollution are often overlooked. Keeping in mind that trucks are one of the biggest contributors to the production of [global greenhouse gas \(GHG\)](#) and a vital part of the Indian logistics scenario, substantial steps need to be taken.

How Can We Make Trucking & Logistics Sustainable?

We must emphasize on managing every involved element in the supply chain network.

1. Optimize truck loading

For gaining maximum profits, optimizing truck loading and handling the logistics is necessary. We recommend the following:

- Integrate a solution or system to help you improve your KPIs for empty miles
- Know the scale of operations, pre-plan the journey, and have visibility across the supply chain with an efficient transport management system
- Choose the right trucking solutions for the appropriate cargo needs
- Optimize run vehicle load in real time by cargo weight and volume
- Employ data analytics to make informed decisions on routes, cargo, weather, etc

2. Electric trucks & solar-powered vehicles

In most cases, truck drivers use diesel as a fuel to reduce mileage costs. Did you know diesel releases 13% more CO₂ in the environment? Now, this can be avoided with:

- Alternative fuels such as [biofuel](#) can replace the traditional fuels contributing to a healthier environment.
- Choose alternative sources of energy to diesel like electric trucks or solar-powered vehicles.

3. Sustainable warehouses

A sustainable warehouse brings multiple benefits. It helps you attain a cost-effective and efficient state of operations, improves your reputation, and makes you stand out among your competitors. To achieve a sustainable warehouse:

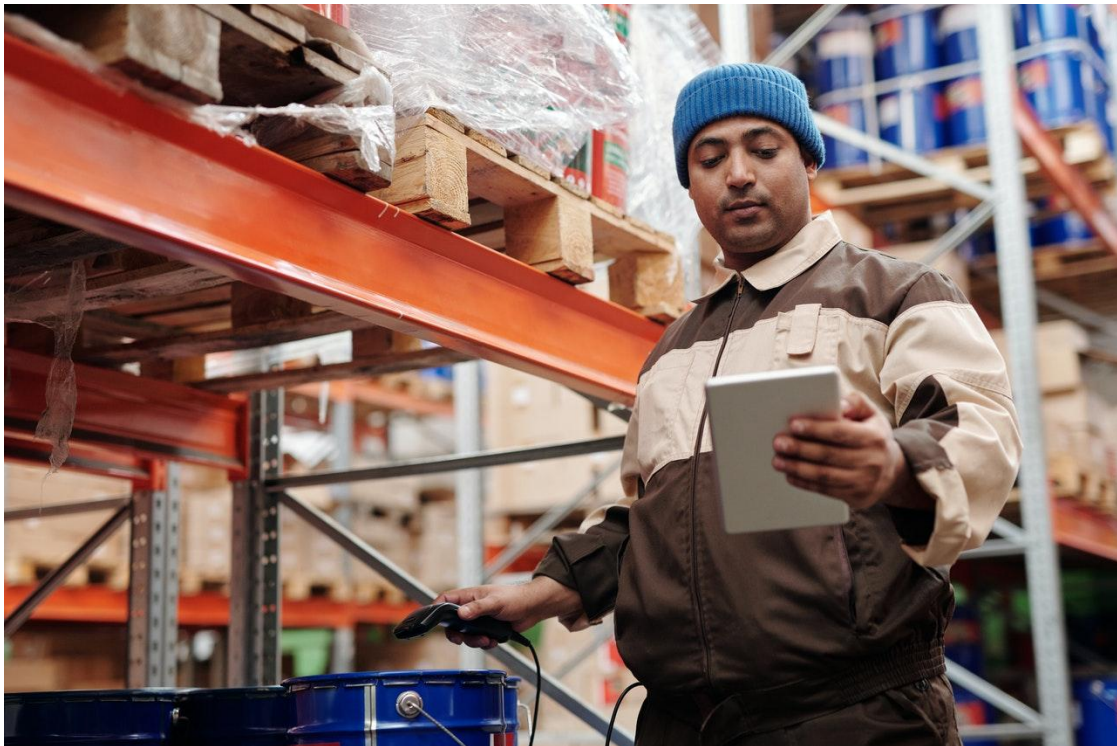
- Make the most out of natural lighting

- Integrate decent ventilation
- Subsume the three R's: Reduce, Reuse, and Recycle
- Incorporate energy-efficient lighting
- Look for renewable energy sources
- Opt for [sustainable packaging](#) options
- Choose an optimal location near to ports

4. Digital inventory management

Digital inventory is an exclusive yet simple pathway to help you keep track of the inventories online. It involves integrating software into your operations that helps you to manage and oversee real-time inventory activities. It has several benefits like:

- Reduces overselling
- Ease in product recalls
- Saves time and money
- Manage the production and operation
- Reduce paperwork and store data digitally



5. Leverage data to optimize systems & end-to-end visibility

Thanks to technological advancements, we're able to track data in real-time to make informed predictions and decisions. The same can be integrated into the trucking industry as well.

Leverage data and technique to:

- Enable a more effective and efficient supply chain management system
- Get better visibility of supply chain with easy accessibility
- Minimal paperwork with digital documents
- Distribute and streamline the tasks with different partners from time to time
- Plan routes and predict weather for lesser fuel use and faster delivery

6. Route planning with real-time tracking

Route optimization is a sure-shot way to maintain viable profit margins and a big step towards sustainable logistics. By optimizing routes,

- Use [real-time tracking](#) to suggest shorter routes with fewer stops
- Enable the engine to run with its highest efficiency with less fuel use
- Ensure faster deliveries without any constraints or delays

7. Remote monitoring solutions to track truck health

Another amazing way to switch to sustainable logistics is by integrating solutions to monitor the truck's health and state. Incorporating software enables you to track the real usage of your truck remotely at any time. It has the following benefits:

- Enhance productivity and efficiency
- Allows you to manage your business from anywhere
- Safety and security features
- Ensures good customer services
- Reduce fuel consumption

8. Utilize IoT for simple improvements

Integrating Internet of Things (IoT) and sensors to collect data about trucks like speed, fuel efficiency, braking behavior of the truck drivers is the easiest way for small positive steps.

- For instance, driving on a highway at a speed of 80 kmph saves 10% of fuel
- Leverage this data to make simple improvements into your existing systems
- Eco-driving education is also helpful to manage and decrease fuel consumption

“Without data, you’re just another person with an opinion.”
– W. Edwards Deming

The Benefits of Sustainable Logistics

- **Integrate cost-effective methods**

Sustainable logistics & supply chain management catalyzes your business revenue by reducing costs and improving operations.

- **Mitigate business risks**

Green logistics leave a positive impact in reducing risks, thus, enabling you to develop more sound and practical systems.

- **Leverage data analytics for accurate prediction**

In sustainable logistics, you leverage data and analytics to predict the routes, delays, efficiency, etc. This helps in preventing accidents and delays and promotes better decisions.

- **Major business differentiating factor**

Incorporating sustainable logistics gives you a competitive advantage and makes you stand out. It results in more customers, thus, increased revenue.

- **Reduced operational costs & boost profits**

The way you manage and optimize everything, from a sustainable warehouse to truck monitoring, results in reduced operation costs and increased profits.

Looking ahead

From a purely business perspective, considering the long-haul gains and increased revenues, sustainable logistics provides more economic opportunities to many businesses and profits to logistics in the long run. And at the same time, reduce the harmful impacts transportation leaves on the environment.

More than any other benefit, sustainable logistics is required and essential to sustain us, the earth, and everything connected to it. Need we say more?

Green Logistics in India: FAQs

1. Why is Green Logistics in India important?

Considering the significant size of the trucking industry in India and the harm it causes to the environment, integrating sustainable logistics is a pressing need of the hour.

2. What is Green Supply Chain Management (GSCM)?

Green supply chain management means integrating sustainable environmental processes into a typical supply chain management process to make the entire process more sustainable and environmentally friendly.

3. How can we achieve sustainability in logistics?

For sustainable logistics, we recommend the following: [optimizing truck loading](#), using alternative energy sources, sustainable warehouse, digital inventory management, leveraging data to optimize systems, route planning, remote truck monitoring, utilizing IoT, among others.