Info Required to Kickstart Carbon Emissions Report for Transporter (X)

3 messages

Varun Moka <varunmoka7@gmail.com>   Tue, May 6, 2025 at 4:22 PM
To: Roshan John David <roshanjohn28@gmail.com>

Hi Roshan,

Things that we have covered so far in the conversation:

Objective: Create a carbon emissions report for a logistics provider to help a client reduce emissions and define boundaries/measures.

Scope: Focus initially on one customer from the transporter's portfolio. If successful, scale to others.

Industry: Primarily **chemical** and **OBD (Whatever that is!)**

Transporter Type: A **single logistics provider**, not a fleet of subcontractors.

Scale: Operates **PAN India**.

Volume: ~3000 deliveries/month across all customers.

Data Available: Vehicle used, vehicle age, distance of trip, time taken.

Key questions pending:

1. Share a sample data sheet (Excel) or trip log that includes the relevant trip data.

2. Do you track **fuel consumption or fuel efficiency data** (km/l) per trip or vehicle? ## for fuel based emission calculation, this will give us direct Scope 1 data = fuel used X emission factor.

3. Can we get data on **trip frequency** (e.g., number of deliveries per route per month)? ## This helps to identify high-frequency routes or emission-heavy operations.

4. Do you also track the **load per trip** (in tons or kgs)? If not, should we estimate it? ## emissions per ton-km is a key KPI, it helps benchmark efficiency (e.g., a full truck emits less per unit of cargo than a half-loaded one).

5. What are the **vehicle types and models** used? ## here we can use vehicle-specific emission factors from Indian sources (e.g., ICAT, CPCB)

6. What **fuel types** are being used — diesel, petrol, CNG, if possible; give information on which vehicle type uses which fuel type that it is associated with?

7. Are the vehicles **owned** by the transporter or are any **leased or subcontracted**? ## Owned vehicles come under SCOPE 1 emissions, whereas leased are under SCOPE 3 category

8. What output format do you want? EXCEL DASHBOARD; PDF REPORT SUMMARY; ONLINE DASHBOARD?

9. How frequently should the report be generated; **monthly, weekly, or real-time**?

10. Do you want to **benchmark** against industry averages or sustainability targets?

11. Which method do you want to use; **distance-based**, **fuel-based**, or a **hybrid method**? ## Fuel-based is more accurate but needs fuel logs. Distance-based is simpler and easier to scale, using default fuel efficiency and emission factors.

12. Some vehicles emit CH4 and N2O under conditions like heavy load or incomplete combustion, do you want to include these separately or ignore them or convert them into CO2 equivalent emission data?

13. Is there any requirement to align with **ESG standards** like **CDP or any ISO type certification?**

14. What decisions or business goals will this report support to? ## for example; emission reduction, compliance, route efficiency or any other...

15. What other recommendations would you like the report to include in? ## for example high-emission routes, idle time hotspots, fuel switch ideas or any other....

Additional questions:

16. Do trips include return journey (Empty or loaded)?

17. Do you have GPS or telematics data for routes, speed, or idle time?

18. Are there any records of Vehicle maintenance or emission testing? ## i guess in India there is some kind of tag or certificate right referring to emission testing, some thing like that commercial vehicles if any?

Cool them, these are the questions, once i get answers on them, i can let you know if i need any further information.

Regards,

Varun Moka

Roshan John David <roshanjohn28@gmail.com>   Fri, May 9, 2025 at 5:33 PM
To: Varun Moka <varunmoka7@gmail.com>, roshan@roado.co.in

Looping in @roshan@roado.co.in

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Regards
Roshan John David

Roshan John david <roshan@roado.co.in>   Fri, May 9, 2025 at 5:37 PM
To: Roshan John David <roshanjohn28@gmail.com>, Sagnik Mukherjee <sagnik.mukherjee@roado.co.in>
Cc: Varun Moka <varunmoka7@gmail.com>

Sagnik Mukherjee. Need to work on this data for following customer. Premier Road Ltd. for Greenko customer.

---- On Fri, 09 May 2025 21:03:25 +0530 **Roshan John David <roshanjohn28@gmail.com>** wrote ---

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