

What is CarbonLite Metro Travel?

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About CarbonLite Metro Travel

- It is a new **initiative of the DMRC** to help **people understand their contribution to reducing CO2 emissions by opting for metro** rail services.
- With this initiative, **daily commuters will now be able to understand** and learn **about the average amount of Carbon Dioxide (CO2) emissions they are decreasing** with their simple step of selecting the metro as their means of transportation.
- The **amount of CO2 will be calculated based on a comparison to road-based motor vehicles.**
- It also **aims to persuade commuters to choose an environmentally friendly method of transportation** over motorised alternatives, thereby supporting a cleaner and more ecologically balanced environment.
- The initiative is in **line with the Government of India's Mission Lifestyle for Environment (LiFE).**
- **Who can avail of this feature?**

- **People travelling with QR code-based tickets** will be able to avail of this facility.
- **Information about the decrease in CO2 emissions** caused by **metro** travel **will be prominently displayed on both mobile QR code tickets and physical tickets.**
- **Supported by comprehensive research** conducted by **The Energy and Resources Institute (TERI)**, Delhi, the **initiative underscores that each kilometre travelled by metro train** instead of road vehicles **results in a noteworthy reduction of 32.38 gram of CO2 emissions.**
- **Leveraging this data and considering the passenger's average travel distance,** the **QR ticket will proudly announce, "Congratulations! You are saving around xxxx gm CO2," providing tangible evidence** of the passenger's contribution to a greener future.
- **The CO2 savings will be displayed and accumulated in the user's DMRC mobile app for all journeys undertaken** by the passenger, further enhancing his/her feel-good factor.

Key Facts about Mission LiFE (Lifestyle for Environment)

- It is an **India-led global mass movement to nudge individual and community action to protect and preserve the environment.**
- It was **launched by the Indian Prime Minister at the 26th UN Climate Change Conference of the Parties (COP26) in Glasgow** in November **2021.**
- The program hopes to **"mobilize one billion Indians as well as people in other countries to become individuals who practice sustainable lifestyles.**
- The global movement will **showcase sustainable goals and climate actions taken by countries and individuals** around the world. It **makes the fight against climate change democratic**, in which everyone can contribute with their respective capacities.
- It **emboldens the spirit of the P3 model, i.e., Pro Planet People.**
- It **functions on the basic principles of 'Lifestyle of the planet, for the planet and by the planet'.**
- It **aims at following a three-pronged strategy** for changing people's collective approach towards sustainability,
 - **nudging individuals to practice** simple yet effective environment-friendly actions in their daily lives (**demand**)
 - **enabling industries and markets to respond** swiftly to the changing demand (**supply**)
 - **to influence government and industrial policy** to support both sustainable consumption and production (**policy**).

Q1) What is The Energy and Resources Institute (TERI)?

The Energy and Resources Institute (TERI) is a research organization based in India that focuses on sustainable development, environmental research, and energy-related issues. Established in 1974, TERI has been a pioneer in the field of sustainable development and has contributed significantly to research, policy advocacy, and solutions related to various environmental and energy challenges.

Source: [DMRC unveils CarbonLite Metro Travel initiative, makes passengers aware about CO2 emissions reduction](https://www.vajiramandravi.com/current-affairs/what-is-carbonlite-metro-travel/)

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