

National Highways Green Cover Index

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National Highways Green Cover Index Latest News

Recently, the National Highways Authority of India (NHAI) released the first National Highways Green Cover Index (NH-GCI).

About National Highways Green Cover Index

- It is an initiative of **National Highways Authority of India**.
- It has been prepared in coordination with the **National Remote Sensing Centre (NRSC)** of the Indian Space Research Organisation (ISRO).
- The initiative aims to provide a scientific and quantitative assessment of green cover within the **Right of Way (RoW) along the National Highways network** by leveraging advanced space-based technologies.
- **Methodology Used**
 - The assessment is derived from **chlorophyll content** detected through high-resolution satellite sensors.

- It measures the **percentage of land covered with vegetation** along highway corridors, including plantations on the left and right sides of the road, as well as in the median wherever feasible.
- The analysis is conducted for every one-kilometre highway segment using the **Normalized Difference Vegetation Index** (NDVI) derived from satellite imagery.
- **Coverage:** Approximately **30,000 km of National Highways** spanning 24 States have been covered for the period July–December 2024.
- **Significance**
 - It offers a robust, reliable, cost-effective, and time-efficient mechanism for macro-level estimation of the green cover along the National Highways.
 - It will enable comparison, ranking, and targeted interventions for **improved plantation management**.

Source: PIB

Source: <https://vajiramandravi.com/current-affairs/national-highways-green-cover-index/>

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