

## Kongres Container

# Indian Green Telecommunications Base Station



## Overview

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Why is green energy important for Indian telecom industry?

One of the main priorities for the Indian telecom industry is the adoption of green energy solutions. In order to satisfy TRAI's quality requirements, telecom towers are currently implementing diesel-free sites and increasing grid power availability.

What is 'green Telecom'?

Within the concept of ESG, 'green telecom' encompasses various aspects, including the greening of telecom networks, the manufacture of environmentally friendly telecom equipment, the environmentally conscious design of telecom buildings, and the safe disposal of telecom waste.

How many telecom towers in India are green?

Over 40% of India's total telecom tower sites are now classified as Green, as their diesel consumption has been less than 100 liters per week. This achievement has led to an annual reduction of 334 million liters of diesel consumption. Some of the other achievements are:

Why is the Green telecom movement gaining traction in India?

The green telecom movement is gaining traction in India and other countries due to several factors. First, increased global awareness of climate change and its potential consequences puts pressure on businesses and industries, including the telecom sector, to adopt sustainable practices and reduce carbon emissions.

How India is promoting energy sustainability in the telecom sector?

- **Government Policies:** The Indian government is implementing policies to encourage telecom and internet service providers to utilize more green energy sources. Over the last decade, there has been significant policy evolution for energy sustainability in India's telecom sector.

How many telecom towers are there in India?

At Present India has approximately 1.2 billion telecom subscriptions , supported by over 800,000 telecom towers nationwide. These towers host around 3 million BTS and antennas for signal transmission and reception .  
Fig.1. Telecom Towers in India (Source: Department of Telecom website

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