

SolarInvert Energy Solutions

India s 5G base stations are rarely used



Overview

Why are 5G base stations reducing in India?

Recent data highlights a significant reduction in quarterly 5G base station additions by Reliance Jio and Bharti Airtel. The decreased rollout of 5G sites is leading to slower revenue growth for tower companies like Indus, as India's top telcos have nearly completed their 5G rollouts and 4G network expansions.

Which state has the most 5G base stations in India?

According to official data, Uttar Pradesh leads in 5G expansion, with 8,451 villages equipped with base stations. It is followed by Maharashtra (6,910 villages), Rajasthan (5,393 villages), Bihar (4,601 villages), and West Bengal (4,521 villages), highlighting strong regional adoption.

Does India have 5G?

The Indian government has reckons 5G coverage now extends to all states and 99.6 percent of districts nationwide. India had 469,000 5G base stations at the end of February, according to the latest available figures from the country's Ministry of Communications.

Which telecom companies have rolled out 5G in India?

Leading telecom operators Reliance Jio and Bharti Airtel completed their pan-India 5G rollouts in early 2024, while Vodafone Idea (Vi) recently launched its commercial 5G services in Mumbai.

How big is India's 5G subscriber base?

According to Finnish telecom equipment provider Nokia, India's 5G subscriber base is projected to rise from 290 million (29 crores) in 2024 to 770 million (77 crores) by 2028, driven by the growing penetration of 5G-enabled smartphones and continued expansion of high-speed broadband networks.

Which state is leading in 5G expansion?

The government noted that further network expansion will depend on the techno-commercial considerations of telecom companies. According to official data, Uttar Pradesh leads in 5G expansion, with 8,451 villages equipped with base stations.

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EXPANSION OF 5G NETWORK IN THE COUNTRY

Since its launch in October 2022, 5G services have been rolled out in all States/ UTs across the country and presently it is available in 99.6% of the districts in the country.

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The Rapid Expansion of 5G BTS Deployments in India

India has witnessed an extraordinary surge in the number of 5G Base Transceiver Stations (BTS) deployments over the past 17 months. In ...

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India's 5G Base Stations Top 4.6 Lakh, but Rollout Pace Slows

India's 5G base transceiver stations (BTS) count recently surpassed 4.6 lakh in October 2024, adding just a few thousand in the past months. Following an initial rapid ...

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What is a base station and how are 4G/5G base ...

The architecture of the 5G network must enable sophisticated applications, which means the base stations design required must also be ...

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2026 pan-India 5G coverage unlikely, has slow pace ...

In comparison, 4G usage varied from 75-100 percent across all three telcos. This is despite earlier government announcements confirming 5G ...

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India 5G market and development, 2025

Table of contents India's mobile market
Chart 1: India's mobile market overview, 3Q24 Handset Chart 2: India's 5G smartphone sales and ...

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Vietnam's 5G Base Stations are ready for India

The company has deployed this technology in several provinces across Vietnam, including Hanoi and Da Nang, and plans further expansion. Notably,

Viettel High Tech is also exporting its 5G ...

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Indian operators expand 5G to 469k base stations, ...

The Indian government has reckons 5G coverage now extends to all states and 99.6 percent of districts nationwide. India had 469,000 5G base ...



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India now has 250 million 5G subscribers, says ministry

India's 5G subscriber base has reportedly grown to around 250 million since commercial 5G services were launched almost two and a half years ago, according to the ...



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Has India surpassed 450,000 5G base stations, and is ...

The Department of Telecommunications (DoT) said that over 450,000 5G base transceiver stations (BTS) had been built nationally as of July. BTS were

introduced in October 2022 and ...

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5G base station additions plunge as Jio and Airtel slow down ...

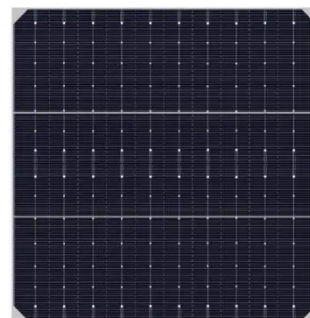
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5G base station additions plunge as Jio and Airtel ...

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Indian operators expand 5G to 469k base stations, 250m subscribers

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India Crosses 250 Million 5G Users as Network Expansion ...

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Comprehensive Plan for the Nationwide Rollout of 5G Technology

Thereafter, the 5G services were launched on 01st October 2022. As on 31st Oct 2024, 5G services have been rolled out in all States/ UTs across the country and presently 5G ...

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Indian Army Introduces First Indigenous 4G Base Station by ...

The Indian Army has inducted its first-ever indigenous chip-based 4G mobile base station, procured from Bangalore-



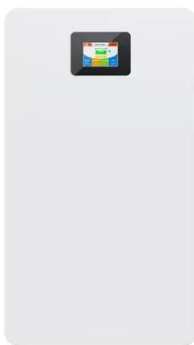
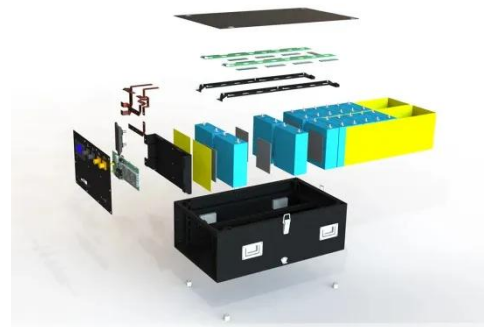
based firm Signaltron via the government e-marketplace ...

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India adds 52,776 5G BTS in 2024, slow growth for ...

As of December 31, 2024, the number of 5G BTS (Base Transceiver Stations) in India was 464,990, up from 412,214 on December 31, ...

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5g base station architecture

5G (fifth generation) base station architecture is designed to provide high-speed, low-latency, and massive connectivity to a wide range of devices. The architecture is more ...

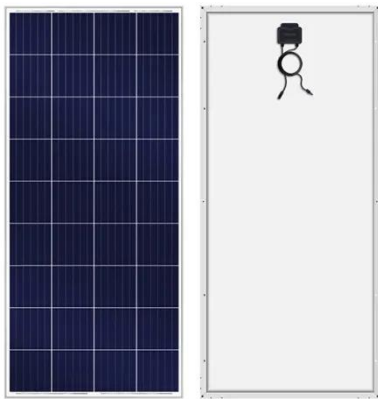
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2026 pan-India 5G coverage unlikely, has slow pace of adoption

Data from Telecom Regulatory Authority of India has shown low 5G usage in various parts of India, and according to experts the slow pace of adoption means

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Pan-India 5G coverage by 2026 is unattainable goal: says ...

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India has witnessed an extraordinary surge in the number of 5G Base Transceiver Stations (BTS) deployments over the past 17 months. In January 2023, the total number of 5G ...

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