

# **India Communications 5G Base Station**





## Overview

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How many 5G base stations are there in India?

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. The ministry said the number of active 5G subscribers in the country surpassed 250 million in the period – in less than two and a half years since 5G was commercially launched.

Why is India launching 5G Base Transceiver Stations?

India is making significant strides in its 5G rollout, positioning itself as a leading player in the global race for advanced telecommunications. The country's ambitious deployment of 5G Base Transceiver Stations (BTS) has been hailed as a massive feat, considering the challenging topography and high population density.

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.

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.

How many 5G BTS are deployed in India?

The total number of 5G BTS deployed in India surged from 435,720 to 442,416 during the month. Bihar recorded an addition of 864 BTS in April 2024. Karnataka, Uttar Pradesh, and Gujarat added 709, 699, and 611 BTS,



respectively. West Bengal, Madhya Pradesh, and Assam reported an addition of 424, 397, and 332 BTS respectively.

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.



## India Communications 5G Base Station

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### [India gains 6,696 5G base stations in April](#)

India witnessed the deployment of 6,696 5G Base Transceiver Stations (BTS) across various states and union territories (UTs) during April 2024. The latest data reported by the ...

### [State-Wise Breakdown of 5G BTS Deployments in ...](#)

India's rapid 5G BTS deployments drive the country's digital revolution, with Maharashtra, Uttar Pradesh, and Tamil Nadu leading the way. ...



### [India: number of 5G base transceiver stations 2024](#)

Number of 5G base transceiver stations in India from November 2022 till June 2024 (in 1,000s)

### [5G Observatory - Tracking 5G developments](#)

We would like to show you a description here but the site won't allow us.





### EXPANSION OF 5G NETWORK IN THE COUNTRY

As on 28.02.2025, 4.69 lakhs 5G Base Transceiver Stations (BTSs) have been installed by the Telecom Service Providers (TSPs) across the country which is one of the ...



### **India 5G base stations near 470K**

Figures from India's Ministry of Communications pegged the country's 5G base station count at 469,000 at end-February, with active subscribers reaching more than 250 ...



### **India deployed 6,696 5G Base Transceiver Stations in April 2024**

India witnessed the deployment of 6,696 5G Base Transceiver Stations (BTS) across various states and union territories (UTs) during April 2024. The total number of 5G ...





## China claims new 5G can keep 10,000 army robots, drones ...

China has unveiled what it called the "world's first" military-grade mobile 5G base station for seamless drone integration.

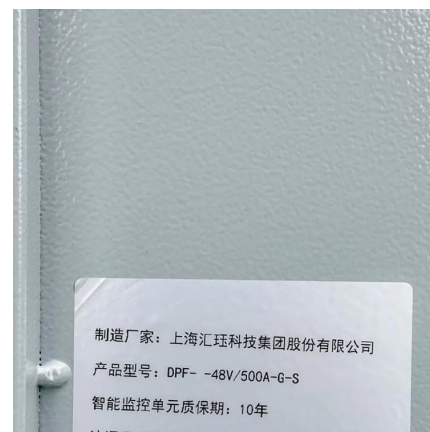


## India reaches 250 million 5G users as Vi hits the market

Those users have all signed up since the launch of 5G services in India in October 2022, less than two and a half years ago, a statement from ...

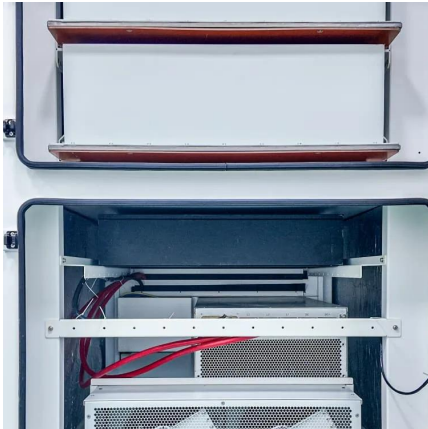
## Review on 5G small cell base station antennas: Design

Small-cell Base Station (SBS) antennas are crucial for exploring the full potential of 5G networks by expanding the network in urban areas, densely populated regions, indoor environments, ...



## [Year End Review 2022: Ministry of Communications](#)

We now live in the era of new technologies such as 4G and 5G, Internet of Things, Industry 4.0, M2M Communications, Mobile Edge Computing, etc. These technologies are ...



## India: number of 5G base transceiver stations 2024, Statista

Number of 5G base transceiver stations in India from November 2022 till June 2024 (in 1,000s)

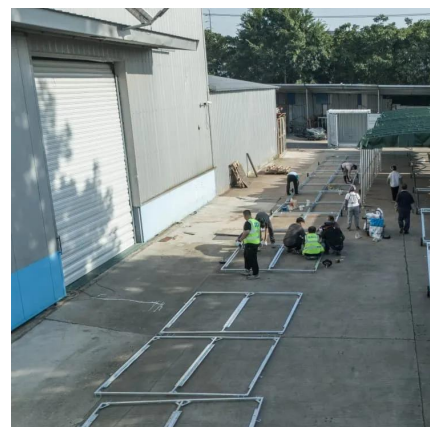


## India Crosses 250 Million 5G Users as Network Expansion ...

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 ...

## Coexistence assessment and interference mitigation for 5G and ...

Abstract In this paper, we present the findings of a study conducted to assess the coexistence of Fifth Generation (5G) wireless networks and Fixed Satellite Station (FSS) ...







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

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 ...

## 5G BTS Deployed , Department of Telecommunications , Ministry of ...

State/UT-wise 5G BTS Report - 2025 SN State/UT  
BTS as on 31.01.25 28.02.25 31.03.25 30.04.25  
31.05.25 30.06.25 31.07.25 31.08.25 30.09.25  
31.10.25 30.11.25 31.12.25 1 ...



## DESIGN AND SIMULATION OF AN ARRAY ANTENNA FOR ...

CONCLUSION ied T-shaped array antenna is presented for 5G base stations. The proposed array antenna design co sists of a modified T-shaped patch with ground and substrate. It is ...

## India deployed 6,696 5G Base Transceiver Stations in ...

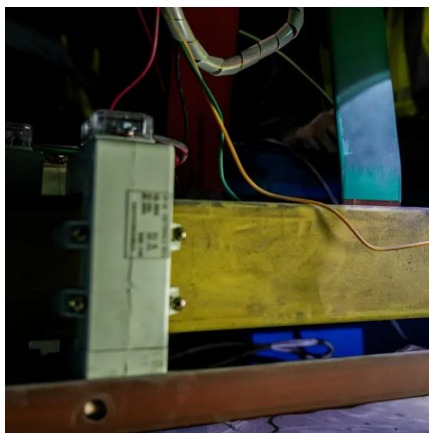
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## Indian operators expand 5G to 469k base stations, ...

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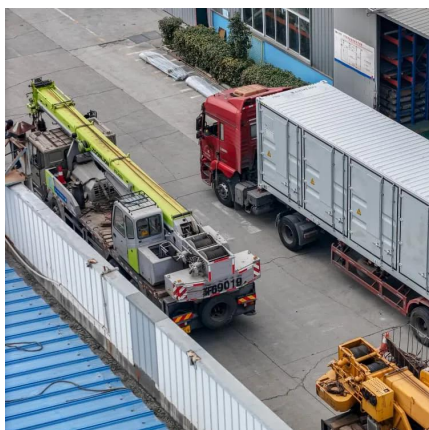
## State-Wise Breakdown of 5G BTS Deployments in India as of July

India's rapid 5G BTS deployments drive the country's digital revolution, with Maharashtra, Uttar Pradesh, and Tamil Nadu leading the way. Check out the growth, ...



## Indian telcos already deployed 102,215 5G base stations: report

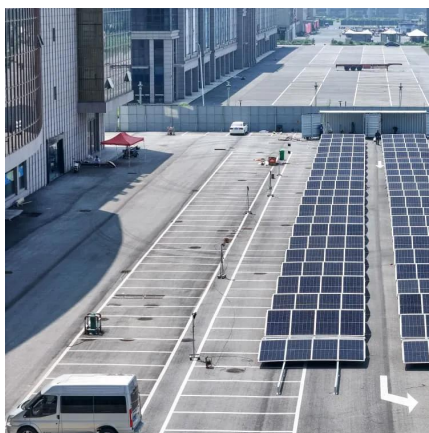
The state with the highest number of 5G base stations as of March 5 was Maharashtra, with 15,394 Indian operators Reliance Jio Infocomm and Bharti Airtel have ...





## [India gains 6,696 5G base stations in April](#)

The surge in 5G infrastructure deployment across various states and UTs in India during April 2024 reflects a significant deployment of high-speed and high-capacity networks ...



## **India Adds 5600+ New 5G Base Stations in August 2025, Total ...**

2 days ago· India deployed 5,615 new 5G base stations (BTS) in August 2025, taking a total of 498,135 sites nationwide. This is slightly less than the Rollout of 6,450 BTS in July, but ...

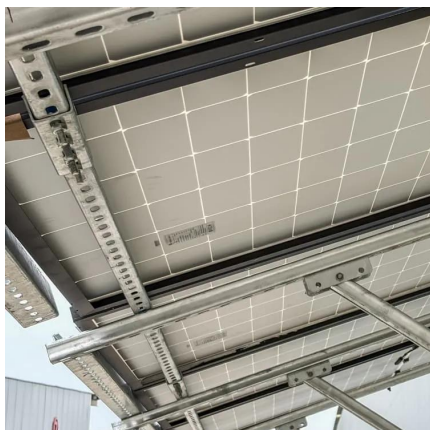
## **5G Base Station - WiSig Networks**

Our Ecosystem WiSig Networks collaborates with semiconductor and processor companies to create reference platforms for 5G gNodeB, licenses its designs ...



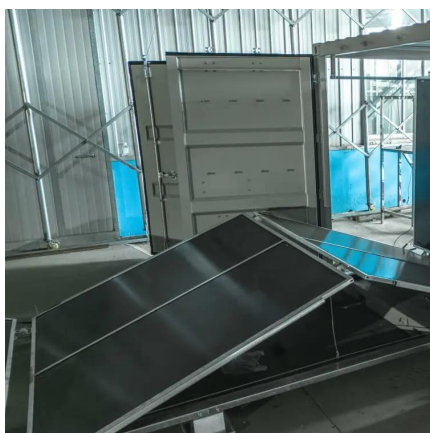
## **5G-Advanced ORAN mMIMO Base Station , IIITB COMET ...**

Integrate ORAN Compliant Sub-Systems: To develop a near-commercial-grade massive MIMO base station, ensuring high performance and reliability. Conduct R& D in 5G-Advanced ...



## TELECOMMUNICATION ENGINEERING CENTRE ...

Khurshid Lal Bhawan, Janpath, New Delhi-110001  
Written comments on the Discussion Paper on  
'Radio Frequency (RF) Electromagnetic Field  
(EMF) Compliance Assessment of 5G Base ...



## **What is a 5G base station?**

A 5G Base Station, also Known as A GNB (Next-Generation NodeB), is a fundamental component of the fifth-generation (5G) Wireless ...

## **Interference Mitigation Technology Solution for 5G Base Stations ...**

Widespread adoption of 5G systems may interfere with fixed satellite service (FSS) earth stations operating in nearby frequency bands. Some countries and regions are currently considering ...





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