

India 5G Infrastructure Market By Communication Infrastructure (Small Cell, Macro Cell, Others), By Core Network (Software-Defined Networking, Network Function Virtualization), By Network Architecture (Standalone & Non-standalone), By Operational Frequency (Sub 6GHz & Above 6GHz), By End User (Residential, Commercial, Industrial, Government), By Region, Competition Forecast & Opportunities, 2028

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Abstracts

India's 5G infrastructure market may register growth during the forecast period, 2024-2028, on the backbone of advancing telecommunication services. A surge in the demand for faster network services along with the advancement in the communication sector owing to the evolving technologies may drive the growth of the India 5G infrastructure market in the upcoming five years. Moreover, lower latency in 5G growing adoption of virtual networking architecture, and growing mobile data traffic further supports the growth of the India 5G infrastructure market in the next five years.

Growing IoT-Connected Devices Promises Market Growth

Rapidly increasing adoptions and utilizations of the internet of things in daily life along with the growing demands for artificial intelligence for the functioning of various services further drive the growth of the India 5G infrastructure market in the upcoming five years. IoT technology has vast applications, across several industries, such as manufacturing, smart city, logistics, healthcare, automotive, etc. These sectors & the devices connected with the IoT require efficient communication infrastructure that is supported by reliable connections with minimum latency. With ready adaptations of the 5G networks, the

growth of the 5G infrastructure is further expected and thus it would support the growth of the India 5G infrastructure market in the next five years.

Faster Internet Connection Demands Drive Market Growth

Increasing penetration of smartphones, and laptops and growing online-based work & entertainment services are actively driving the growth of the India 5G infrastructure market in the upcoming five years. Along with it, demands for faster internet network and growing demand for an efficiently functioning network is further supporting the growth of the India 5G infrastructure market in the next five years. During the recent pandemic situation, work-from-home culture accelerated and a large portion of the IT industries and multiple other sectors shifted their working-from-home basis. In such conditions, the demand for better internet connectivity and lower latency of data transfer further fueled the growth of the India 5G infrastructure market in the future five years.

Market Segmentation

The India 5G infrastructure market segmentation is based on communication infrastructure, core network, network architecture, operational frequency, end user, regional distribution, and competition landscape. Based on communication infrastructure, the market is differentiated into small cells, macro cells, and others. By core network, the market is divided between software-defined networking and network function virtualization. Based on network architecture, the market is fragmented between standalone and non-standalone. By operational frequency, the market is discussed among Sub 6GHz and above 6GHz. Based on the end user, the market is bifurcated into residential, commercial, industrial, and government. The India 5G infrastructure market analysis also studies the regional segmentation divided among the North India region, South India region, East India region, and West India region.

Company Profile

Huawei Technologies Co., Ltd., Juniper Networks India Pvt Ltd., LG Electronics India Pvt Ltd., Ericsson India Pvt Ltd., Nokia Solutions & Networks India Pvt Ltd., Samsung India Electronics Private Limited, ZTE Telecom India Pvt Ltd., NEC Corporation India Pvt Ltd., Cisco System India Pvt Ltd., CommScope India Private Limited, Comba Telecom India Pvt LTD, are some of the major market players in the country that lead the market growth analysis.

Report Scope:

In this report, India 5G infrastructure market is segmented into the following categories, in addition to the industry trends which have also been detailed below:

India 5G Infrastructure Market, By Communication Infrastructure:

Small Cell

Macro Cell

Others

India 5G Infrastructure Market, By Core Network:

Software-Defined Networking

Network Function Virtualization

India 5G Infrastructure Market, By Network Architecture:

Standalone

Non-standalone

India 5G Infrastructure Market, By Operational Frequency:

Sub 6GHz

Above 6GHz

India 5G Infrastructure Market, By End User:

Residential

Commercial

Industrial

Government

India 5G Infrastructure Market, By Region:

South

West

North

East

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in India 5G infrastructure market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

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Detailed analysis and profiling of additional market players (up to five).

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Note: The data given for any year represents the market during the period, i.e., 1st April of the previous year to 31st March of that year. Ex: For 2023E, the data represents the period, 1st April 2022 to 31st March 2023. Please note that all the macro-economic indicators in the economic profiles are for Calendar year.

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