

# **India Transportation Infrastructure Construction Market, By Infrastructure Type (Roadways & Highways, Bridges, Railways, Airports, Ports & Harbors), By Construction Material (Concrete, Steel, Asphalt, Wood, Composites), By Project Scale (Small-Scale, Medium-Scale, Large-Scale), By Region, Competition, Forecast & Opportunities, 2021-2031F**

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## **Abstracts**

### Market Overview

The India Transportation Infrastructure Construction Market was valued at USD 143 billion in 2025 and is projected to reach USD 206 billion by 2031, registering a CAGR of 6.18% during the forecast period. This sector encompasses the development of essential transport systems such as roads, railways, bridges, ports, airports, and transit networks that support mobility and economic growth. As urbanization intensifies and industrial activities expand, the demand for robust and efficient transport infrastructure continues to rise. The market is supported by a combination of public and private investment, with strategic initiatives focused on building resilient, sustainable, and integrated transport networks. Key factors such as modernization of logistics corridors, adoption of smart construction technologies, and government programs like Smart Cities and Gati Shakti are shaping the future of infrastructure development in India.

### Key Market Drivers

#### Urbanization and Population Growth

The rapid urban expansion and population growth in India are significantly accelerating

the demand for transportation infrastructure. With urban populations surging and more people migrating to cities, the pressure on existing transit systems has intensified. This shift is prompting large-scale investments in metro rail networks, expressways, ring roads, and elevated corridors in cities such as Delhi, Mumbai, Bengaluru, and Hyderabad. At the same time, infrastructure development is spreading to Tier-2 and Tier-3 cities to manage future urban growth and decentralize economic hubs. Government initiatives such as Smart Cities Mission and AMRUT are encouraging integrated urban mobility solutions, combining digital technologies with sustainable infrastructure. As India's population is expected to cross 1.5 billion by 2030, the focus on transport connectivity and urban infrastructure will remain a top priority for national and regional planners.

## Key Market Challenges

### Land Acquisition and Regulatory Delays

Land acquisition and regulatory delays continue to be major hurdles for transportation infrastructure projects in India. Securing land for roads, railways, and ports often involves complex legal processes, compensation disputes, and opposition from local communities. Multiple layers of central and state regulations can stall project approvals, while environmental and forest clearances further lengthen timelines. Disputes over land ownership, outdated records, and relocation concerns frequently lead to legal challenges that delay construction. Despite efforts to streamline approvals through single-window systems and legal reforms, implementation remains inconsistent. These delays not only increase project costs but also deter private sector participation, particularly under PPP models where predictable timelines are critical. Resolving these issues requires coordinated policy enforcement, stakeholder engagement, and transparent, fair compensation frameworks.

## Key Market Trends

### Rise of Multimodal Transport Infrastructure

A key trend transforming India's infrastructure sector is the shift toward multimodal transportation networks. Instead of focusing solely on individual systems like roads or railways, planners are now promoting integrated networks that combine air, road, rail, and waterway systems to streamline movement and logistics. The PM Gati Shakti National Master Plan is central to this transformation, encouraging inter-ministerial coordination and integrated infrastructure development. On the ground, this trend is

manifesting in the construction of logistics parks, intermodal terminals, and road-rail-airport linkages. Projects like freight corridors and smart cargo terminals are designed to reduce transportation time and costs. Multimodal infrastructure also supports sustainability by facilitating the shift of freight from roadways to rail and inland waterways, which are more energy-efficient. This integrated approach is expected to be pivotal for enhancing India's competitiveness in global trade and logistics.

### Key Market Players

Vinci SA

Bechtel Corporation

Skanska AB

Fluor Corporation

STRABAG SE

Jacobs Solutions Inc.

Samsung C&T Corporation

China State Construction Engrg. Corp. Ltd

### Report Scope:

In this report, the India Transportation Infrastructure Construction Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Transportation Infrastructure Construction Market, By Infrastructure Type:

Roadways & Highways

Bridges

Railways

Airports

Ports & Harbors

India Transportation Infrastructure Construction Market, By Construction Material:

Concrete

Steel

Asphalt

Wood

Composites

India Transportation Infrastructure Construction Market, By Project Scale:

Small-Scale

Medium-Scale

Large-Scale

India Transportation Infrastructure Construction Market, By Region:

South India

North India

West India

East India

Competitive Landscape

*India Transportation Infrastructure Construction Market, By Infrastructure Type (Roadways & Highways, Bridges,...*

Company Profiles: Detailed analysis of the major companies present in the India Transportation Infrastructure Construction Market.

Available Customizations:

India Transportation Infrastructure Construction Market report 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:

Company Information

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

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