

Now Available

Railways in India 2019

Research report with weekly newsletters and monthly updates

- ❖ Research Report
- ❖ Data-set (Excel)
- ❖ 52 Weekly Newsletters
- ❖ 11 Monthly Updates

Key Takeaways

- As of October 2018, IR's total route km network stood at ~68,312 km which is the fourth largest in the world after the United States, China and Russia and the second largest under a single management/entity.
- Of the total BG route km, around 49% of the length is currently electrified. 65.1% of total freight traffic and 54.3% of total passenger traffic is now hauled by electric traction.
- Currently, around 31% of the total freight is transported through railways. From 2013-14 to 2017-18, freight traffic and earnings have grown at a CAGR of 2.47% and 5.66% respectively. During the same period, passenger earnings grew at a CAGR of 7.42%. Starting off on a strong footing at 8,425.09 million in 2013-14, passenger traffic steeply dipped in 2014-15. While it continued to fall in 2015-16, there was a slight improvement in passenger traffic for 2016-17 and 2017-18.
- During the five-year period (2014-15 to 2018-19), IR's capital expenditure witnessed an upward trend. Railway capex for 2019-20 set at record level of Rs 1.6 trillion. Rolling stock has been a major thrust area for Indian Railways. New trains have been introduced. Preliminary works on India's first high-speed bullet train between Mumbai and Ahmedabad have commenced in full swing. IR is undertaking several initiatives to ensure passenger safety and security. Modernisation and mechanisation of rolling stock and station infrastructure is also being pursued more aggressively.

Key Issues and Challenges

- Inadequate capacity remains a major roadblock for Indian Railways (IR). Congestion on IR's network has also led to the inability to increase the number of trains, especially freight, to enhance revenues.
- IR faces heavily unbalanced revenue streams. With the aim to provide affordable travel for the masses, IR plies passenger trains at low and static prices. To offset the losses, freight tariffs are kept high, making the other modes of transportation such as roads, more viable.
- Lack of skilled staff and heavy dependence on public funding are other challenges affecting the railways sector.

Future Outlook

- According to India Infrastructure Research, the railways sector offers an investment opportunity of over Rs 10 trillion across various segments. Of this, 80 per cent is constituted by rail tunnels, doubling works and new line projects combined together.
- In the next four to five years, IR plans to undertake 22,825 km of new line and 12,215 km of line doubling. Besides, it plans to electrify at least 28,000 rkm of railway network. Also, 3,360 km of DFC corridor is expected to be commissioned by 2020.
- The eight proposed high speed rail (HSR) projects will entail a total investment of at least Rs 13 trillion over the next 15-20 years. In addition, nine semi HSR projects are in the planning stage.
- Further, IR plans to manufacture a total of 4,941 coaches in 2019-20 and 4,839 coaches in 2020-21. It is also setting up 17 new manufacturing units at an estimated cost of Rs 390 billion.
- About Rs 1.1 trillion worth of investment opportunities in station and commercial development around stations is anticipated under IR's station redevelopment programme.
- Given the mandate to ramp up the renewable energy share in IR's total energy mix, IR has set ambitious targets of setting up 1,000 MW and 200 MW of solar and wind power respectively by 2020.
- All-inclusive, the railways sector in India is poised to become one of the major drivers for economic growth in the country. Going forward, IR's network expansion and decongestion plans are expected to create huge opportunities for project developers, EPC contractors, technology providers, manufacturers of rolling stock, renewable energy developers, and transmission and distribution equipment providers.

SECTION I: MARKET ANALYSIS, OUTLOOK AND OPPORTUNITIES

1. **Sector Overview**
 - ❖ Network Size and Growth
 - ❖ Trends in Traffic and Earnings
 - ❖ Modal Share of Railways
 - ❖ Key Sector Trends
 - ❖ Project Award and Completion: Achievements and Targets
 - ❖ Vision 2022: Targets and Achievements
 - ❖ Budget 2019-20: Key Announcements
 - ❖ Investment Projections (till 2023-24)
 - ❖ Issues and Challenges
 - ❖ Sector Outlook
2. **Recent Developments**
 - ❖ Key Focus Areas
 - ❖ Recent Policy Developments
 - ❖ New Announcements under Make in India
 - ❖ Freight Segment Initiatives
 - ❖ Passenger Segment Initiatives
 - ❖ Digital Initiatives
 - ❖ Recent Funding Initiatives
 - ❖ Recent IPO Issuances
 - ❖ Key Collaborations and JVs
 - ❖ Key Commissioned Projects
 - ❖ Key Project Announcements
 - ❖ New Trains and Coaches
 - ❖ Others
3. **Financing Strategies and PPP Potential**
 - ❖ Funding Sources
 - Budgetary Allocations
 - Financing Model
 - LIC
 - Others
 - ❖ Recent IPOs
 - ❖ New Revenue Streams
 - ❖ Private Sector Participation
 - Experience So Far
 - PPP Formats and Models
 - Key Policies and Schemes
 - Noteworthy PPP Projects
 - Select Case Studies
 - Upcoming Opportunities
 - ❖ Issues and Challenges

SECTION II: UPCOMING PROJECTS, OPPORTUNITIES AND OUTLOOK

4. **Sector Outlook and Market Opportunities**
 - ❖ Growth Drivers
 - ❖ Investment Outlook and Projections
 - ❖ Policy Outlook
 - ❖ Market Opportunities
 - EPC Contractors
 - Project Developers
 - Consultants
 - Equipment and Material Suppliers
 - Technology Providers
 - Financiers and Long-term Investors
5. **Project Pipeline Analysis**
 - ❖ Overall Project Pipeline
 - By Stage of Development
 - By Zone
 - By Type of Project
 - By Completion Period
 - ❖ Projects Awaiting Clearances/Land Acquisition
 - ❖ Top Upcoming Projects

SECTION III: IR'S OPERATIONAL AND FINANCIAL PERFORMANCE

6. **Financial Performance**
 - ❖ Trends in Operation Ratio
 - ❖ Trends in Capital Expenditure
 - ❖ Revenue Trends
 - Earnings
 - Core Revenue
 - Non-Core Revenue
 - ❖ Revenue Surplus
 - ❖ Cost Trends
 - Trends in Total Expenditure
 - Trends in Total Working Expenditure
 - ❖ Issues and Challenges
7. **Freight Traffic and Earnings**
 - ❖ Key Trends (2013-14 to 2017-18)
 - Freight Traffic Trends
 - Freight Earnings Trends
 - ❖ Monthly Traffic and Earning Trends in 2018-19
 - ❖ Zone-wise Analysis (2013-14 to 2017-18)
 - Traffic Trends
 - Earning Trends
 - Monthly Traffic and Earning Trends in 2018-19
 - ❖ Commodity-wise Freight Trends
 - ❖ Key Efficiency Indicators
 - ❖ Segment Outlook
8. **Passenger Traffic and Earnings**
 - ❖ Key Trends (2013-14 to 2017-18)
 - Passenger Traffic Trends
 - Passenger Earning Trends
 - Monthly Traffic and Earning Trends in 2018-19
 - ❖ Suburban and Non-suburban Traffic and Earning Analysis
 - ❖ Class-wise Traffic and Earning Analysis
 - ❖ Zone-wise Analysis (2013-14 to 2017-18)
 - Traffic Trends
 - Earning Trends
 - Monthly Traffic and Earning Trends in 2018-19
 - ❖ Segment Outlook

SECTION IV: KEY FOCUS AREAS: TARGETS, ACHIEVEMENTS AND OPPORTUNITIES

9. **Dedicated Freight Corridors**
 - ❖ Corridor Routes
 - ❖ Progress So Far
 - ❖ Project Funding
 - ❖ Trends in Capital Expenditure
 - ❖ Recent Contracts
 - ❖ Targets and Timelines
 - ❖ Key Issues and Challenges
 - ❖ Investment Requirements
 - ❖ Upcoming Corridors and Opportunities
10. **High Speed Rail**
 - ❖ HSR Corridors
 - ❖ Progress So Far
 - Mumbai-Ahmedabad
 - Diamond Quadrilateral
 - Delhi-Amritsar
 - Chennai-Mysore
 - ❖ Identified Semi-HSR Corridors
 - ❖ Recent Developments
 - ❖ Key Issues and Challenges
 - ❖ Investment Requirements
 - ❖ Upcoming Opportunities
 - ❖ Expected Timelines

11. Station Infrastructure Development

- ❖ Current Infrastructure
- ❖ New Models of Station Redevelopment
- ❖ Recent Developments
- ❖ Progress under Key Schemes/Programmes
 - Station Redevelopment Scheme
 - Adarsh Station Scheme
 - Others
- ❖ Key Issues and Challenges
- ❖ Investment Requirements
- ❖ Upcoming Opportunities
- ❖ Expected Timelines

12. Energy Needs and Future Strategies

- ❖ Consumption and Expenditure Trends
 - Electricity
 - Diesel
- ❖ Mission 41K
- ❖ Mission Electrification
- ❖ Initiatives to Reduce Energy Bills
- ❖ Expansion of Transmission Network
- ❖ New Captive Power Plants
- ❖ Renewable Energy
 - Operational Capacity (Solar and Wind)
 - UNDP-IR Initiative - 5 GW Solar Power
 - Key Ongoing Projects
 - Key Upcoming Projects
 - Other Initiatives and Developments
- ❖ Issues and Challenges
- ❖ Upcoming Opportunities and Outlook

SECTION V: KEY SEGMENTS: ROLLING STOCK**13. IR's Fleet Status**

- ❖ Size and Growth (Coaches, Locomotives and Wagons)
- ❖ Production Targets and Achievements
- ❖ New Additions (High-speed and Semi-high Speed Trains)
- ❖ Technology Advancements
- ❖ Production Plans
- ❖ Zone-wise Planned Expenditure on Rolling Stock

14. Existing and Upcoming Production Capacity

- ❖ Existing Capacity
- ❖ Production Targets versus Achievements
- ❖ Capacity Utilisation Trends
- ❖ Recent Developments
- ❖ Upcoming Production Units

SECTION VI: KEY SEGMENTS: CONSTRUCTION**15. Tracks**

- ❖ Size and Growth
- ❖ Network Expansion Targets versus Achievements
- ❖ Track Electrification
- ❖ Track Renewal and Repair
- ❖ Recently Completed Projects
- ❖ Recently Awarded Contracts
- ❖ Key Ongoing Projects
- ❖ Segment Outlook

16. Bridges

- ❖ Growth in Number of Rail Bridges
- ❖ ROBs/RUBs Sanctioned
- ❖ ROBs/RUBs under Setu Bharatam
- ❖ Technology and Design Trends
- ❖ Key Completed Projects
- ❖ Key Ongoing Projects
- ❖ Recent Contracts
- ❖ Segment Outlook

17. Railway Tunnels

- ❖ Size and Growth
 - Overall Size
 - Analysis by State
 - Analysis by Technique/Method
- ❖ Analysis of Completed Projects
- ❖ Key Completed Projects
- ❖ Analysis of Ongoing Projects
- ❖ Key Ongoing Projects
- ❖ Analysis of Upcoming Projects
- ❖ Key Upcoming Projects
- ❖ Issues and Challenges
- ❖ Segment Outlook and Projections

SECTION VII: PROFILE OF RAILWAY PSUs**18. Key Railway PSUs**

- ❖ Braithwaite & Company Limited
- ❖ Container Corporation of India Limited
- ❖ Dedicated Freight Corridor Corporation of India
- ❖ High Speed Rail Corporation of India Limited
- ❖ Indian Port Rail Corporation Limited
- ❖ Indian Railway Finance Corporation Limited
- ❖ Indian Railway Catering and Tourism Corporation Limited
- ❖ Ircon International Limited
- ❖ Konkan Railway Corporation Limited
- ❖ Mumbai Railway Vikas Corporation Limited
- ❖ Pipavav Railway Corporation Limited
- ❖ Rail India Technical and Economic Services Limited
- ❖ Rail Land Development Authority
- ❖ RailTel Corporation of India Limited
- ❖ Rail Vikas Nigam Limited

Monthly Updates

The 11 monthly updates will comprise 16-24 pages on:

- Analysis of Traffic and Earnings
- Performance of Production Units
- Key Efficiency Indicators
- Project Update
- Upcoming Tenders
- New Project Announcements (New Lines, High-Speed Rail, RRTS, Station Redevelopment, Port-rail Connectivity, etc.)
- Key Data and Statistics

Weekly Newsletters

The 52 weekly newsletters will comprise 4-6 pages. It will cover news developments in the railways sector relating to:

- Policy Announcements
- Government Initiatives
- Project Completions/Awards/Announcements
- Update on Key Programmes
- Key Financings
- Etc.

I would like to purchase the "Railways in India 2019" report:

Format (PDF)	Price
Report	Rs 110,000
GST @ 18%	Rs 19,800
Total	<input type="checkbox"/> Rs 129,800

I am enclosing a cheque/demand draft for Rs _____, vide cheque/demand draft no. _____ drawn on _____ dated _____ in favour of "India Infrastructure Publishing Pvt. Ltd."

Signature

.....

Name (Block Letters) _____

Designation _____

Company _____

Company GST No. _____

Mailing Address _____

Telephone _____ Mobile _____

E-mail _____

Wire transfer details:

Beneficiary : India Infrastructure Publishing Pvt. Ltd.
Bank Name : The Hongkong and Shanghai Banking Corporation Ltd
Bank Address : R-47, Greater Kailash-1, New Delhi - 110048
Account No. : 094179587002
Swift Code : HSBCINBB
IFSC Code : HSBC0110006
GSTIN : 07AAACI5880R1ZV

Contact details:

Sumita Kanjilal
Information Products
India Infrastructure Publishing Pvt. Ltd.
B-17, Qutab Institutional Area, New Delhi 110016, India
Tel: +91-11-46560421, 41034600, 41034601 Fax: +91-11-26531196
Mobile: +91-9958299609
Email: sumita.kanjilal@indiainfrastructure.com