

URBAN RAIL IN INDIA 2018

Segment Trends, Outlook and Opportunities

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SECTION I: MARKET TRENDS AND OUTLOOK

1. **Executive Summary**
2. **Sector Overview**
 - ❖ Network Size and Growth
 - ❖ Trends in Ridership
 - ❖ Key Sector Trends
 - ❖ Impact of “Make in India” and Focus on Indigenisation
 - ❖ Budgetary Outlay for 2018-19
 - ❖ Recent Developments
 - Key Government Initiatives
 - Project Completions
 - Recent Contract Awards
 - Projects Approved/Launched/Proposed
 - New Concepts and Technologies (MaaS, IoT, big data, use of renewable energy, etc.)
 - ❖ Investment Requirements (till 2023-24)
 - ❖ Issues and Challenges
 - ❖ Future Outlook
3. **Focus on Metro Rail Policy 2017**
 - ❖ Key Features
 - ❖ Potential Benefits
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 - ❖ Scope for Private Participation in Operations and Maintenance
 - ❖ Industry Expectations and Recommendations
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 - ❖ Funding Sources and Financing Models
 - ❖ Recent Financing Trends
 - ❖ Project Economics
 - ❖ Key Sources of Revenue
 - ❖ New Revenue Streams
 - ❖ Cost Components
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 - ❖ Risks and Challenges
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 - ❖ Case Studies of PPP Projects
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 - ❖ Risks and Challenges
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 - Ongoing
 - Awarded
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 - ❖ By Mode of Implementation
 - EPC
 - PPP
 - ❖ By Type of System
 - At Grade
 - Elevated
 - Underground

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 - ❖ Growth Drivers
 - ❖ Expected Network Expansion by 2020
 - ❖ Expected Network Expansion Beyond 2020
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 - ❖ Upcoming Opportunities
 - Contractors/developers
 - Tunnel Construction
 - Traction and E&M
 - Rolling Stock
 - Signalling, Train Control and Telecommunication
 - Fare Collection
 - ❖ Market Opportunities
 - Developers
 - Contractors
 - Consultants
 - Financiers
 - Material Suppliers
 - Others
 - ❖ Issues and Challenges
 - ❖ Sector Outlook

SECTION II: SEGMENT ANALYSIS, OUTLOOK AND OPPORTUNITIES

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 - Others
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- ❖ Delhi Metro Rail Project Phase I, II and III
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- ❖ Hyderabad Metro Rail Project Phase I
- ❖ Jaipur Metro Rail Project Phase I
- ❖ Kochi Metro Rail Project Phase I
- ❖ Kolkata Metro Rail Project (East-West and Expansion projects)
- ❖ Kolkata Monorail Project
- ❖ Lucknow Metro Rail Project
- ❖ Mumbai Metro Rail Project Phase I (Line 1, 2A, 3 and 7)
- ❖ Mumbai Metro Rail Project Phase III Line 7
- ❖ Mumbai Monorail Project Line 1

- ❖ Nagpur Metro Rail Project
- ❖ Navi Mumbai Metro Rail Project Phase I
- ❖ Noida-Greater Noida Metro Rail Project
- ❖ Pune Metro Rail Project Phase I

16. Announced, Planned, Approved and Under Bidding Projects

- ❖ Metro Rail Projects
 - Agra Metro Rail Project
 - Bengaluru Metro Rail Project Phase 2A
 - Bengaluru Airport Metro Line
 - Bhubaneswar-Cuttack Metro Rail Project
 - Chennai Metro Rail Project Phase II
 - Dehradun-Haridwar-Rishikesh Metro Rail Project
 - Delhi Metro Rail Project Phase IV
 - Greater Noida-IGI Airport Metro Rail Project
 - Greater Noida-Yamuna Expressway Metro Rail Project
 - Gurgaon-Manesar-Bawal Metro Rail Project
 - Guwahati Metro Rail Project Phase I
 - Iffco Chowk-Dwarka Metro Rail Project
 - Jaipur Metro Rail Project Phase II
 - Kanpur Metro Rail Project Phase I
 - Kochi Metro Rail Project Phase II
 - Meerut Metro Rail Project
 - Mumbai Metro Line 2B Project
 - Mumbai Metro Line 4 Project
 - Mumbai Metro Line 6 Project
 - Mumbai Metro Phase II Line 5
 - Mumbai Metro Phase III (Lines 6 and 9)
 - Noida Sector 142-Kalindi Kunj Metro Rail Project
 - Noida Sector 71-Knowledge Park V Metro Rail Project
 - Patna Metro Rail Project Phase I
 - Srinagar Metro Rail Project
 - Surat Metro Rail Project
 - Varanasi Metro Rail Project
 - Vijayawada Metro Rail Project Phase I
 - Visakhapatnam Metro Rail Project Phase I
- ❖ Light Rail Transit Projects
 - Bengaluru LRT Project
 - Bhopal LRT Project
 - Indore LRT Project
 - Kozhikode LRT Project
 - Ranchi LRT Project
 - Thiruvananthapuram LRT Project
- ❖ Monorail Projects
 - Chennai Monorail Project (First Corridor)
 - Delhi Monorail Project

[Each profile will cover the project background and scope (network length, number of stations, rolling stock, fare system, signalling and telecommunication, traction, etc.), implementing agency, project cost, time and cost overruns, key consultants, key contractors, key milestones, sources of fund, recent contracts, upcoming tenders, current status, etc.]

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