

# “Road Development in India” Report

## Table of Contents

<p><b>1. Executive Summary</b> .....</p> <ul style="list-style-type: none"> <li>● Summary of All the Chapters</li> <li>● Highlights of Major Issues</li> <li>● Concerns and Recommendations</li> <li>● Conclusion</li> </ul> <p><b>2. Overview of the Indian Roads Sector</b> .....</p> <ul style="list-style-type: none"> <li>● Introduction</li> <li>● Importance of Good Road Connectivity</li> <li>● Impact on Economy                     <ul style="list-style-type: none"> <li>- Direct and Indirect Impact on GDP</li> <li>- Manufacturing and Services</li> </ul> </li> <li>● Scope and Limitations of the Report</li> </ul> <p><b>3. Policy</b> .....</p> <ul style="list-style-type: none"> <li>● Overview</li> <li>● Key Existing Policies/Acts/Rules                     <ul style="list-style-type: none"> <li>- NHAI Act, 1956</li> <li>- National Highways Authority of India Act, 1988</li> <li>- National Highway Rules, 1957</li> <li>- CRF Act, 2000</li> <li>- Indian Toll Act, 1851</li> <li>- FDI Norms</li> <li>- Land Acquisition Act, 1894</li> </ul> </li> <li>● Model Concession Agreement for PPP Projects</li> <li>● Model Concession Agreement for O&amp;M Projects</li> <li>● Other Policy Developments</li> </ul> <p><b>4. Institutional Framework</b> .....</p> <ul style="list-style-type: none"> <li>● Introduction</li> <li>● At the Central Level                     <ul style="list-style-type: none"> <li>- Ministry of Shipping, Road Transport and Highways</li> <li>- National Highways Authority of India</li> <li>- Border Roads Organisation</li> <li>- Central Road Research Institute</li> <li>- Ministry of Rural Development</li> <li>- Indian Road Congress</li> </ul> </li> <li>● At the State Level                     <ul style="list-style-type: none"> <li>- State Public Works Department</li> <li>- Road Development Corporations</li> <li>- Infrastructure Boards</li> <li>- Rural Development Authorities</li> </ul> </li> </ul> <p><b>5. Road Financing</b> .....</p> <ul style="list-style-type: none"> <li>● Introduction</li> <li>● Sources of Finance                     <ul style="list-style-type: none"> <li>- Budgetary Support</li> <li>- Market Borrowings</li> <li>- Multilateral Aid</li> <li>- Central Road Fund</li> <li>- PPP</li> </ul> </li> <li>● Key Financiers</li> <li>● Key Project Financings: Delhi-Noida Toll Bridge, Vadodara-Halol Toll Bridge, Durg Bypass, Mumbai-Pune Expressway, North-Karnataka Expressway Project</li> <li>● Key Challenges and Lessons Learnt</li> </ul> <p><b>6. Privatisation</b> .....</p> <ul style="list-style-type: none"> <li>● Background</li> <li>● Legal, Policy and Regulatory Framework                     <ul style="list-style-type: none"> <li>- At the Centre</li> <li>- At the State</li> </ul> </li> <li>● Privatisation Models                     <ul style="list-style-type: none"> <li>- BOT Toll</li> <li>- BOT Annuity</li> <li>- SPV</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● Privatisation Experience in India                     <ul style="list-style-type: none"> <li>- At the Central Level</li> <li>- At the State Level</li> </ul> </li> <li>● Key Issues and Concerns</li> </ul> <p><b>7. Market Structure and Profile of Key Players (Examples Below)</b> .....</p> <ul style="list-style-type: none"> <li>● Larsen &amp; Toubro</li> <li>● GMR</li> <li>● Hindustan Construction Company</li> <li>● Nagarjuna Construction Company</li> <li>● Soma Enterprises</li> <li>● DS Constructions</li> <li>● Gammon India</li> <li>● ITNL</li> <li>● Ircon International</li> <li>● NHAI</li> <li>● Ideal Road Builders</li> <li>● Foreign Companies</li> <li>● Etc.</li> </ul> <p><b>8. Tolling</b> .....</p> <ul style="list-style-type: none"> <li>● Introduction</li> <li>● Types of Tolling</li> <li>● Tolling Mechanisms</li> <li>● Tolling Experience in India                     <ul style="list-style-type: none"> <li>- At the Central Level</li> <li>- At the State Level</li> </ul> </li> <li>● International Tolling Experience</li> <li>● Key Issues and Concerns</li> <li>● Lessons Learnt</li> </ul> <p><b>9. Major Central Sector Projects</b> .....</p> <ul style="list-style-type: none"> <li>● National Highways Development Programme                     <ul style="list-style-type: none"> <li>- Project Background</li> <li>- Project Scope</li> <li>- Funding of NHDP</li> <li>- Phase-wise Progress</li> <li>- Key Constraints</li> <li>- Key Initiatives to Address the Constraints</li> </ul> </li> <li>● Pradhan Mantri Gram Sadak Yojana                     <ul style="list-style-type: none"> <li>- Project Background</li> <li>- Project Scope</li> <li>- Implementing Agencies</li> <li>- Funding of PMGSY</li> <li>- Phase-wise Progress</li> <li>- Challenges Faced and Steps Taken</li> </ul> </li> <li>● Special Accelerated Road Development Programme - North East</li> </ul> <p><b>10. State Initiatives</b> .....</p> <ul style="list-style-type: none"> <li>● Overview                     <ul style="list-style-type: none"> <li>- Inter-state Comparison</li> </ul> </li> <li>● Profiles of Major States: Rajasthan, Maharashtra, Madhya Pradesh, Tamil Nadu, Andhra Pradesh, Gujarat, Punjab, Karnataka, Haryana, Kerala, UP, Brief Profiles of Other Key States</li> <li>● Each State Profile Includes                     <ul style="list-style-type: none"> <li>- Road Network</li> <li>- Institutional Setup</li> <li>- Policy Framework</li> <li>- Update on Major Road Projects</li> </ul> </li> </ul> <p><b>11. Annexure</b> .....</p>
---	---