



PM,
GatiShakti
National Master Plan for
Multi-Modal Connectivity

PMGATISHAKTI
TRANSFORMING
INDIA'S INFRASTRUCTURE

“People of India, Indian industry, Indian business, Indian manufacturers, Indian farmers are at the centre of this great campaign of GatiShakti”

Shri Narendra Modi
Hon'ble Prime Minister of India



Launch of
PM GatiShakti by Honourable Prime Minister
on 13th of October 2021 at
Pragati Maidan, New Delhi

TABLE OF CONTENTS

Introduction to PM GatiShakti	1
PM GatiShakti Institutional Framework	2
Targeted approach: Targets for 2025	3
Promoting Cooperative Federalism	4
PM GatiShakti National Master Plan (NMP)	5
Illustrative Examples of PM GatiShakti NMP Adoption	6
Project Monitoring Group	7
Capacity Building Initiatives	7
PM GatiShakti in Media	8

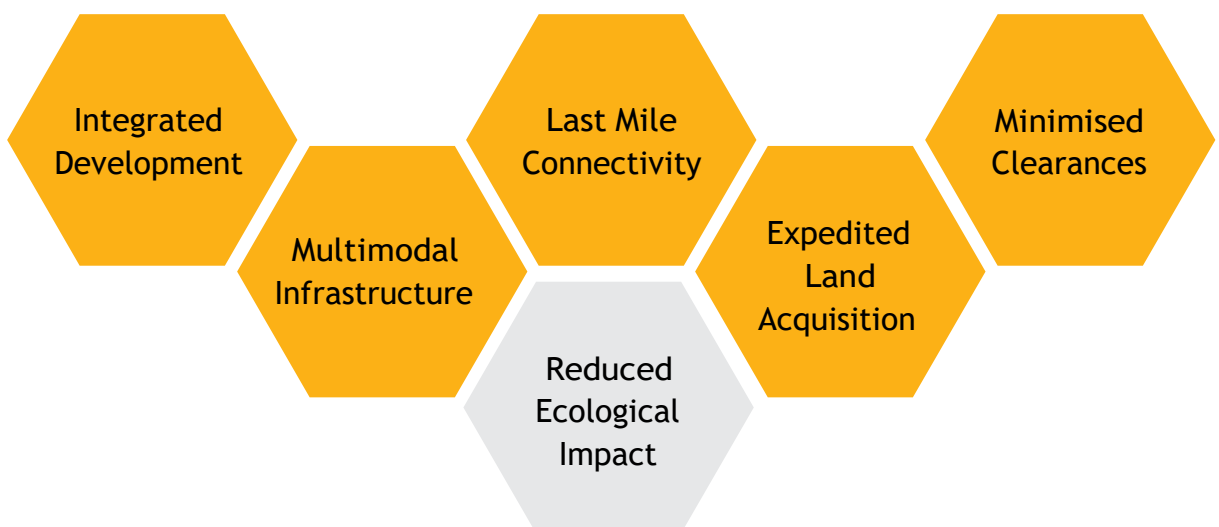
Vision

To achieve **Aatmanirbharta** and a US \$ 5 trillion economy by 2025, there was a need to create multimodal and last mile connectivity infrastructure across the country. This would ensure a modal mix of transportation, reduced logistics cost, increased export competitiveness and a virtuous cycle of higher investments, growth and employment generation in the economy. However, achieving an efficient and seamless multimodal transportation network is no easy task. It requires independent government departments to work in close coordination and across all layers of project planning and implementation. The lack of such coordination can duplicate efforts made, isolate any progress achieved and create wasteful expenditures which greatly affect the pace of development. Therefore, a need was felt to institutionalise holistic planning, integration of existing progress by different ministries, and synchronised project implementation for achieving this vision. Launched by the Hon'ble Prime Minister on October 13, 2021, PM GatiShakti adopts a 'whole of the government approach' and 'cooperative federalism' to transform India's infrastructural landscape.

Aim

Through integrated planning and synchronised project implementation across all concerned Ministries and State Governments, PM GatiShakti's objective is to improve multimodal connectivity, logistics efficiency and address critical infrastructure gaps for seamless movement of people, goods and services in the country.

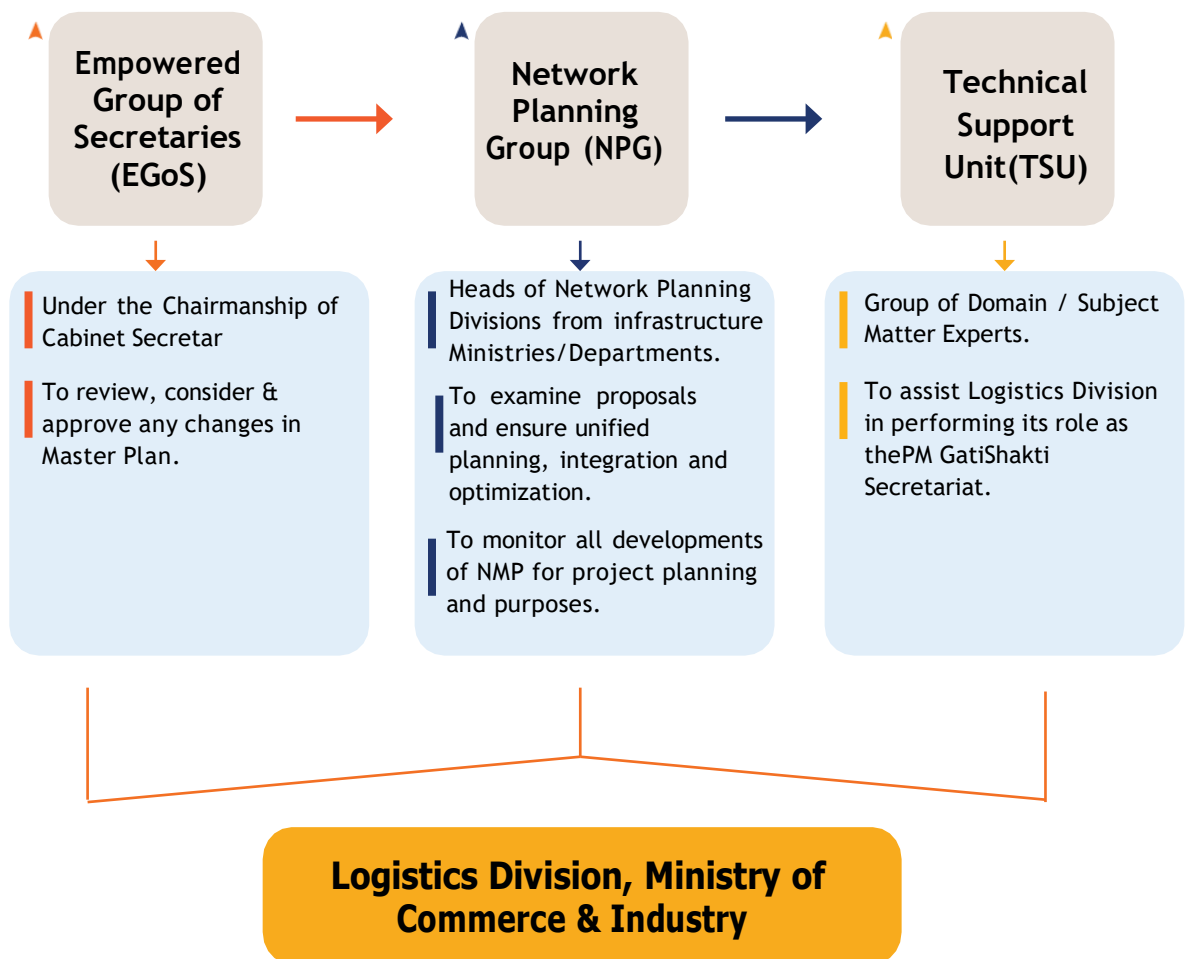
SIX PRINCIPLES OF PM GATISHAKTI



A Whole of the Government Approach

PM GatiShakti fosters a whole of the government approach by bringing together 36 Ministries/Departments under a single institutional framework. An Empowered Group of Secretaries (EGoS) under the Chairmanship of Cabinet Secretary has been constituted to oversee the implementation of PM GatiShakti. It is the apex body with 23 infrastructure and user ministries of the Government of India. An integrated multimodal Network Planning Group (NPG) has been operationalised with representation from 8 various infrastructure Ministries involving heads of their Network Planning Division. NPG examines projects and puts them up to EGoS for approval. Logistics Division, DPIIT is the Secretariat of the NPG and Technical Support Unit with a group of domain/subject matter experts which support the evaluation process.

Involving every concerned Central Ministries/Departments within a single institutional structure, 81 High Impact Projects, 76 NPG Projects, and 197 Critical Infrastructure Gaps have been identified and evaluated by the institutional mechanism under PM GatiShakti. Furthermore, last mile infrastructure connectivity projects for sectors such as agriculture, food, steel and coal have also been examined in the last one year.



TARGETED APPROACH: TARGETS FOR 2025

Ministry of Roads, Transport and Highways

Total Length of NH in the country (in kms) to be built - **2,00,000**



Ministry of Railways

Total cargo capacity to be achieved in the country (in million tonnes) - **1,600**



Ministry of Civil Aviation

Total no. of Airports/ Heliports/Water/ Aerodromes to be built in the country - **220**



Ministry of Ports, Shipping and Waterways

Total cargo capacity to be achieved in ports (in MMTPA) - **1,759**



Ministry of Petroleum and Natural Gas

Total length of pipelines to be built (in kms) - **34,500**



Ministry of Power

Total transmission networks to be built (in circuit kms) - **4,54,200**



Ministry of Renewable Energy

total Capacity to be achieved (in GW) - **225**



Department of Telecommunications

Total no. of Gram Panchayats to be connected - **2,600,00**



Promoting Cooperative Federalism in Infrastructure Development

Under PM GatiShakti, integrated development of infrastructure in the country by the Government with all the State Governments is in consonance with the federal spirit. States and UTs have also replicated a similar institutional structure for integrated planning and synchronised project implementation through the PM GatiShakti mechanism. 36 States and UTs have been using their EGoS, NPG and TSU for project examination, planning, and synchronised implementation.

Special Assistance to States for Capital Expenditure

The Government of India has also issued the “**Scheme for Special Assistance to States for Capital Expenditure**” on 6th April, 2022. The scheme provides guidelines for financial assistance to the State Governments of 1 lakh crores in the form of 50-year interest free loan for capital investments including Rs 5000 crores earmarked for PM GatiShakti projects.

Implementation of the “Scheme for Special Assistance to States for Capital Expenditure” (Part - II), Rs. 5,000 crores were earmarked for PM GatiShakti-related expenditure in the States. 200 projects, amounting to Rs. 5496 Cr have been recommended to DoE. 172 projects of 27 States, amounting to Rs. 4605 Crores have been approved by DoE.

Promoting Ease of Logistics Across States

Logistics Ease Across Different States (LEADS) is an indigenous data driven index which focuses on providing a common platform for a consultative and collaborative framework for Central and State Governments to work in a coordinated manner in the logistic sector for achieving ease of logistics. LEADS is an annual study that has a three-fold objective-

1. Categorise States and Union Territories in the logistics ecosystem,
2. Facilitate feedback from stakeholders involved in the logistics value chain; and
3. Recommend action points based on the issues and challenges faced by the logistics players

LEADS has brought in an increased awareness amongst States and UTs for holistic development of logistics ecosystems. It has facilitated continuous communication between State and Central Governments for improvement of the Logistics ecosystem. The LEADS survey report assists PM GatiShakti to perform a network mapping of logistics infrastructure, services and regulatory environment. This enables State Governments to identify and fill the gaps and achieve data driven multimodal connectivity.

Zonal Conferences and Training Workshops

To sensitise States and UTs over the principles and approach of PM GatiShakti, 6 zonal conferences were organised across the country.

Regional workshops are being organized with all States/UTs to bring more vigor and build synergy with all the stakeholders of the PM GatiShakti NMP, as envisaged by Hon'ble PM during Chief Secretaries Conference in January 2023. To promote wider adoption of PM GatiShakti for holistic planning, Four **Regional Workshops** were organized with 30 States/UTs till 31st March 2023.

1st Regional Workshop - 20th February 2023, Goa

2nd Regional Workshop - 10th-11th March 2023, Kochi

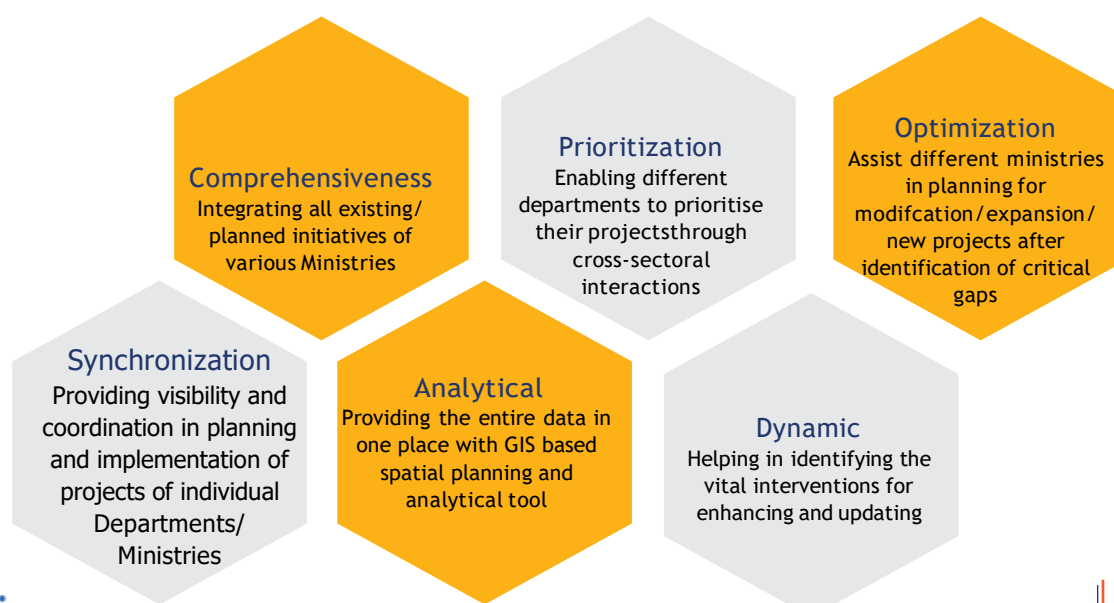
3rd Regional Workshop - 17th-18th March 2023, Srinagar

4th Regional Workshop - 24th-25th March 2023, Guwahati

Catalysing Infrastructure Planning With Technology

The PM GatiShakti NMP is a technology backed infrastructure development platform with GIS based data layers of infrastructure, geographic features and demography, and various decision support systems. Developed by BISAG-N, the platform enables integrated planning, synchronised implementation, and project monitoring. The platform aims at enhancing industrial productivity and helping the country achieve its green logistics and clean energy goals by enormously boosting the multi-modal connectivity across highways, railways, ports, airports, logistics infrastructure, mass urban transportation and inland waterways. The NMP also has customised decision making and planning tools for functionalities of adding project/data; measure proximity; identification of Go/No Go Area; obtaining NOC from different departments, etc.

Six Pillars of PM GatiShakti NMP



Using National Master Plan for Integrated Development

The integrated data by various Ministries and State Governments such as pharmaceutical clusters, defence corridors, electronic parks, industrial corridors, fishing clusters, and agricultural zones help plan various multimodal and last mile connectivity projects that will make Indian business more competitive and thus boost Indian economic growth, attract foreign investments and enhance the country's global competitiveness. 36 States/UTs and 27 Central Government Ministries/Departments are using the NMP platform and the insitutional mechanisms of PM GatiShakti for transforming their economic and social infrastructure.

Improved Planning of Greenfield Projects

Using the PM GatiShakti NMP, the Ministry of Railways, Transport and Highway (MoRTH) has been able to bring significant impact on National Highway Project planning in the country. The availability of various data layers including economic nodes and ecologically sensitive zones have helped optimise key infrastructure projects such as 20% Forest Area Interference optimization in the Pune - Bengaluru EXP and improved connectivity of the Indo Nepal - Border - Haldia with 30 Economic nodes.

Data-driven and Prioritised Capacity Augmentation of Infrastructure

Using the PM GatiShakti NMP, the Ministry of Railways has been able to plan a total approximately 400+ railway projects in a year. The decision-making tools available on the PM GatiShakti NMP have expedited many projects which had previously stalled. For instance, the Taranga hill -Ambaji - Abu Road Broad Gauge New Railway line had stalled due to lack of khasra wise data and need for field survey to assess intersections. The availability of layers upto khasra level and functions for clearance and cost estimation on NMP Platform had expedited the project planning to just 7 days. The Ministry is also developing a dynamic dashboard that will monitor the progress of Railway projects undertaken in the NMP Platform to achieve timely completion.

Analysis and Bridging of Critical Infrastructure Gaps

Through the extensive usage of the NMP Platform the Ministry of Ports, Shipping and Waterways was able to plan key port connectivity projects that would provide modal mix and reduce cost of transportation to the hinterlands of the country. For instance, the International & Domestic Cruise Terminal, RoPax, Ferry and other allied facilities at the Mormugao Port made it very important to ease hinterland connectivity. Similarly, Visakhapatnam Port Authority used NMP portal for planning the flyover from seahorse junction to Visakhapatnam port dock for ease of entry and egress.

Onboarding of Social sector ministries

For enhancing the adoption of PM GatiShakti National Master Plan (NMP), 14 social sector Ministries/ Departments have been onboarded so far. This will further contribute to the objective of holistic and integrated planning of infrastructure on the NMP platform.

Through the usage of NMP platform, the State of Gujarat was able to identify land for the construction of new anganwadis in the district of Surendranagar. Through the usage of gap identification tools on the NMP for the purposes of the state, district boundaries, road networks, river and water bodies in the region can be identified. The tools helped in identification of suitable land for the construction of the Anganwadi in the Khelri village.

Ensuring Timely Completion of Projects

To resolve bottlenecks and ensure timely completion of projects, the PM GatiShakti NMP has been integrated with the Project Monitoring Group (PMG) that has expedited any arising resolution of issues and regulatory bottlenecks in projects in the country.

In the last one year, more than 1500 resolved related 300+ infrastructure projects under the PM GatiShakti in Central or State Level.

Expedite Issue Resolutions

Facilitate Regulatory Compliance

Facilitate Faster Implementation of Projects

Sensitising Various Decision Makers

To maximise the ongoing efforts in integrated and synchronised infrastructure development, PM GatiShakti focuses on the capacity building of many policy and decision makers across all layers of the governance.



PM GatiShakti onIGoT

To sensitise various civil servants on the uses of PM GatiShakti NMP, a course on PM GatiShakti has been launched on the IGoT Platform of Department of Personnel Training. The course has 4 modules of which the first has been uploaded on the IGoT Portal while the rest are in advanced stages of development.



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