



Department of Industrial Policy and Promotion  
Ministry of Commerce and Industry  
Government of India



PM  
**GatiShakti**  
National Master Plan for  
Multi-Modal Connectivity

# PM GATISHAKTI TRANSFORMING INDIA'S INFRASTRUCTURE



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

**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

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## 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.

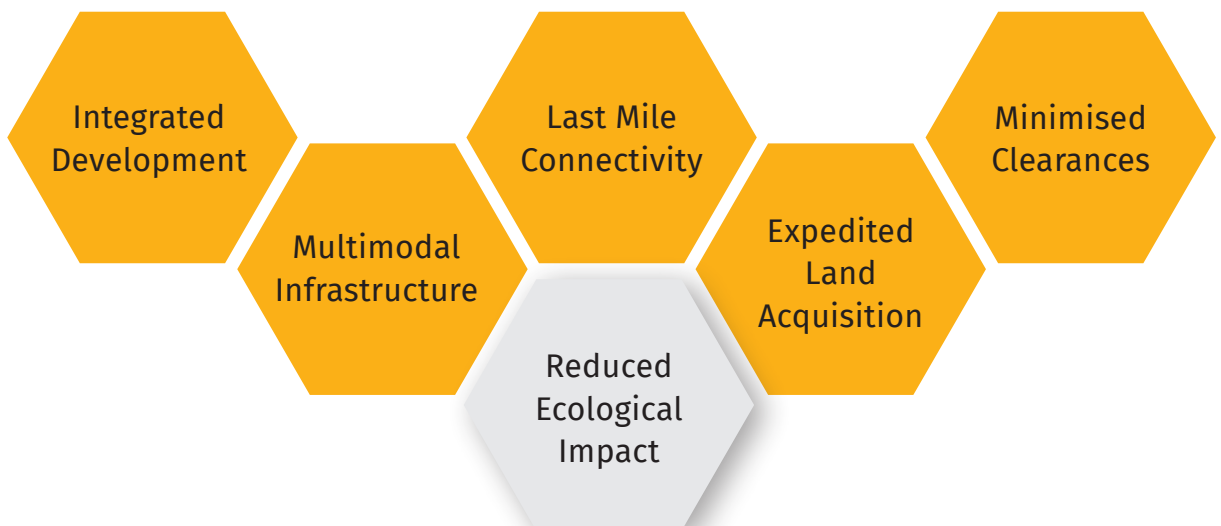
## Aim & Objective

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.

The aims of PM GatiShakti are:

- Establish synergies among different ministries during the planning stage itself.
- Align timelines of various projects through efficient planning,
- Promote standardisation of the designs for efficient project approval
- Enable standardised procedures by all the agencies to reduce project delays

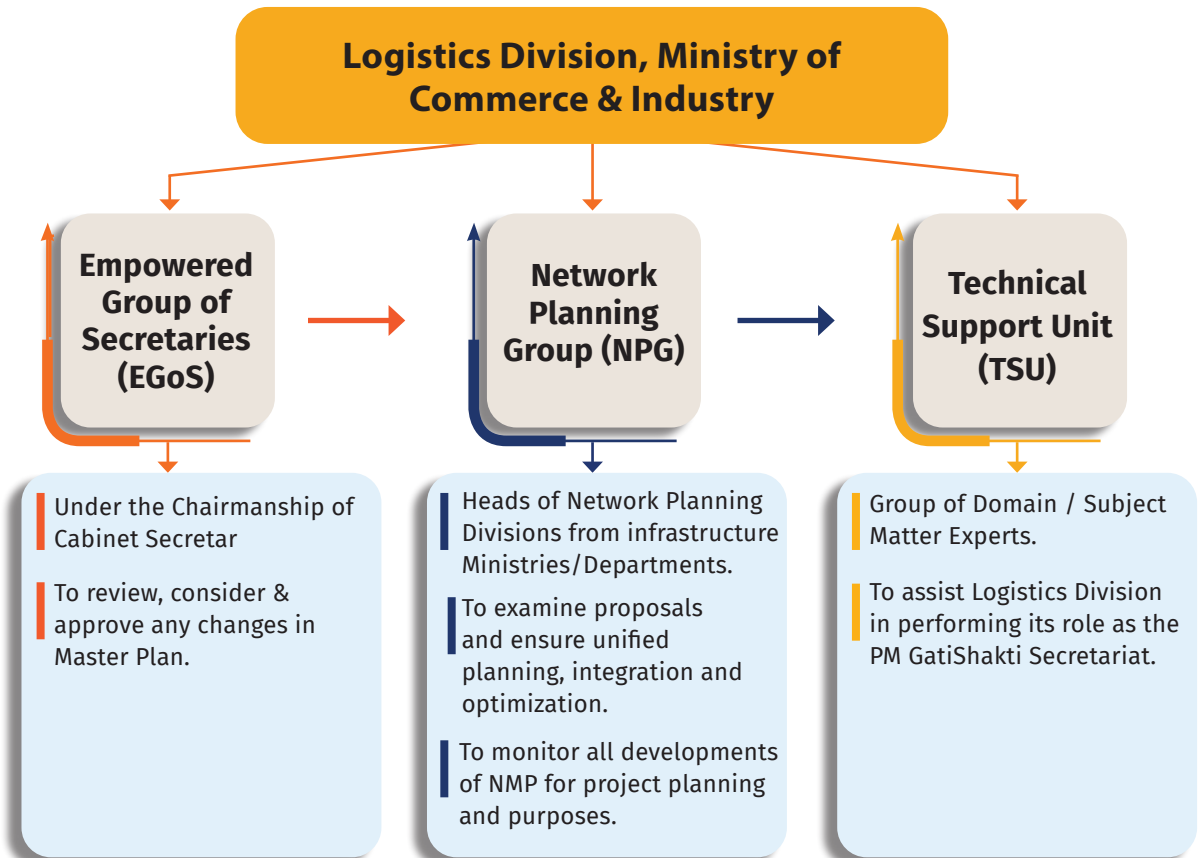
### SIX PRINCIPLES OF PM GATISHAKTI



## A Whole of the Government Approach

PM GatiShakti fosters a whole of the government approach by bringing together 27 Central Government Ministries 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, 54 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.

## 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

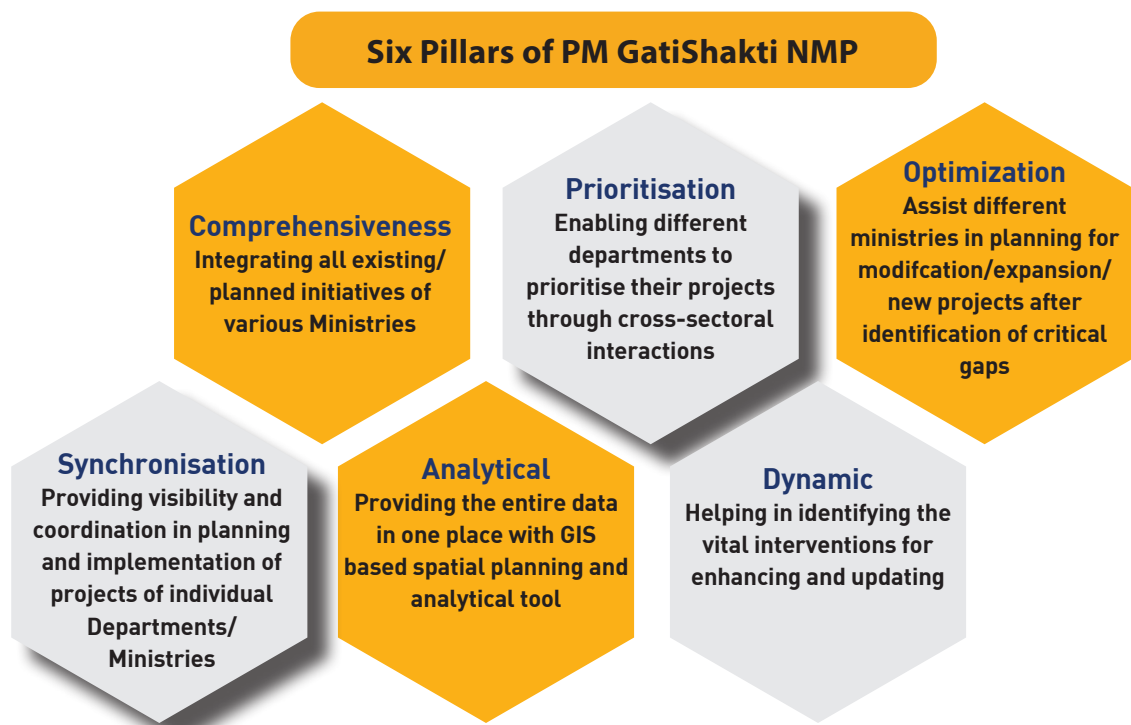
LEADS has brought in an increased awareness amongst States and UTs for holistic development of logistics ecosystems. It has facilitated continuous communication between State and Central Governments for improvement of the Logistics ecosystem. The LEADS survey report assists PM GatiShakti to perform a 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.

## 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.



## 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 insititutional 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 126 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.

## Uses in Social Sector

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.



## 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 on IGoT

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.



WILL ADDRESS PROBLEM OF GOVT DEPARTMENTS WORKING IN SILOS

# To rationalise logistics cost in infrastructure plan launched

ENSECONOMIC BUREAU  
NEW DELHI, OCTOBER 13

PRIME MINISTER Narendra Modi on Wednesday launched the PM Gati Shakti-National Master Plan for multi-modal connectivity, with the aim of coordinated planning and execution of infrastructure projects to bring down logistics costs.

The Gati Shakti digital platform, which will bring together 16 Ministries including Rail and Roadways, will help in removing long-standing issues such as disjointed planning, lack of standardisation, problems with clearances, and timely creation and utilisation of infrastructure capacities.

"According to a study, the logistical cost in India is about 13 per cent of GDP. Such a situation does not exist in developed countries.



Prime Minister Narendra Modi in New Delhi, Wednesday. PTI

Besides cutting logistics costs, the scheme is also aimed at increasing cargo handling capacity and reducing the turnaround time at ports to boost trade.

The PM noted that the functioning of government systems over decades had led to people relating "government work" with poor quality, years of delays, un-

have the feeling that "not a single penny (of public money) should be wasted." The Prime Minister said PM Gati Shakti will address these problems, "road is the way and sta-

master plan would entrepreneurs and informed about the structure projects a governments commitments to the "The launch of P National Master Plan gamechanger for industry," said T V Confederation of President and Tata added that the plan significant impetus development.

Vishnu Sagar, firm ISA said, "It

# Gati Shakti to be JAM trinity for infra, says PM

SUREYA NARAI  
New Delhi, 13 October



Prime Minister Narendra Modi said the plan would give impetus to 21st century India

Prime Minister (PM) Narendra Modi on Wednesday launched the ₹900-trillion Gati Shakti as the national master plan for multi-modal connectivity to expedite infrastructure (infra) project implementation, thereby accelerating economic growth.

The PM Gati Shakti National Master Plan will provide accurate information and guidance for the completion of the government's projects within a stipulated time frame, making policymaking effective and eliminating unnecessary government expenditure, he said at the launch of the master plan in the national capital on Wednesday.

"Just as we have been successful in taking the government facilities in the country to the right beneficiary faster with the power of the JAM trinity — Jan Dhan-Aadhaar-Mobile — Gati Shakti will do the same work in the field of infra. It will provide a holistic vision — from infra planning to execution," said Modi.

Gati Shakti, spearheaded by the Department for Promotion of Industry and Internal Trade, is a digital platform bringing

## NEED FOR SPEED

- PM Gati Shakti, a digital platform, will bring 16 ministries together for coordinated implementation of infra projects
- Will provide convenience through multimodal connectivity

live mint

# THE MASTER MAP FAST-TRACKING INFRA

STATE OF PLAY Gati Shakti is a rare initiative gaining political consensus in a divided landscape

# It's a Whole-of-India Vision



Pranab Dhal Samanta

There is a convergence of infrastructure in Indian politics like the one that came about in the 1980s economic reforms by the late PM Indira Gandhi. The relative ease and pace with which states are embracing the Centre's PM Gati Shakti PMGSY initiative points to a moment of agreement and potential joint political environment.

Over the past year, states and Union territories have approved 75% of the 904 'essential layers' on the National Master Plan (NMP). This translates to roughly 20% success rate in a bid to get PMGSY that sits on the stranglehold



Crawling fast out of the woodwork: 'Reptiler' (9-4), MC Escher

ing India as a whole in terms of available and proposed infrastructure while planning any investment or project. It then has the flexibility for any investor to take the right site, know its connectivity, land use, ownership and disbursements needed across government departments. The flexibility of a proposed project or asset chain in the larger infra

Gateway (GEGATE) — on one string, making it possible to create world-class fibre for distances across industries and departments.

This evolution also has a big impact on the social side, allowing governments to identify the right location for a school or primary health centre, thus reducing local political pressure just

Gati Shakti is developing into one of India's biggest administrative reform tools

**"PM Gati Shakti NMP would find a place in history as a powerful intervention that spurred rapid growth and development in the country."**

**Shri Piyush Goyal,**  
Hon'ble Commerce and Industry Minister "

**WHAT**  
The PM Gati Shakti National Master Plan (NMP) is a digital platform that will bring 16 ministries together for coordinated implementation of infrastructure projects.

**SO**  
The plan will provide accurate information and guidance for the completion of the government's projects within a stipulated time frame.

**BUT**  
The plan will also address the need for a holistic vision from infrastructure planning to execution.

PM GATI SHAKTI AIMS TO CUT LOGISTICS COST TO ABOUT 8% OF GDP

# Data is the new oil to put infra projects on the fast track

RANJINDER PATEL/ANALYST  
New Delhi, October 13

## WHY THE POLICY IS CRITICAL



Logistics Policy launched by Prime Minister Narendra Modi on Wednesday is set to be a game-changer for the country's infrastructure deficit. It is a rare initiative gaining political consensus in a divided landscape. The plan will provide accurate information and guidance for the completion of the government's projects within a stipulated time frame.

# ONE YEAR OF GATISHAKTI

## Govt sets hefty new targets

SANJIVAN PATEL/ANALYST  
New Delhi, October 13

AS THE PM Gati Shakti programme completes one year, the government has now set highly ambitious targets for the next year.



According to the presentation prepared by the government and industry experts, the PM Gati Shakti programme has achieved significant milestones in its first year. The government has now set highly ambitious targets for the next year, including increasing the freight handling capacity of ports and airports, and expanding the reach of the PMGSY programme.

**EXPANDING GATISHAKTI REACH**

Asset	FY22	FY25 Target
Highways (km)	148,396	200,000
Freight loading (million tonne/year)	3,616	4,400
Ports, terminals, etc.	240	3,150
Cargo handling (million tonne/year)	20,000	34,000
Renewable capacity (GW)	87.3	176.8
Highways with optical fibre cable	176,827	262.0





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