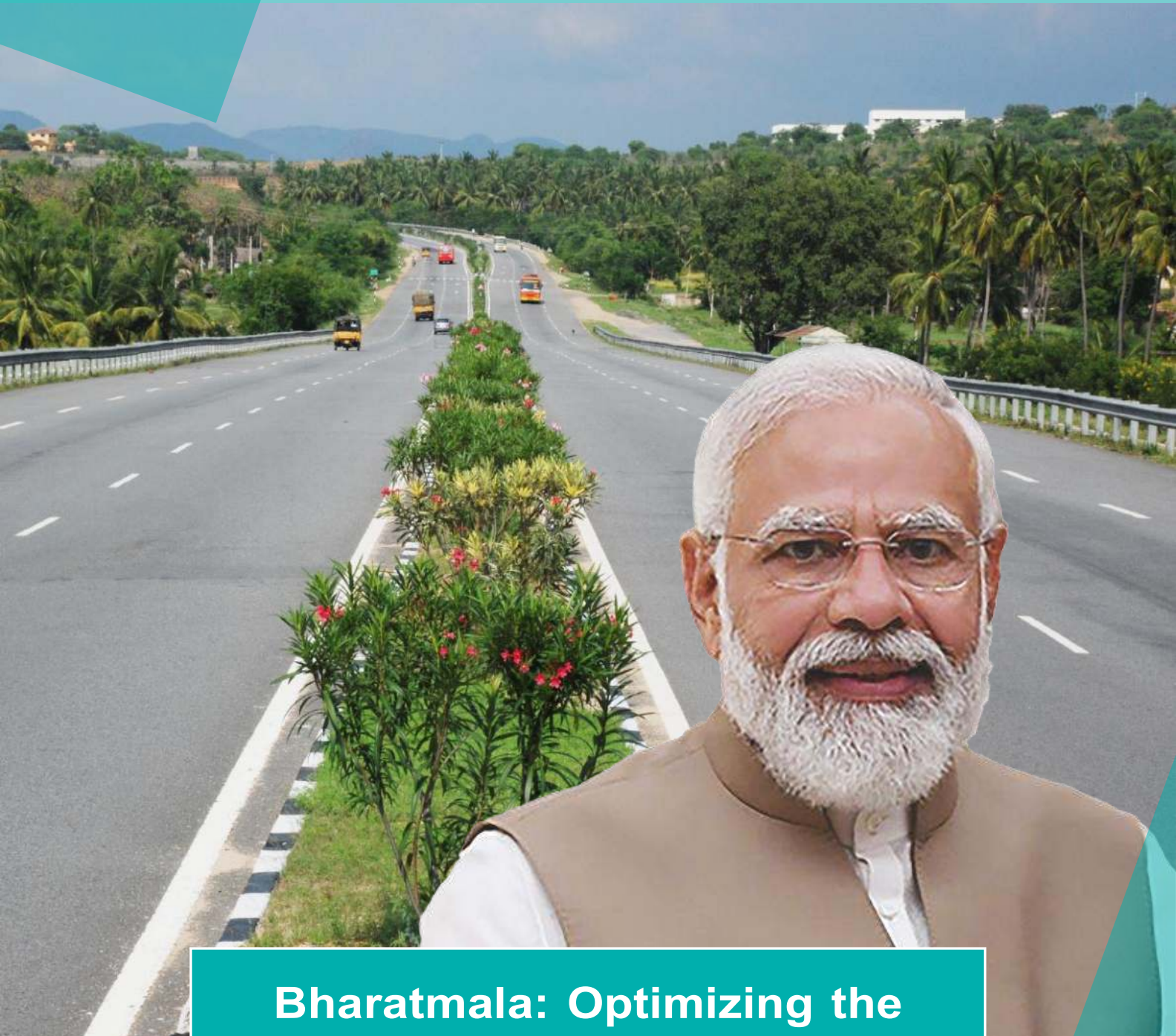




**Ministry of Road
Transport & Highways**
Government of India



Bharatmala: Optimizing the Efficiency of Movement

**Move towards New India
Ensuring Ease of Living**

The new India of 21st century is building one of the best modern infrastructure today. These projects transform the entire region and people's life completely.

- Shri Narendra Modi
Prime Minister



Bharatmala Pariyojana is rapidly transforming connectivity and improving lives of people. Better roads are enabling faster economic development.

- Shri Nitin Gadkari,
Minister RT&H



Contents

1.	Introduction	05
2.	Consultation in Finalizing Reforms	06
3.	Gaps in Highway Infrastructure	07
4.	Vision for Bharatmala Pariyojana	08
5.	Features of the Reform	09
6.	Leveraging PM GatiShakti National Master Plan	12
7.	Systematic Interventions for Greater Impact	14
8.	Bharatmala Pariyojana: Before and After	15
9.	Public Discourse on Bharatmala Pariyojana	17
10.	Success in Numbers	19
11.	Success Stories and Prominent Projects	20

INTRODUCTION

India has about 63.32 lakh km of the road network, which is the second largest in the world in terms of length. National Highways (NHs) constitute about 2% of the total road network but carry about 40% of the total road traffic.

The National Highways Development Project (NHDP) conceptualized in 1998 had reached a certain level of maturity. It was important to redefine road development and have a macro approach while planning an expansion of the national highways network. Earlier, the rationale for highway construction was point to point connectivity; highways development was not planned with an economic perspective.

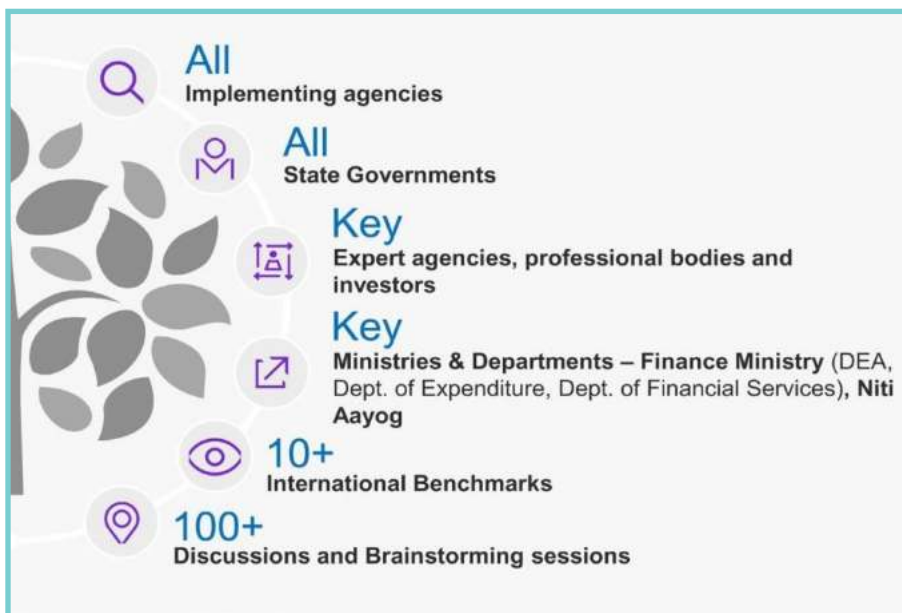
It was, therefore, required that the Origin and Destination of vehicular traffic, particularly of freight, be the basis of construction for the bigger, i.e., the 4-laned/ 6-laned/ 8-laned National Highways (NHs).

Hence, it was proposed to launch a new umbrella program with the primary focus of optimizing the efficiency of the movement of goods and people across the country.



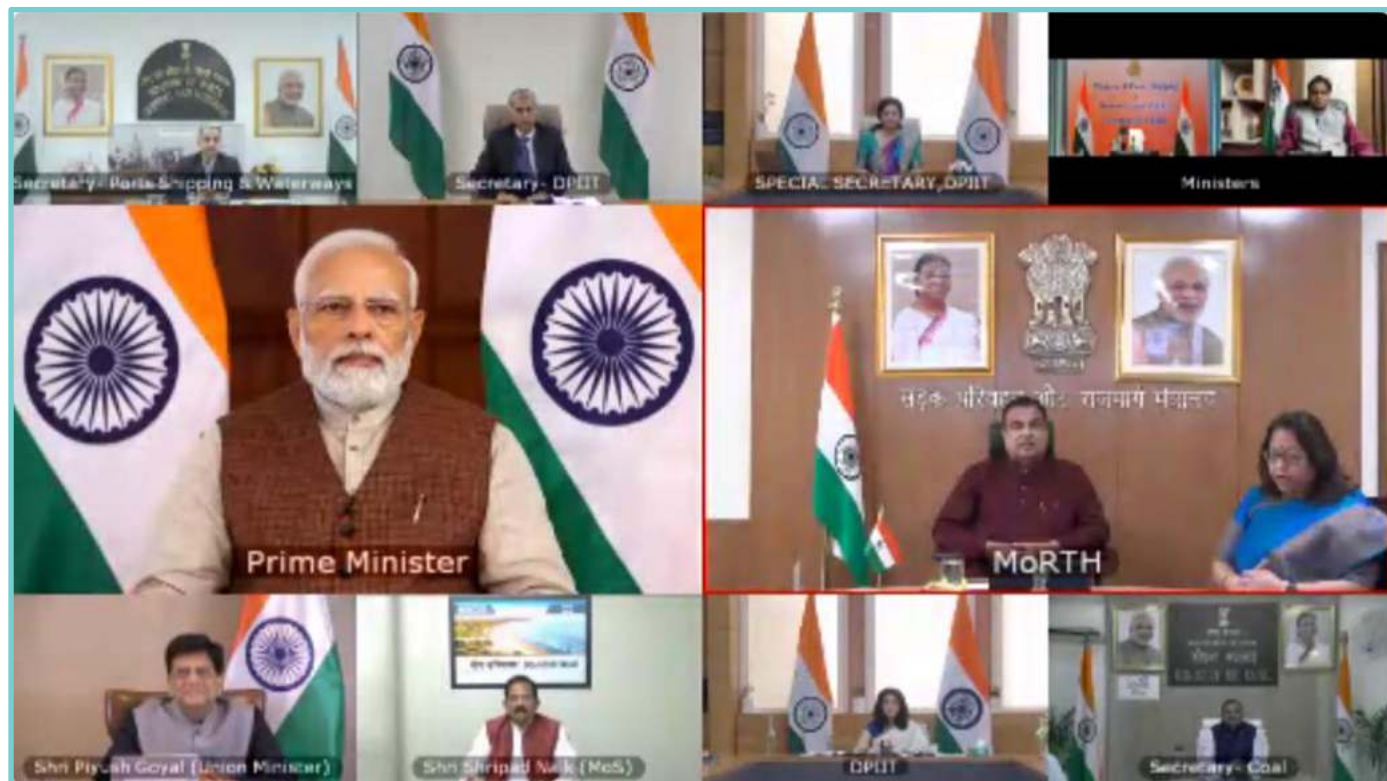
Paniyala Mor – Narnaul Section, Ambala – Kotputli Corridor, Haryana

CONSULTATIONS IN FINALIZING REFORMS



“India, being a consumption driven economy, warrants a greater priority in roads development. With increasing transport of goods, exports, and urbanization, superior expressways are being seen as the future of road development. Road sector has also seen many success stories in the episode of PPP development in last few years.”

Manish Agarwal
(Executive Director, PwC)



Consultation with Industry Stakeholders and Government officials

GAPS IN HIGHWAY INFRASTRUCTURE

The Bharatmala Pariyojana program envisages a corridor approach in place of the existing package- based approach which had, in many cases, resulted in skewed development. For instance, in areas of high traffic, even up to 30,000 Passenger Carrying Units (PCUs), there were National Highway stretches of single and even intermediate lane. Naturally, these become an impediment to seamless freight and passenger movement.

Inadequacy in Optimization of National Highway network

Road network has to be optimally designed to improve logistics efficiency and promote economic activity. Due to **resource constraints** and **lack of a national master plan**, apart from Golden Quadrilateral and North- South-East-West Corridor, optimization of road network was inadequate.

Additionally, **connectivity of major corridors and ports with hinterland** was not planned in an integrated manner.

Presence of Congestion Points

Multiple points of local congestion were present even **on already developed corridors**, driven by the interaction of the **local city traffic** with the **highway traffic**, leading to **drop in vehicular speed, higher accidents on highways**.

Lack of accident response infrastructure

There was a need to **proactively identify areas** on national highways that are prone to accidents and **swiftly design and implement interventions**.



Rajiv Chowk – Sohna Section of NH248, Haryana

VISION FOR BHARATMALA PARIYOJANA

The umbrella program of Bharatmala Pariyojana focused on enhanced effectiveness of already built infrastructure, multi-modal integration, bridging infrastructure gaps for seamless movement and integrating National and Economic Corridors. The program was conceptualized to attain optimal resource allocation for a holistic highway development/improvement initiative.

At the time of conceptualization of Bharatmala Pariyojana, around 300 districts had NH connectivity. The bridging of critical infrastructure gaps in existing highway network would enhance safe and seamless movement of traffic, and in turn have a positive impact on the Logistic Performance Index (LPI) of the country.

To this effect, Bharatmala Pariyojana was envisioned with six key features:

- **Economic Corridors:** Integrating the economic corridors facilitates larger connectedness between economically important production and consumption centers.
- **Inter-corridor and Feeder routes:** Inter-corridor connectivity would ensure first mile and last mile connectivity.
- **National Corridor Efficiency Improvement:** Through this, the greater actionable goal is to undertake lane expansion and decongestion of existing National Corridors.
- **Border and International connectivity Roads:** Better border road infrastructure would ensure greater maneuverability, while also boosting trade with neighboring countries.
- **Coastal and Port connectivity roads:** Port-led economic development is further boosted through connectivity to coastal areas, encouraging both, tourism and industrial development
- **Greenfield Expressways:** Expressways have higher traffic configuration and choke points would benefit from greenfield expressways.



Inauguration of Delhi-Dausa-Lalsot Section (First section of Delhi-Mumbai Expressway)

FEATURES OF THE REFORM

Corridor Based Approach

The objective of Bharatmala Pariyojana is to optimize the efficiency of freight and passenger movement by bridging critical infrastructure gaps through **development of Economic Corridors, Inter Corridors and Feeder Routes, National Corridor Efficiency Improvement, Border & International connectivity roads, Coastal & Port connectivity roads and Green-field expressways.**

Identification of the project stretches under the components of the proposed program is based on detailed Origin-Destination (O-D) study, freight flow projections and verification of the identified infrastructure gaps through geo-mapping.

Construction of a length of ~24,800 km is being taken up under Phase-I of Bharatmala Pariyojana along with 10,000 km of residual works of National Highway Development Project (NHDP) at ~Rs. 5.35 lakh crore.

Bharatmala Pariyojana was conceptualized as with a **corridor-based approach** based on:

- Origin-Destination study of freight movement across **600 districts**
- Technology-based **automated traffic surveys** of over **1,500+ points**
- Satellite **mapping of corridors** to identify upgradation requirements

One other key pillar of the Bharatmala Pariyojana program is the conceptualization and implementation of **27 greenfield access-controlled corridors and expressways** of length ~10,000 km to enable seamless connectivity across major economic centers of the country. Additionally, **4 expressways and 19 access-controlled corridors** of length 8,100+ km are planned as part of Bharatmala Pariyojana Phase II(A).

Decongestion of Highways

- **191 congestion points** were identified across key cities on the National Highway corridor network
- **Multiple interventions** were identified for resolution of congestion points
 - **29 ring roads** addressing **44 Congestion Points**
 - **54 Bypasses** addressing **56 Congestion Points**
 - **76 Lane Expansions** and structures addressing **91 Congestion Points**

Resolution of Blackspots

Road safety audits have been conducted for 82,389 km till March 2023, out of which 31,423 km have been audited in FY22-23. Consequently, **5,803 blackspots were identified for rectification** via permanent measures to reduce road accidents out of which **4,297 have been rectified till March 2023.**



Interchange at Narnaul Bypass, Ambala – Kotputli Corridor

Efficient Freight Movement through Multi-modal Logistics Parks (MMLP)

Multi Modal Logistics Parks have been conceptualized to act as freight aggregation and disaggregation centers to enable seamless freight movement across the country. **The MMLPs aim to improve the efficiency of freight movement and will enable reducing the logistics cost in the country from 14% to 8% of the GDP** by using more efficient modes of transportation such as higher sized trucks, rail or coastal shipping, etc.

A network of **35 Multimodal Logistics Parks** will be developed as part of Bharatmala Pariyojana, which once operational, shall be able to handle **~700 million metric tons of cargo**. Of this, MMLPs at **15 locations** are prioritized for award by FY24-25. MMLP in Jogigopha, Assam is under construction and is targeted for completion by December 2023. This MMLP will serve as the distribution center for all North-Eastern states and facilitate cross-border trade with Bangladesh, Bhutan and Nepal. In addition, MMLPs in Chennai & Indore have been awarded in FY22-23 and are planned for development in three phases with Phase-1 planned for operationalization by FY25-26. Bids have also been invited and are under evaluation for MMLP at Bengaluru which is planned for award in FY23-24. Bids will be invited shortly for MMLP at Nagpur which is planned for award in FY23-24.

Concept View for Bengaluru MMLP



Monetization Plan

One of the key sources of investment in National Highways development is the private sector. To attract investment from global and domestic financial investors, the Ministry is actively pursuing multiple models of monetization of National Highway assets such as:

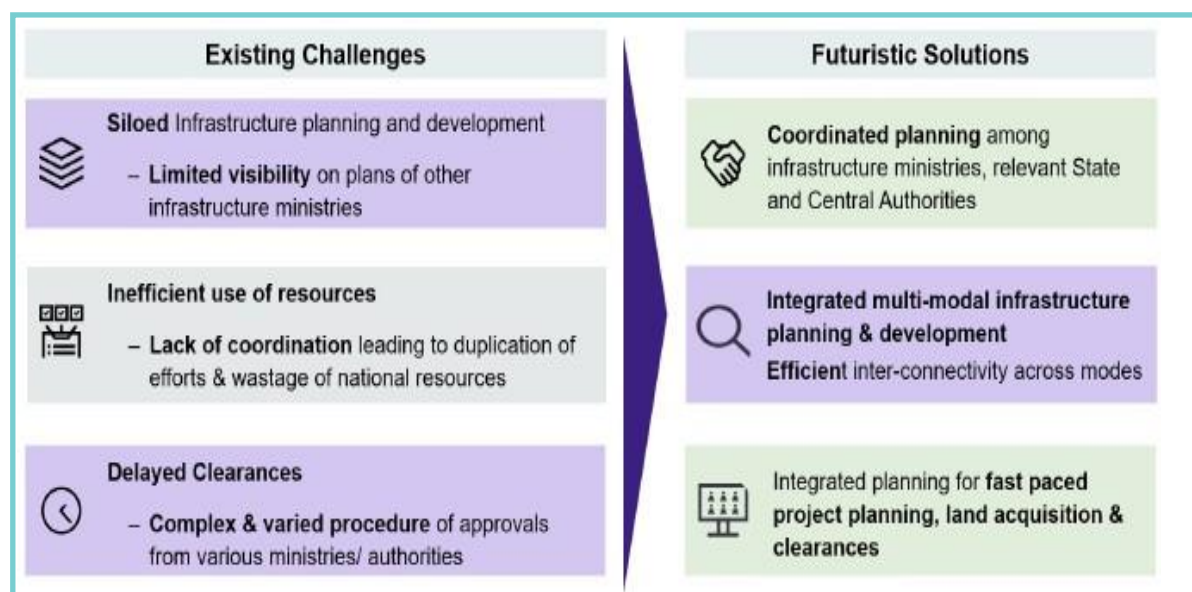
- **Toll Operate Transfer (TOT)**
 - o TOT model is used to monetize national road assets where investors make one-time lumpsum payment in exchange of Toll collection rights for 20 years.
 - o The TOT model for asset monetization was initiated in FY17-18 and Rs. 26,366 Cr. has been realized through monetization of ~1,615 km over 5 years till 31st March 2023
- **Infrastructure Investment Trust (InvIT)**
 - o NHAI's Infrastructure Investment Trust (InvIT) was conceptualized to enable modular approach to monetization of roads.
 - o InvIT enables direct investments from individual and institutional investors in infrastructure sector, who earn a portion of income in return.
 - o Rs. 10,200 Cr. raised till 31st March 2023 through InvIT listing of NHAI in 2 phases of length ~635 km
- **Project based Financing**
 - o NHAI has explored alternate financing mechanisms by floating corridor specific subsidiary / SPV that allow financial investors to finance large scale road infrastructure projects during the construction phase enabling execution of large-scale infrastructure projects of National importance with additional funds.
 - o Rs. 33,561 Cr. raised till 31st March 2023 through Project-based financing of Delhi Mumbai Expressway

In FY22-23, the Ministry has realized Rs. 23,336 Cr. through TOT (Rs. 10,662 Cr), InvIT (Rs. 2,850 Cr), and Project-based financing (Rs. 9,824Cr).

LEVERAGING PM GATISHAKTI NATIONAL MASTER PLAN

In line with the Hon'ble PM's vision to enable integrated infrastructure planning across the Central Ministries and State Departments, PM GatiShakti National Master Plan was launched on 13th October 2021 for coordinated infrastructure planning and implementation.

PM GatiShakti has enabled the development of a digital master planning tool, National Master Plan (NMP) Portal, by BISAG-N (Bhaskaracharya National Institute for Space Applications and Geoinformatics) for leveraging GIS technology to identify infrastructure plans of all Central Ministries and State Departments and enable faster implementation of infrastructure projects of Bharatmala Pariyojana via coordinated planning.



Need of PM GatiShakti National Master Plan

Phase I of Bharatmala Pariyojana is being implemented in line with principles of PM GatiShakti National Master Plan to enable integrated planning and enhance multimodality for maximizing the benefit of every rupee spent in infrastructure projects.



Principles of PM GatiShakti National Master Plan

Institutional Framework has been setup under PM GatiShakti National Master Plan to promote coordinated planning of infrastructure projects across central and state ministries. Till Apr'23, 63 National Highway projects have been discussed at NPG and the recommendations of the NPG have been incorporated in the final DPR of these National Highway projects to enable integrated infrastructure planning.

In addition, MoRT&H has coordinated development of various alignment tools, analytical tools, and Reporting & Monitoring tools on NMP Portal which will help DPR Consultants and Ministry officials in project preparation and alignment finalization activities. MoRT&H has also taken various capacity building initiatives, including alignment optimization workshop at BISAG-N and virtual training sessions to improve the adoption of NMP Portal.

Through the implementation of Bharatmala Pariyojana in line with principles of PM GatiShakti National Master Plan multi-fold benefits are expected such as:

- Improved connectivity to **780+ PM GatiShakti economic nodes under Bharatmala Pariyojana Phase I**
- Efficient connectivity to **Major and Non-major Ports** such as **Vishakhapatnam Port** (through Raipur – Vishakhapatnam corridor), **JNPT Port** (through Delhi – Mumbai Expressway) and **ports in Chennai** (Through Chennai – Bengaluru Expressway & Chittoor – Thatchur corridor)
- High- speed connectivity to **Greenfield airports** such as **Jewar Airport** (through Delhi – Mumbai EXP), **Navi Mumbai Airport** (through Delhi – Mumbai EXP) and **Dholera Airport** (through Ahmedabad – Dholera EXP)
- **Integrated development** via **common RoW** for Rail, Road and Utilities (e.g., Ahmedabad – Dholera Expressway, Metro Rail and Highway planned on a common super-structure in Jammu)

SYSTEMATIC INTERVENTIONS FOR GREATER IMPACT

Benefits realized from the Bharatmala Pariyojana Phase-I

Action		Output
Total length of network identified under Bharatmala Pariyojana Phase I	34,800 km	Economic Growth
Total number of Key Economic Corridors under Bharatmala Pariyojana Phase I	50+	Reduced number of accidents
Total value of investment under Phase I	INR 5.35 Lakh Crore	Increase in average speed of corridor by 25%
Total number and percentage of blackspots rectified	4,297 74%	Reduced pollution in cities e.g., Delhi with construction of EPE
Total length of road safety audit completed	82,389 km	

Foundation Stone Laying of Raipur – Vishakhapatnam Corridor, Andhra Pradesh



BHARATMALA PARIYOJANA: BEFORE AND AFTER

Bharatmala Pariyojana shall deliver substantial improvements in Highway Network

The program aims to develop corridors to avoid congestion and optimize traffic movement. This will result in boosting connectivity to ~550 districts (from 300 currently) and also in 25% increase (from 32 km/hr) in the average speed on NH network.

From

To

Six Corridors
(GQ, NS-EQ)



50+ Corridors

32 Km / hr average speed on
National Highways



**25% increase in
average speed on NH
network**

~300 districts connected by
4+ Lane Highways



**~550 districts
connected by 4+ Lane
Highways**



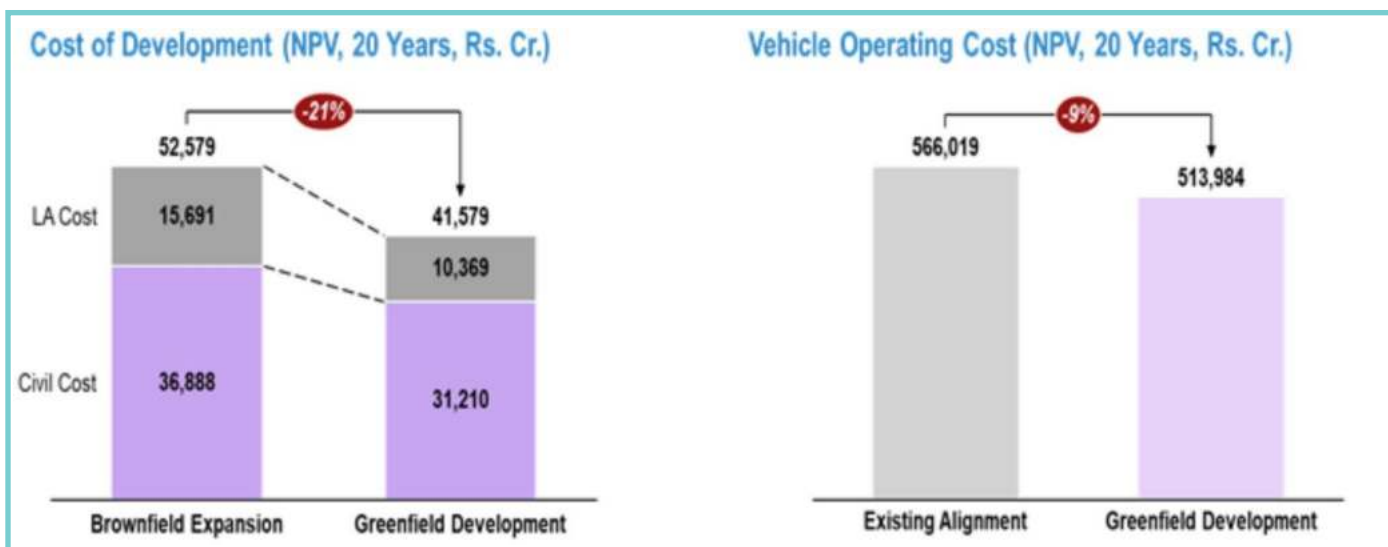
Sadar Flyover Nagpur, Maharashtra

Greenfield Corridors

Bharatmala Pariyojana aims to develop 27 greenfield access-controlled corridors and expressways of length ~10,000 km. The development of greenfield corridors will lead to following benefits:

- Reduction in travel distance due to crow-flight alignments
- Lower cost of land acquisition (per Ha basis)
- Economic impetus to hinterlands of the country through improved connectivity

For instance, greenfield development of Delhi – Vadodara section of the Delhi – Mumbai Expressway has 21% lower cost of development and reduces the vehicle operating cost by 9% due to reduction in travel distance from 1,340 km to 1,220 km. Details are mentioned below:



Master Planning of Expressways

Under the vision of PM GatiShakti National Master Plan, the Ministry is planning to connect the economic centers in the country. As per the National Master Plan, 860 nodes have been identified across the country and classified under 8 categories such as SEZs (350), Fishing clusters (155), Pharma and medical clusters (101), Mega food parks (93), Textile Clusters (83), Defense Corridors (11), Electronic manufacturing centers (38) and NICDIC Nodes (29).

780+ of 860 PM GatiShakti nodes are served by one or more corridors under BM Phase I. MoRT&H is conceptualizing Bharatmala Phase II with an objective to provide National Highway or Expressway connectivity to all major economic nodes and centers identified under the National Master Plan.

PUBLIC DISCOURSE ON BHARATMALA PARIYOJANA

Bharatmala Pariyojana in the news



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De-congestion projects completed at 56 points under Bharatmala Pariyojana

By Twesh Mishra, ET Bureau • Last Updated: Dec 08, 2022, 04:53 PM IST

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Synopsis
"Of the 191 choke points, de-congestion projects have already been completed in 56 congestion points and de-congestion projects are under implementation in 83 congestion points," Gadkari said, adding that the work on remaining 52 congestions points will be awarded for construction by financial year 2024-25.

Home > Logistics > Tripartite MoU signed for swift development of modern multi modal logistics park under Bharatmala Pariyojna

LOGISTICS

Tripartite MoU signed for swift development of modern multi modal logistics park under Bharatmala Pariyojna

MMLPs to act as world class stations for cargo movement with roadways, railways & inland waterways access.



by Staff Writer | August 25, 2022

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NATION WORLD STATES CITIES BUSINESS SPORT GOOD NEWS MOVIES PHOTO

Road ministry makes significant progress under 'Gati Shakti' national plan

As part of PM Gati Shakti NMP, the ministry plans to develop 22 greenfield expressways, 23 other key infrastructure projects, other highway projects, and 35 multi-modal logistics parks.



Published: 15th February 2022 06:59 PM | Last Updated: 15th February 2022 06:59 PM



Image for representational purpose only (File Photo)

By PTI

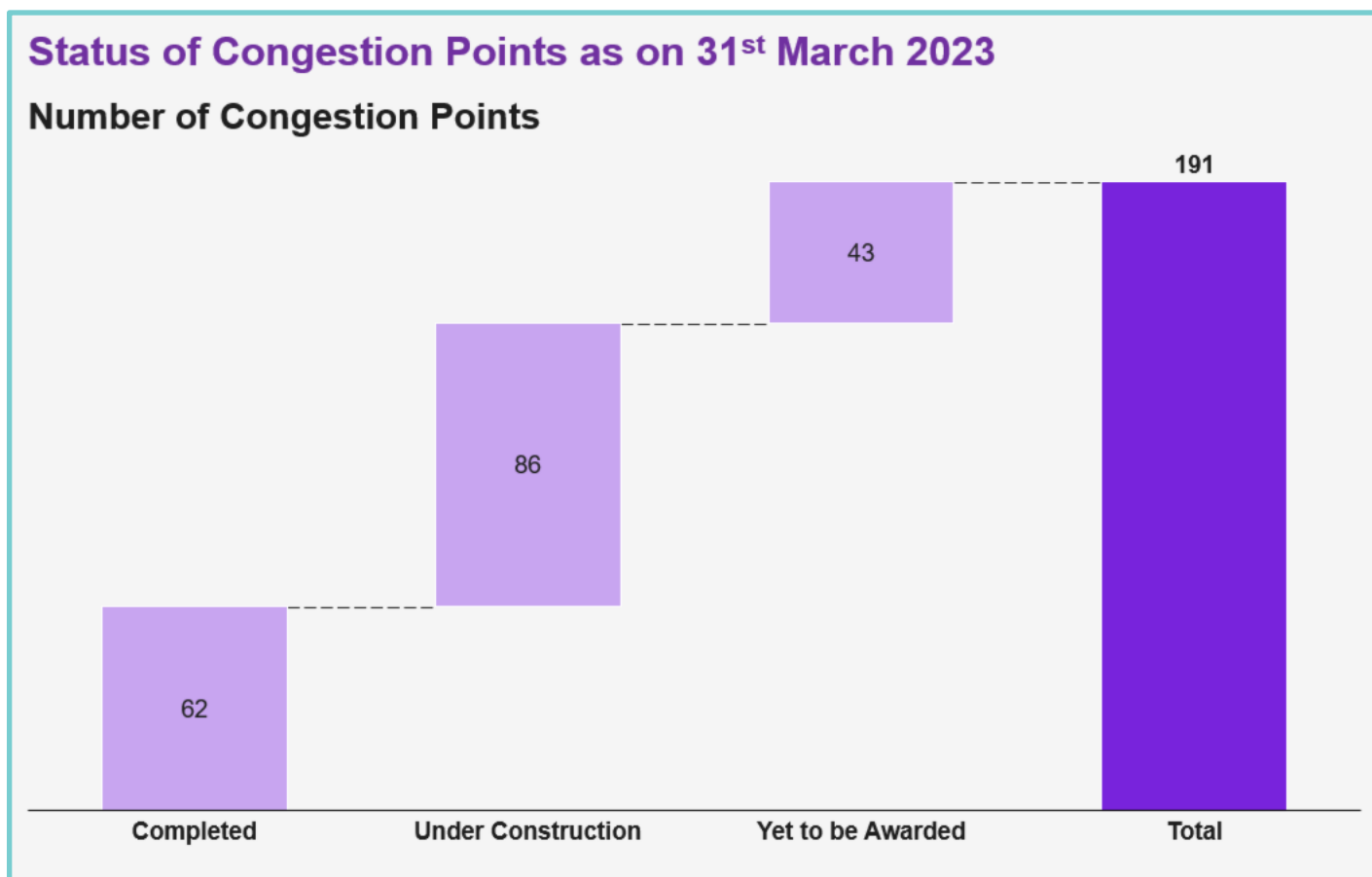
NEW DELHI: Ministry of Road Transport and Highways on Tuesday said it has made significant progress under PM Gati Shakti National Master Plan aimed at improving multi-modal connectivity and last-mile connectivity across the country.

SUCCESS IN NUMBERS

Key components of Bharatmala Pariyojana

Category	Total Length (Km)	BM Phase-I (Km)	Award (Till 31st Mar '23)	Construction (Till 31 st Mar '23)
Economic Corridors	26,160	12,002	8,527	3,807
Inter Corridors and Feeder Rotes	15,400	5,040	3,963	1,614
National Corridor Efficiency Improvement	13,049	2,600	2,601	1,638
Border Roads / Strategic Highways	5,198	1,600	1,600	1,256
Coastal & Port Connectivity roads	3,298	1,079	415	104
Expressways	1,837	2,479	2,422	958
Bharatmala Total	64,942	24,800	19,528	9,377
NHDP	-	10,000	6,788	4,122
Grand Total	-	34,800	26,316	13,499

Status of congestion points as of March 2023 (Number of congestion points)

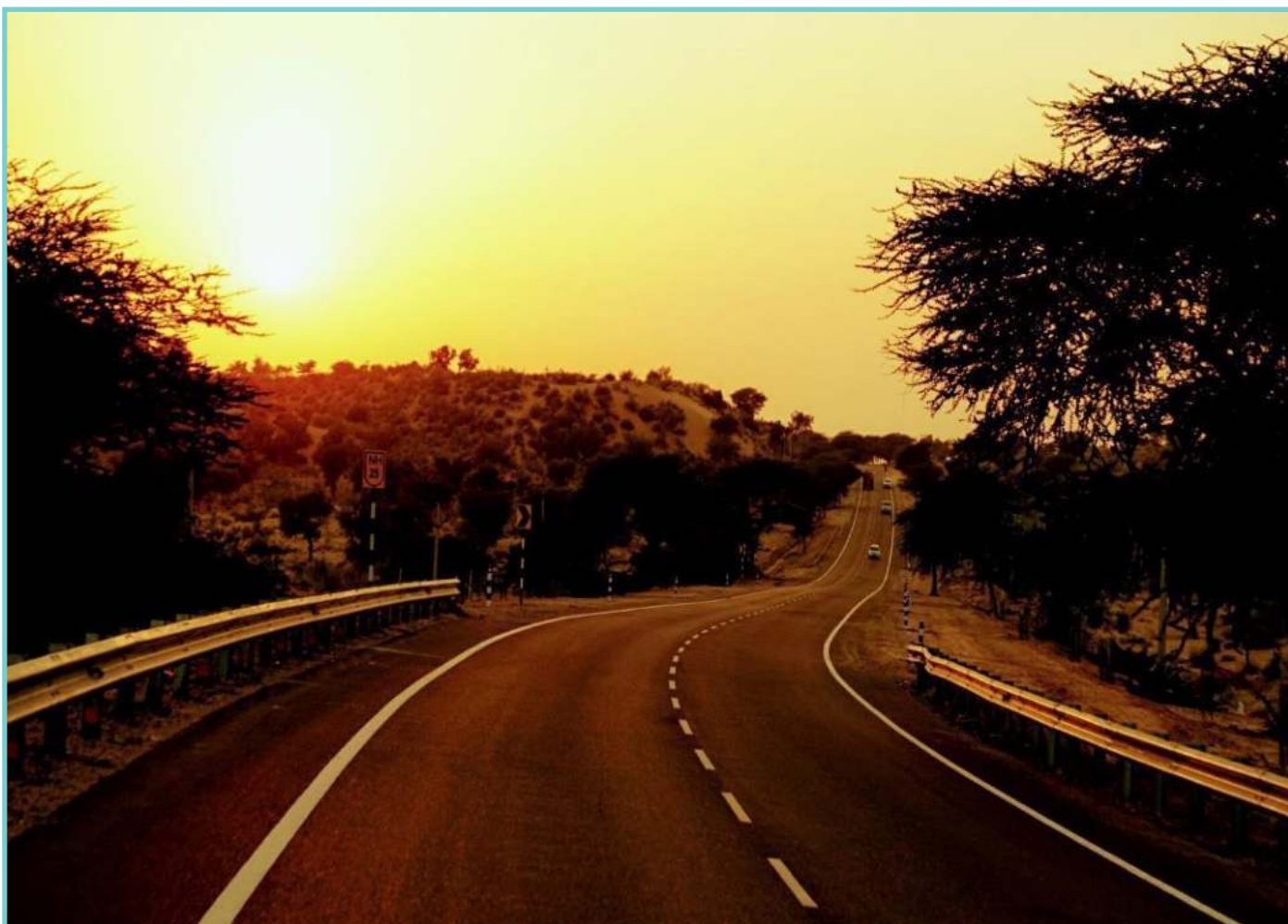


SUCCESS STORIES & PROMINENT PROJECTS

Success stories & prominent projects

MoRTH has undertaken various marquee projects in the recent past and planned important projects to be taken up in future to boost connectivity to PM GatiShakti Nodes. A brief status of 36 such marquee projects is mentioned in the below section.

Type of Projects	No. of Marquee Projects
Greenfield Corridors	27
Important Bridge & Tunnel Projects	5
Important Road Connectivity Projects	4



#	Project Details	Length (km)	Total Capital Cost (INR Cr.)	Status
1	Delhi - Mumbai EXP	1,386	101,420	Under Implementation
2	Varanasi - Ranchi - Kolkata	612	22,490	Under Implementation
3	Ahmedabad - Dholera EXP	109	4,192	Under Implementation
4	Bengaluru - Chennai EXP	262	16,730	Under Implementation
5	Kanpur - Lucknow EXP	63	4,063	Under Implementation
6	Ambala - Kotputli	313	11,375	Completed
7	Raipur - Vishakhapatnam	465	16,513	Under Implementation
8	Hyderabad - Vishakhapatnam	222	5,921	Under Implementation
9	UER II	75	7,010	Under Implementation
10	Chennai - Salem	277	7,232	Balance for Award
11	Chittor Thatchur	116	4,754	Under Implementation
12	Bangalore Ring Road	280	11,022	Under Implementation
13	Delhi - Saharanpur - Dehradun	239	12,601	Under Implementation
14	Durg Raipur Arang	92	3,333	Under Implementation
15	Hyderabad - Raipur	325	13,130	Balance for Award
16	Surat - Nashik - Ahmednagar - Solapur	719	23,921	Under Implementation
17	Solapur - Kurnool - Chennai	340	10,817	Under Implementation
18	Kharagpur - Siliguri	235	8,635	Balance for Award
19	Kota Indore (Garoth to Ujjain)	135	2,594	Under Implementation
20	Nagpur - Vijayawada	401	22,632	Under Implementation
21	Amritsar - Bhatinda - Jamnagar	917	22,757	Under Implementation
22	Kota – Etawah	412	12,140	Balance for Award
23	Bengaluru - Kadappa - Vijayawada EXP	342	13,559	Under Implementation
24	Delhi - Amritsar - Katra EXP	669	37,524	Under Implementation
25	Indore - Hyderabad	525	13,759	Under Implementation
26	Mohali - Sirhind - Khanna Bypass - Malerkotla - Barnala	108	2,111	Balance for Award
27	Sanchoe - Deesa - Mehsana - Ahmedabad	212	7,790	Balance for Award
28	2-Lane Bridge across River Brahmaputra on NH-17 at Jogighopa	4	747	Under Implementation
29	2-lane major bridge on Brahmaputra River between Majuli and Jorhat	8	925	Under Implementation
30	4 lane major bridge across river Kosi at Phulaut and upgradation of existing Birpur-Bihpur Section of NH-106 to 2L+PS	29	1,478	Under Implementation

#	Project Details	Length (km)	Total Capital Cost (INR Cr.)	Status
31	4-Lane Bridge over river Brahmaputra between Dhubri and Phulbari on NH-127B	19	4,997	Under Implementation
32	Upgradation of Bilaspur – Uрга section of NH-130A	70	2,198	Under Implementation
33	Four Lane greenfield road to Krishnapatnam Port from Naidupeta	35	1,399	Balance for award
34	Amas- Darbhanga Greenfield Connectivity Highway	200	7220	Under Implementation
35	Bridge on River Ganga parallel to Vikramshila at Bhagalpur, Bihar	6	1,110	Under Implementation
36	Bridge parallel to JP Setu on River Ganga	7	3,064	Under Implementation

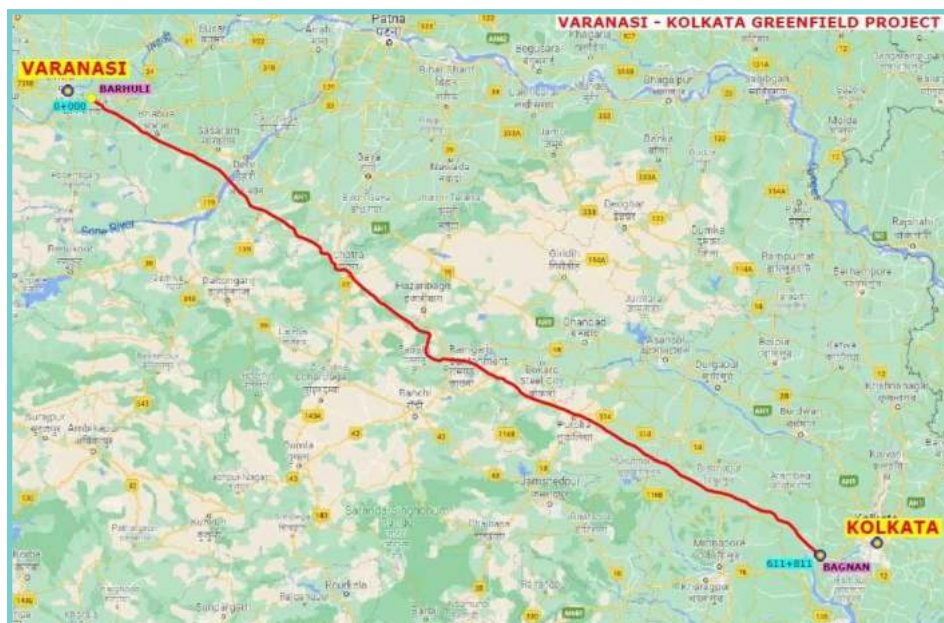
Delhi - Mumbai EXP

Project Details	
Length (km)	1,386
Lane Status	8 Lane
Total Project Cost (Rs. Cr.)	101,420
Major Project Features	Bridges (704), ROB (20), Interchanges (40+)
Completion	Dec'24
Status	Under Implementation (Delhi – Dausa – Lalsot section of 247 Km opened to public traffic in Feb'23)
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks – Mewat, Navsari Fishing Clusters - Aliya Bet Island, Billimora, Navsari Pharma & Medical Clusters – Andheri, Ankleshwar, Boisar, Delhi, Mumbai, Nandesari, Panoli, Vadodara, Vapi Textile Clusters - Umargam SEZ – Ankhol, Bhondsi, Haveli, JNPT, Khardi Haveli, Panoli, Vagra, Waghodia
Connectivity with major economic centers	Delhi, Kota, Ratlam, Vadodara, Surat, Thane
Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in travel time from 24 hr to 12 hr Increase in speed from 60 km/h to 120 km/hr
Connectivity for missing links	Provides connectivity to Kota, Indore, Jaipur, Bhopal, Ujjain and Surat along with cloverleaf interchange with KMP Expressway at Khalilpur village in Nuh district
Other Impact	
Connectivity with Social Points	Tourist Place: Jaipur, Ujjain, Mumbai, Ahmedabad, Ajmer, etc. Religious Places: Mehandipur Balaji (Dausa) and Udvada (Zoroastrian Atash Bahram fire temple)
Connectivity with key districts	Aspirational Districts – Mewat, Karauli, Khandwa, Narmada



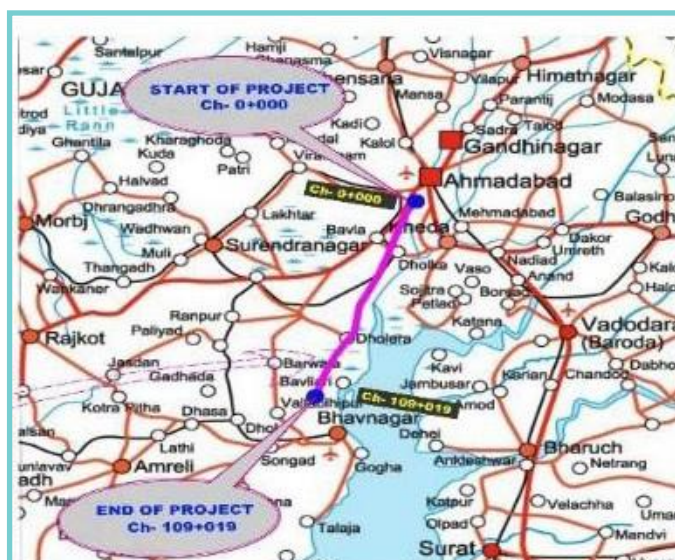
Varanasi – Ranchi – Kolkata

Project Details	
Length (km)	612 km
Lane Status	6 Lane
Total Project Cost (Rs. Cr.)	22,490 Cr
Completion	FY25-26
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Electronic Manufacturing Centers – Falta, Naihati Fishing Cluster – Ranchi, Howrah, Nadia HooglyPharma & Medical: Behala Textile Cluster – Howrah, Varanasi, Bhadohi, Hooghly, Kolkata, Nadia
Connectivity with major economic centers	Varanasi, Ranchi, and Howrah
Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in travel time from 18 hr to 8 hr Increase in speed from 60 km/h to 100 km/hr
Connectivity for missing links	Will link economic corridor through Raipur & Dhanbad with economic Corridor through Varanasi & Jabalpur, thereby fully connecting the eastern part of the country
Other Impact	
Connectivity with Social Points	Religious Places: Varanasi Tourist Places: Varanasi, Hazaribagh, Purulia, Kolkata, Ranchi, Bokaro, Hazaribagh, Kharagpur
Other Benefits	Will provide connectivity for mining centers Jharkhand to the ports of West Bengal



Ahmedabad – Dholera EXP

Project Details	
Length (km)	109
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	4,192
Major Project Features	MB(9), ROB(3)
Completion	Jun'24
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Electronic Manufacturing Clusters – Dholera Pharma & Medical Clusters - Ahmedabad Textile Clusters - Ahmedabad NICDC Nodes - Dholera SEZ – Ahmedabad, Chanchanvadi, Kalyangadh, Ognaj
Connectivity with major economic centers	Ahmedabad, Bhavnagar
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time - Average travel time between Ahmedabad to Adhelai Village of Bhavnagar District will decrease from 2.5Hrs to 1 Hr Avg Travel Speed - Average travel speed from Ahmedabad to Adhelai Village of Bhavnagar District will increase from 53 Km /hr to 120 Km/hr
Connectivity for missing links	Although the project is not a part of missing link, but it will provide shortest connectivity to Bhavnagar District from Ahmedabad
Other Impact	
Connectivity with key districts	Ahmedabad, Bhavnagar



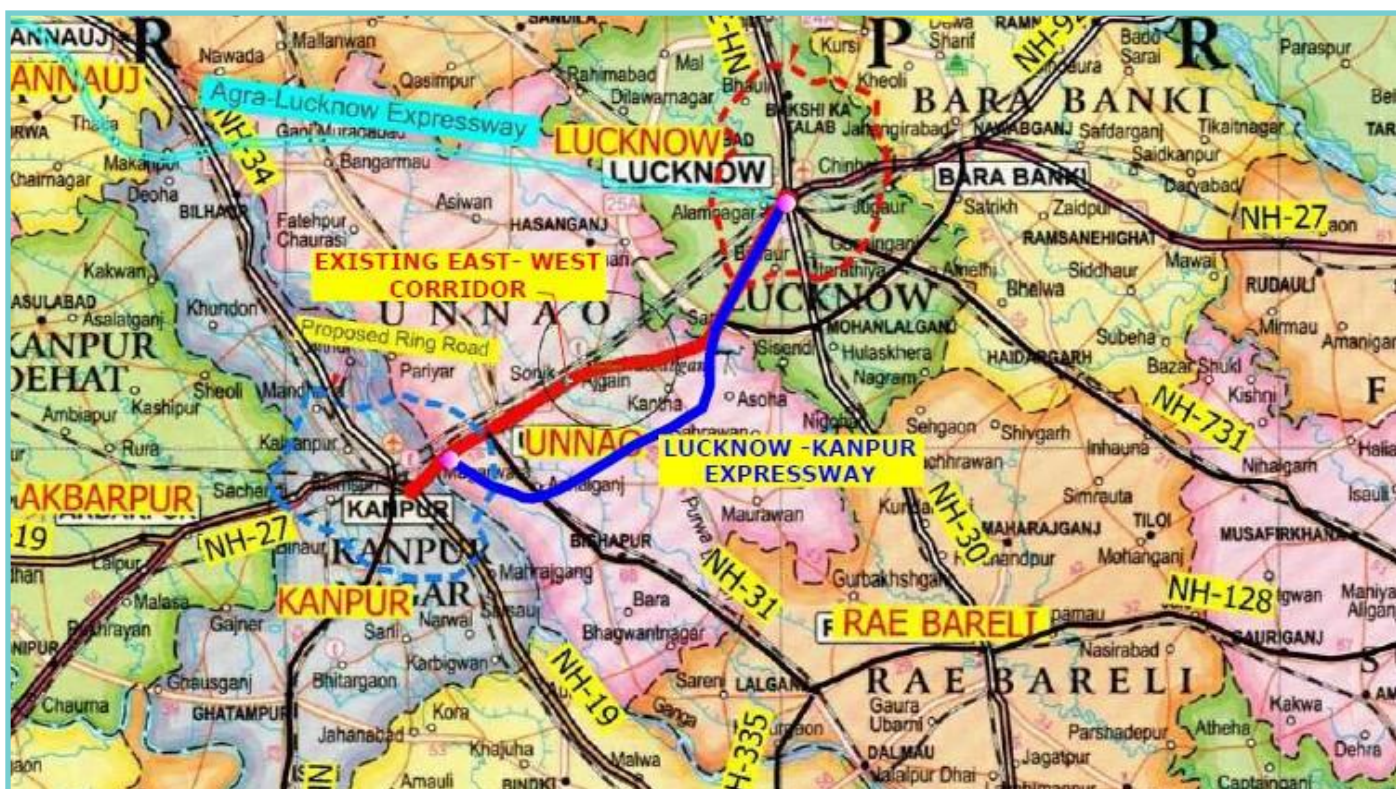
Bengaluru – Chennai EXP

Project Details	
Length (km)	262
Lane Status	6/8 Lane
Total Project Cost (Rs. Cr.)	16,730
Major Project Features	MB(64), ROB(4), LVUP(38), VUP(68), VOP(19)
Completion	FY25-26
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Fishing Clusters - Chennai Defense Corridors – Chennai, Hosur Electronic Manufacturing Clusters - Sriperumbudur, Bangalore, Thirupurumbudur Pharma & Medical Clusters – Bengaluru, Chennai, Textile Clusters – Bengaluru, Chittoor manufacturing cluster NICDC Nodes – Bengaluru Industrial Corridor SEZ – Bengaluru, Bellandur, Bhoganahalli, Borgunte, Byatarayanapura, Chokkanahalli, Devarabeesanahalli, Dooda Basvanahalli, Hoodi, Kaggadaspura, Kodathi, Kundalahalli, Mahadevapura, Marathalli, Rachenahalli, Sadaramangala, Varthur Hubli
Connectivity with major economic centers	Chittoor, Vellore, Ranipet, Kanchipuram and Thirvallur, Bengaluru (Rural), Kolar, Chennai
Impact on Logistics Efficiency	
Logistics Efficiency	Chittoor, Vellore, Ranipet, Kanchipuram and Thirvallur, Bengaluru (Rural), Kolar, Chennai
Connectivity for missing links	Connectivity for missing links
Other Impact	
Connectivity for missing links	Tourist places- Bangalore Palace, Bannerghatta National Park, Marina Beach and Mamallapuram, Tirupati, Vellore, Kolar, Kanchipuram, Bangalore, Chittoor, Kanchipuram and Chennai Religious Places- ISKCON temple in Bangalore, Kanchi Kailasanathar temple in Kancheepuram, Srikalahsati, Golden Temple, Kanipakam, Kailashanath Temple, Kolar, KGF, Vellore
Connectivity with key districts	Other key districts- Chittoor, Sriperumbudur, Kanchipuram, Vellore, Ranipet. Bangalore (Rural), Kolar, and Thirvallur



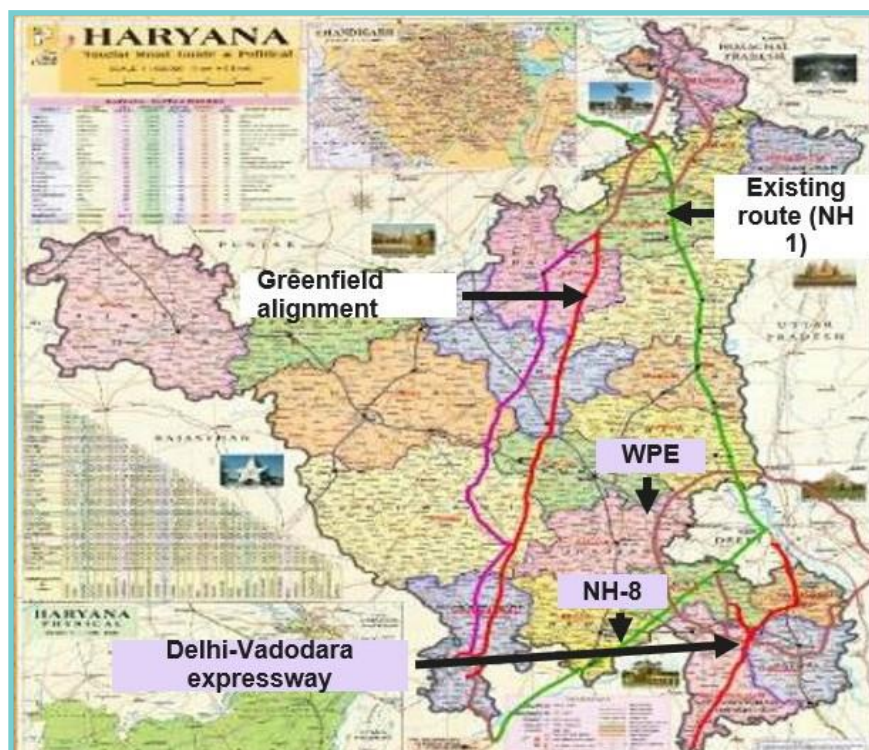
Kanpur – Lucknow EXP

Project Details	
Length (km)	63
Lane Status	6 Lane
Total Project Cost (Rs. Cr.)	4,063
Major Project Features	MB(4), ROB(1)
Completion	FY25-26
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks – Barabanki, Kanpur, Lucknow Fishing Clusters - Barabanki Defense Corridors – Kanpur, Lucknow NICDC Nodes – Kanpur
Connectivity with major economic centers	Kanpur Nagar, Unnao, Lucknow
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time - Reduced from 1 hr 30 mins to 45 mins Avg Travel Speed - 100km/hr
Connectivity for missing links	Kanpur, Unnao, Lucknow
Other Impact	
Connectivity with Social Points	Kanpur, Unnao, Lucknow
Connectivity with key districts	Kanpur, Unnao, Lucknow



Ambala – Kotputli

Project Details	
Length (km)	313
Lane Status	4/6 Lane
Total Project Cost (Rs. Cr.)	11,375
Major Project Features	MB(16), ROB(9), Flyover (9), Interchange (4)
Completion	Aug'22
Status	Completed (Opened to public traffic in Aug'22)
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	NICDC Nodes - Nagalchaudhari SEZ – Ambala
Connectivity with major economic centers	Ambala, Panipat, Delhi
Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in travel time from 6 hr to 3 hr Increase in speed from 60 km/h to 100 km/hr
Connectivity for missing links	The corridor acts as a bypass of the congested section of NH44 from Ambala and Delhi for traffic from HP Chandigarh, Ambala This expressway will also provide a link to Delhi-Vadodara-Mumbai Expressway between Manoharpur (NH8) – Dausa stretch
Other Impact	
Connectivity with Social Points	Tourist Places: Karnal, Kurukshetra, Bhiwani, Narnaul, etc.



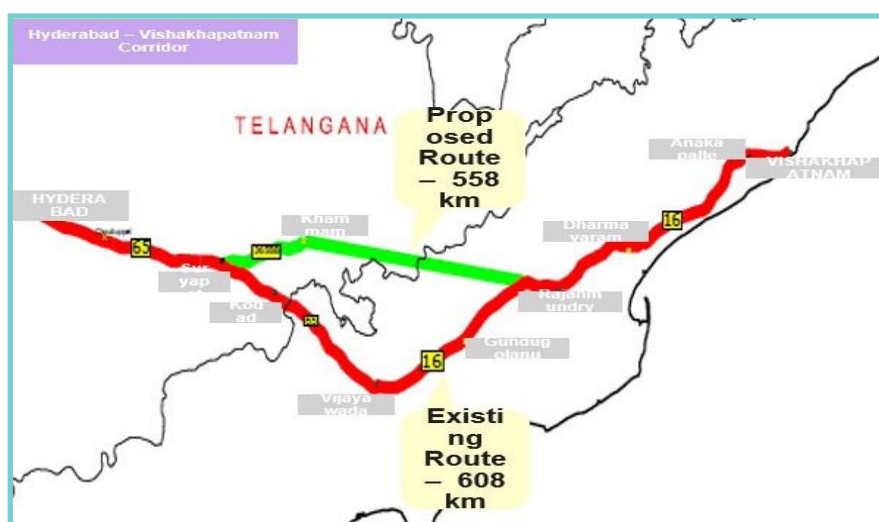
Raipur – Vishakhapatnam

Project Details	
Length (km)	465
Lane Status	4/6 Lane
Total Project Cost (Rs. Cr.)	16,513
Major Project Features	MB (62), ROB (5)
Completion	FY24-25
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks - Raipur Fishing Clusters – Raipur, Vishakhapatnam Electronic Manufacturing Clusters – Naya Raipur Pharma & Medical Clusters – Raipur, Vishakhapatnam Textile Clusters - Vishakhapatnam NICDC Nodes – Vishakhapatnam
Connectivity with major economic centers	Raipur, Vishakhapatnam
Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in travel time from 10 hr to 5 hr Increase in speed from 40 km/h to 100 km/hr
Connectivity for missing links	Provide seamless connectivity from the mining & mineral clusters in Chhattisgarh to Vishakhapatnam port and boost connectivity to Left Wing Extremism affected districts in the region
Other Impact	
Connectivity with Social Points	Tourist Places: Vishakhapatnam
Connectivity with key districts	Vishakhapatnam, Vizianagaram, Kanker, Kondagaon, Koraput and Dhamtari



Hyderabad – Vishakhapatnam

Project Details	
Length (km)	222 (Suryapet-Khammam-Devarapalle)
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	5,921
Major Project Features	MJB(12), MNB(70) & VUP(34), LVUP(19), SVUP(47) PUP(61), INTER CHANGE(8), ROB(1)
Completion	FY24-25
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks - Khammam Fishing Clusters - Vishakhapatnam Pharma & Medical Clusters - Vishakhapatnam Textile Clusters - Vishakhapatnam NICDC Nodes - Vishakhapatnam SEZ – Kakinada, Visakhapatnam
Connectivity with major economic centers	Suryapet, Khammam & Rajamahendravaram
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (6 hr -> 3 hr) Avg Travel Speed (50 km/h -> 80 km/hr)
Connectivity for missing links	Tourist Places: Polavaram Dam, Papikondalu, Rajamahendravaram Religious Places: Dwarka Tirumala, Goshpada Kshetram – Kovvvuru, Kotilingala Kshetram – Rajamahendravaram
Other Impact	
Connectivity with Social Points	Tourist Places: Polavaram Dam, Papikondalu, Rajamahendravaram Religious Places: Dwarka Tirumala, Goshpada Kshetram – Kovvvuru, Kotilingala Kshetram – Rajamahendravaram
Connectivity with key districts	Tribal District - Khammam Other key district – Suryapet, Khammam, West Godavari



Urban Extension Road II

Project Details	
Length (km)	75
Lane Status	6 Lane
Total Project Cost (Rs. Cr.)	7,010
Major Project Features	MB(1), ROB(2)
Completion	Mar'24
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	India International Convention Centre (IICC), Dwarka Mega Food Parks - Sonipat Pharma & Medical Clusters – Delhi, Sonipat
Connectivity with major economic centers	IGI Airport India International Convention Centre (IICC), Dwarka through Dwarka Expressway DSIIDC Industrial Area in Bawana DSIIDC Multilevel Hub in Rani Khara Industrial Area in Mundka Zone N, L & P1 in Delhi Master Plan
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (1 hr 48 mins -> 40 mins) Avg Travel Speed (35 km/h -> 100 km/hr)
Connectivity for missing links	Additional link to KMPE & NH-10 (Bahadurgarh bypass) in order to decongest. Linking of NH-44, NH-10 & NH-48
Other Impact	
Connectivity with key districts	North, North-West, West & South-West Delhi, Jhajjar, Sonapat



Chittoor Thatchur

Project Details	
Length (km)	116
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	4,754
Major Project Features	MB(4), ROB(2), Interchanges (8)
Completion	FY24-25
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks - Chittoor Fishing Clusters - Chennai Defense Corridors - Chennai Electronic Manufacturing Clusters – Chittoor, Tirupathi Pharma & Medical Clusters - Chennai NICDC Nodes – Chittoor
Connectivity with major economic centers	Chittoor, Tiruvallur
Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in travel time from 4 hr to 2 hr Increase in speed from 40 km/h to 100 km/hr
Connectivity for missing links	Provides connectivity to Bangalore – Chennai Expressway with the Chennai Peripheral Ring Road at Kannigaipair, direct access of Ennore port to Bengaluru and further west region
Other Impact	
Connectivity with Social Points	Tourist Places: Chennai Religious Places: Kanchipuram



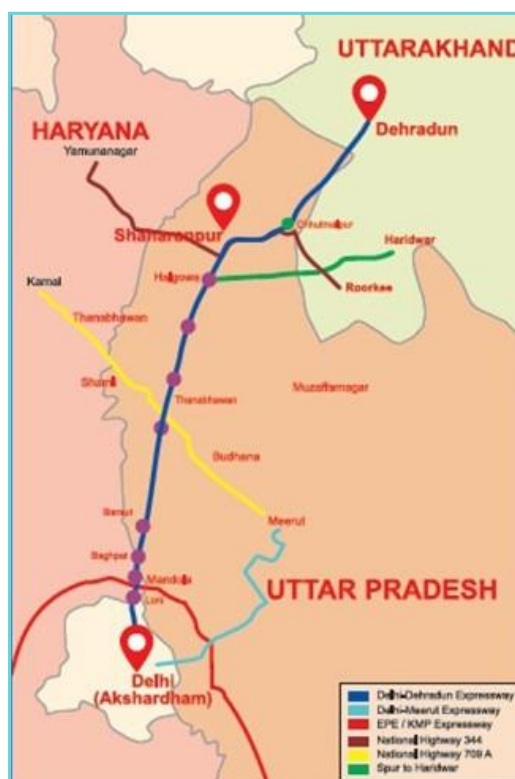
Bangalore Ring Road

Project Details	
Length (km)	280
Lane Status	4/6 Lane
Total Project Cost (Rs. Cr.)	11,022
Major Project Features	MB(3), ROB(7), Minor Bridges(34), RUB(1), Tunnel(1), By Passes(3), Culverts (249), VUP (29), LVUP(16), Overpass(4)
Completion	FY25-26
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Electronic Manufacturing Clusters and Automobile Hub industries – Bengaluru and Hosur Pharma & Medical Clusters - Bengaluru SEZ – Bengaluru and Hosur
Connectivity with major economic centers	Bangalore and Hosur
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (2hr -> 1.5hr) Avg Travel Speed (50km/h -> 100km/hr)
Connectivity for missing links	Bangalore-Chennai Expressway connects Bangalore Ring Road with Chennai Outer Ring Road.
Other Impact	
Connectivity with Social Points	Shivagange Temple, Savandurga hills, Ramdevarabetta vulture sanctuary, Sangama river point and mekedatu, Chunchi falls, Kabbalamma temple, Shravangabelagola, Mysore, Channapatna, Bellur and Halebedu, Nandi Hills.
Connectivity with key districts	Bangalore (Rural), Ramanagara, Bangalore (Urban) and Krishnagiri
Other Benefits	Bangalore Ring Road will provide connectivity to the proposed Multimodal Logistic Park at Dobaspet from Bangalore Chennai Expressway



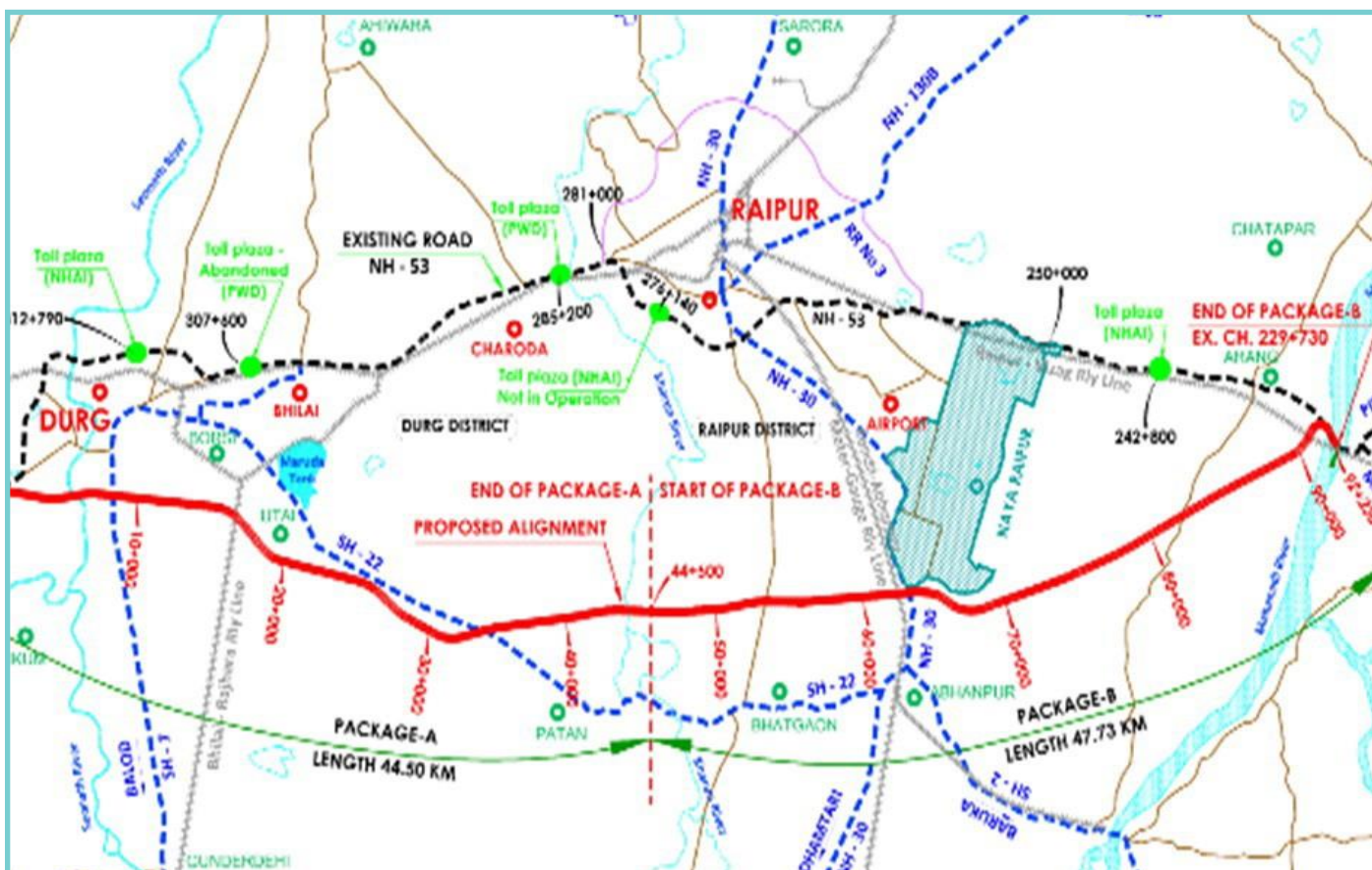
Delhi - Saharanpur - Dehradun

Project Details	
Length (km)	239
Lane Status	4/6 Lane
Total Project Cost (Rs. Cr.)	12,601
Major Project Features	MB(11), ROB(5), Interchanges (7)
Completion	FY24-25
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks - Haridwar Pharma & Medical Clusters – Dehradun, Paonta Sahib, Haridwar, Delhi
Connectivity with major economic centers	Delhi, Saharanpur, Haridwar, Dehradun
Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in travel time from 6 hr to 2.5 hr Increase in speed from 60 km/h to 100 km/hr
Connectivity for missing links	7 interchanges to connect to major cities like Haridwar, Shamli, Muzaffarnagar, Yamunanagar, Baghpat, Meerut & Baraut
Other Impact	
Connectivity with Social Points	Tourist Places: Rishikesh, Dehradun, Baghpat, Shamli, etc. Religious Places: Haridwar



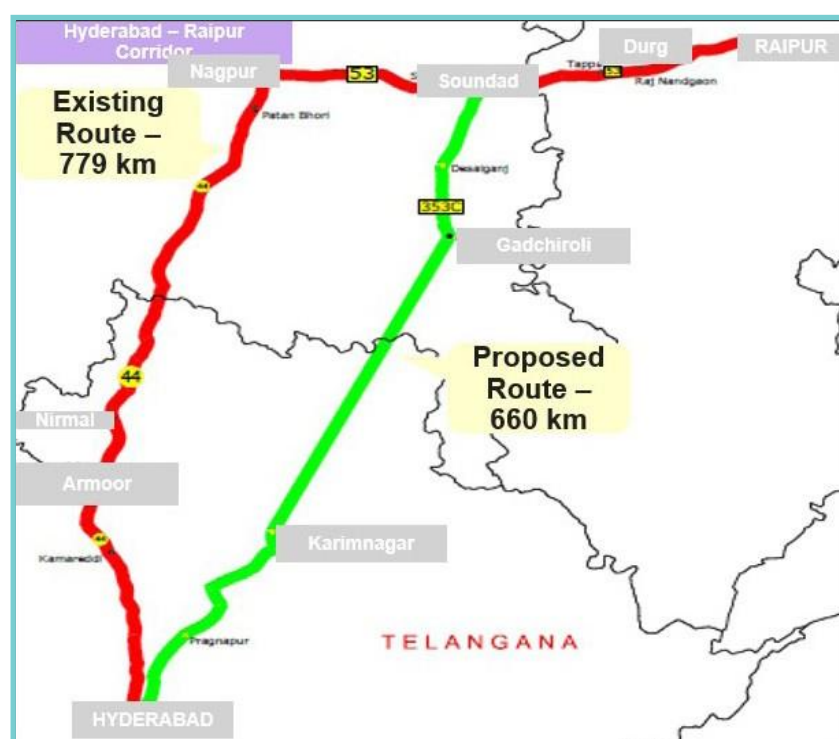
Durg Raipur Arang

Project Details	
Length (km)	92
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	3,333
Major Project Features	MB(6), RUB (4), Flyover (2)
Completion	FY25-26
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks - Raipur Fishing Clusters – Durg, Raipur Electronic Manufacturing Clusters – Naya Raipur Pharma & Medical Clusters – Raipur
Connectivity with major economic centers	Durg Raipur
Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in travel time from 3 hr to 1.25 hr Increase in speed from 35 km/h to 100 km/hr
Connectivity for missing links	Boosts connectivity in the Mumbai Kolkata Corridor and decongests the existing route



Hyderabad - Raipur

Project Details	
Length (km)	325 Km
Lane Status	4/6 Lane
Total Project Cost (Rs. Cr.)	13,130 Cr.
Major Project Features	MB(08), ROB(01), VUP(61), Interchange(03)
Completion	FY25-26
Status	Balance for award
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks - Raipur Fishing Clusters – Raipur Electronic Manufacturing Clusters – Hyderabad, Naya Raipur, Pharma & Medical Clusters – Hyderabad, Raipur Textile Clusters – Hyderabad
Connectivity with major economic centers	Hyderabad, Karimnagar, Mancheria, Peddapalli, Asifabad, Gadchiroli, Gondia, Raipur
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (7 hr -> 2.5 hr) Avg Travel Speed (40 km/h -> 80 km/hr)
Other Impact	
Connectivity with Social Points	Religious Places: Sri Satyanarayana Swamy Temple
Connectivity with key districts	Tribal District: Kumarambheem Asifabad District Other key district: Mancheria, Karimnagar District



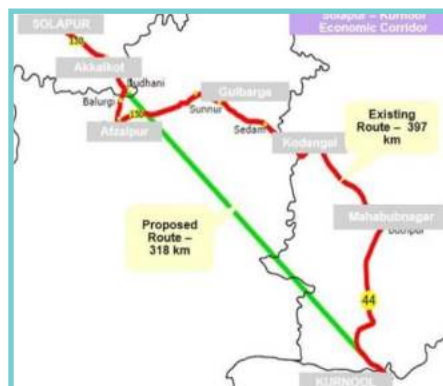
Surat - Nashik - Ahmednagar - Solapur

Project Details	
Length (km)	719
Lane Status	4/6 Lane
Total Project Cost (Rs. Cr.)	23,921
Major Project Features	MB(16), ROB(3), Tunnel (2)
Completion	FY25-26
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks – Nashik, Surat, Ahmednagar, Beed, Osmanabad, Solapur. Fishing Clusters – Surat Pharma & Medical Clusters – Surat, Solapur Textile Clusters – Surat, Solapur
Connectivity with major economic centers	Surat, Navsari, Valsad, Nashik & Ahmednagar, Beed, Osmanabad, Solapur, Karnataka State
Impact on Logistics Efficiency	
Logistics Efficiency	From Surat to Solapur (10 hrs to 06 hrs), (3 hr -> 4 hr) 90 km reduction in distance from Surat to Solapur From Surat to Solapur (40 km/h -> 80 km/hr), Avg Travel Speed (100 km/h -> 120 km/hr), Average per hour speed will increase by almost 50%
Connectivity for missing links	This project is part of Surat to Chennai Greenfield Corridor It reduces the total travel distance from Surat to Solapur. Surat-Nashik-Sangamner-Rahuri-Ahmednagar-Beed-Osmanabad-Solapur Average travel time to cover 100 Km distance will reduce from 1.5 hr. to 1 hr
Other Impact	
Connectivity with Social Points	Ahmednagar Fort, Chandbibi Mahal, Saputara, Daman, Silvassa (Via – Vadodara-Mumbai Expressway) Shirdi – Shree Saibaba Temple, Ambhabai Devi Temple (Tuljabhavani Osmanabad), Siddharameshwar Temple(Solapur), Akkalkot Swami Samarth Temple (Akkalkot)
Connectivity with key districts	Beed, Ahmednagar, Osmanabad, Solapur, Surat, Navsari, Valsad, Nashik, Ahmednagar, Valsad & Navsari, DNH & Daman



Solapur - Kurnool - Chennai

Project Details	
Length (km)	340
Lane Status	4/6 Lane
Total Project Cost (Rs. Cr.)	10,817
Major Project Features	MB(21), ROB(4)
Completion	FY25-26
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks – Chittoor, Kadapa Electronic Manufacturing Clusters – Chittoor, Tirupathi Textile Clusters - Nagari NICDC Nodes – Chittoor, Koparthy SEZ – Koduru, Kodur Pharmacy – Chikkasugur
Connectivity with major economic centers	Solapur, Narayanpet, Kurnool, YSR, Chennai, Gulbarga-D Ganagapur-Afzalpur –Jevargi, Kadlur-Shakti Nagar-Chikkasugur-Yaramas Shahapur-Managanal-Wadadgera-Bendebembli –Gonal
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (28 hrs-> 22 hr) Avg Travel Speed (50 km/h -> 80 km/hr)
Connectivity for missing links	Gulbarga-D Gangapur-Chinamgera-Afzalpur-Jevargi Shahapur-Managanal-Wadadgera-Bendebembli - Gonal Kadlur-Shakti Nagar-Chikkasugur-Yaramas
Other Impact	
Connectivity with Social Points	Tourist Places: Gadwal fort, Belum Caves, Nagarjunasagar Tiger Reserve, Kurnool Fort, Deval Ganagapur (Afzalpur Taluk, Kalaburagi) Religious Places: Chenna Kesava Swamy Temple, Yaganti Temple, Sri Jogulamba Bala Brahmeswra swamy Temple, Lord Dattatreya Temple, Goddess Margamma Temple, Sannati Temple, Devasugur – Lord Sugureshwar Temple, Gadwal – Goddess Jogulamba Temple,
Connectivity with key districts	Tribal District: Kurnool (20.25% Tribal Population) Other key district: Gadwal, Kurnool, Yadgir, Kalaburagi



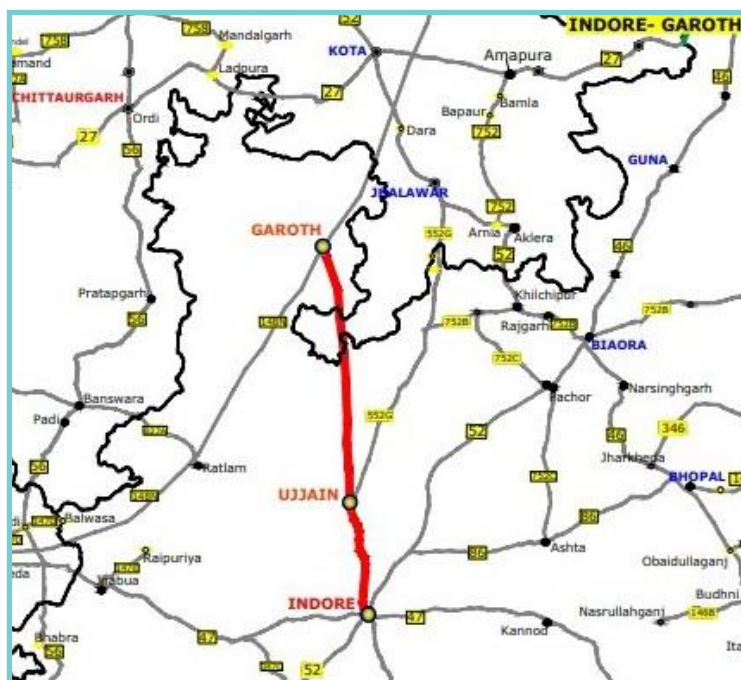
Kharagpur - Siliguri

Project Details	
Length (km)	235 Km
Lane Status	4/6 Lane
Total Project Cost (Rs. Cr.)	8,635 Cr (Tentative)
Major Project Features	Bridge>400m(5), ROB(4), Trumpet (2), Cloverleaf (1)
Completion	FY25-26
Status	Balance for award
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Fishing Clusters – East Midnapur Textile Clusters – Burdwan
Connectivity with major economic centers	Asansol, Durgapur & Dankuni
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (8 hr -> 3 hr) Avg Travel Speed (increased from 30 km/ hr to 120 km/hr)
Connectivity for missing links	The length of proposed greenfield alignment is 100 km shorter from existing Kharagpur – Moregram alignment through NH-6 & NH-34. The project road connects 4 nos important NHs i.e., NH-6, NH-2, NH-60 & NH-34.
Other Impact	
Connectivity with Social Points	Religious Places: Joyrambati
Connectivity with key districts	Tribal District: Bankura Other key districts: Asansol, Durgapur & Dankuni



Kota Indore (Garoth to Ujjain)

Project Details	
Length (km)	135
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	2,594
Major Project Features	MB(06), ROB(03)
Completion	FY24-25
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks – Kota, Indore Fishing Clusters - Indore Pharma & Medical Clusters - IndoreTextile Clusters – Ujjain, Indore SEZ – Indore
Connectivity with major economic centers	Mandsaur, Ujjain
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (05 hr -> 1.5 hr) Avg Travel Speed (60 km/h -> 100 km/hr)
Connectivity for missing links	It is a greenfield alignment connecting Ujjain, Agar-Malwa, Mandsaur & Jhalawar
Other Impact	
Connectivity with Social Points	Tourist Places- Indore Religious Places- Mahakal Temple Ujjain, Nalkheda Baglamuji Temple of Agar & Dharmrajeshwar Temple nearGaroth
Connectivity with key districts	Ujjain, Agat-Malwa, Mandsaur (MP), Jhalawar (Raj.)



Nagpur - Vijayawada

Project Details	
Length (km)	401 kms (TS / MH Border – Vijayawada)
Lane Status	4/6 Lane
Total Project Cost (Rs. Cr.)	22,632 Cr.
Major Project Features	MB(13), ROB(7), VUP(43), LVUP(4), PUP(74), SVUP(29), Flyover(5), Interchanges(7)
Completion	FY25-26
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks – Nagpur, Khammam, Wardha Fishing Clusters - Vijayawada Pharma & Medical Clusters - Vijayawada Textile Clusters – Wardha
Connectivity with major economic centers	Nagpur, Chandrapur, Mancherial, Peddapalle, Asifabad, Bhupalpally, Warangal, Mahabubad, Khammam, Krishna
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (8 hr -> 5 hr) Avg Travel Speed (50 km/h -> 80 km/hr)
Connectivity for missing links	-
Other Impact	
Connectivity with Social Points	Tourist Places: Shivaram Wildlife Sanctuary, Kaleshwaram Lift Irrigation Project. Khammam Fort, Kinnerasani Wildlife Sanctuary, Warangal Fort, Kush Mahal, Ramappa Lake, Pakhal Lake, Kinnerasani Dam. Religious Places: Sri Satyanarayana Swamy Temple, Thousand Pillar Temple, Warangal Fort, Sri Venkateswara Swami Temple, swami Ayyappa Temple, Ramappa Temple, Bhadrakali Temple
Connectivity with key districts	Tribal District: Mahabubabad (37.8% Tribal Population) Other key district: Warangal, Mahabubabad, Khammam, Hanamkonda, Mancherial, Peddapalle, Jayashankar Bhupalpally, Warangal



Amritsar Bhatinda Jamnagar

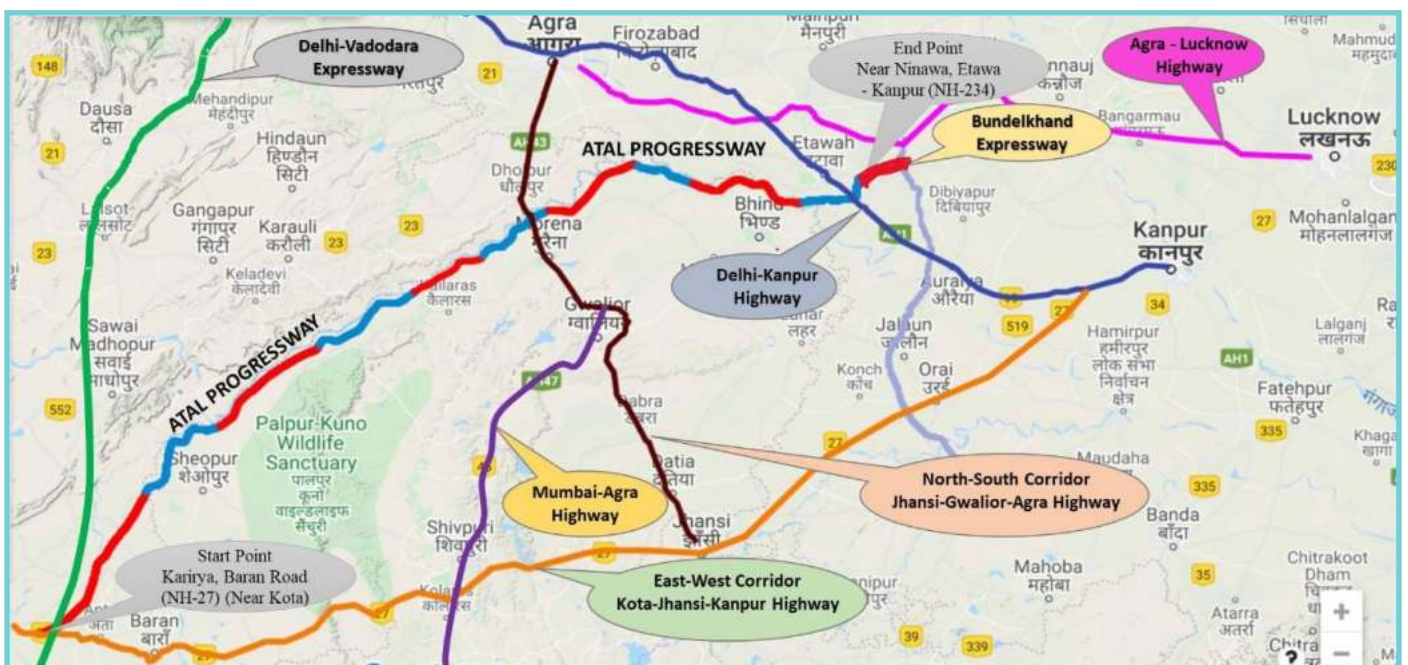
Project Details	
Length (km)	917
Lane Status	6 Lane
Total Project Cost (Rs. Cr.)	22,757
Major Project Features	Major Bridge (22), Minor Bridge (103), ROB (11), VUP(59), Interchanges (36)
Completion	FY24-25 (Rajasthan Section – Sep'23)
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National Master Plan Nodes	SEZs – Khara, Kutch, Mundra, Jamnagar Mega Food Park – Kapurthala, Banas Kantha, Kutch Fishing & Seafood Cluster – Sardar Sarovar Dam Pharma & Medical Cluster – Khara Electronic Manufacturing Centre - Mundra Textile Cluster - Kutch
Connectivity with major economic centers	Amritsar, Firozpur, Jodhpur, Kutch and Jamnagar



Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in distance by 16% from 1,456 km to 1,2254 km Increase in travel speed from 60 kmph to 100 kmph Reduction in fuel consumption by 11.76 Cr. ltr.
Connectivity for missing links	Provides connectivity to Sri Ganganagar, Hanumangarh, Bikaner, Jodhpur, Barmer, Jalore, Banaskantha, Patan in Gujarat.
Other Impact	
Connectivity with Social Points	Tourist Places: Amritsar, Bikaner, Jodhpur, Jamnagar, Kutch etc. Religious Places: Amritsar (Golden Temple), Bikaner (Seth Bhandasar Jain Temple, Karni Mata Temple)
Connectivity with key districts	Punjab: Amritsar, Kapurthala, Moga, Bhatinda, Haryana: Sirsa Rajasthan: Hanumangarh, Sri Ganganagar, Bikaner, Jodhpur, Barmer, Jalor Gujarat: Banas Kantha, Patan, Kutch, Morbi and Jamnagar
Other Benefits	Act as an important artery to connect the northern industrial & agricultural centers of the country with the key ports of western India like Jamnagar and Kandla

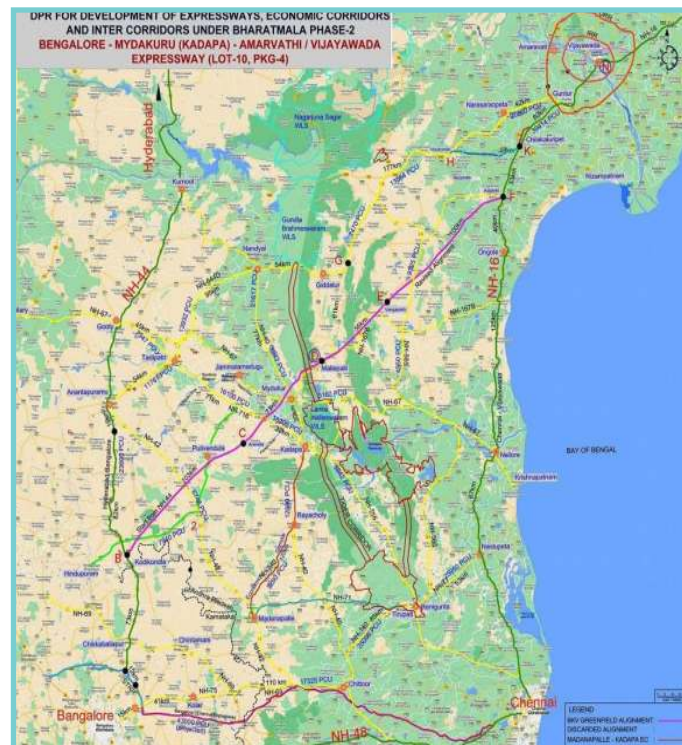
Kota Etawah

Project Details	
Length (km)	412
Lane Status	6/4 Lane
Total Project Cost (Rs. Cr.)	12,140
Major Project Features	Major Bridge (22), Minor Bridge (184), ROB (3), Flyover (2), VUP (13)
Completion	FY25-26
Status	Balance for Award
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Bhind, Etawah, Gwalior, Morena
Impact on Logistics Efficiency	
Logistics Efficiency	Provides high speed connectivity to the hinterland of Madhya Pradesh and Uttar Pradesh
Connectivity for missing links	Provides connectivity between the North South Corridor (NH-44), Delhi Mumbai Expressway and Bundelkhand Expressway
Other Impact	
Connectivity with Social Points	Tourist Places: Jagmandir Palace, Chambal Gardens, Gwalior Fort, Jai Vilas Palace, Gujari Mahal Religious Places: Gardia Mahadev Temple in Kota, Sun Temple in Gwalior
Connectivity with key districts	Madhya Pradesh: Morena, Bhind, Sheopur Uttar Pradesh: Etawah
Other Benefits	-



Bengaluru - Kadappa – Vijayawada

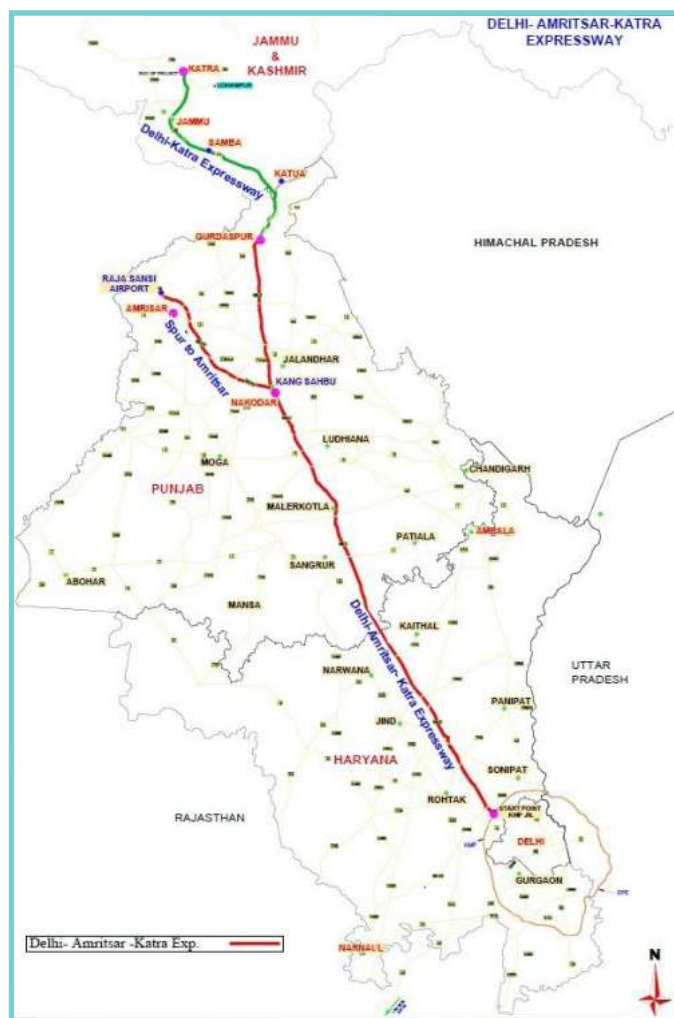
Project Details	
Length (km)	342
Lane Status	6 Lane
Total Project Cost (Rs. Cr.)	13,559
Major Project Features	Major Bridge (27), Minor Bridge (202), ROB (4), VUP (42), Interchanges (17), Tunnel(8 Km Combined length)
Completion	FY25-26
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National Master Plan Nodes	SEZs – Maddipadu, Naidupeta, Nellore, North Ammuluru, Tada, Vardaiha Palem, Kadappa Fishing Seafood Cluster – Prakasam, Vodarevu, Juvvaladinne, Nellore Mega Food Park - Kadappa Textile Clusters – Nagari, Nellore Electronic Manufacturing Centre – Sri City, Tirupathi Mega Food Park - Kadappa NICDIC Nodes – Krishnapatnam, Koparthy



Connectivity with major economic centers	Bengaluru, Nellore, Kadappa, Krishnapatnam, Vijayawada, Tirupathi
Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in travel distance by 75 km Reduction in travel time from 12 hours to 7 hours
Connectivity for missing links	Connects Andhra Pradesh's state Capital with North-South Corridor while connecting NH-42, NH-40, NH-60, NH-716G, NH-67, NH-167N, NH- 565 and NH-16 on the east coast
Other Impact	
Connectivity with Social Points	Tourist Places: Lalbagh Botanical Garden, Banerghatta National Park, Cubbon Park, Gandikota Fort, Grand Canyon of India, Undavalli Caves, Prakasam Barrage, Bahvani Island, Victoria Jubilee Mueseum Religious Places: ISKCON Temple, Bengaluru, Veerbhadra Swamy Temple, Gandhi Sir Ajaneya Temple, Ameen Peer Dargah
Connectivity with key districts	Sri Satya Sai, YSR Kadappa, SPS Nellore, Prakasham, Bapatla
Other Benefits	Connects industrial regions of Andhra Pradesh like Vijayawada with IT hubs of Bengaluru through underdeveloped regions of central and southern Andhra Pradesh

Delhi – Amritsar – Katra

Project Details	
Length (km)	669
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	37,524
Major Project Features	Major Bridge (53), Minor Bridge (233), ROB (23), VUP (98), Flyovers (39), Interchanges (40)
Completion	FY25-26 (Haryana Section by Mar'24)
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National Master Plan Nodes	SEZ – Sonipat Pharma and Medical Cluster – Sonipat Textile Clusters – Ludhiana, Amritsar, Kathua Mega Food Park – Rohtak, Sonipat, Ludhiana, Jalandhar, Kapurthala Fishing Seafood Clusters – Kathua, Samba, Jammu NICDIC Nodes - Patiala
Connectivity with major economic centers	Delhi, Rohtak, Sonipat, Sangrur, Patiala, Jalandhar, Ludhiana, Mohali, Kapurthala, Jammu



Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in distance between Delhi & Katra from 640 km to 600 km Reduction in travel time from 12 hour to ~7 hour Increase in travel speed from 60 kmph to 100 kmph
Connectivity for missing links	Connects UER, NH-152D, NH-44, NH-152, NH-5 and NH-7
Other Impact	
Connectivity with Social Points	Tourist Places: Amritsar, Religious Places: Katra (Shri Mata Vaishnodevi), Amritsar (Golden Temple), Taran Tarn, Sultanpur Lodhi, Goindwal Sahib, Khadoor Sahib, Kartarpur Sahib International Corridor
Connectivity with key districts	Haryana: Jhajjar, Rohtak, Sonipat, Jind, Kaithal Punjab: Sangrur, Taran Tarn, Patiala, Ludhiana, Jalandhar, Pathankot, Gurdaspur, Amritsar, Kapurthala, Pathankot Jammu & Kashmir: Kathua, Samba, Jammu, Reasi
Other Benefits	Provides connectivity between religious centres like Katra and Amritsar with Delhi while providing high speed transport option to industrial clusters like Ludhiana and Jalandhar

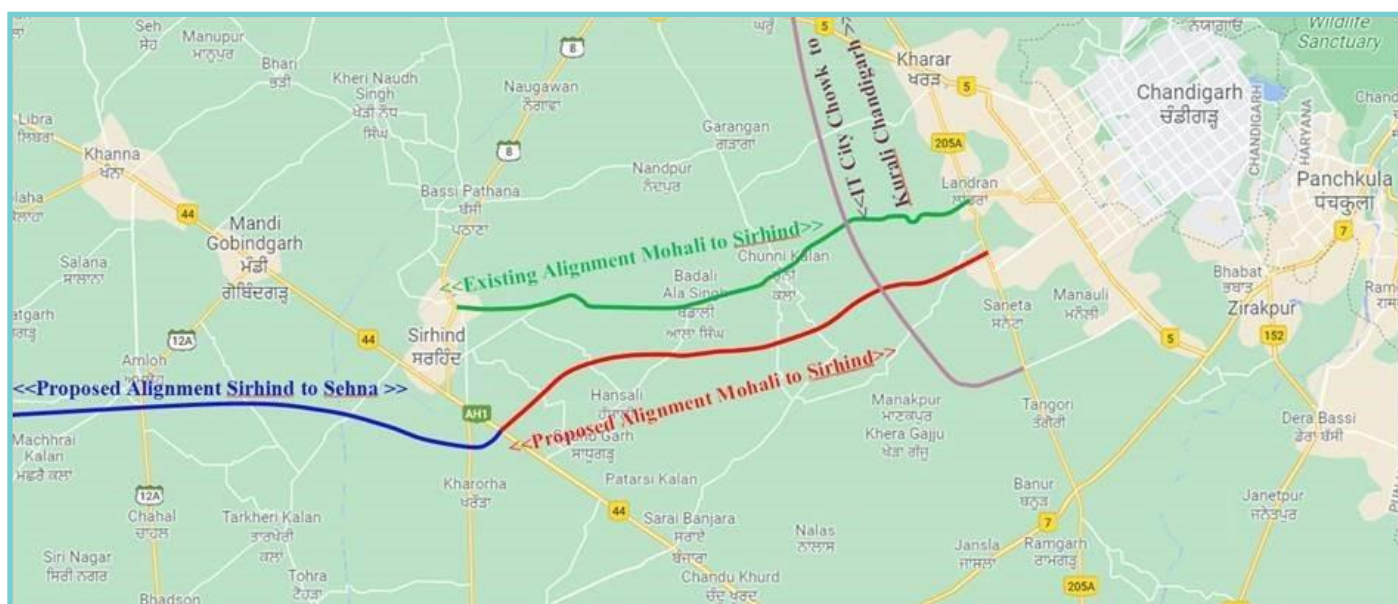
Indore - Hyderabad

Project Details	
Length (km)	525
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	13,759
Completion	FY24-25
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	SEZ – Indore, Akola, Nanded, Medak, Sangareddy Pharma & Medical Cluster – Indore, Medak, Sangareddy Textile Cluster – Indore, Burhanpur, Hingoli Fishing Cluster – Indore, Washim Mega Food Park – Indore, Khargone, Nanded, Medak Electronic Manufacturing Centre – Nanded, Medak NICDIC Node - Sangareddy
Connectivity with major economic centers	Indore, Akola, Khargone, Medak, Sangareddy, Hyderabad
Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in travel distance from 954 km to 783 km resulting in saving of 6.3 Cr. ltr of fuel annually Reduction in travel time from 16 hours to 7 hours
Connectivity for missing links	Connects NH-347B, NH- 53, NH-753C, NH-63, NH-65 and Hyderabad Regional Ring Road
Other Impact	
Connectivity with Social Points	Tourist Places – Rajwada Palace, Sarafa Market, Patalpani Waterfall, Indrasagar Dam, Charminar, Golconda Fort, Ramoji Film City, Chowmahala Palace Religious Places – Kjarana Ganesh Temple, Shri Omkareshwar Jyotirlinga, Gauri Somnath Temple, Birla Mandir
Connectivity with key districts	Madhya Pradesh: Indore, West Nimar, East Nimar, Burhanpur Maharashtra: Buddana, Akola, Washim, Hingoli, Nanded Telangana: Kamareddy, Medak, Sangareddy



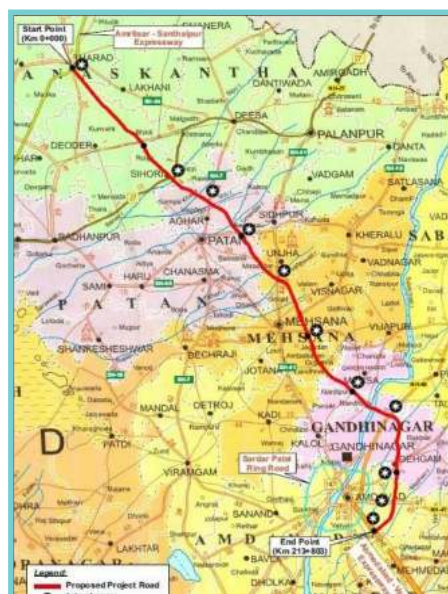
Mohali - Sirhind - Khanna Bypass - Malerkotla – Barnala

Project Details	
Length (km)	108
Lane Status	4/6 Lane
Total Project Cost (Rs. Cr.)	2,111
Major Project Features	Major Bridge (6), Minor Bridge (23), ROB (3), VUP (40), Flyovers (2), Interchanges (7),
Completion	FY25-26
Status	Balance for Award
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Textile Cluster - Barnala
Connectivity with major economic centers	Barnala, Khanna, Mohali, Ludhiana
Impact on Logistics Efficiency	
Logistics Efficiency	Reduction in travel distance from 150 km to 108 km Reduction in travel time from 2.5 hours to 1.5 hours Increase in travel speed from 60 kmph to 100 kmph
Connectivity for missing links	Connects NH-44, NH-205A, NH-7 and NH-05 (Delhi Amritsar Katra Expressway)
Other Impact	
Connectivity with Social Points	Tourist Places – Chandigarh, Mohali War Memorial, Mohali International Stadium, Siswan Dam Religious Places – Gurudwara Amb Sahib, Gurudwara Wadda Gahlughara Sahib, Gurudwara Nankiana Sahib
Connectivity with key districts	Sangrur, Fatehgarh Sahib, Barnala



Sanchore - Deesa - Mehsana – Ahmedabad

Project Details	
Length (km)	212
Lane Status	6 Lane
Total Project Cost (Rs. Cr.)	7,790
Major Project Features	Major Bridge (23), Minor Bridge (57), ROB (8), VUP (16), Flyovers (20), Interchanges (11)
Completion	FY 25-26
Status	Balance for Award
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	SEZ – Gandhinagar, GIFT, Kob, Ahmedabad, Chachanvadi, Chharodi, Kalyangadh, Ognaj, SG Highway, Pharma & Medical Cluster – Ahmedabad Fishing Cluster – Banas Kantha Mega Food Park – Banas Kantha Textile Cluster – Ahmedabad Electronic Manufacturing Centre – Dholera NICDIC Nodes - Dholera
Connectivity with major economic centers	Ahmedabad, Dholera, Mehsana
Impact on Logistics Efficiency	
Connectivity for missing links	Connects with NH-754K (Amritsar Bhatinda Jamnagar Corridor), NH-27, NE-1, NH-68 and NH-48
Other Impact	
Connectivity with Social Points	Tourist Places: Kankaria Lake, Sabarmati River Front, Gandhi Ashram, Adalaj Step Wall, Sarita Udyan, Puneet Van, Sant Sarovar Dam, Bindu Sarovar, Jessore Sloth Bear Sanctuary Religious Places: ISKCON Temple, Ahmedabad, Hathee Singh Jain Temple, Akshardham Temple, Loteswar Mahadev Temple
Connectivity with key districts	Banas Kantha, Patan, Mehsana, Gandhinagar, Ahmedabad



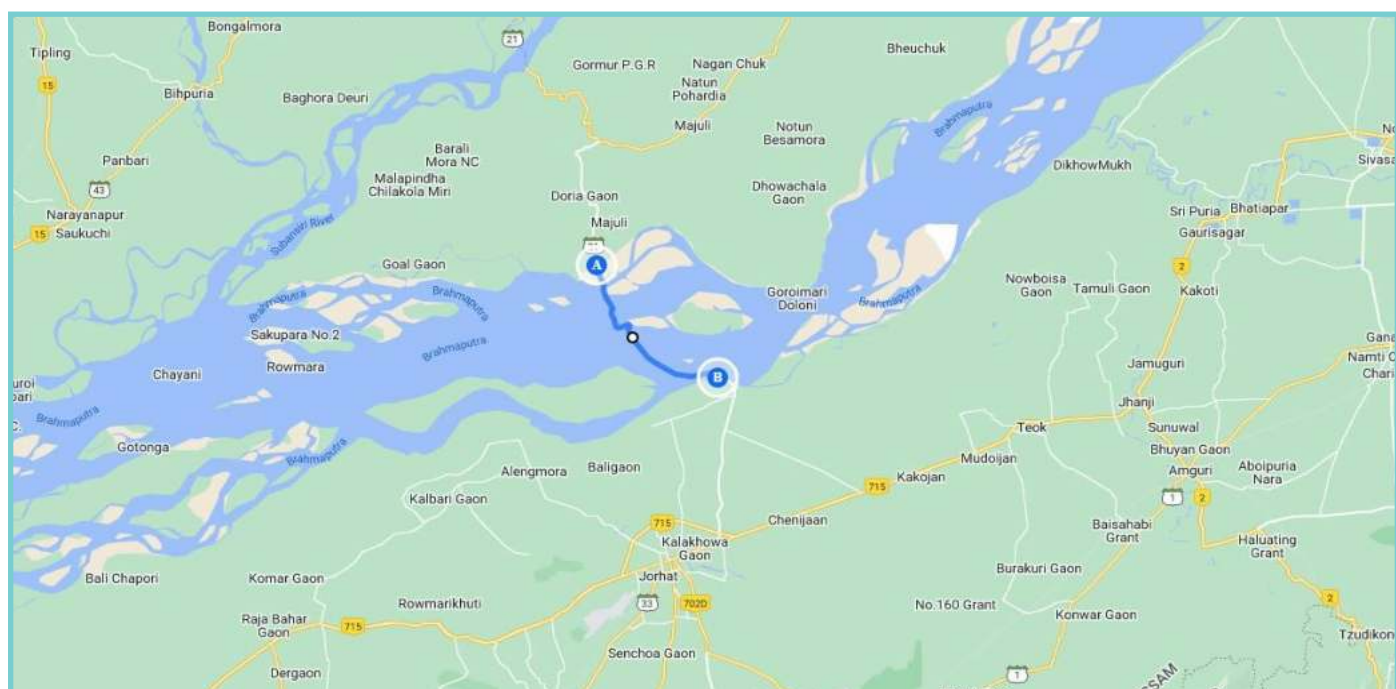
New 2-Lane Bridge with its approaches from km 0+000 to km 4+385 across RiverBrahmaputra on NH-17 at Jogighopa

Project Details	
Length (km)	4.4
Lane Status	2 Lane
Total Project Cost (Rs. Cr.)	746.8
Major Project Features	MB(1- 2.345 km); Viaduct (2 – 0.05 km + 1.4 km on either side)
Completion	01-Dec-24
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Fishing Sea Food Cluster – Goalpara
Connectivity with major economic centers	Bridge alignment falls in Bongaigaon & Goalpara Districts of Assam
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (20 min -> 10 min) Avg Travel Speed (40 kmph -> 80 kmph)
Other Impact	
Connectivity with Social Points	Manas National Park, Guwahati Various places in Lower Assam
Connectivity with key districts	Aspirational District – Baksa, Dhubri Other Districts - Bongaigaon, Kamrup
Other Benefits	-



2-lane major bridge including approaches over Brahmaputra between Majuli on North Bank and Jorhat on South Bank

Project Details	
Length (km)	8
Lane Status	2 Lane
Total Project Cost (Rs. Cr.)	925
Major Project Features	Major Extradosed Bridge length = 6.813 km, approach road 1.212 Km
Completion	July 2025 (Target Date)
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with major economic centers	Jorhat , North Lakhimpur
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time {1 hr -> 0.13 hr(8 mins)}Avg Travel Speed (8 km/h -> 60 km/hr)
Connectivity for missing links	Only road connectivity to Largest River Island (Majuli) which was earlier connected through Ferry. Provides shorter connectivity between Jorhat & North Lakhimpur
Other Impact	
Connectivity with Social Points	Majuli Island being a UNESCO World Heritage site is a prime destination for cultural tourism. The place is also important for Vaishnavite culture having many sattras which is having major religious importance.
Connectivity with key districts	Tribal Districts - Majuli Other Districts – Jorhat



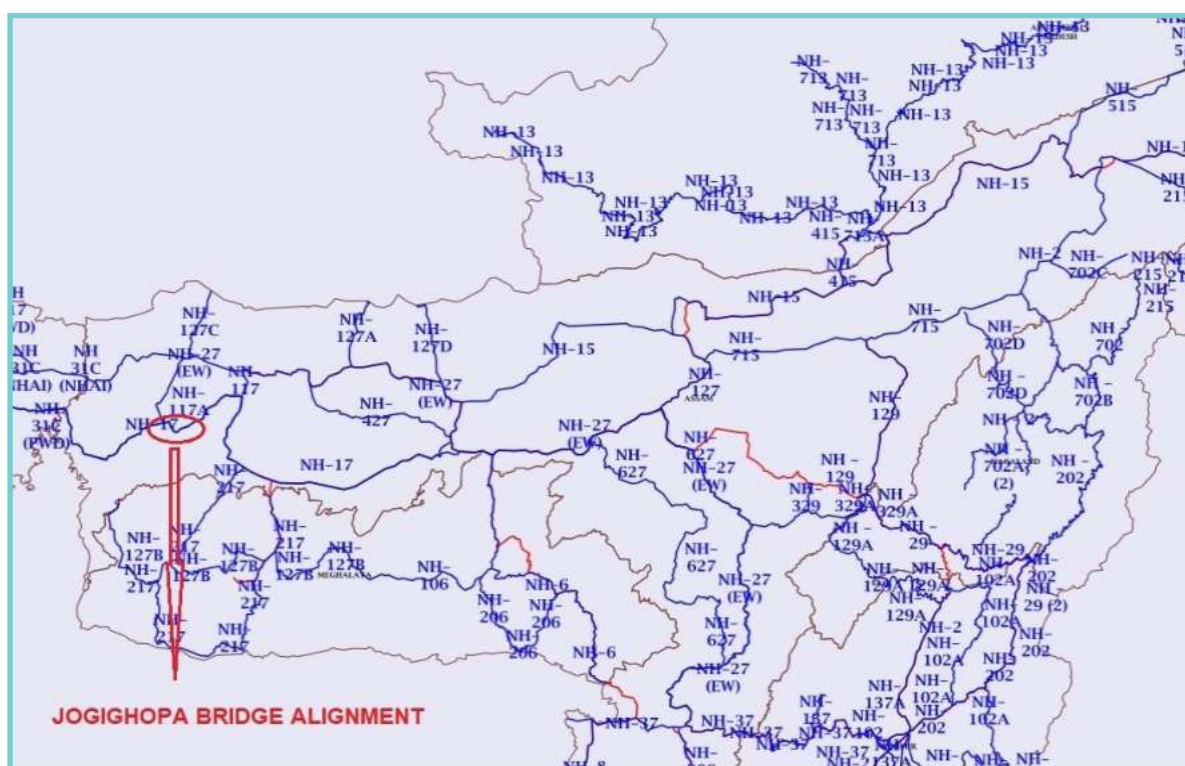
Major Bridge across River Kosi at Phulaut

Project Details	
Length (km)	29
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	1,478
Major Project Features	Major Bridge: 1 (6.93 km)
Completion	June 2024 (Target Date)
Status	Under Implementation
Impact on Logistics Efficiency	
Connectivity for missing links	30 km long gap between Udakishanganj and Bihpur thereby providing connectivity between Nepal/ North Bihar/ East-West Corridor and South Bihar/ Jharkhand/ Golden Quadrilateral
Other Impact	
Connectivity with key districts	Madhepura (Udakishanganj), Bhagalpur (Bihpur)



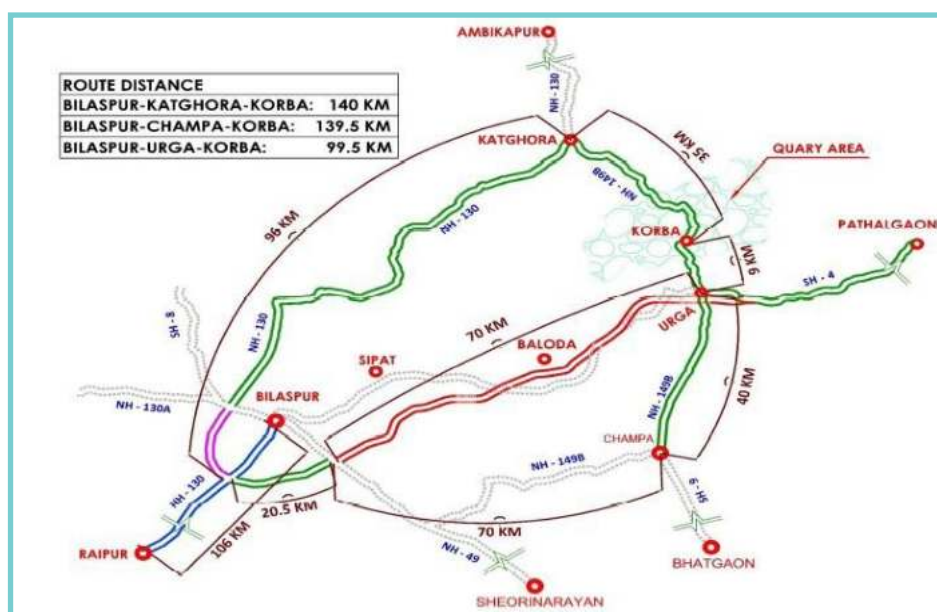
Bridge over river Brahmaputra between Dhubri (Assam) and Phulbari (Meghalaya) on NH-127B

Project Details	
Length (km)	19.3
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	4,997
Major Project Features	MB(1- 12.7 km); Viaduct(2- 3.5 km & 2.2 km on either side)
Completion	01-Sep-28
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with major economic centers	Bridge alignment falls in Dhubri, South Salmara Mankachar Districts of Assam & West Garo Hills District of Meghalaya
Impact on Logistics Efficiency	
Logistics Efficiency	Distance between Dhubri to Phulbari (205 km -> 20km)Avg. Travel Time (7 hr -> 0.5 hr) Avg. Travel Speed (40 kmph -> 80 kmph)
Connectivity for missing links	Provides shortest link between western regions of Meghalaya& rest of the country
Other Impact	
Connectivity with Social Points	West Garo Hills, Meghalaya Various places in Lower Assam
Connectivity with key districts	Baksa, Dhubri, South Salmara Mankachar, Bongaigaon
Other Benefits	Eases mobilization of strategic forces along the international borders



Bilaspur – Urga section of NH-130A under the Raipur–Dhanbad Economic Corridor

Project Details	
Length (km)	70.2
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	2,192
Major Project Features	MB (6), ROB (2)
Completion	July 2024 (Target Date)
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Mega Food Parks – Bemtara Fishing Cluster – Bilaspur
Connectivity with major economic centers	Raipur (State Capital) Urga (Major Mining area)
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (02 Hrs to 45 minutes) Avg Travel Speed (40 km/h to 100 km/hr)
Other Impact	
Connectivity with key districts	Bilaspur, Janjgir-Champa & Korba Mention Tribal District- Korba Mention other key district-Bilaspur & Janjgir Champa
Other Benefits	The major traffic in the project influence area is bound to Korba. Currently, due to bad condition and narrow width, the traffic between Bilaspur and Urga/Korba are using NH- 130 (Bilaspur-Katghora road) and NH-149B (Bilaspur-Champa Road) parallel to the said project. Since the project road is shortest route between Bilaspur and Urga/Korba, the traffic on other parallel roads will be diverted onto project road andthe distance between Bilaspur to Korba will be reduced by ~40Km



Four Lane green field road to Krishnapatnam Port from Naidupeta in the State of Andhra Pradesh

Project Details	
Length (km)	34.9
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	1,399
Major Project Features	MB – 1 No. on Swarnamukhi River
Completion	01-Oct-24
Status	Balance for award
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	NICDIC Node – KrishnapatnamFishing – Nellore SEZ – Nellore, Naidupeta, VCIC, Menakur Textile Cluster – Nellore
Connectivity with major economic centers	KRIS City
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (45 min to 30 min) Avg Travel Speed (50 kmph to 100 Kmph)
Other Impact	
Connectivity with Social Points	Avg Travel Time (45 min to 30 min) Avg Travel Speed (50 kmph to 100 Kmph)
Connectivity with key districts	Avg Travel Time (45 min to 30 min) Avg Travel Speed (50 kmph to 100 Kmph)
Other Benefits	The proposed project is aimed for GatiShakti-Industrial corridor



Amas- Darbhanga Greenfield Connectivity Highway

Project Details	
Length (km)	200
Total Project Cost (Rs. Cr.)	7,220
Major Project Features	MJB (17), MNB (77) ROB(06), Flyover (21), VUP (23) , SVUP(41), LVUP(74)
Completion	01-Oct-25
Status	Under Implementation
Synergy with PM GatiShakti	
Connectivity with National MasterPlan Nodes	Connecting Golden Quadrilateral to East –West Corridor via Patna Ring Road in Bihar State
Connectivity with major economic centers	It is connecting the Capital City of Bihar, Patna to Gaya, Samastipur & Darbhanga.
Impact on Logistics Efficiency	
Logistics Efficiency	Avg Travel Time (6.5 hr -> 3.00 hr) Avg Travel Speed (40 km/h -> 80 km/hr)
Connectivity for missing links	Connecting Gaya International Airport to Jehanabad & Nalanda districts in South Bihar and Darbhanga Airport to Buddhist Circuit in Vaishali & Samastipur districts.
Other Impact	
Connectivity with Social Points	Tourist places: Gaya, Nalanda, Patna, Vaishali
Connectivity with key districts	Gaya, Jehanabad, Nalanda, Patna, Vaishali, Samastipur, Darbhanga
Other Benefits	Providing smooth connectivity of South Bihar & Jharkhand to North Bihar and North-Eastern States via Ring Road & 6-lane bridge on River Ganga. This will provide major inter-corridor economic connectivity.



Construction of New Bridge on River Ganga parallel to vikramsila at Bhagalpur, Bihar

Project Details	
Length (km)	6.2
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	1,110
Major Project Features	Major Bridge: 1 (4.6 km)
Completion	2026 (Target Date)
Status	Under Implementation
Other Impact	
Other Benefits	Connects two major Nation Highways NH-80 towards SouthBank and NH-31 towards North Bank Eases traffic movement and eliminates congestion during peak hours



Bridge parallel to JP Setu on River Ganga

Project Details	
Length (km)	7
Lane Status	4 Lane
Total Project Cost (Rs. Cr.)	3,064
Major Project Features	Major Bridge: 1 (4.6 km)
Completion	April 2026 (Target Date)
Status	Under Implementation
Other Impact	
Connectivity with Social Points	Saran
Other Benefits	<p>Connects North & South Bihar through newly declared NH-139W</p> <p>Connects two major National Highways NH-31, NH-139 & NH-922</p> <p>Eases movement on traffic on AIIMS-Digha Elevated corridor, Gangapath Corridor, R-Block Digha Road</p>





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