PM GatiShakti National Master Plan

Key features of PM GatiShakti NMP

- "Transformative approach" to infrastructure development for improved logistics efficiency.
- Infrastructure and planning related data layers from Central Ministries and States/UTs.

Integrated Infrastructure Development

- GIS based digital platform for planning of multimodal infrastructure connectivity.
- Strategic logistics assets / infrastructure & planning related data layers.
- Master portal and individual portals for central ministries, states/UTs being developed.
- Decision making and planning tools.

Department of Commerce
Ministry of Commerce and Industry
Government of India

Uses of PM GatiShakti NMP

PM GatiShakti
National Master Plan for Multi-Modal connectivity

- Infrastructure & economic ministries can visualise existing & ongoing projects & identify critical infra gaps.
- Projects can be planned on the platform.
- Decision making/ approvals, cost estimations & NOC through Tools.
- Dynamic Dashboards facilitate monitoring of the projects.

Governance Framework

Logistics Division, M/o Commerce & Industry

Empowered Group of Secretaries (EGoS)

- Under the Chairmanship of Cabinet Secretary.
- To review ,consider & approve any changes in Master Plan.

Network Planning Group (NPG)

- Heads of Network Planning Division from various connectivity infrastructure Ministries/Departments.
- To examine proposals & ensure unified planning, integration, optimization.
- To monitor all interventions in the Master Plan which will be updated by BISAG-N.

Technical Support Unit (TSU)

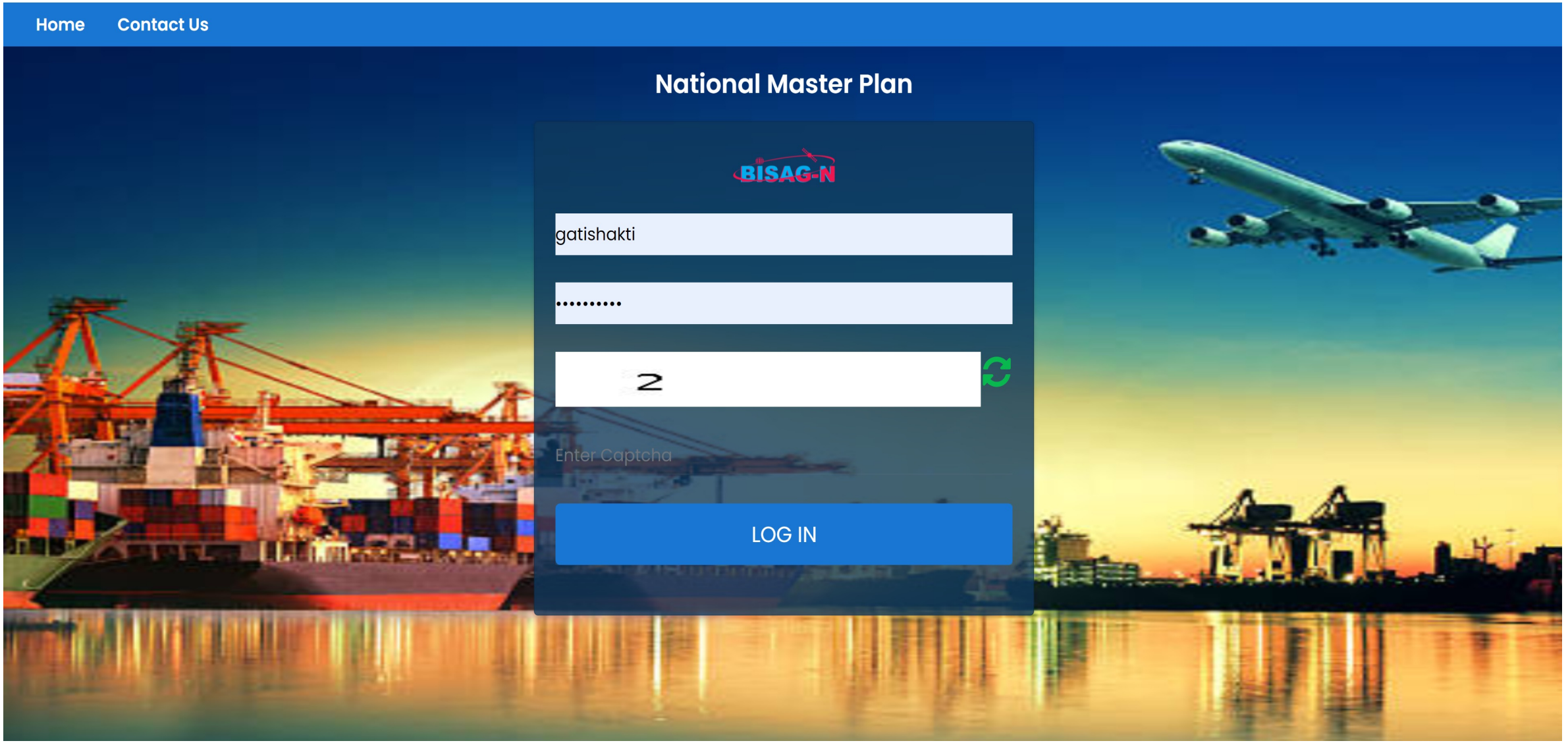
- Group of Domain / Subject Matter Experts.
- To assist Logistic Division in performing its role as Secretariat to EGoS.

PM GatiShakti National Master Plan

Ministry of Commerce & Industry
Government of India

Login Page

PM GatiShakti
National Master Plan for Multi-Modal connectivity



Ministry of Commerce & Industry
Government of India

Home Page

PM GatiShakti
National Master Plan for Multi-Modal connectivity

National Master Plan

Satellite images
Administrative Boundaries
Thematic layers

- High Resolution Image
- Administrative Boundary
- Economic Zones
- Infrastructure
- Utilities
- Multimodal Project
- Approval And Clearance
- Land Acquisition
- Logistics
- Forest
- Others
- Up Comming Project...

500 km

© 2021 Developed by BISAG-N

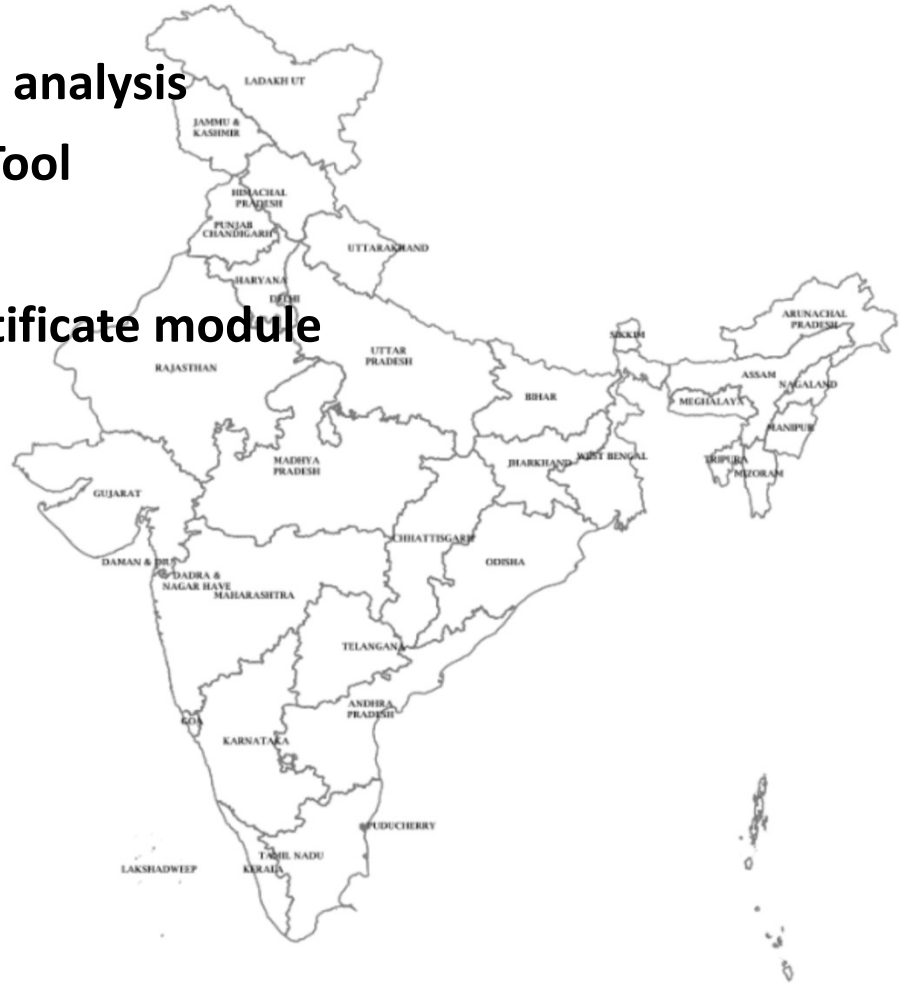
Ministry of Commerce & Industry
Government of India

Home Page

PM GatiShakti
National Master Plan for Multi-Modal connectivity

National Master Plan

- Navigation
- Swipe Tool for Temporal analysis
- Add New Project/Data Tool
- Go / No Go Tool
- NOC - No Objection Certificate module
- Proximity Tool
- Query Module
- Print Module
- Dynamic Dashboard
- 3D Visualisation
- Legend



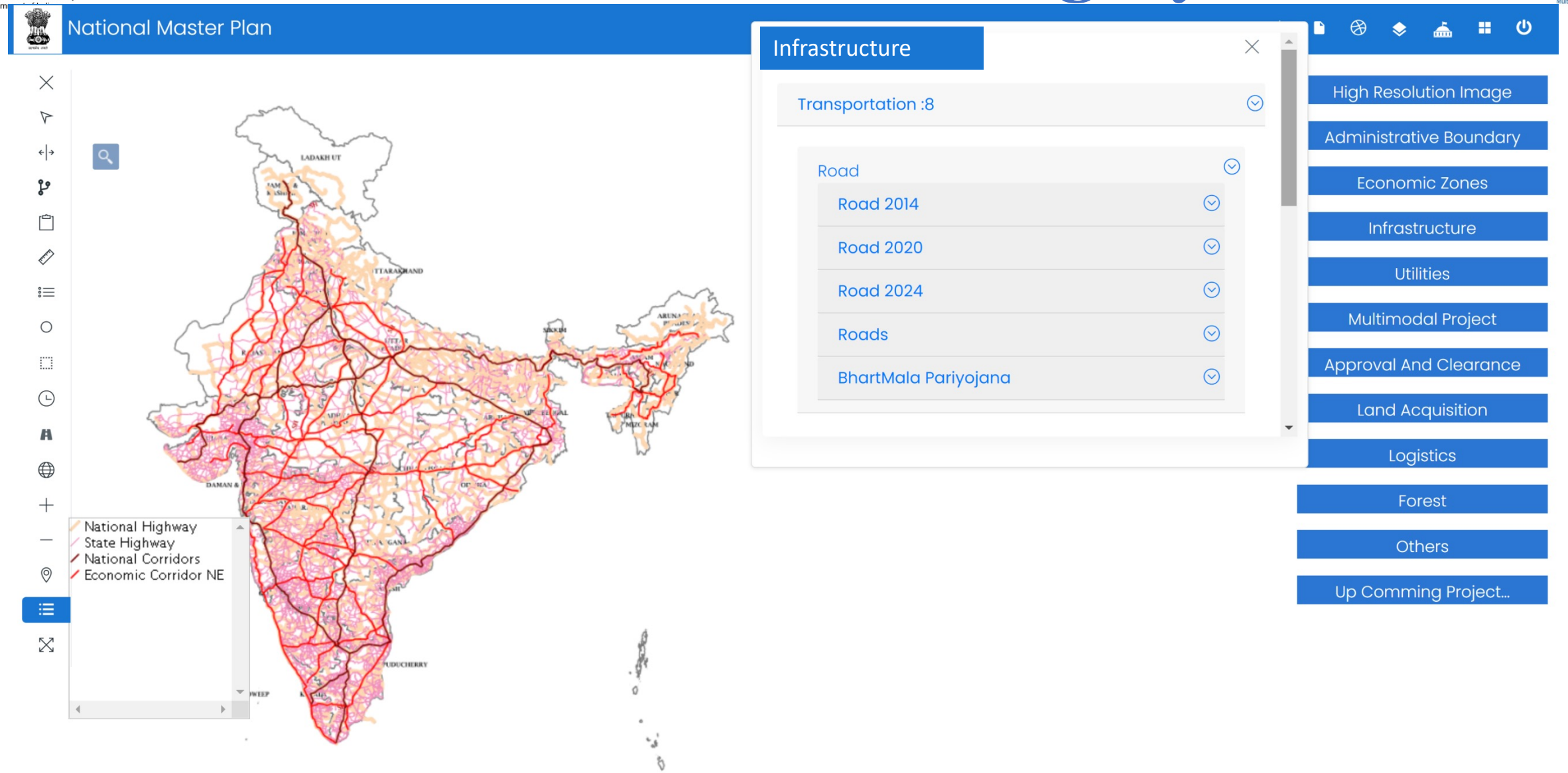
500 km

Ministries Wise Layers

- Telecom
- Railways
- Power
- Tourism
- Road Transport and Highway
- Petroleum and Natural Gas
- New and Renewable Energy
- Energy Sector
- Commerce & Industries
- Consumer Affairs, Food and Public Distribution
- Fisheries and Coastal Affairs
- Mining & Coal
- Food Processing Industries
- Electronics and Information Technology
- Civil Aviation
- Port, Shipping & Waterways
- Micro, Small and Medium Enterprises (MSMEs)

© 2021 Developed by BISAG-N

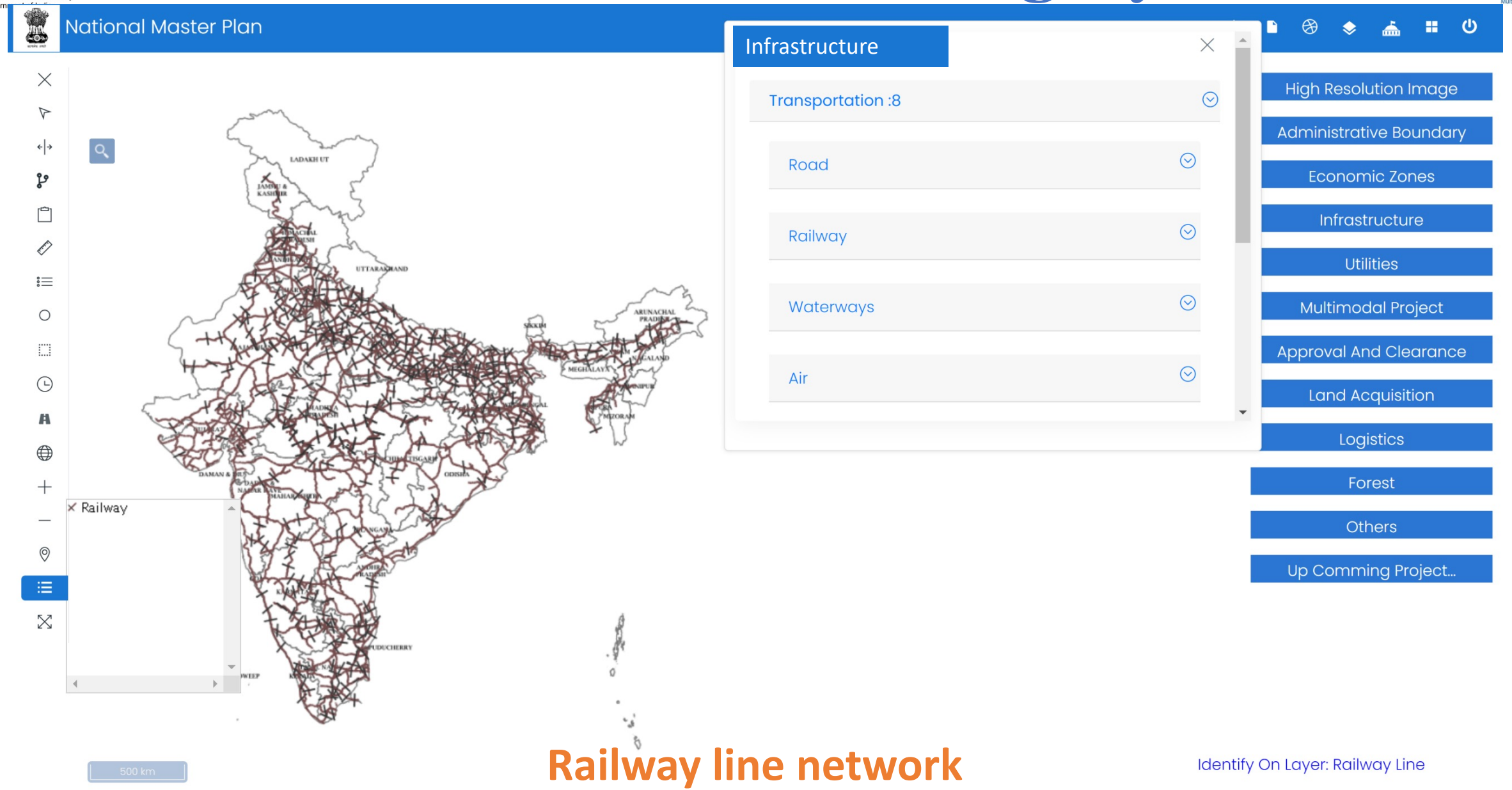
Infrastructure Planning layers



National Highway | State Highway | National Corridors | Economic Corridor

© 2021 Developed by BISAG-N

Infrastructure Planning layers



Railway line network

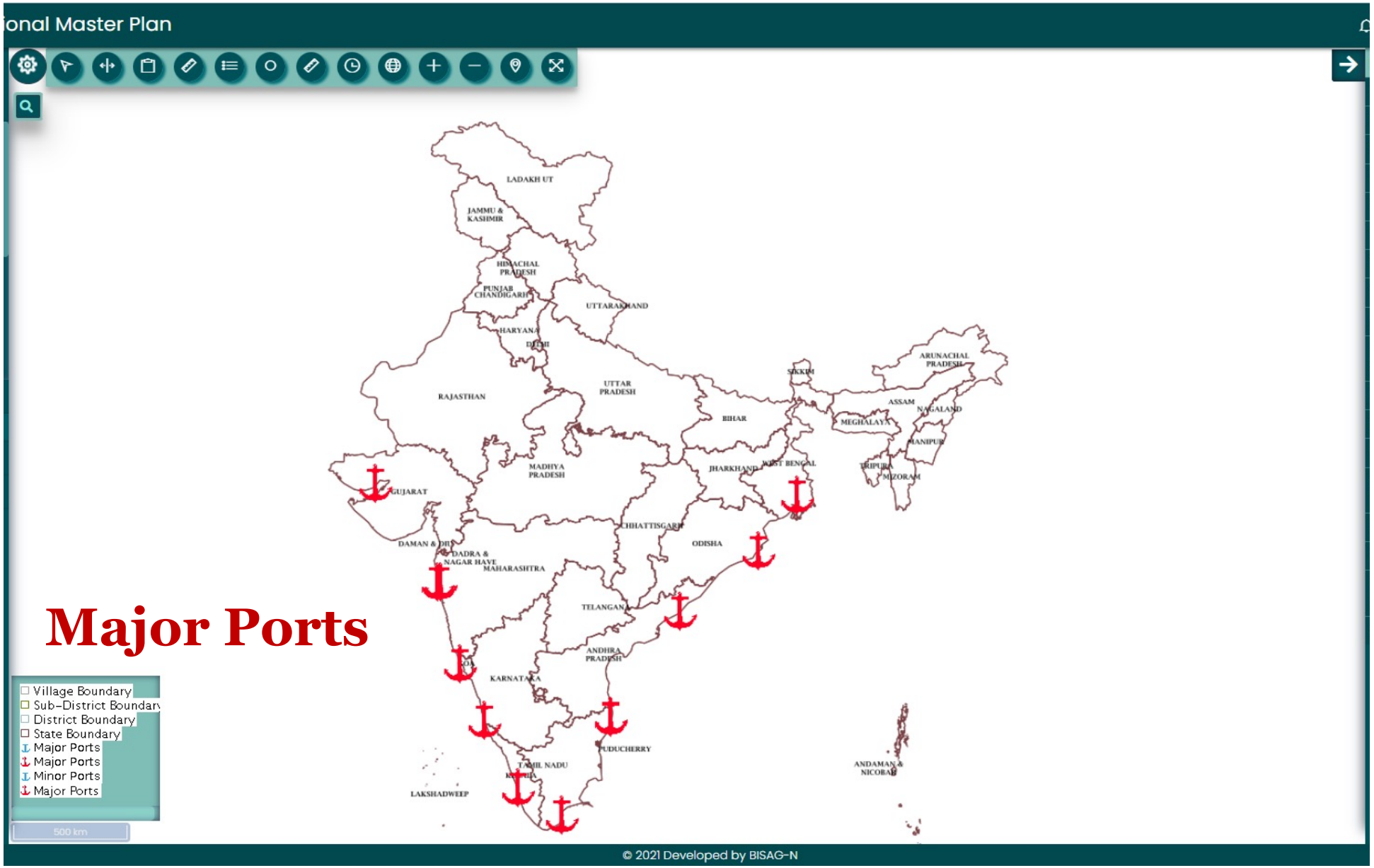
Identify On Layer: Railway Line

© 2021 Developed by BISAG-N

Ministry of Commerce & Industry
Government of India

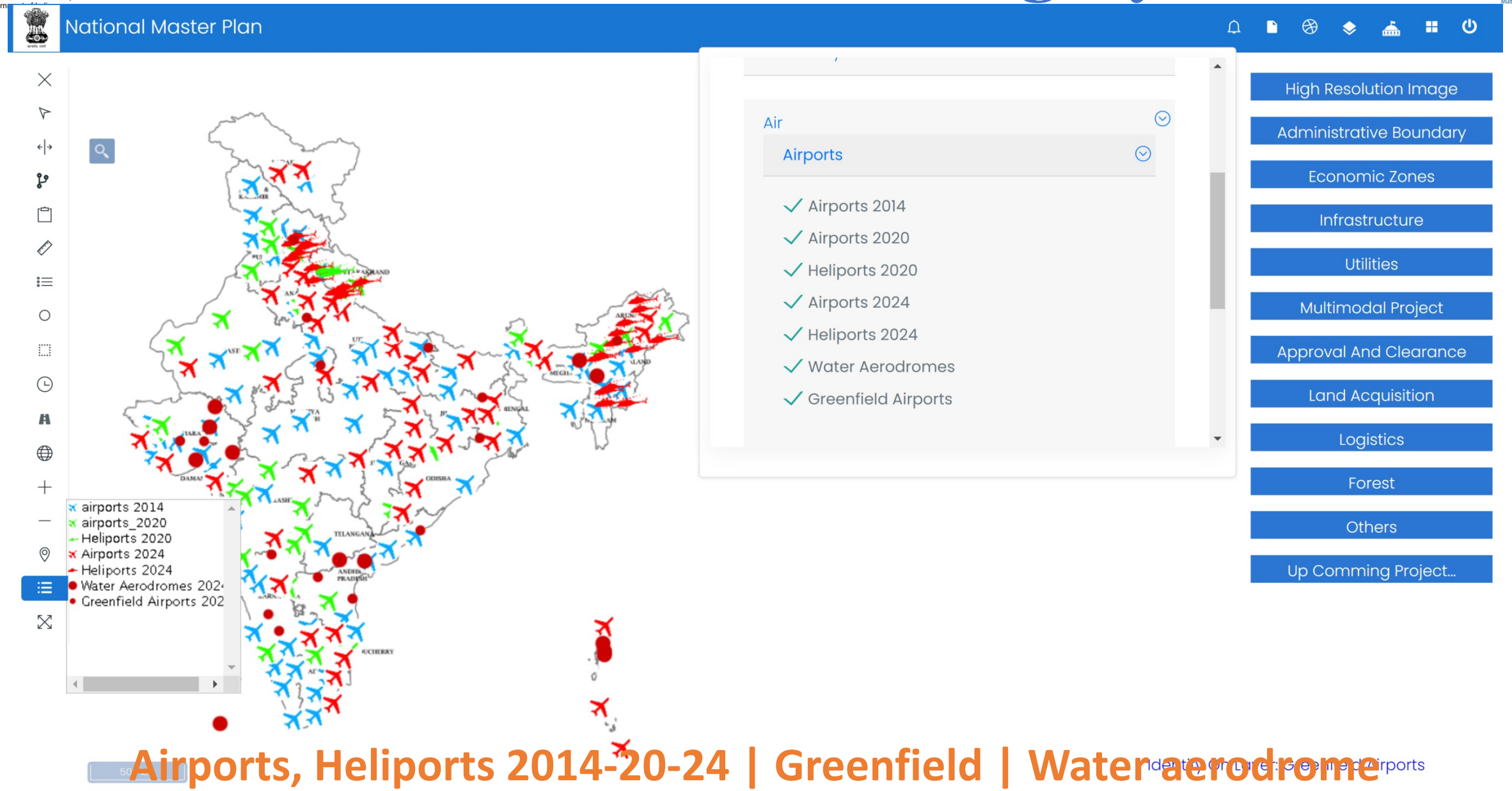
Infrastructure Planning layers

PM GatiShakti
National Master Plan for Multi-Modal connectivity



Major Ports

Infrastructure Planning layers



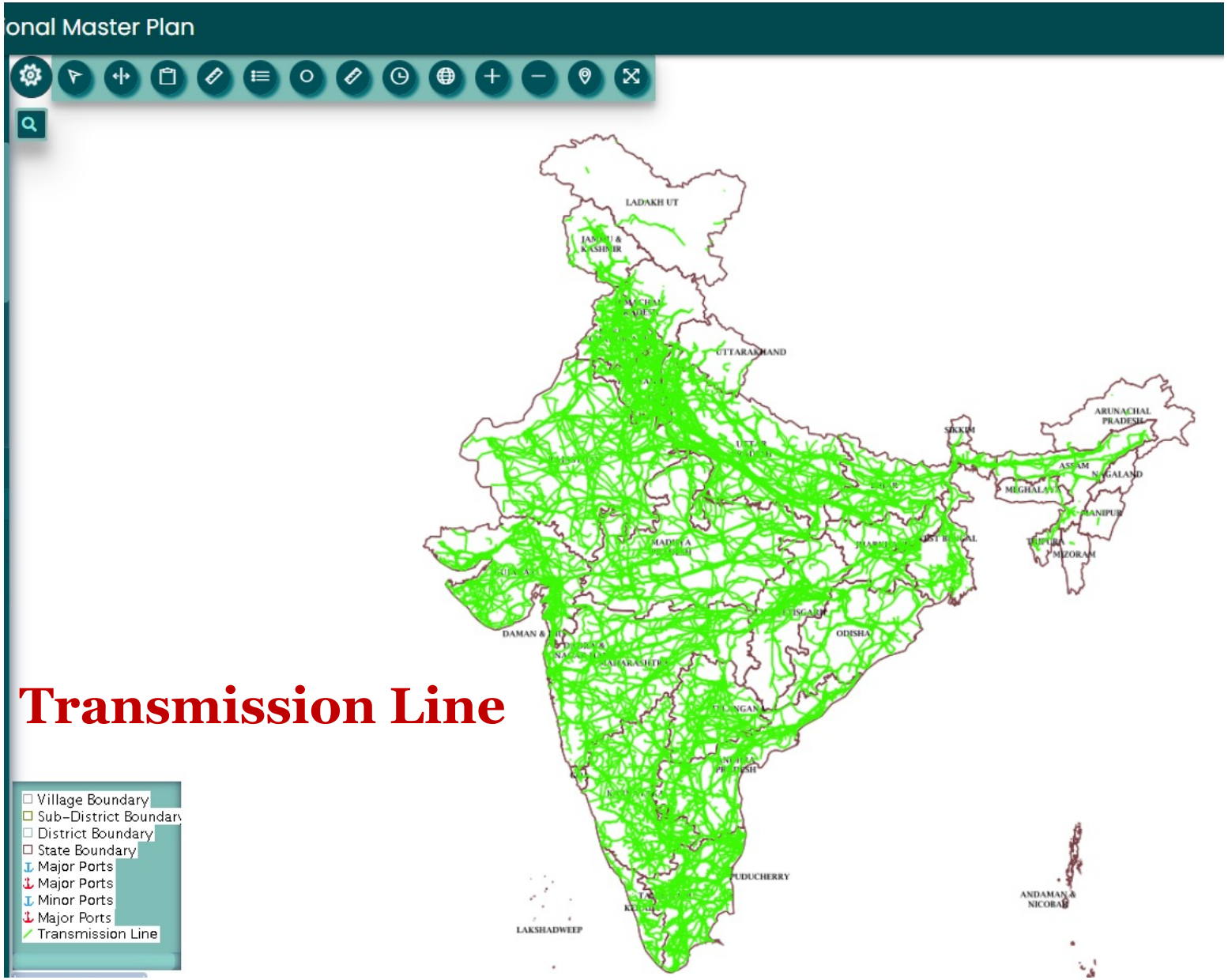
Airports, Heliports 2014-20-24 | Greenfield | Water aerodrome

© 2021 Developed by BISAG-N

Ministry of Commerce & Industry
Government of India

Infrastructure Planning layers

PM GatiShakti
National Master Plan for Multi-Modal connectivity

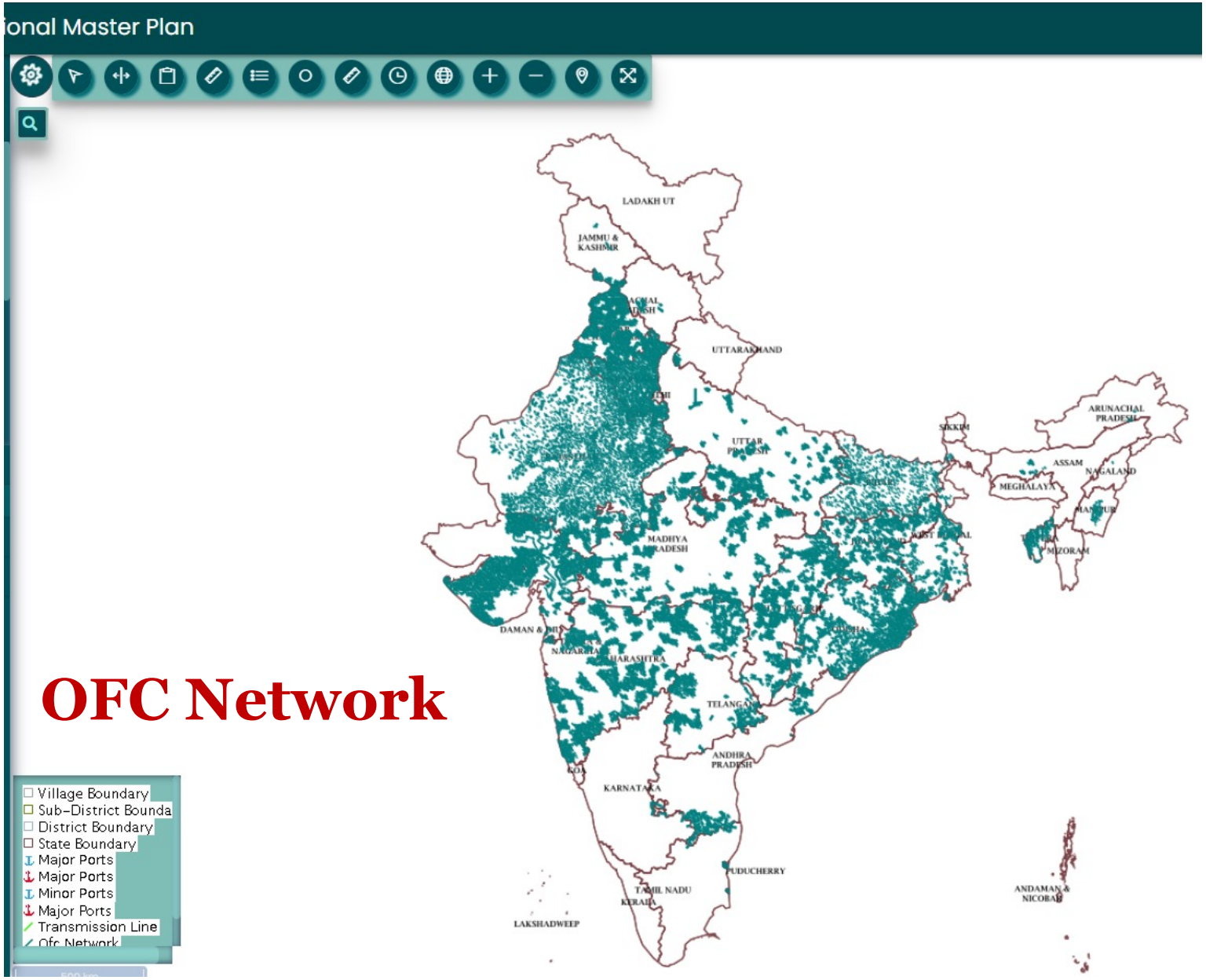


Transmission Line

Ministry of Commerce & Industry
Government of India

Infrastructure Planning layers

PM GatiShakti
National Master Plan for Multi-Modal connectivity

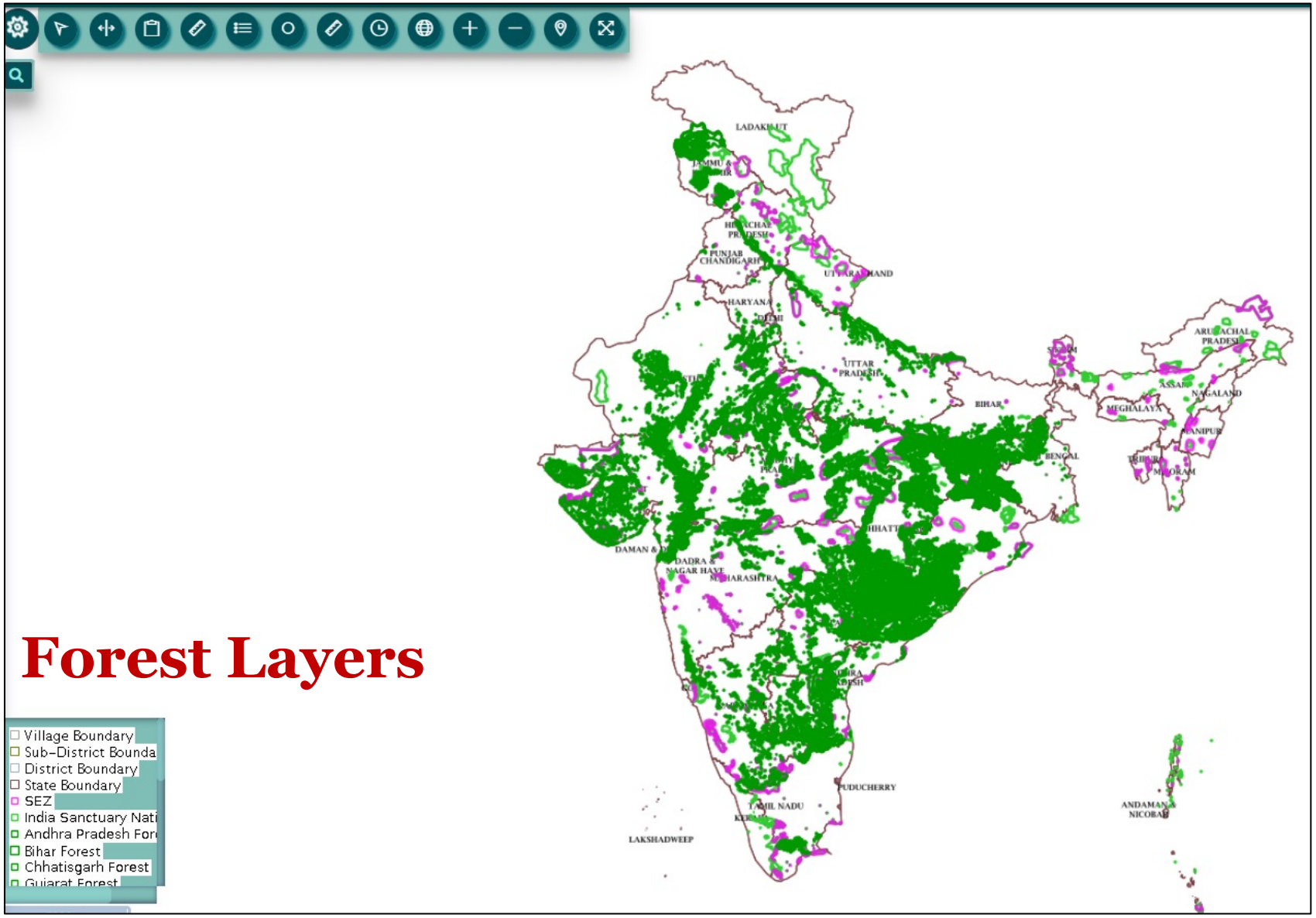


OFC Network

Ministry of Commerce & Industry
Government of India

Infrastructure Planning layers

PM GatiShakti
National Master Plan for Multi-Modal connectivity

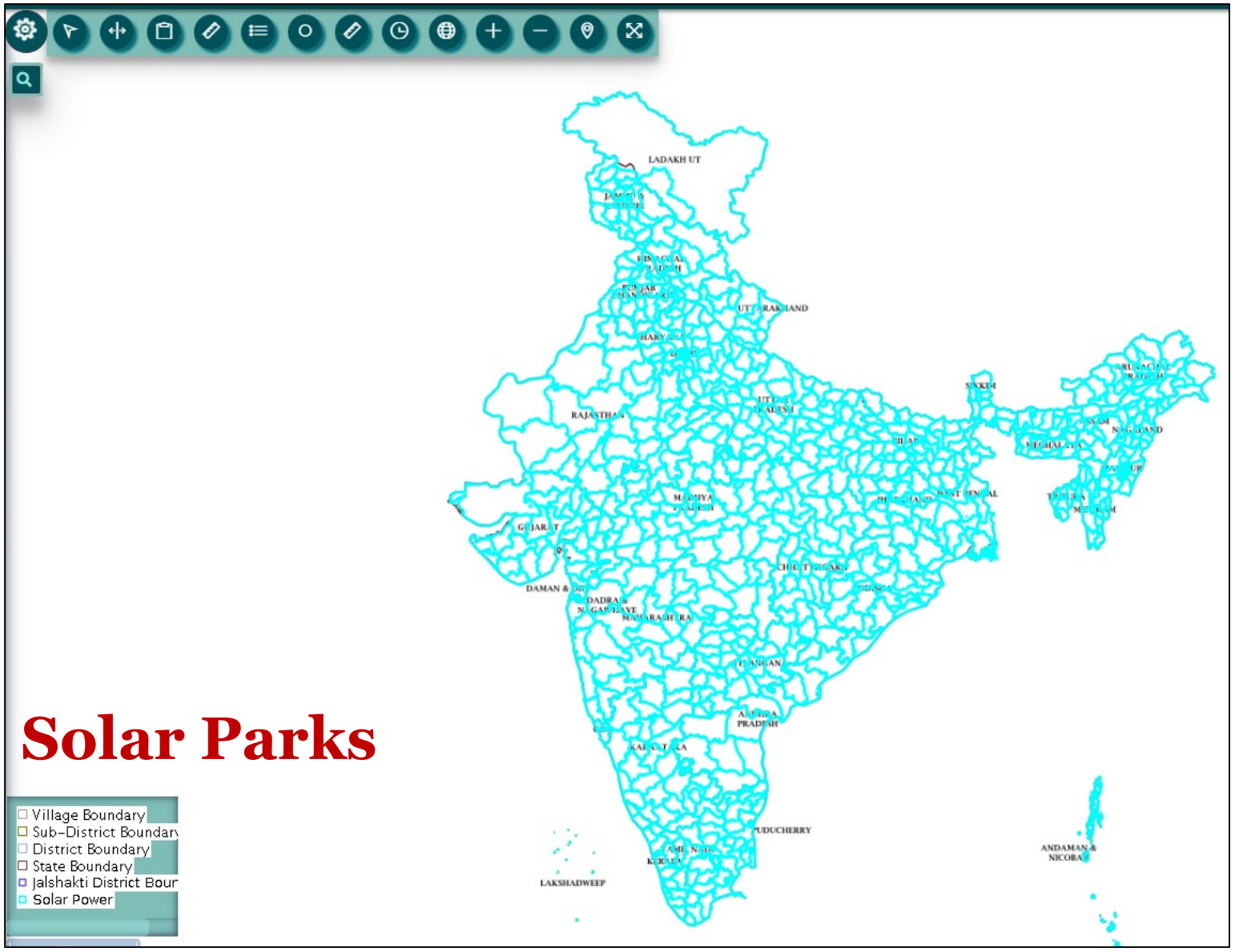


Forest Layers

Ministry of Commerce & Industry
Government of India

Infrastructure Planning layers

PM GatiShakti
National Master Plan for Multi-Modal connectivity

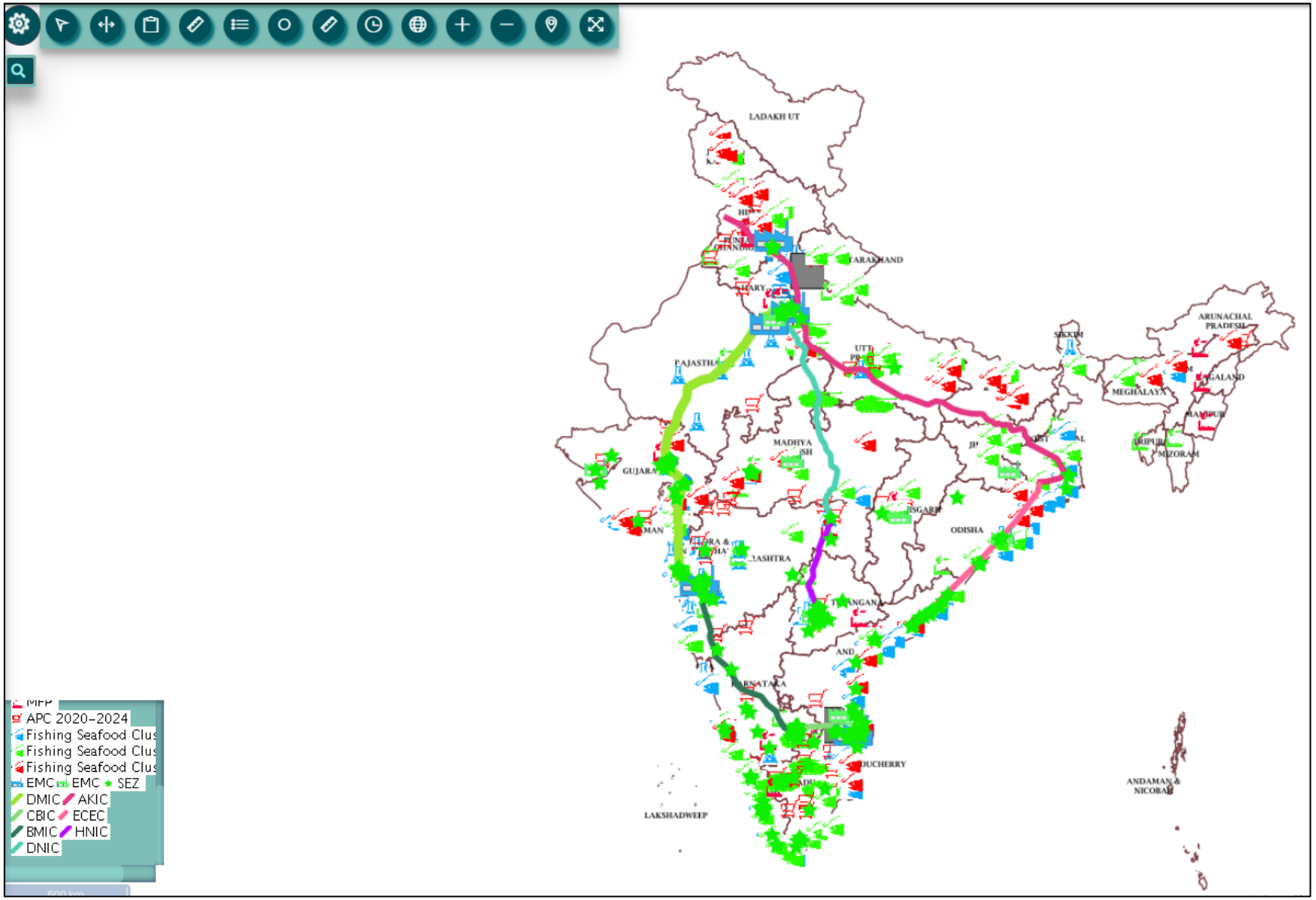


Solar Parks

Ministry of Commerce & Industry
Government of India

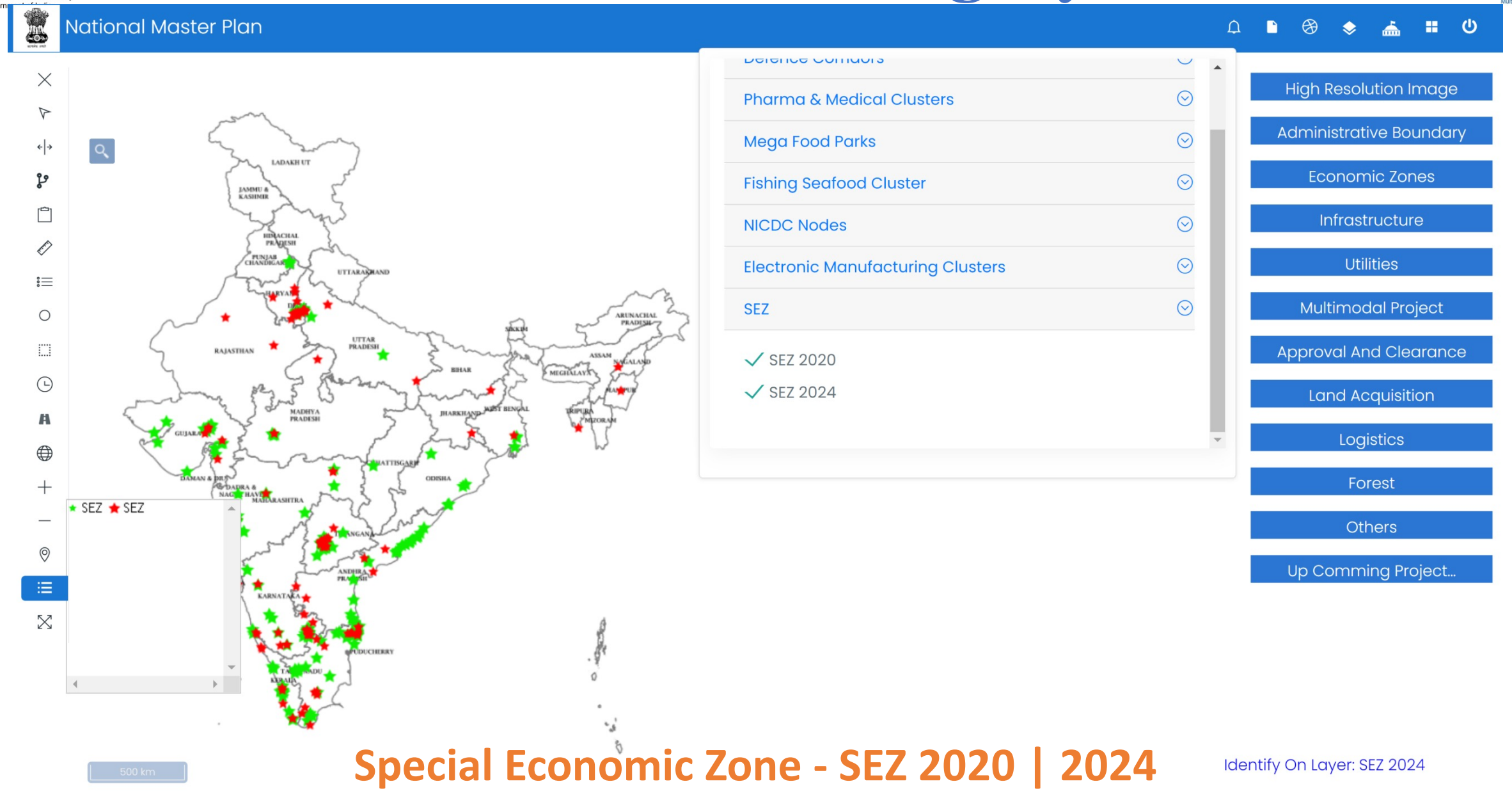
Economic Planning layers

PM GatiShakti
National Master Plan for Multi-Modal connectivity



Industrial Parks, Clusters, Economic Zones

Economic Planning layers



Special Economic Zone - SEZ 2020 | 2024

Identify On Layer: SEZ 2024

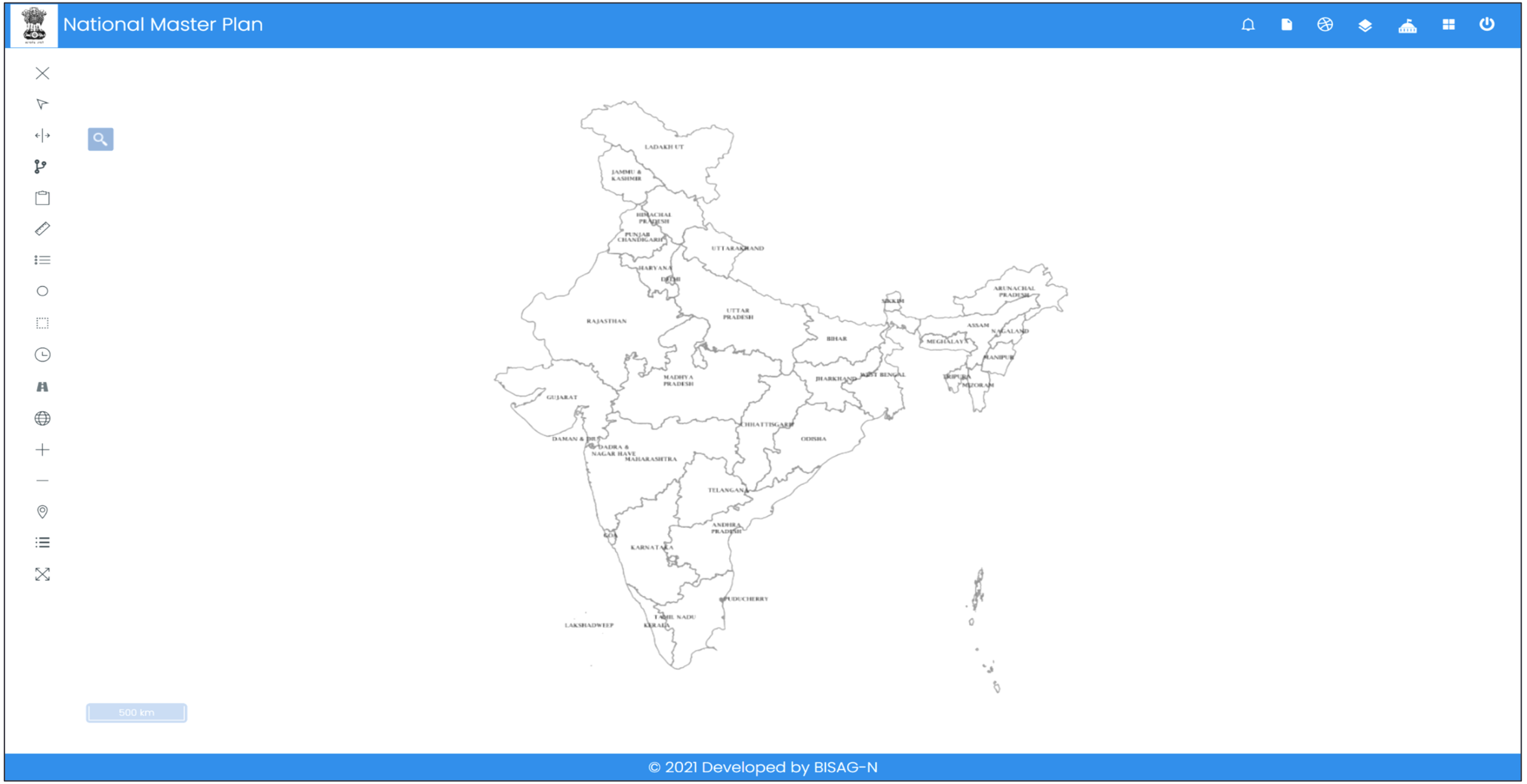
© 2021 Developed by BISAG-N

PM GatiShakti NMP- Tools

Department of Commerce
Ministry of Commerce and Industry
Government of India

Portal Tools

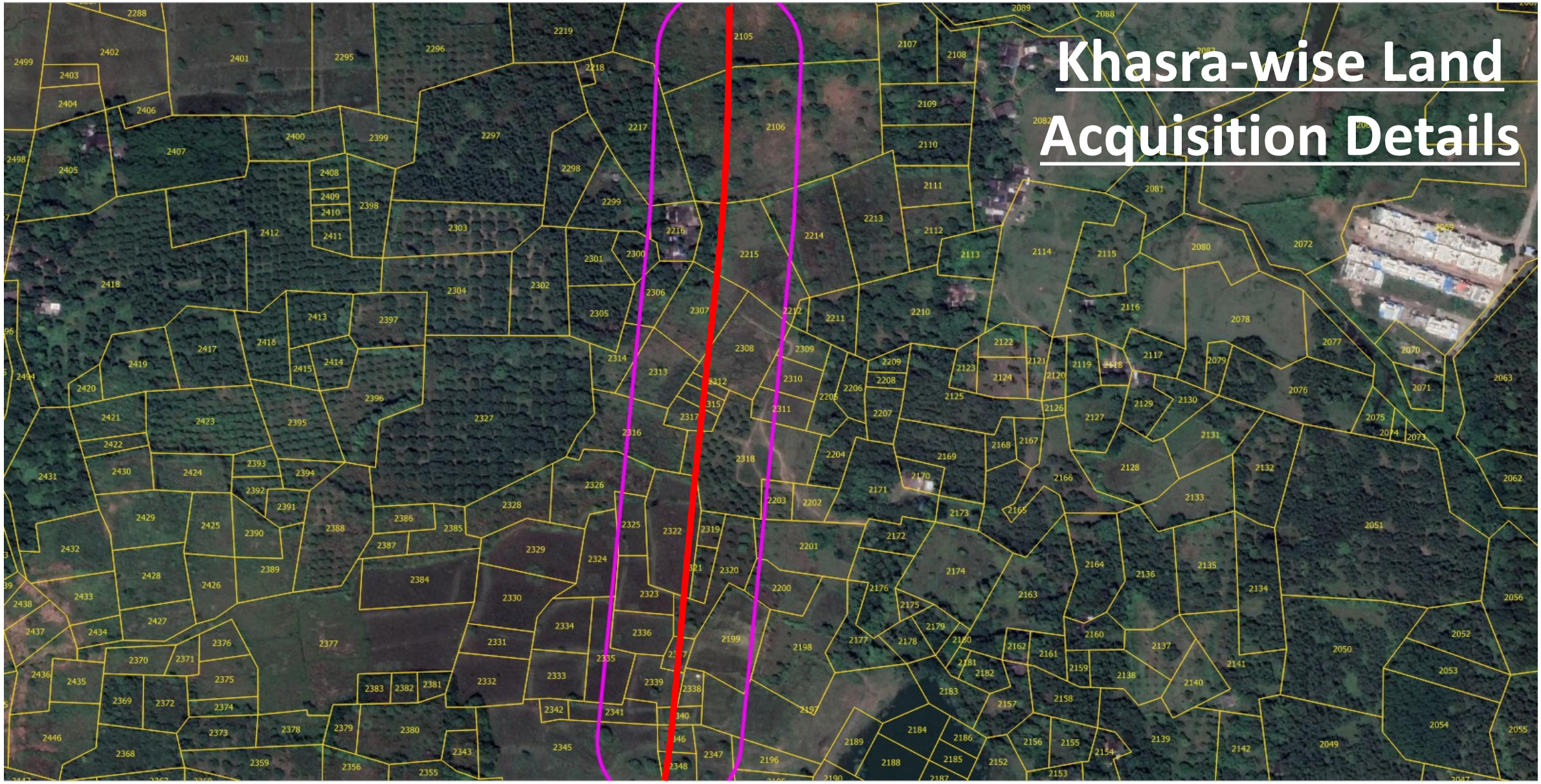
PM GatiShakti
National Master Plan for Multi-Modal connectivity



Department of Commerce
Ministry of Commerce and Industry
Government of India

Geo-spatial Digital Platform for NMP: Coastal Corridor Proposal

PM GatiShakti
National Master Plan for Multi-Modal connectivity

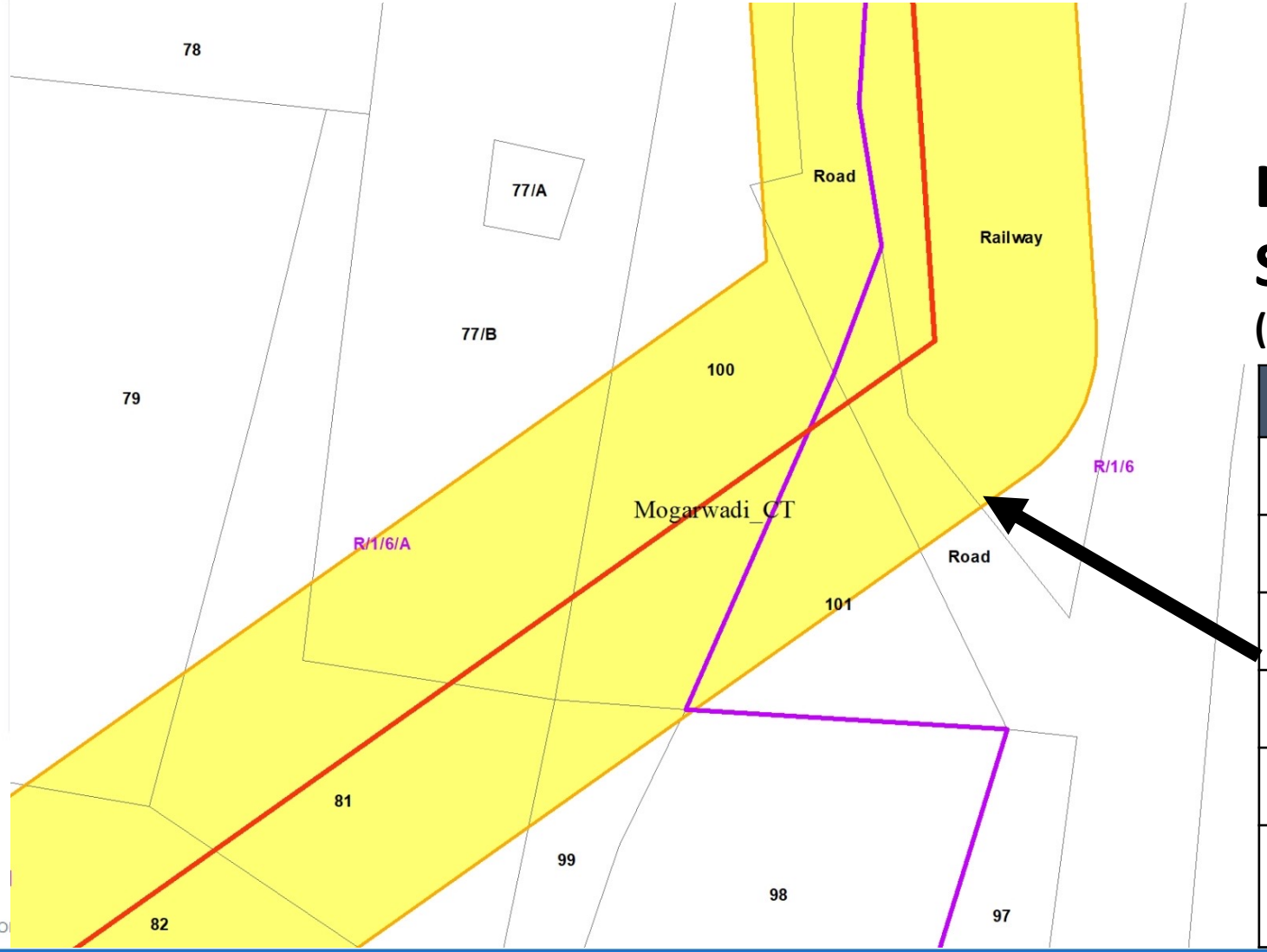


Department of Commerce
Ministry of Commerce and Industry
Government of India

Analytical - Land Acquisition Module

PM GatiShakti
National Master Plan for Multi-Modal connectivity

Government of Gujarat



High Resolution Image
Administrative Boundary
Revenue Boundary
Forest

Land Parcel Valuation Based on STR Value Zone, Mogarwadi

(District : Valsad)

Proximity Analysis for Industrial Park	
Survey No.	81
Total Area (Ha)	1.2937 Ha
Area to be Acquired (Ha)	0.7827 Ha
Purpose of Acquisition	Road Widening
STR Zone	R/1/6/A
Estimated total compensation (INR)	20,00,00,000/-

© 2021 Developed by BISAG-N

Add New Data / Project Module

Ministry of Commerce & Industry
Government of India

PM GatiShakti
National Master Plan for Multi-Modal connectivity

National Master Plan

Permission to be required (Forest Gujarat)

Distance From:

Road: 10891.52 Railway: 28805.24 River: 9818.37 Econimic Zone: 9796.59 National Park0.00 Canal: 20455.34

State: Gujarat

District: Kachchh

Taluka: ---select---

Village: ---select---

Name of Project: TEST999

Forward To: Mining Lease, Revenue Department

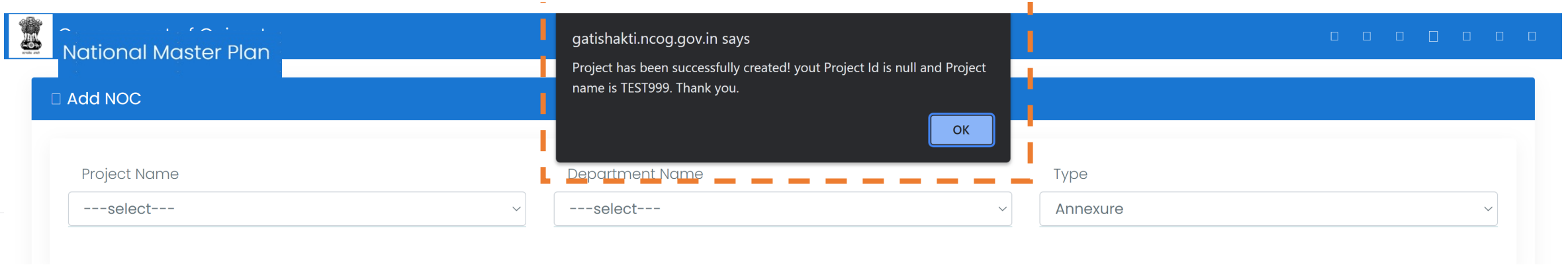
- Information Department
- Labour and Employment Department
- Mining Lease
- Narmada and Water Resources, Water Supply and Kalpsar Department
- Panchayats and Rural Housing Department

latitude: 71.12383182255884

longitude: 23.30262244576788

Add Project

Project will be created with Reference ID.

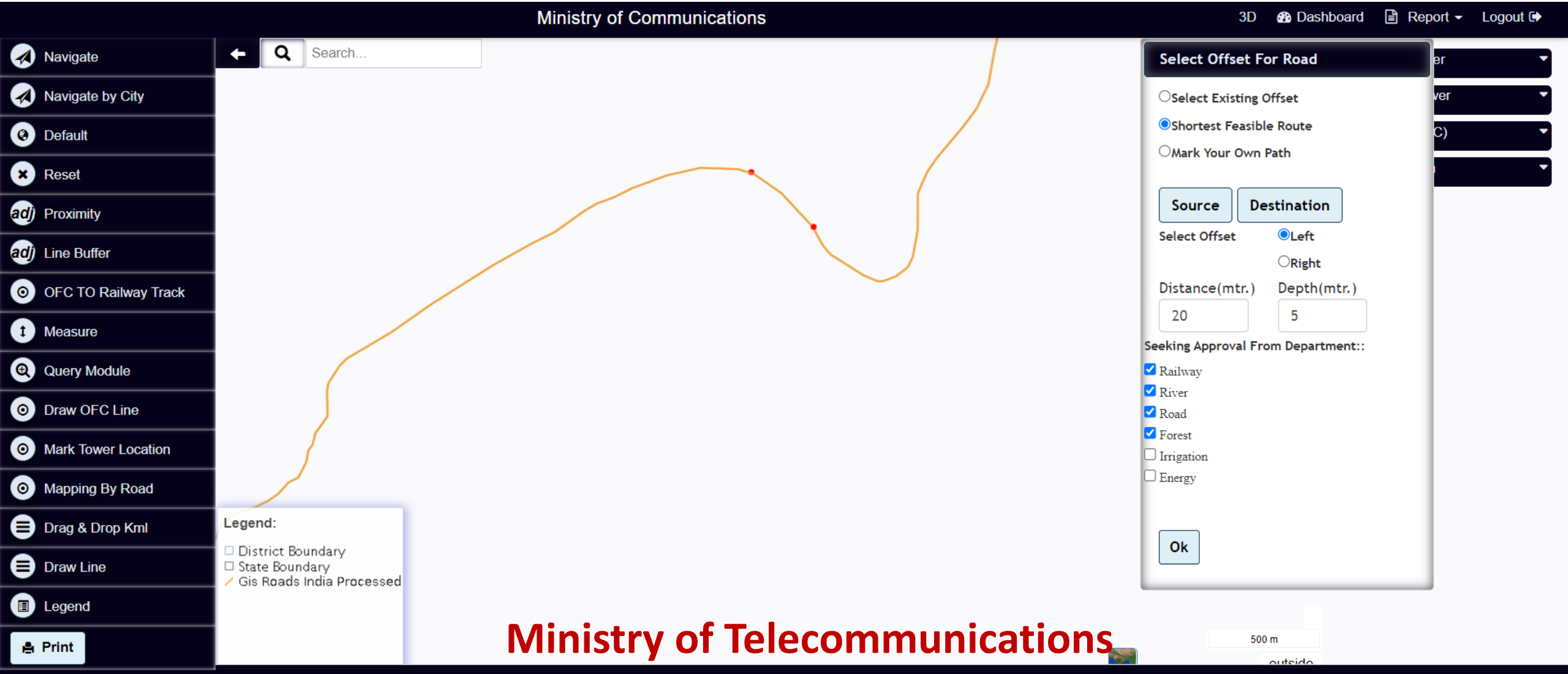


Ministry of Commerce & Industry
Government of India

NOC Tool

PM GatiShakti
National Master Plan for Multi-Modal connectivity

NOC Tool: Select start point and End Point



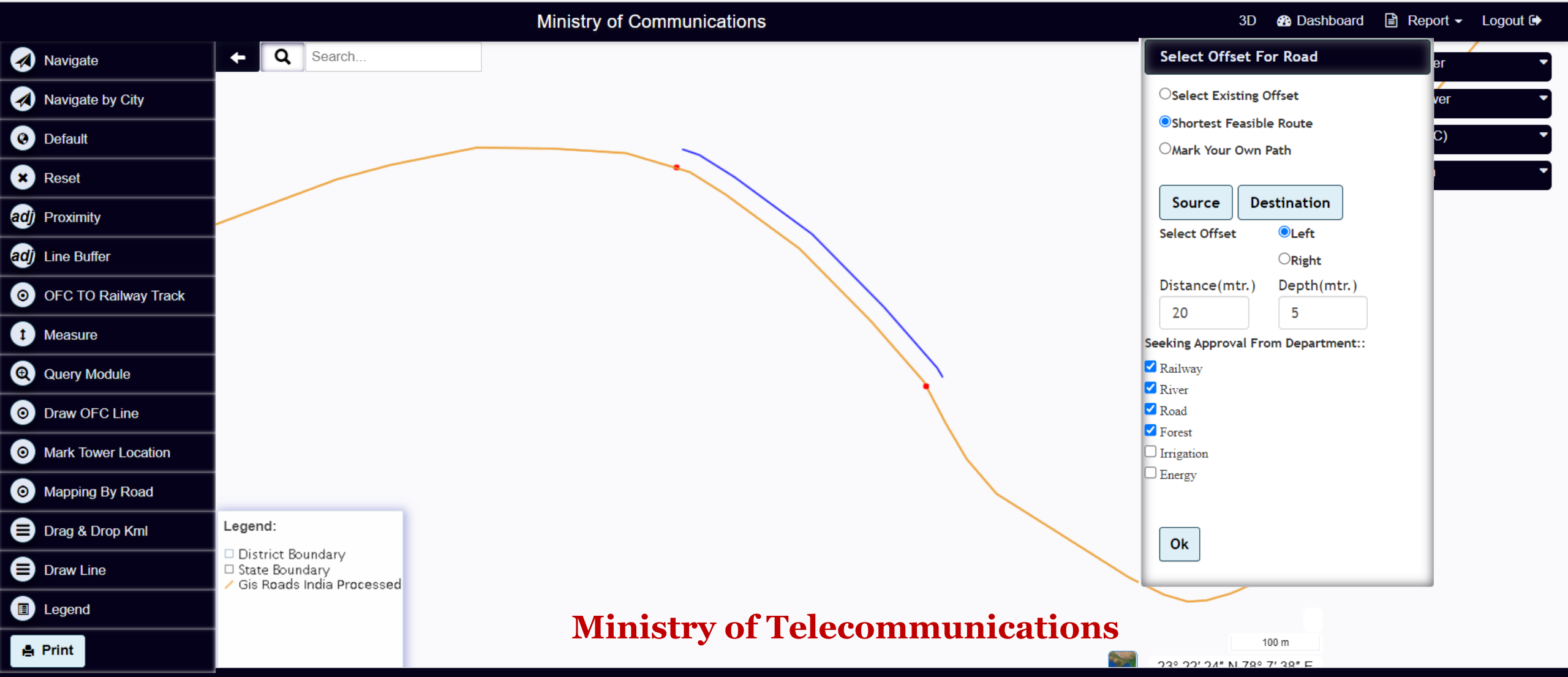
Ministry of Telecommunications

Ministry of Commerce & Industry
Government of India

NOC Tool

PM GatiShakti
National Master Plan for Multi-Modal connectivity

Tool 2: Select start point and End Point



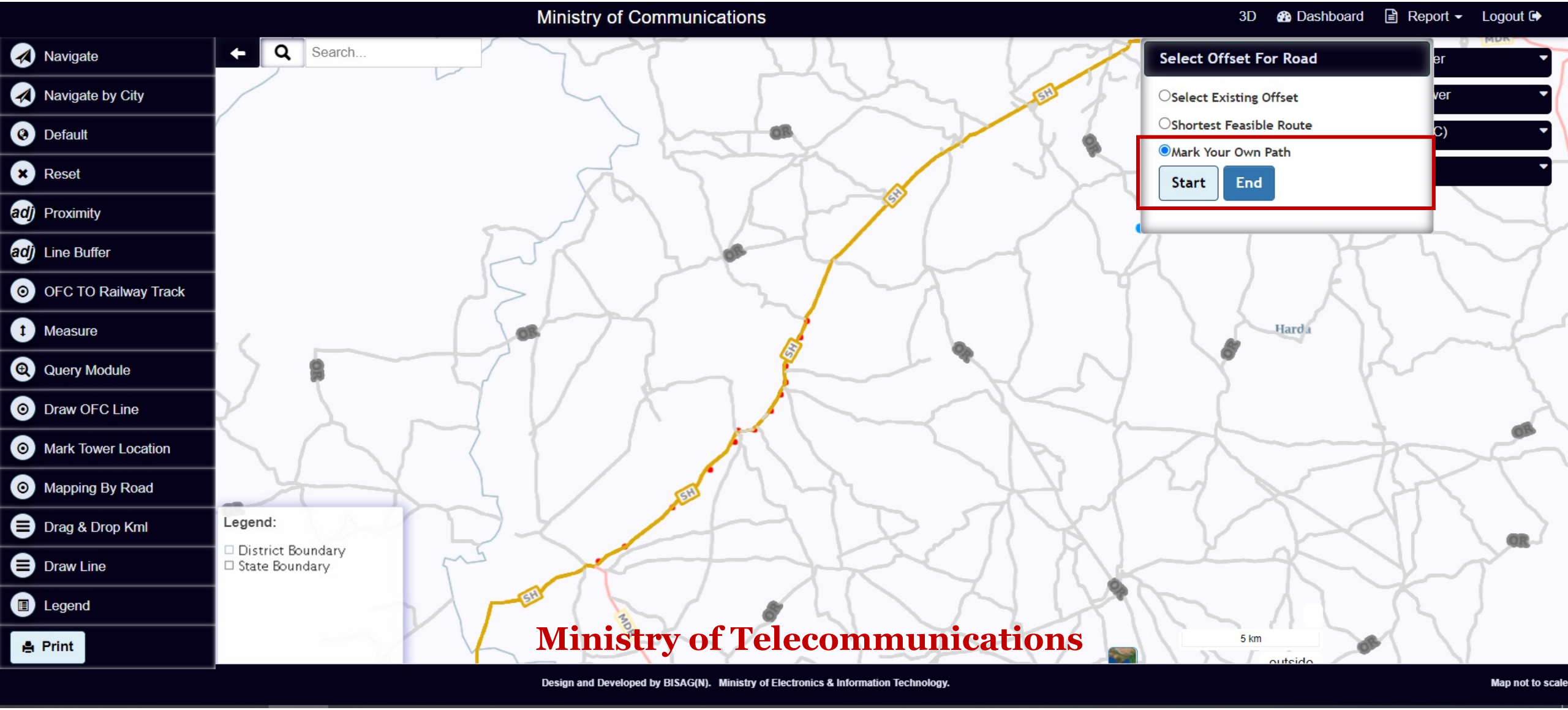
Ministry of Telecommunications

Ministry of Commerce & Industry
Government of India

NOC Tool

PM GatiShakti
National Master Plan for Multi-Modal connectivity

NOC Tool: Mark Your Own Path



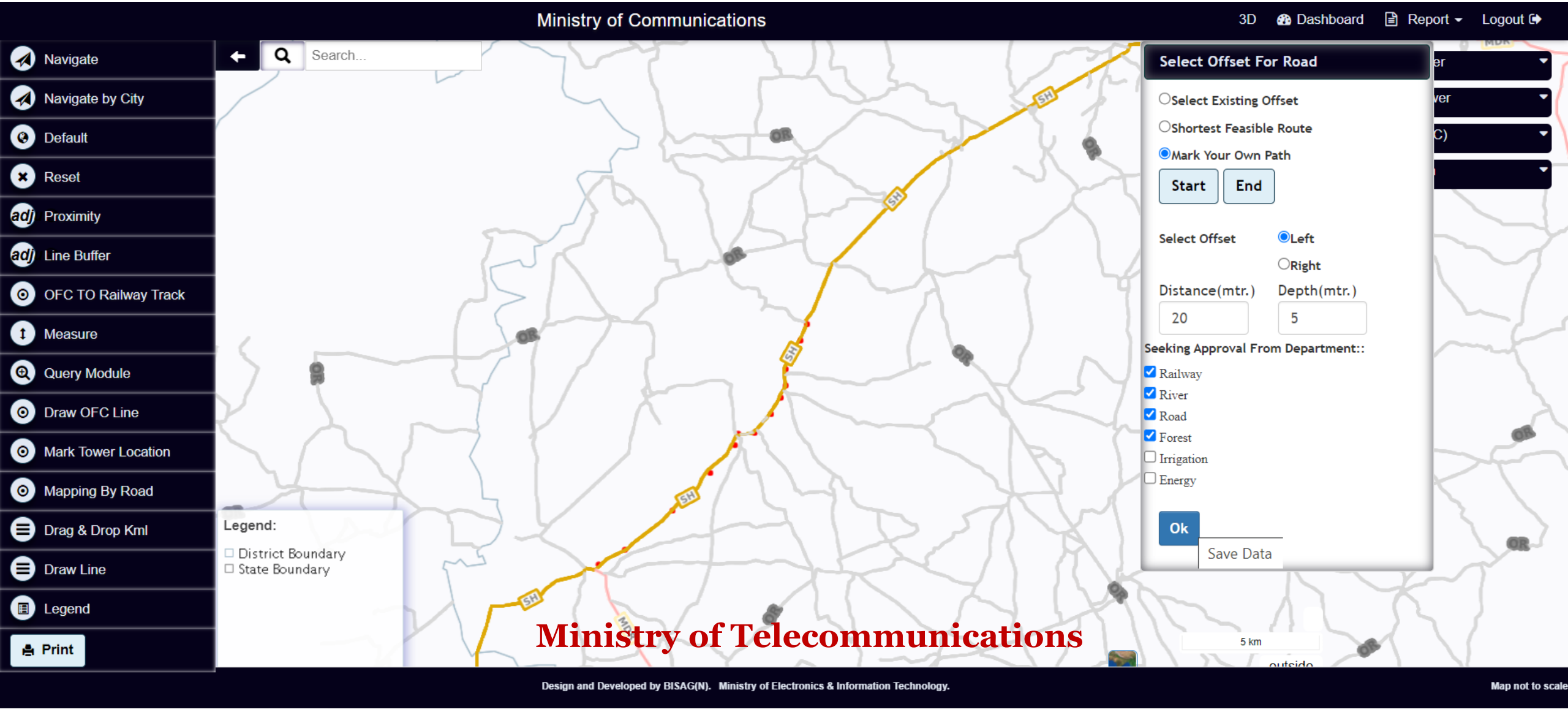
Ministry of Telecommunications

Ministry of Commerce & Industry
Government of India

NOC Tool

PM GatiShakti
National Master Plan for Multi-Modal connectivity

NOC Tool: Mark the path as per the requirement

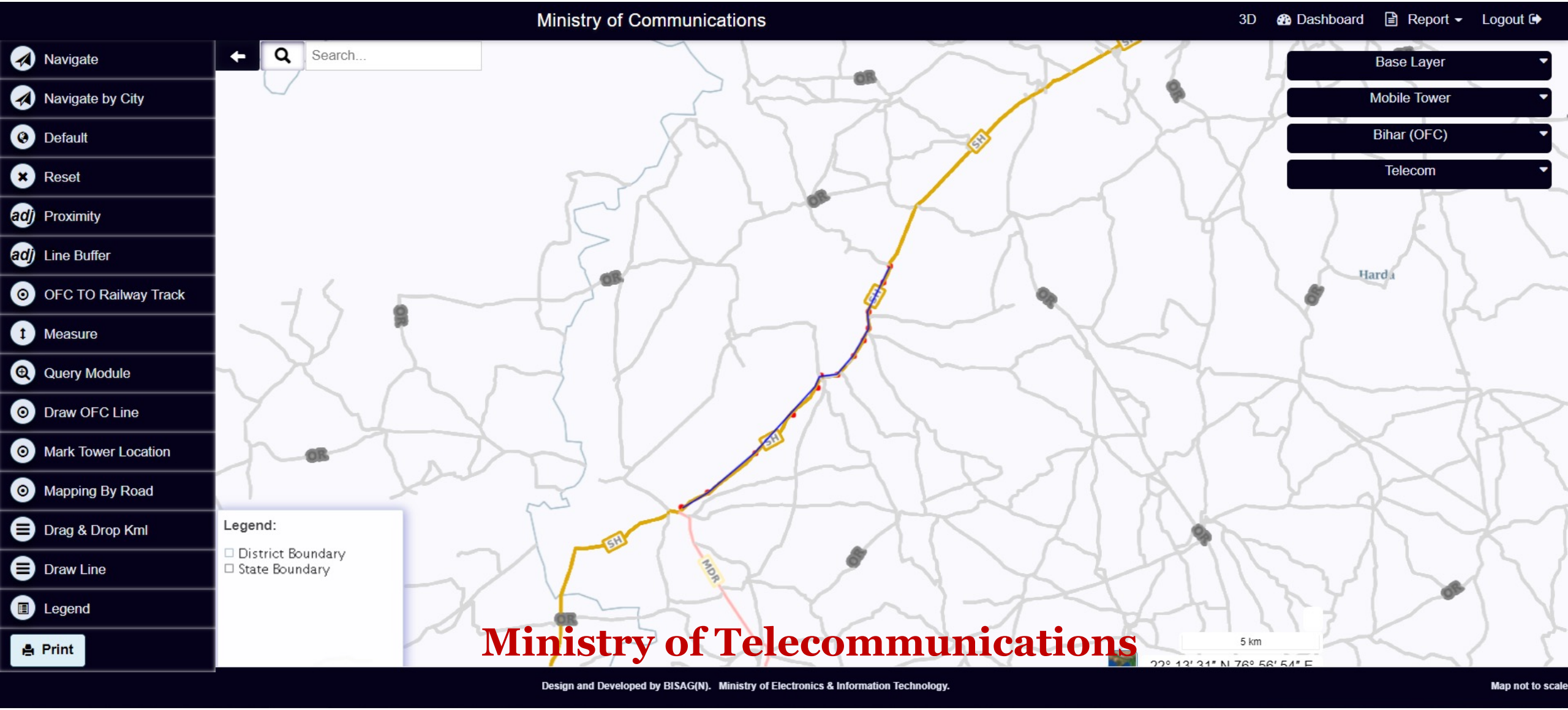


Ministry of Commerce & Industry
Government of India

NOC Tool

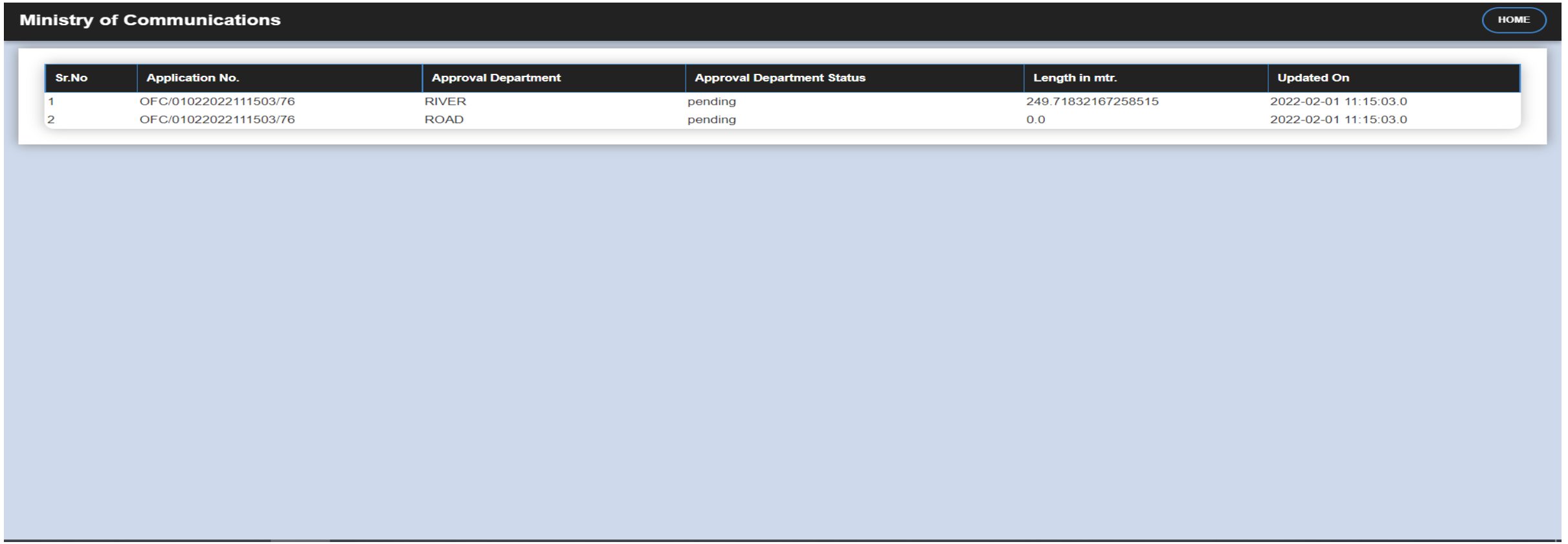
PM GatiShakti
National Master Plan for Multi-Modal connectivity

NOC Tool: Add the OFC Path for NOC Permission



Ministry of Telecommunications

NOC Tool: Report generated for approval



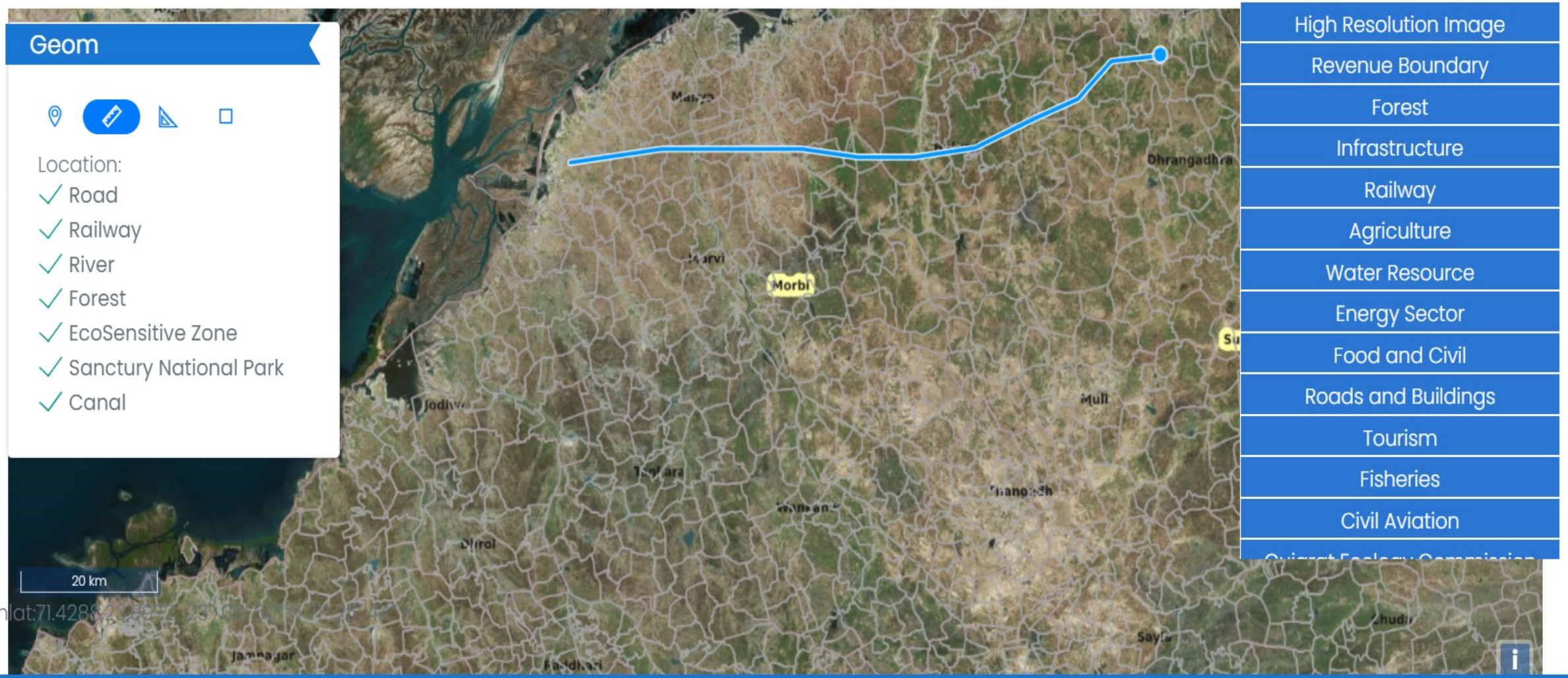
Sr.No	Application No.	Approval Department	Approval Department Status	Length in mtr.	Updated On
1	OFC/01022022111503/76	RIVER	pending	249.71832167258515	2022-02-01 11:15:03.0
2	OFC/01022022111503/76	ROAD	pending	0.0	2022-02-01 11:15:03.0

Department of Commerce
Ministry of Commerce and Industry
Government of India

Permission Tool

PM GatiShakti
National Master Plan for Multi-Modal connectivity

National Master Plan

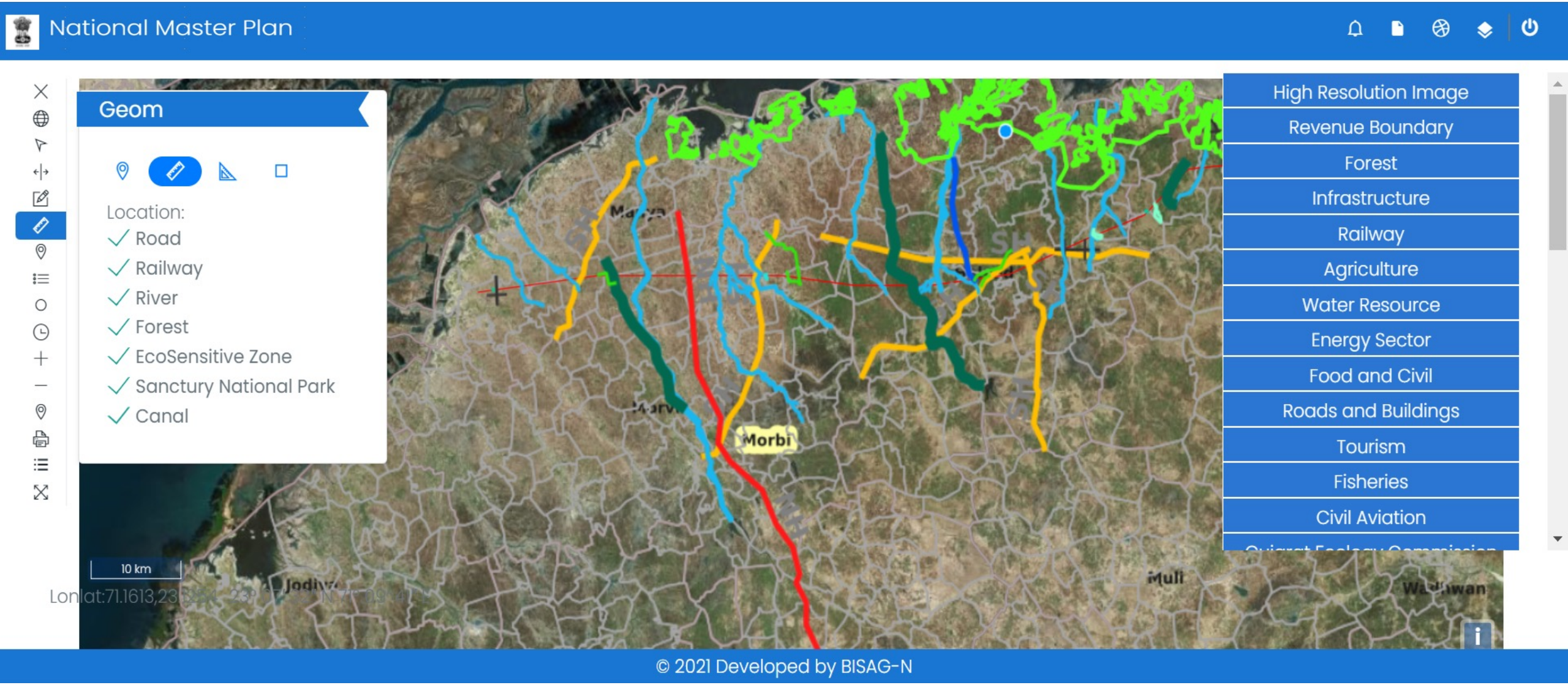


© 2021 Developed by BISAG-N

Department of Commerce
Ministry of Commerce and Industry
Government of India

Permission Tool

PM GatiShakti
National Master Plan for Multi-Modal connectivity



Department of Commerce
Ministry of Commerce and Industry
Government of India

Permission Tool

PM GatiShakti
National Master Plan for Multi-Modal connectivity

Village Report

CSV

Search:

District	Taluka	Village
Morbi	Halvad	Juna_Devaliya
Morbi	Morvi	Jetpar
Morbi	Morvi	Chakampar
Morbi	Morvi	Vaghpar
Morbi	Morvi	Gala
Morbi	Morvi	Juna_Nagdavas
Morbi	Morvi	Sapar

Department of Commerce
Ministry of Commerce and Industry
Government of India

Permission Tool

PM GatiShakti
National Master Plan for Multi-Modal connectivity

Forest Report

CSV

Search:

District	Taluka	Village	Range	Division	S.No.	Area in Hector
Morbi	Halvad	Chandragadh	Morbi	Morbi Forest Division	239/1	36.82
SURENDRANAGAR	DHRANGADHRA	KANKAVATI	Dhrangadhra	Surendranagar Forest Division		87.42

Showing 1 to 2 of 2 entries

Previous 1 Next

River Report

CSV

Search:

Department of Commerce
Ministry of Commerce and Industry
Government of India

Permission Tool

PM GatiShakti
National Master Plan for Multi-Modal connectivity

River Report

CSV

Search:

Name	Lenght
Bambhan River	173.0004309325863
Godadharoi River	257.0263614485678
Godra River	63.88265635381669
Kankavati River	118.29991793888692
Machchhu River	333.5426519383547
Mithi River	104.83625479141263

Department of Commerce
Ministry of Commerce and Industry
Government of India

Permission Tool

PM GatiShakti
National Master Plan for Multi-Modal connectivity

Road Report

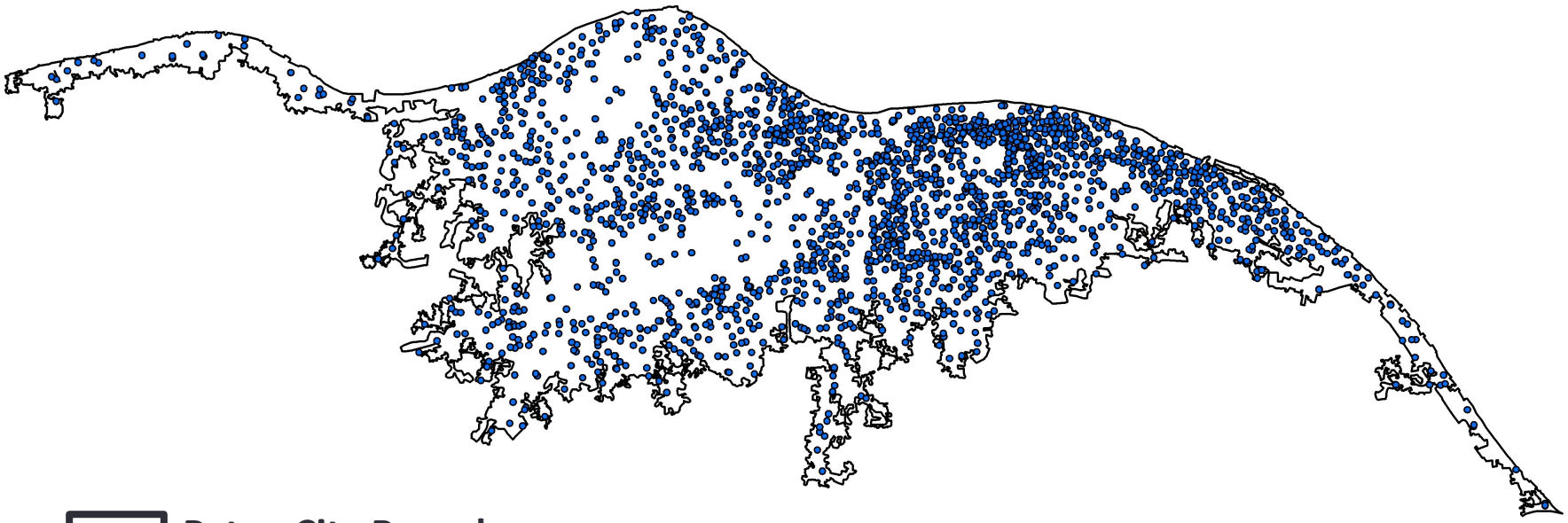
CSV

Search:

Name	Category	Surface	XY
Ahmedabad Bavla Bagodara Limbdi Rajkot Kandla Road	NH	BT	POINT Z (70.8183119769843 22.9911816897474 0)
Ahmedabad Viramgam Dhrangadra Halvad Malia Road	SH	BT	POINT Z (71.2179865208576 23.0128170127552 0)
Cahradva to Iswarnagar App road	VR P	BT	POINT Z (71.060801949655 22.9819581709907 0)
Chakampar Jetpar Road	ODR	BT	POINT Z (70.9381734785325 22.9889854164986 0)
Chulli Pipla Gopalgadh Road	VR P	BT	POINT Z (71.3124991304529 23.0478076106663 0)
Halvad Sara Muli Sayla Sudamada Paliyad Road Upto District Limit	SH	BT	POINT Z (71.1866945027847 23.0005335501445 0)
Kankaqvati Jasmatpar Road	VR P	BT	POINT Z (71.3756613498974 23.0916865118485 0)

Status/Issue before usage of National Master Plan

Existing Tower location: Patna City.



Patna City Boundary

Existing Mobile Towers

STATUS AS OF NOW:

- Under National Broadband Mission, one of the objective is 5G roll out facilitation.
- To serve the above purpose all the existing towers coverage will be analyzed and entire city will be covered with 5G Connectivity.

Total Existing Mobile Tower: 2333 Nos.

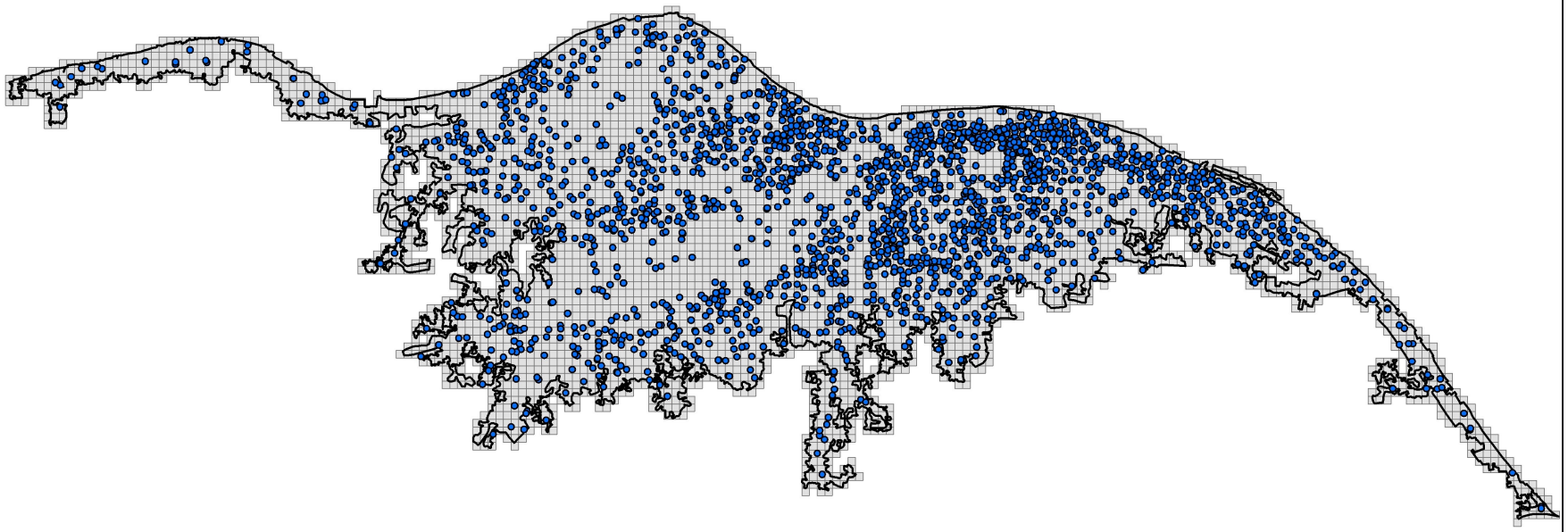
How usage of National Master Plan has improved the situation

Department of Commerce
Ministry of Commerce and Industry
Government of India

PM GatiShakti
National Master Plan for Multi-Modal connectivity

Ministry Of TeleCommunication

Providing 5G Connectivity to Potential Areas : Patna City.



Patna City Boundary

Existing Mobile Towers

200 Sq. m. Grid for Coverage

IMPROVEMENTS MADE:

- Existing towers are mapped on the Department of Telecommunication GatiShakti Portal and to provide 5G Connectivity, entire city divided by 200 Sq.m. Grid.
- Based on the area covered by 200 sq.m grid, remaining potential areas are analyzed to erect 5G Towers.

Total Grid covered by Existing Tower: 1517 Nos.

Total Uncovered grid: 3098 Nos.

© 2021 Developed by BISAG-N

PM GatiShakti
National Master Plan for
Multi-Modal connectivity

Thank you