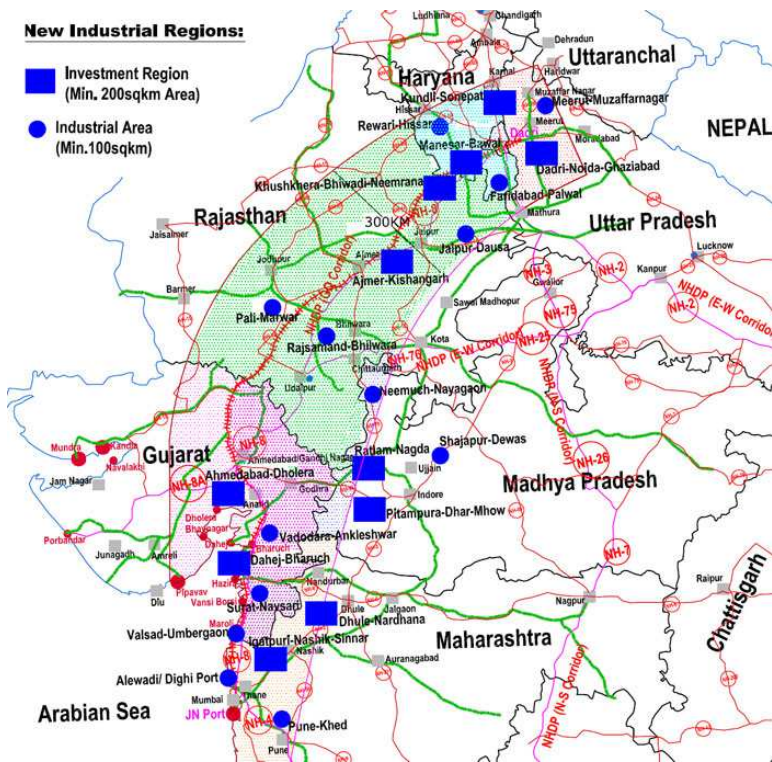


DELHI – MUMBAI INDUSTRIAL CORRIDOR (DMIC)

New Industrial Regions:

- Investment Region (Min. 200sqkm Area)
- Industrial Area (Min. 100sqkm)



Vision: “To create strong economic base with globally competitive environment” - DMICDC

Project Goals:

1. Double employment potential in 07 years
2. Triple industrial output in 09 years
3. Quadruple exports from the region in 08 – 09 years

Length: 1483 Kms

Area of Influence: 436,486 Square Kms

07 states and 02 Union Territories.

Delhi, Uttar Pradesh, Haryana, Rajasthan, Madhya Pradesh, Gujarat, Maharashtra (States); Diu and Daman, Dadra and Nagar Haveli (UTs)

10 major cities with over 01 million populations:

Delhi, Greater Mumbai, Faridabad, Meerut, Jaipur, Ahmedabad, Surat, Vadodara, Pune and Nashik;

06 cities with a population of 0.5 to 01 million:

Ghaziabad, Aligarh, Jodhpur, Ajmer, Bhavnagar, and Bhiwadi.

Funding Agency: Japan International Cooperation Agency (JICA), Japan Bank for International Cooperation (JBIC)

Shareholders: DMICDC - Govt. of India – 49%; Japan Bank for International Cooperation (JBIC) – 26%; Housing and Urban; Development Corporation Limited (HUDCO) – 19.9%; India Infrastructure Finance Corporation Limited (IIFCL) – 4.1%; Life Insurance Corporation of India (LIC) – 1%.

S. No.	DMIC States / UTs	Area under Project Influence Area (Sq. Kms)	Total Area of Impacted State (Sq. Kms)	% Total Area of Respective State under PIA
1.	Delhi	1,483	1,483	100%
2.	Haryana	26,410	44,212	60%
3.	Rajasthan	198,849	342,236	58%
4.	Gujarat	120,706	196,024	62%
5.	Maharashtra	56,760	307,713	18%
6.	Dadra and Nagar Haveli	491	491	100%
7.	Daman and Diu	122	122	100%
8.	Uttar Pradesh	28,265	238,566	12%
9.	Madhya Pradesh	2,866	308,144	1%
10.	Uttarakhand	533	53,566	1%
Total of all States under influence		436,486	1,492,557	29.2%

Ref. DMIC Concept Paper available at <http://www.dmicdc.com/frmDownloads.aspx?pgid=43>

Connectivity: Aligned on Western dedicated freight corridor

Railway	Northern Central Railway; Western Railway; Delhi – Mumbai Rail Route; Ahmedabad – Mumbai and Jaipur – Delhi – Amritsar High Speed Passenger Rail Connectivity through PPP mode.
Waterways	Bharuch to Hoshangabad – Narmada River [Identified]
Proposed Inland Waterways	07 inland waterways projects proposed Indira Gandhi Canal, Rajasthan (NW 45); Jawai River, Udaipur, Rajasthan (NW 48); Luni River, Rajasthan (NW 63); Mahi River, MP – Rajasthan – Gujarat (NW 66); Narmada River, Gujarat – Maharashtra – MP (NW 73); Sabarmati River, Gujarat (NW 87); Tapi River, Gujarat (NW 100).
International Airports	03 Active International Airports Delhi; Ahmedabad; and Mumbai [Active]

Domestic Airports	08 Active domestic Airports Udaipur; Vadodara; Pune; Surat; Jaipur; Aurangabad; Indore; and Ajmer [Active]
Proposed Airports	03 Greenfield airports proposed out of total 06 proposed airports Dholera [Greenfield] ; Neemrana [Greenfield] ; Ankleshwar; Kishangarh; Navi Mumbai international airport [Greenfield] ; New Pune international airport.
Ports	Mumbai; Jawaharlal Nehru Port, Mumbai; Ratnagiri; Magdalla; Hazira; Rewas; Dharamtar; Bhavnagar; and Jafrabad. JNPT and Mumbai port are the major ports.
Dry Ports	Rubhana, near Bhiwadi, Rajasthan [Proposed]
Reviewed Ports	Gujarat – Kandla, 21 minor and intermediate ports are divided into 10 groups viz. Mandvi group (3 ports); Navlakhi group; Bedi group (4 ports); Okha group / Rupen Beyt; Porbandar group; Veraval group (5 ports); Pipavav group (3 ports); Bhavnagar group (2 ports); Bharuch group (3 ports); Magdalla group (8 ports) Maharashtra – Maharashtra govt. has decided to develop 07 minor ports viz. Rewas – Aware; Dighi; Jaigad; Anjanwel (Dabhol); Alewadi; Ganeshgule; Vijaydurg; and Redi. Of these, the development of Rewas – Aware; Dighi ports are already in progress through private sector participation. Maharashtra maritime board (MMB) has given priority to the development of ports, Alewadi [Thane] ; Rewas – Aware [Raigad] ; Anjanvel [Dabhol] ; Ganeshgule and Jaigad [Ratnagiri] ; Vijaydurg and Redi [Sindhudurg]
Greenfield ports [proposed]	Maharashtra (all weather ports) Bandra; Mora; Rajpuri; Ratnagiri and Vengurla. Gujarat Simar; Mithivirdhi; Vansi Borsi; Maroli; Bedi; Alang; Jageshwar (Dahej); Bhavnagar; Mahuwa; Navlakhi; Veraval and Mandvi.
Captive port terminals under operation by private industry	Maharashtra 1. Panvel (Ulwa – Belapur) – Gujrat Ambuja Cement Ltd. 2. Dharmatar – Ispat Industries Ltd. 3. Revdanda – Vikram Ispat Ltd. 4. Ratnagiri (Pawas – Ranpar) – Finolex Industries Co. Ltd. Gujarat 1. Pipavav – Mearsk Sealand 2. Hazira – Shell Gas 3. Mundra – Adani Ports Ltd.
Gujarat maritime board owned ports	Okha; Porbandar; Navlakhi; Rozi / Bedi; Bhavnagar; Mahua; Alang; and Dahej [Mainly in the Gulf of Kutch and the Gulf of Cambay].
Highways	NH8 (Delhi – Kishangarh); NH79A (Ajmer bypass); NH79 (Nassirabad – Chittaurgarh); NH76 (Chittaurgarh – Udaipur); NH8 (Udaipur – Mumbai); NH71B (Bhiwadi) Comes under Golden Quadrilateral; Six lane expressway from Ahmedabad to Dholera [Proposed]
Metro	Ahmedabad to Dholera [Proposed]

Connectivity to major ports:

JNPT, Mumbai is well connected by NH – 3, 4, 4B, 17 and SH – 54. The four / six laning of NH 4 and NH 4B are already completed, **with access controlled expressway** between Mumbai – Pune; widening and strengthening measures to ensure four / six lanes for the other NH 3, NH 17 and SH 54 is under progress.

Construction of Four-lane Amra Marg connectivity for the JN Port with a six-lane major bridge across Panvel creek is ongoing. Moreover, construction of an expressway between Mumbai and Nashik along NH 3 is under implementation.

Mumbai Port is connected to other parts of the country through NH-8, NH-3 (Kolkata), Nh-4 (Bangalore) and NH-17 (Goa/ Mangalore). In addition, the Anik-Panjorpole Link Road provides access between Mumbai Port, southern parts of Mumbai, Navi Mumbai and Eastern Expressway of Mumbai City.

Kandla Port, located along the west coast of India in Gujarat, is connected by two lane/four lane approaches which further links with NH 8A. Four laning of NH 8A has already been implemented.

For other Feeder National Highway linkages in DMIC states, widening and strengthening measures for ensuring four-lane dual carriageway is under various stages of implementation. It is important to note that widening measures for all the major bridges along the National Highways envisage six-lane dual carriageway to cater to long term requirements of traffic.

Moreover, the majority of augmentation measures for National Highways are being taken up under Public-Private Partnership format viz. Build-Operate-Transfer (BOT), Design-Build-Finance-Operate (DBFO) and others wherein several multinational companies have already been assigned to various construction contracts.

National Highway development projects also include obligations of public and private sectors to ensure further augmentation measures, six/eight laning, during the concession period to cater to increasing traffic.

Railway Link Routes:

The following rail lines join the two backbone rail routes at different rail junction points.

Delhi - Ratlam - Mumbai Route

1. Mathura Junction: Mathura junction - Jhansi - a Bhopal segment of the Delhi - Chennai trunk route.
2. Bayana: Bayana - Tundla link line connecting the Delhi - Mumbai route with the Delhi - Howrah trunk route.
3. Kota: Katni - Bina - Kota and Udaipur - Chittaurgarh - Kota lines.
4. Nagda: Itarsi - Bhopal - Ujjain - Nagda line.
5. Godhra: Anand - Godhra line.
6. Udhna: Bhusawal - Jalgaon - Udhna line.
7. Gothangam: Gothangam - Hazira line
8. Vasai Road: J N Port - Diva - Vasai line.

Delhi - Ajmer - Palanpur - Ahmedabad - Mumbai Route

1. Rewari: Bhatinda - Hissar - Rewari and Ludhiana - Hissar - Rewari lines.
2. Phulera: Jodhpur - Merta Road - Phulera line.
3. Ajmer: Ratlam - Chittaurgarh - Ajmer line.
4. Marwar Junction: Barmer - Jodhpur - Marwar line.
5. Palanpur: Gandhidham - Bhilil - Palanpur line serving the Kandla and Mundra Ports and the Kutch region of Gujarat.
6. Mahesana: Okha/ Porbandar/ Veraval-Rajkot-Surendra Nagar-Viramgam- Mahesana line which serves Okha, Porbandar, Veraval, Navlakhi, Bedi and Pipavav ports in the Saurashtra region of Gujarat.
7. Ahmedabad: Lines discussed at (V) and (VI) above also join Ahmedabad via Viramgam.
8. Udhna: As in the other route.
9. Vasai Road

Traffic exchange junctions will be set up at the following locations:

1. Dadri: With ICD Dadri and the eastern DFC.
2. Pirthala: With ICD Tughlakabad and movement between ICD Tughlakabad and ICD Dadri.
3. Rewari: For traffic Bhatinda and Ludhiana via Hissar.
4. Phulera: For traffic to and from Jodhpur-Marta Road and Jaipur-Agra Fort.
5. Marwar Junction: For traffic between Mumbai and Jodhpur
6. Palanpur: For traffic from and to Kandla and Mundra Ports and the Kutch region of Gujarat.
7. Aml Road: For traffic between Mumbai and ICD Sabarmati (Ahmedabad) and other destinations via Sabarmati.
8. Makarpura: For traffic between Mumbai region and Vadodara / Ahmedabad area and Vadodara - Ratlam - Kota route.
9. Gothangam: For traffic from and to Hazira Port and Hazira industrial cluster.
10. Vasai Road: For traffic from and to Mumbai Port, Konkan Railway, and Pune / Nashik areas.
11. Nhava-Sheva Yard: For Traffic from/to JNPT

Nodes:

Dadra - Noida - Ghaziabad (IR, 01, UP); Meerut - Muzaffarnagar (IA, 02, UP); Faridabad - Palwal (IA, 03, Haryana); Kundli - Sonapat (IR, 04, Haryana); Rewari - Hissar (IA, 05, Haryana); Manesar - Bawal (IR, 06, Haryana); Khushkhera - Bhiwadi - Neemarana (IR, 07, Rajasthan); Jaipur - Dausa (IA, 08, Rajasthan); Ajmer - Kishangarh (IR, 09, Rajasthan); Rajsamand - Bhilwara (IA, 10, Rajasthan); Pali - Marwar (IA, 11, Rajasthan); Vadodara - Ankleshwar (IA, 13, Gujarat); Bharuch - Dahej (IR, 14, Gujarat); Surat - Navsari (IA, 15, Gujarat); Valsad - Umbergaon (IA, 16, Gujarat); Dhule - Nardhana (IR, 17, Maharashtra); Gatpuri - Nashik - Sinnar (IR, 18, Maharashtra); Pune - Khed (IA, 19, Maharashtra); Alewadi / Dighi Port (IA, 20, Maharashtra); Neemuch - Nayagaon (IA, 21, Madhya Pradesh); Shajapur - Dewas (IA, 22, Madhya Pradesh); Ratlam - Nagda (IR, 23, Madhya Pradesh); Pithampur - Dhar - Mhow (IR, 24, Madhya Pradesh).
Shendra – Bidkin Industrial Park (Maharashtra).

Shendra – Bidkin Industrial Park (Maharashtra)

Total Area (Sq. Kms) – 84; Early Bird Projects: Shendra – Bidkin Mega Industrial Park, near Aurangabad; Mega Industrial Park at Dhule; **Consultants:** M/s AECOM, Hong Kong

Land Acquired: 3.90 lakh ha of Agricultural Land

Smart Cities:

The Global City Project, Haryana: Area – 1100 acres close to Gurgaon; Multi Modal Logistics City at Rewari: Area – 900 acres; Indore; Dholera; Ajmer

Cities for long term growth [Integrated Industrial Townships and Others]:

Muzaffarnagar; Rewari; Hissar; Ajmer; Valsad; Khed; Ratlam

Power:**1. Gas based Power Plants of capacity 1000 – 1200 MW each Sites:**

Ville Bhagad, District Raigad, Maharashtra; Chainpura, District Guna, Madhya Pradesh; Indapur, District Pune, Maharashtra; Vaghel, District Patan, Gujarat; Rajpur – Shahpur, District Mehsana, Gujarat

2. Model Solar Power Project – Neemrana, Rajasthan [Proposed]**3. Hydro Power Plants**

S. No.	Name	Location	Generation Capacity (MW)	Source of Water
1	Rana Pratap Sagar	Rawatbhata, Rajasthan	172	Chambal River
2	Gandhi Sagar	Mandsaur, MP	115	Chambal River
3	Jawahar Sagar	Kota, Rajasthan	99	Chambal River
4	Ukai	Tapi, Gujarat	850	Tapi River

4. Thermal Power Plants

S. No.	Name	Location	Generation Capacity (MW)	Source of Water
1	Faridabad	Closed	--	--
2	Harduaganj	Aligarh, UP	665	Upper Ganga Canal
3	Kota	Kota, Rajasthan	1241	Chambal River
4	Gandhinagar	Gandhinagar, Gujarat	870	Sabarmati River
5	Wanakbori	Kheda, Gujarat	1470	Mahi River
6	Janor – Gandhar	Bharauch, Gujarat	648	Narmada River
7	Surat / Nani Naroli	Surat, Gujarat	600	Narmada River
8	Kewas / Aditya nagar	Surat, Gujarat	645	Hazira Branch Canal Singanpur Weir
9	Nasik	Nasik, Maharashtra	880	Godavari River

5. Nuclear Reactors

Kakrapar Atomic Power Plant – Total Installed Capacity: 470 MWe (existing) + 1000 MWe (Proposed); Water Requirement: 120 Cusecs + 72.5 Cusecs [Fresh Water]; Source of Water: Karkrapar Left Bank Canal (Takes off from Karkrapar Weir on the River Tapi); Release of Water: Moticher Lake; Population: 22,383 (within 16 Kms of radius)

Rajasthan Atomic Power Plant – Total Installed Capacity: 1180 MWe (existing) + 1400 MWe (Proposed); Water Requirement: Source of Water: Rana Pratap Sagar Dam and Gandhi Sagar Dam.

Tarapur Nuclear Reactor – Total Installed Capacity: 1400 MWe (existing); Source of Water: Sea Water.

NIMZs / IRs / IAs:

Name of IRs / IAs / NIMZs	Total Area (Sq. Kms)	Total Water Required	Total Power Required	Early bird projects	Consultants
Dadra - Noida - Ghaziabad (IR, 01, UP)	200			<ol style="list-style-type: none"> 1. Development of Boraki Railway Station as Passenger and Commercial Cargo Hub 2. Multi Modal Logistics Hub at Dadri 3. Power Project at Greater Noida 4. Mass Rapid Transit System (MRTS) between Dadri – Noida – Ghaziabad Investment Region and Delhi 	Consortium led by M/s Halcrow, UK
Manesar - Bawal (IR, 06, Haryana)	402			<ol style="list-style-type: none"> 1. Integrated Multi Modal Logistics Hub at Rewari 2. Exhibition Cum Convention Centre in the NCR 3. Mass rapid transit system connecting IGI – Gurgaon – Manesar – Bawal – Rewari – Neemrana 	Consortium led by M/s Jurong, Singapore
Khushkhera - Bhiwadi - Neemrana (IR, 07, Rajasthan)	165			<ol style="list-style-type: none"> 1. Development of Aerotropolis between Jaipur and Neemrana 2. Road Link connecting Bhiwadi and Neemrana 3. Development of Knowledge City 	Consortium led by M/s Kuiper Compagnons, Holland
Pali - Marwar (IA, 11, Rajasthan)	155				M/s Parsons
Ahmedabad - Dholera (IR, 12, Gujarat)	920 (580 outside CRZ + 340 under CRZ)	950 million litres/day (MLD)	1700 MW	<ol style="list-style-type: none"> 1. Mega Industrial Park at Dholera 	Consortium led by M/s Halcrow, UK
Alewadi / Dighi Port (IA, 20, Maharashtra)	253			<ol style="list-style-type: none"> 1. MMLP and ICD at Karla near Pune 2. Transportation and Tele – Communication network in adjoining region with reference to Pune – Nashik and Pune – Aurangabad highways 3. Convention cum Exhibition Center at Aurangabad 	M/s AECOM, Hong Kong
Pithampur - Dhar - Mhow (IR, 24, Madhya Pradesh)	372.4			<ol style="list-style-type: none"> 1. Water Supply to Pithampur from Mahi Dam 2. Economic Corridor between Indore Airport and Pithampur 3. Integrated Multi – Modal Logistics Hub – (1.8 Sq. Kms) 4. Knowledge City, Ujjain (Vikram Udyogpuri) - (443.79 ha) 	Consortium led by M/s Lea Associates South Asia

