



National Highways Authority of India



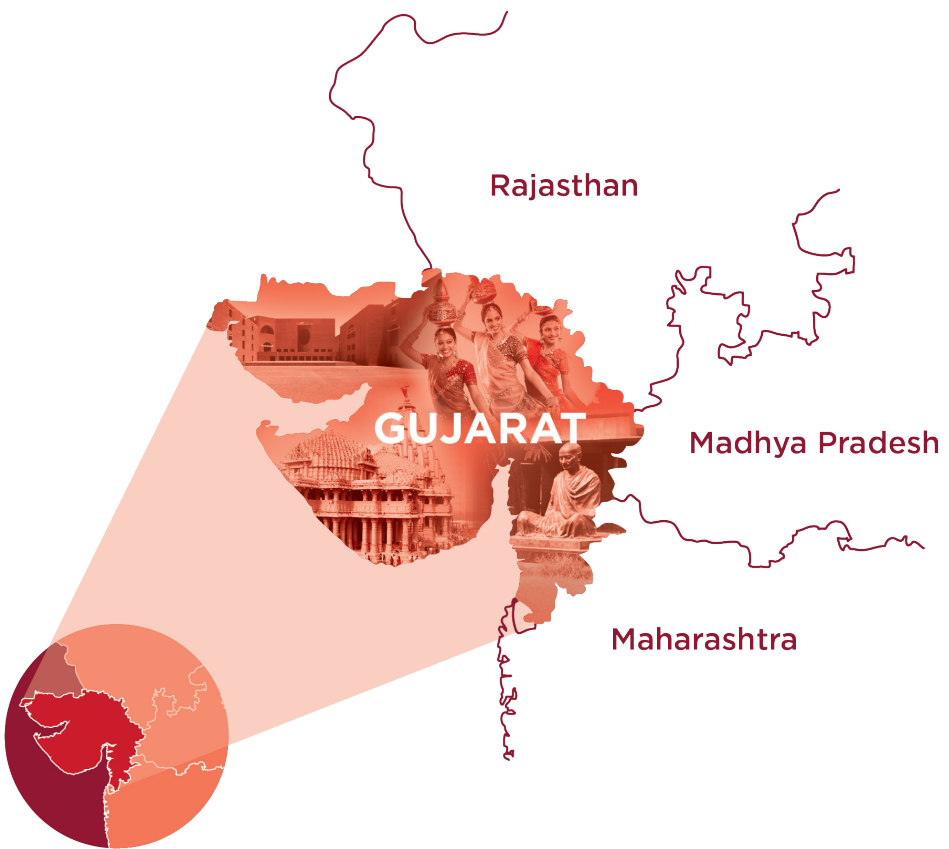
BHARATMALA
ROAD TO PROSPERITY



PRAGATI
KI NAYI GATI



GUJARAT
GETS GOING



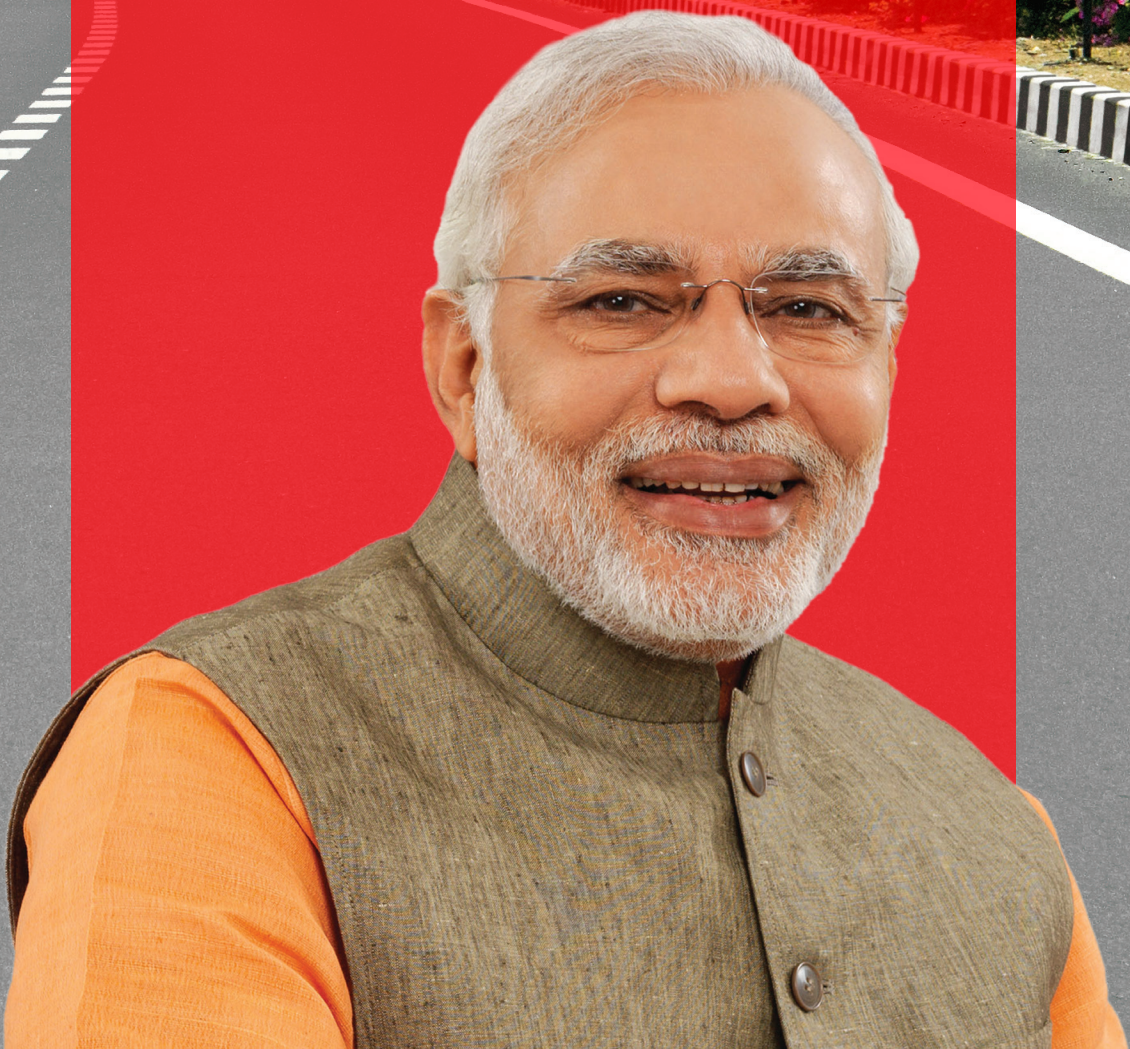
The State of Gujarat is well known for its booming trade sector. The construction of new National Highway infrastructure such as the Bharuch Bridge has strengthened socio economic ties with neighbouring States in the past four years. 2,547 km of National Highways have been developed through 39 major and minor projects. In 2018, the length of National Highways have reached 7,873 km. In the coming years many more road development projects will be undertaken in Gujarat, with investments worth Rs. 1 lakh Cr.

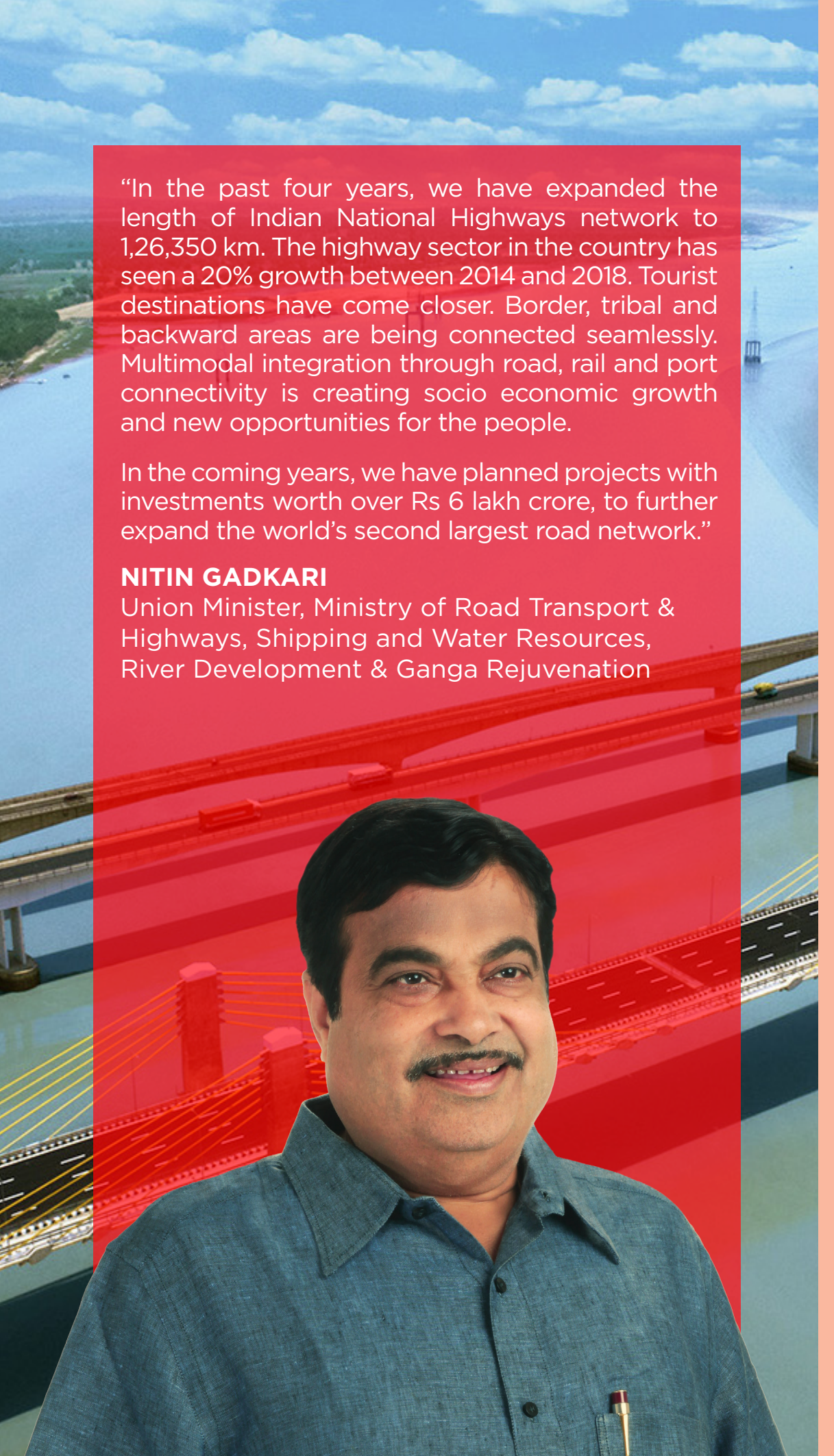


“When a network of good roads is created, the economy of the country also picks up pace. Roads are veins and arteries of the nation, which help to transform the pace of development and ensure that prosperity reaches the farthest corners of our nation.”

NARENDRA MODI

Prime Minister



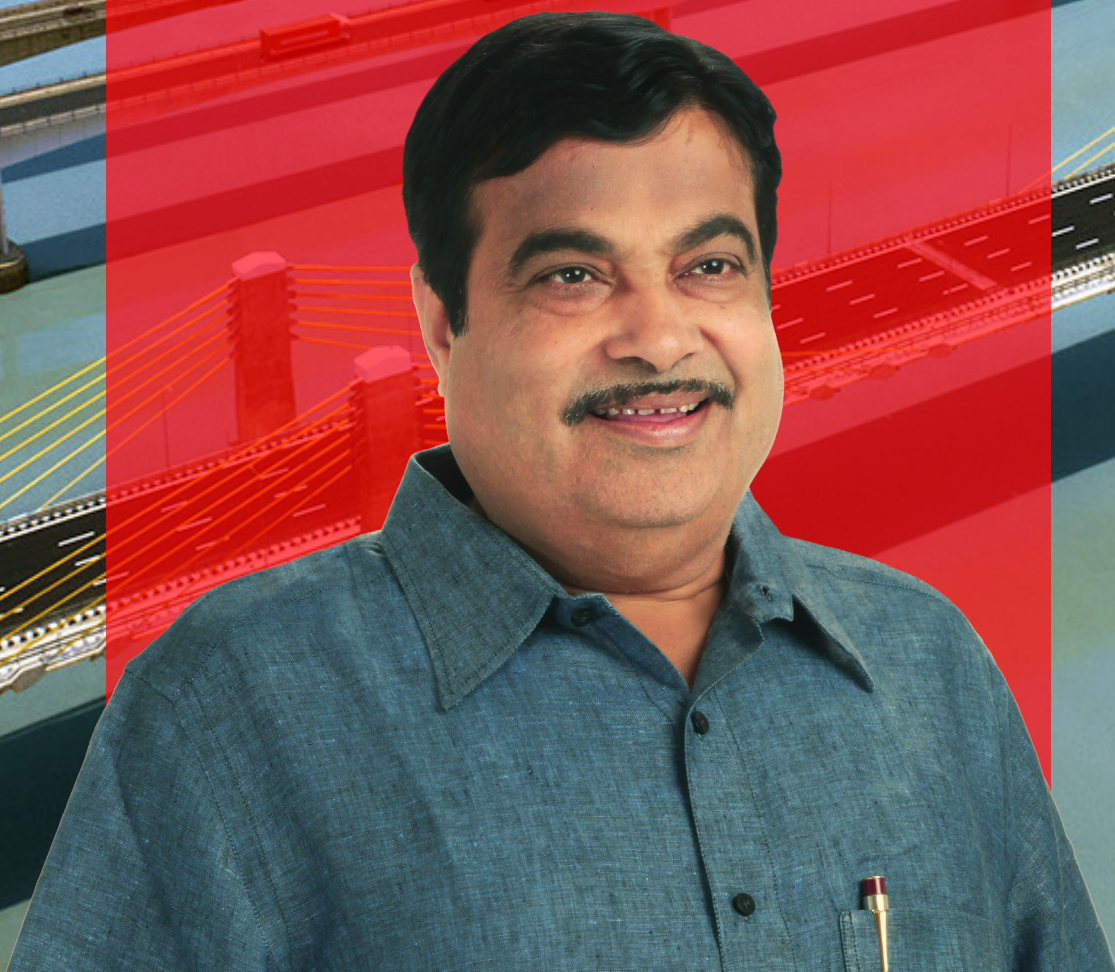


“In the past four years, we have expanded the length of Indian National Highways network to 1,26,350 km. The highway sector in the country has seen a 20% growth between 2014 and 2018. Tourist destinations have come closer. Border, tribal and backward areas are being connected seamlessly. Multimodal integration through road, rail and port connectivity is creating socio economic growth and new opportunities for the people.

In the coming years, we have planned projects with investments worth over Rs 6 lakh crore, to further expand the world’s second largest road network.”

NITIN GADKARI

Union Minister, Ministry of Road Transport & Highways, Shipping and Water Resources, River Development & Ganga Rejuvenation



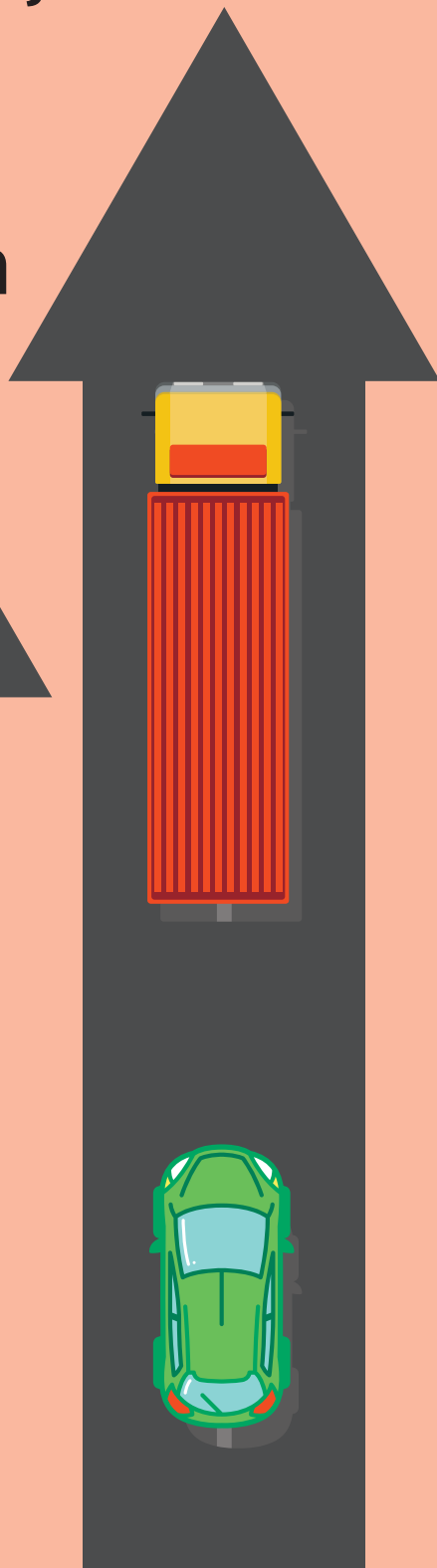
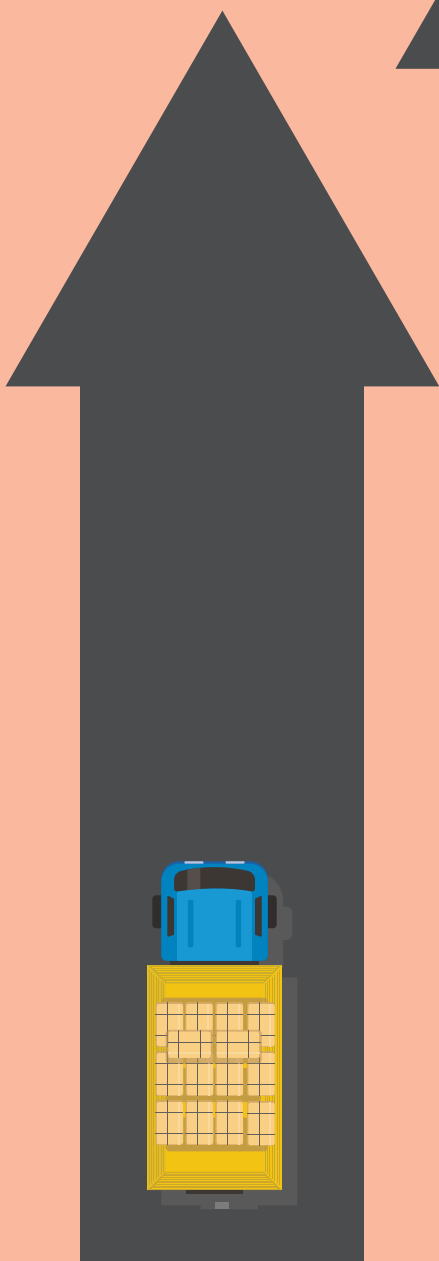
Fast tracking National Highway development in Gujarat

NH + IN PRINCIPLE NH LENGTH
UPTO YEAR 2018

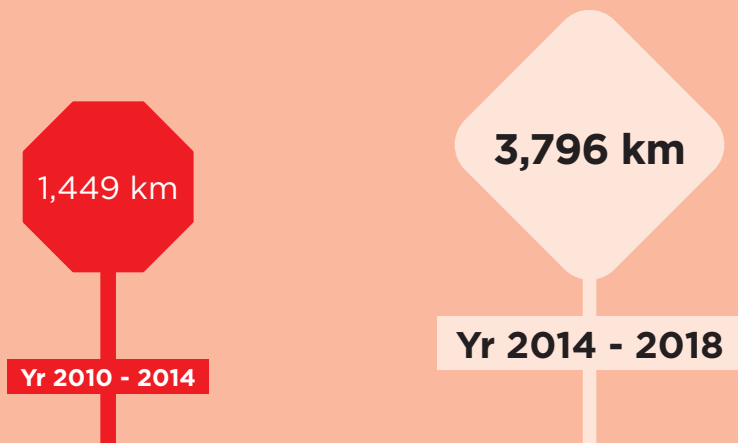
7,873 km

NH LENGTH
UPTO YEAR 2014

4,077 km



Adding new National Highways in Gujarat



New NH

New NH & In principle NH length



3,796 km of new and in-principle National Highways have been added in the State of Gujarat over the past four years

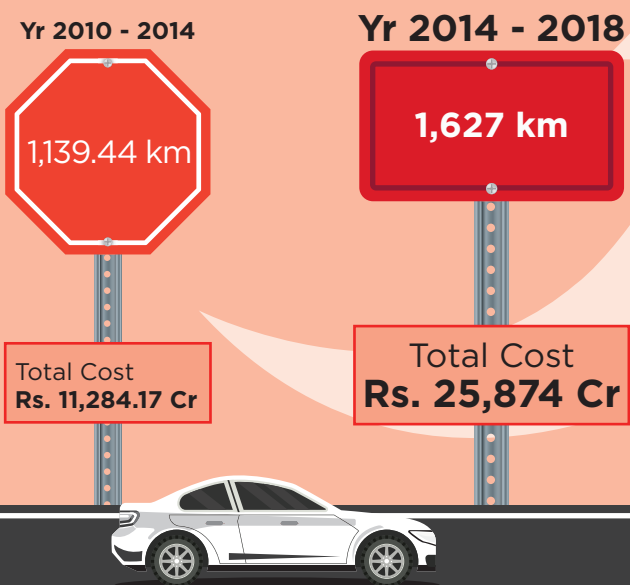
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन एवं राजमार्ग मंत्रालय)
भारत सरकार

राष्ट्रीय राजमार्ग - ८ पर भरूच में
नर्मदा नदी पर चारमार्गीय एक्सट्राडोज्ड सेतु
राष्ट्र को समर्पित
द्वारा

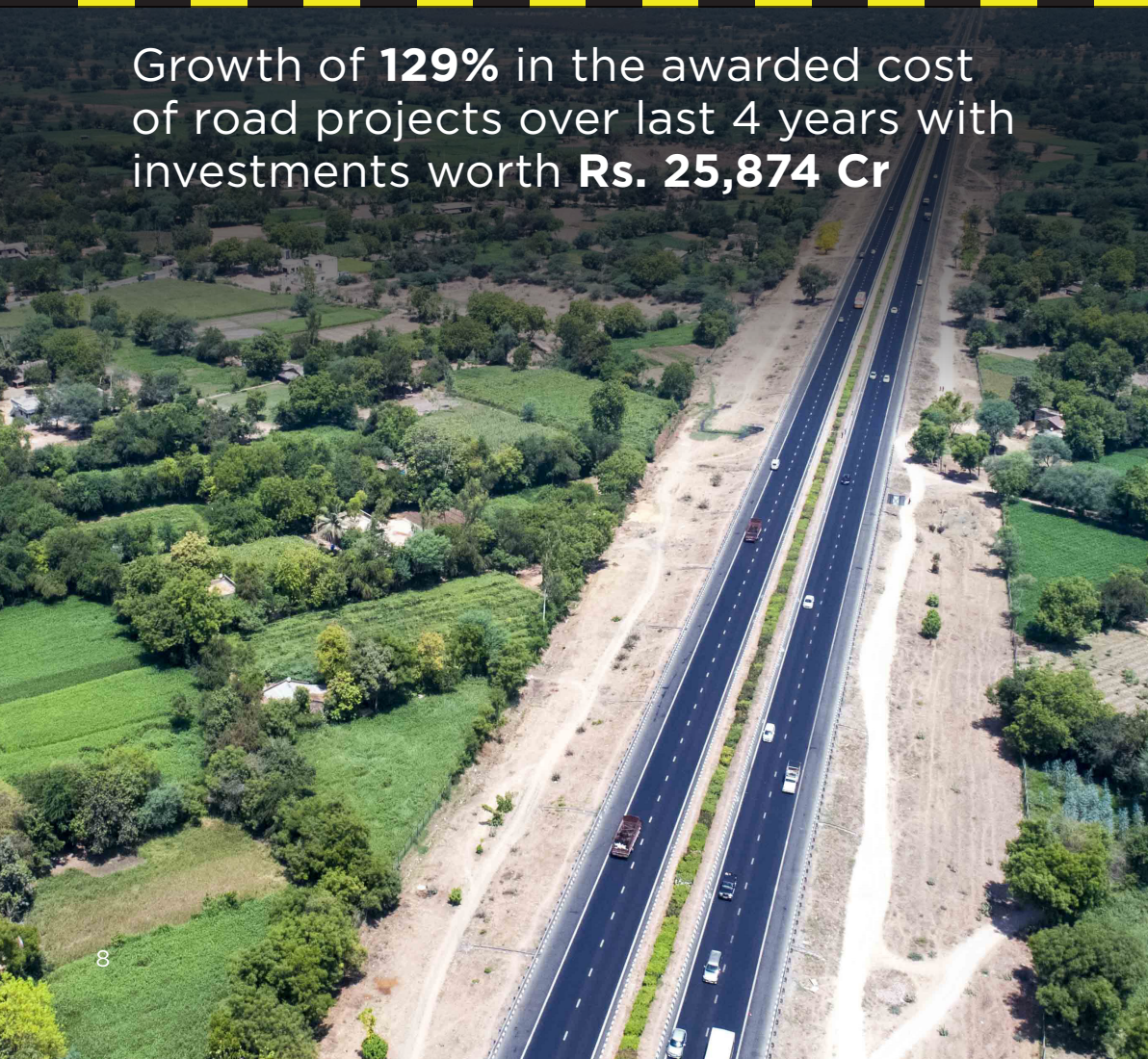




Road Projects awarded in Gujarat



Growth of **129%** in the awarded cost of road projects over last 4 years with investments worth **Rs. 25,874 Cr**



Accelerated NH Development under Central Road Fund (CRF) in Gujarat

Yr 2010 - 2014



Total Cost
Rs. 318.11 Cr

Yr 2014 - 2018



Total Cost
Rs. 2,050 Cr



Significant increase of **544%** in cost of CRF works sanctioned for the upgradation & improvement of roads & bridges in the State



Landmark Projects in Gujarat



Bridge on River Narmada at Bharuch

The pride of Gujarat, India's largest Extradosed Bridge has been completed on the River Narmada at Bharuch on NH 48.

The new bridge has enhanced trade and socio-economic development in South Gujarat and the Ahmedabad-Mumbai section of the Golden Quadrilateral in particular.

At a Glance

6.745 km Total length of the project

1.4 km length of Major Bridge

4.225 km length of Service road

Rs. 379 Cr total cost

Benefits

- Has ensured faster traffic movement
- Has resulted in greater savings in fuel and travel time





Vadodara-Mumbai Expressway

The link between the Ahmedabad-Vadodara and Mumbai-Pune Expressways, this road will provide express connectivity from Ahmedabad to Pune for a length of about 650 km. From Vadodara to Maharashtra border, 260.4 km of this road is in Gujarat. Work has been awarded for 5 packages worth Rs. 8711 Cr.

The journey from Ahmedabad to Mumbai will be completed in 4-5 hours on this Expressway.

At a glance

Phase I: Main Expressway

Total Length – 274 km

Phase I A - 125 km Vadodara to Kim

Phase I B – 150 km Kim to Talasari

Phase II: Main Expressway

Total Length – 173 km (in Maharashtra only)

Phase III: Main Expressway

Total length- 26 km (in Thane-Palaghat-Maharashtra)

Okha-Byet Dwarka Sea Bridge

A signature Cable Stayed bridge with largest span of 500 m has been awarded to connect Okha to Beyt Dwarka sea creek. The project is scheduled for completion in September 2021.

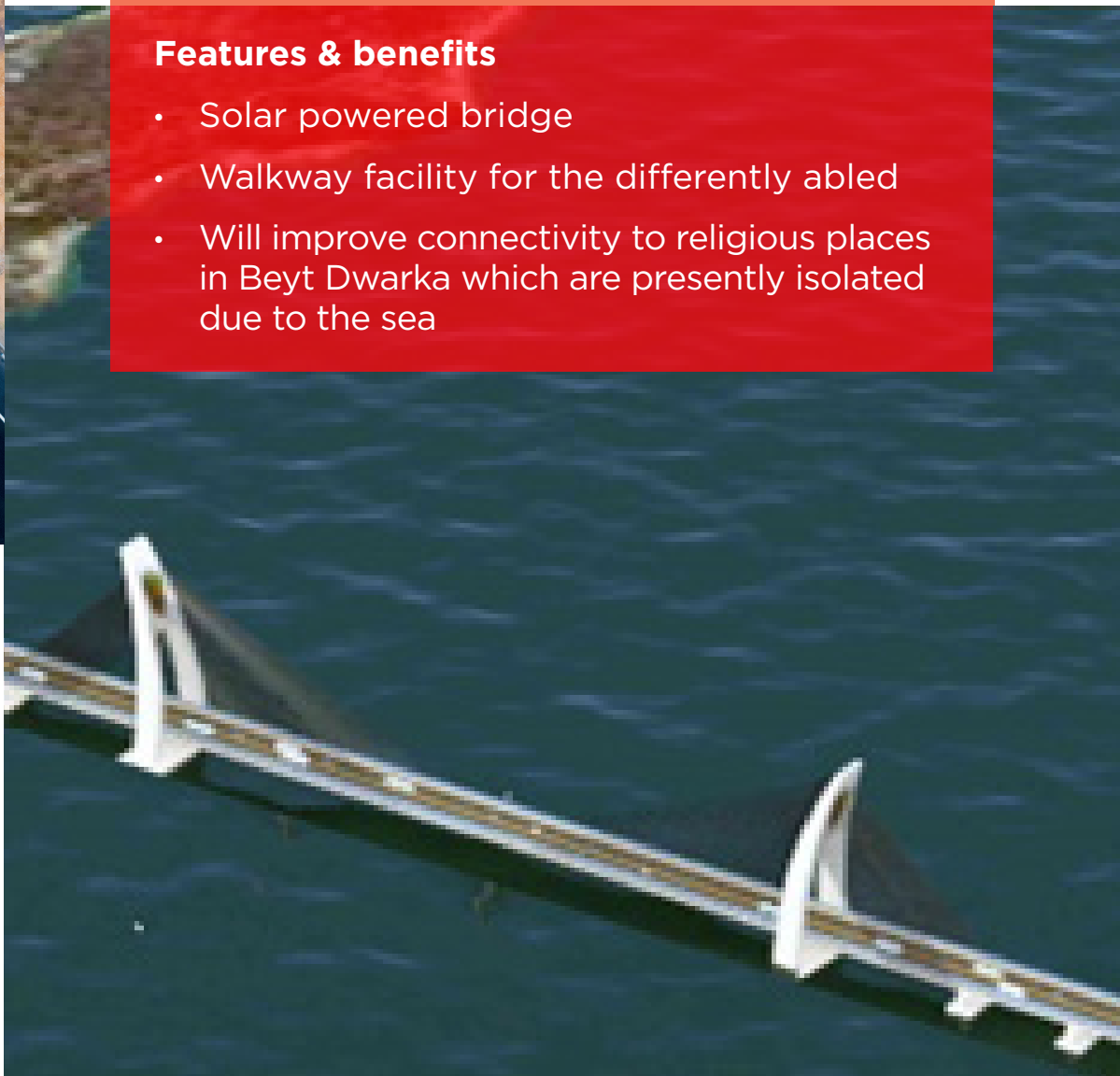
At a glance

4.56 km length

Rs. 962.46 Cr project cost

Features & benefits

- Solar powered bridge
- Walkway facility for the differently abled
- Will improve connectivity to religious places in Beyt Dwarka which are presently isolated due to the sea





ROB at NH-8B & NH-51 junction

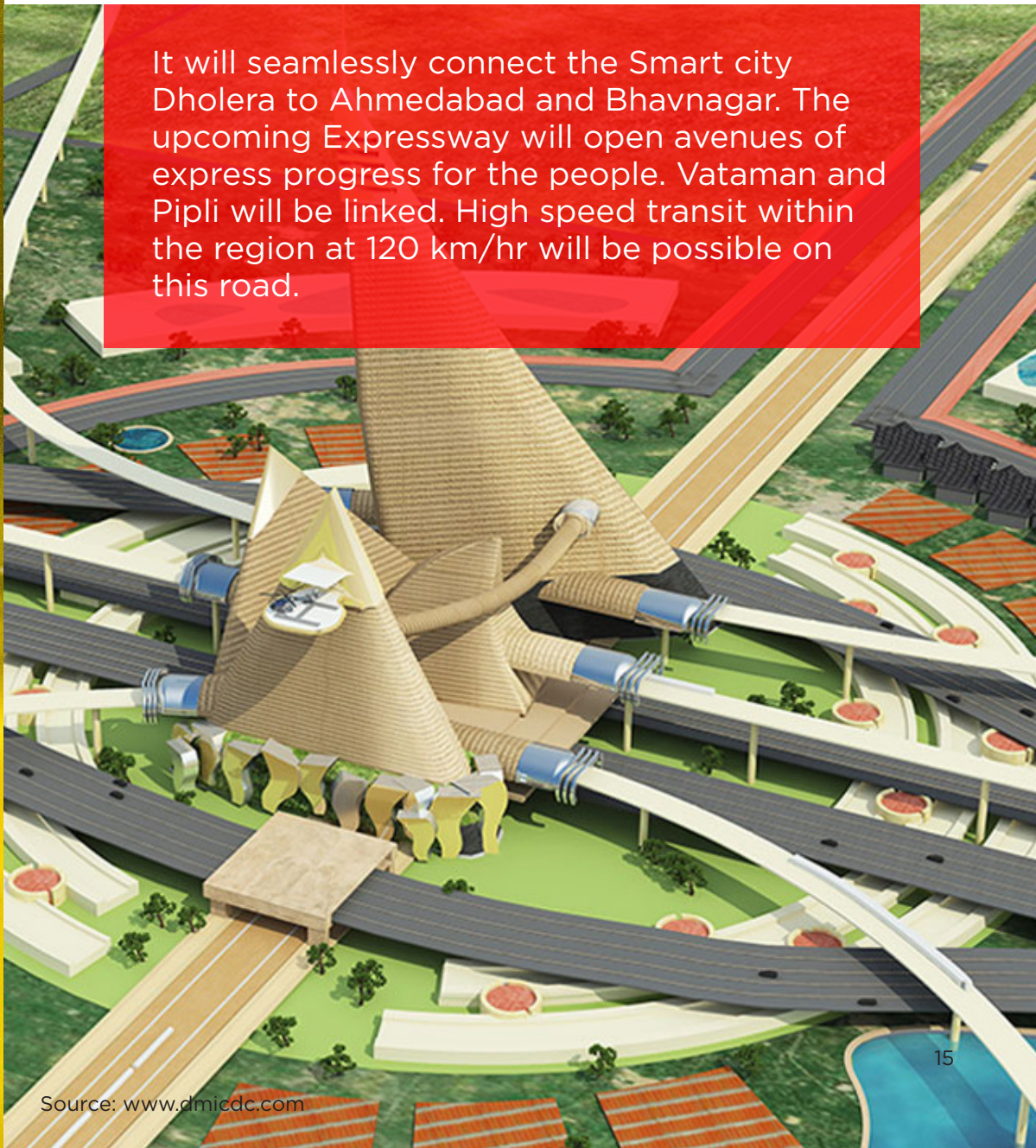
The construction of grade separator cum ROB and level crossing at the junction point of NH-8B and NH-51 in Porbandar Town worth Rs. 98 Cr, was completed in July 2016 to decongest traffic bottlenecks.

The project will save travel time and cost for travelers to Porbandar city, while adding socio economic benefits for the people.

Ahmedabad – Dholera Expressway

The upcoming Ahmedabad – Dholera Expressway will be a dedicated expressway for the Dholera Special Investment Region. To be built as a 6 lane dual carriageway highway with provisions to extend it up to 10 lanes, this project has been proposed in the master plan of the Delhi Mumbai Industrial Corridor and approved by the central government . The estimated project cost is over Rs. 6,500 Cr.

DPR and land acquisition is under process.



It will seamlessly connect the Smart city Dholera to Ahmedabad and Bhavnagar. The upcoming Expressway will open avenues of express progress for the people. Vataman and Pipli will be linked. High speed transit within the region at 120 km/hr will be possible on this road.



Bhavnagar-Somnath-Dwarka Coastal Highway

A coastal Highway in Saurashtra section connecting Bhavnagar with Somnath, Gir-Somnath and Diu, Porbandar and Devbhoomi Dwarka is being widened to 4 lanes.

At a glance

473.2 km length

Rs. 6,290 Cr total cost

Benefits

- Will result in comfortable travel, while saving time
- Will seamlessly connect Dwarka to Somnath through Porbandar, Diu, Gir forest wildlife sanctuary and the hub of trade and commerce Bhavnagar
- Will improve road-port connectivity for commercial vehicles travelling along the Gujarat coast

Gandhinagar – Sarkhej

The Gandhinagar-Sarkhej section of NH8C is will be widened to 6-lanes with service lanes on both sides at a cost of Rs. 845.98 Cr.

Being built as a signal free corridor, the 44 km stretch will reduce travel time between Gandhinagar to Ahmedabad to 30 mins. The work has been awarded and likely to be completed by September 2020.

At a glance

44 km
total length

Rs. 845.98 Cr
total cost

11 Flyovers & Grade
Separators

3.37 km
Elevated Corridor



Ongoing Projects of MoRTH in Gujarat

Sl. No.	Lok sabha constituency	Project Name	NH No (New)	Sanctioned Cost/TPC (Rs Cr)	Total Length in km	Date of Start	Likely date of completion
1	Anand	Widening up to paved side shoulder & Strengthening of Una - Delvada section	251	18	11	Jan-17	Dec-18
2	Banaskantha	Strengthening of 2 lane pavement on Khoda-Tharad and Vav-Suigam Section	68	58	57	Nov-16	Nov-18
3	Bharuch & Surat	Widening & Strengthening of existing road on Digas - Hasot - Rayma - Sunevkalla - Sahol - Vadoli - Kadrama Section	64	40	27	Dec-17	Nov-18
4	Jamnagar	Widening & Strengthening on selected stretch of Ahmedabad-Dandi Route (Package-1)	64	48.21	16.28	Jul-17	Jun-18
5	Gandhinagar, Dahegam	Widening upto paved side shoulder & Strengthening of Tad - Keshariya Section	251	15	8	Sep-17	Dec-18
6	Junagadh	Construction of paved side shoulder in 40 km stretch of NH-41	41	31.44	40	May-17	Mar-18
7	Mehsana, Palanpur	Widening & Strengthening of existing carriageway with two lane paved side shoulder in Khokhra - Gujarat border, Vijaynagar - Vadali - Dharoi - Satlasana - Palanpur Road	58	36.85	23	Feb-17	May-18
8	Chhotaudepur	Widening from two lane to four lane with paved shoulder and strengthening of existing pavement Road connecting Statue of unity Devalliya to Rajpipla including reconstruction of old and narrow bridge on NH-56	56	161	24	Feb-17	Feb-19
9	Valsad	Upgradation to 2 lane with paved shoulder with rigid pavemets of Kaprada to Rajbari Section	848	141	29	Feb-17	Feb-19
10	Valsad	Widening up to Paved side shoulder & Strengthening in 8 km of NH 848B	848B	21	8	Feb-17	Jun-18



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Ongoing Projects of NHAI in Gujarat

Sl. No.	Lok Sabha Constituency	Project Name	NH No (New)	Project Cost (Rs. Cr)	Total Length in km	Date of Start	Likely date of completion
1	Bhavnagar	Pipli Bhavnagar-Section Package 1 Near Adhelai Village to Nari Junction	751	820	33.31	Appointed Date pending	-
2	Gandhinagar, Sabarkantha	Shamla ji to Motachilodha	8	1361	93.21	Appointed Date pending	-
3	Ahmedabad, Gandhinagar	Chiloda-Naroda (PKG-VII)	8	247	15.31	Nov-17	May-19
4	Ahmedabad West, Vadodara, Anand	Ahmedabad to Vadodara	8	2125	102.3	Jan-13	May-18
5	Bharuch	Narmada Bridge (Vadodara-Surat Section)	8	546	6.75	Mar-14	May-18
6	Kachchh	Bhimasar Junction Anjar-Bhuj up to Airport Junction	341	1152	59.54	Appointed Date pending	Agreement signed in May-18
7	Kachchh	Kandla - Mundra Port	8A	954	71.4	Jan-11	Dec-18
8	Junagadh	Junagadh Bypass	151	232	20	May-18	Nov-19
9	Morbi	Construction of Flyover with approaches at Halvad cross road on Bamanbore - Garamore section	8A	22	0.8	Feb-17	Aug-18
10	Junagadh, Rajkot	Jetpur - Somnath	8D	828	123.45	Mar-12	-
11	Porbandar, Devbhumi dwarka	Porbandar-Dwarka	51	1959	118	Dec-18	-
12	Junagadh, Porbandar	Gadu - Porbander	8E	512	92	Sep-17	Sep-19
13	Bhavnagar, Amreli	Mahuva to Kagavadar section of PKG-III	8E	763	45.46	May-17	Nov-19
14	Bhavnagar	Bhavnagar - Talaja	8E	998	48.04	Feb-17	Aug-19
15	Amreli	Kagavadar - Una	8E	724	40.02	Mar-17	Sep-19
16	Bhavnagar	Talaja - Mahuva	8E	835	48.45	Apr-17	Oct-19
17	Una, Junagadh	Una - Kodinar	8E	763	40.95	Feb-17	Aug-19
18	Junagadh, Amreli	Kodinar to Veraval	8E	793	41.74	Feb-18	Jan-20
19	Vadodara	Vadodara Mumbai Expressway Pkg II - Sanpa to Padra Section	-	1865	32	Appointed Date pending	-
20	Bharuch	Vadodara Mumbai Expressway Pkg III (Manubar to Sanpa Section)	-	1712	31	Appointed Date pending	-
21	Bharuch	Vadodara Mumbai Expressway Pkg IV (Ankleshwar to Manubar Section)	-	1687	13	Appointed Date pending	-



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Ongoing Projects of NHAI in Gujarat

Sl. No.	Lok Sabha Constituency	Project Name	NH No (New)	Project Cost (Rs. Cr)	Total Length in km	Date of Start	Likely date of completion
22	Bharuch, Bardoli	Vadodara Mumbai Expressway Pkg V (Kim to Ankleshwar Section)	-	1404	24.57	Appointed Date pending	-
23	Vadodara	Vadodara Mumbai Expressway Pkg I (Padra to Vadodara Section)	-	2043	23.74	Appointed Date pending	-
24	Surat, Bardoli	Gujarat / Maharashtra, Border-Surat - Hazira Port Section	6	-	132.9	Mar-10	Aug-18
25	Bardoli, Navsari, Valsad, Palghar, Thane	Surat - Dahisar	8	-	239	Feb-09	-
26	Bardoli	Kamrej - Chalthan	8	426	16.73	Mar-17	Mar-19

In-Principle declared NH in Gujarat

Sl. No.	Stretch	Tentative Length (km) As on 30/11/2017
1	Maliya (on NH-27)- Amaran- Dhrol- Jamnagar- Khambhaliya- Dwarka- Okha road (NH-51)	290.00
2	Bhavnagar (on NH-51)- Dholera - Vataman junction- Fatehpur- Khambhat- Gambhira Bridge- Karjan (on NH-48)	200.00
3	Narayan Sarovar (on NH-41)- Lakhpat	33.00
4	Ankleshwar (on NH-48) - Jhagadia- Rajpipla (on NH- 56)- Kevadia Colony road	72.00
5	Dwarka (on NH-51)- Okha- Byet Dwarka including Signature Bridge	40.00
6	Mahešana (on NH-68) - Visnagar- Vadnagar- Idar (on NH-58)- Shamlaji (on NH-48)	141.00
7	Jherda to Junction of NH 168 near Panthavada	22.00
8	Una-Dhari-Bagsara-Amreli-Babra-Jasdan-Chotila	280.20
9	Nageshri-Khambha-Chalala-Amreli	86.00
10	Porbandar-Bhanvad-Jamjodhpur-Kalavad	147.21
11	Anand-Kathlal- Kapadvanj-Bayad-Dhansura-Modasa to NH-8	134.10
12	Lakhpat-Gadhuli-Hajipur-Khavda-Dholavira-Mauvana-Santalpur	258.56
13	Khambhaliya-Advana-Porbandar (NH-8B)	71.00
14	Chitrod-Rapar-Dholavira road	109.00
15	Khambhaliya-Bhanwad-Ranavav (upto junction of NH-8B)	80.00
16	NH 753 B Nadurbar- Taloda- Akkalkua- Ankaleshwar (Maharashtra= 0 km; Gujrat= 48 km)	48.00
Sub Total		2012.07
17	Idar- Shamlaji	24.00
18	Talaja (NH-8E) -Palitana-Sihor	64.00
19	Bodeli (NH-56) -ChampanerPavagadh Archeological Park -Godhra (NH-47)	80.00
Sub Total		168.00
Total		1850.07

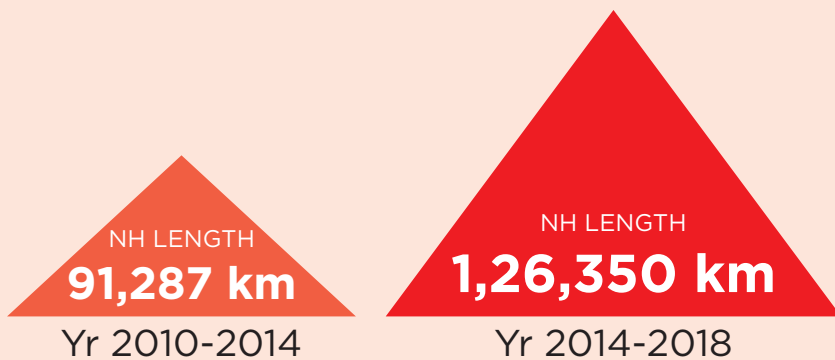
Key Indian National Highways



National Highways - India Story

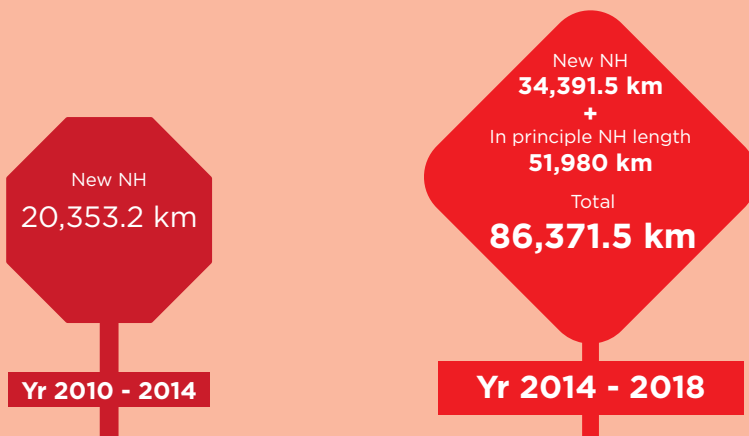
Fast tracking National Highway Development

Building National Highways A new Pace of Progress



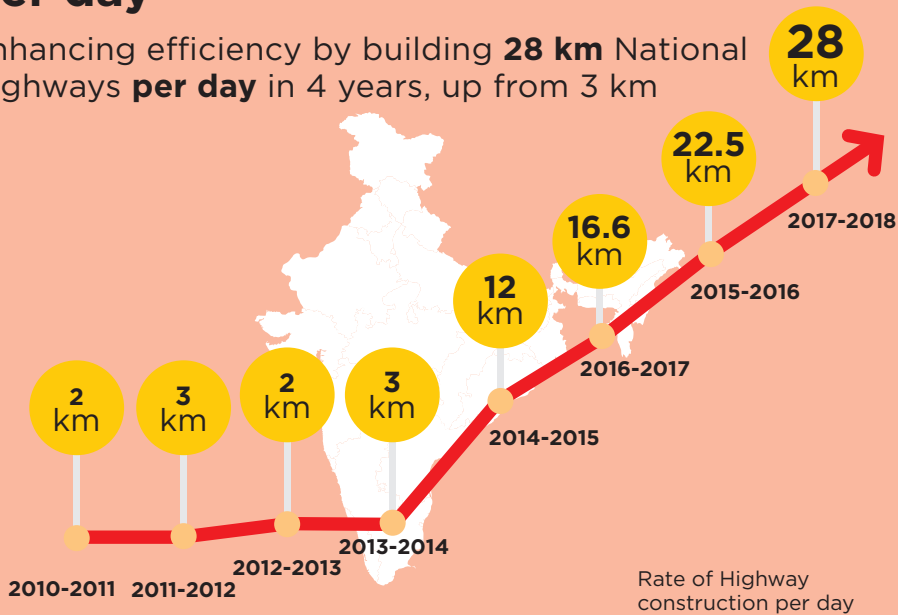
New National Highways being built

86,371.5 km of New and In-Principle National Highways added in 4 years



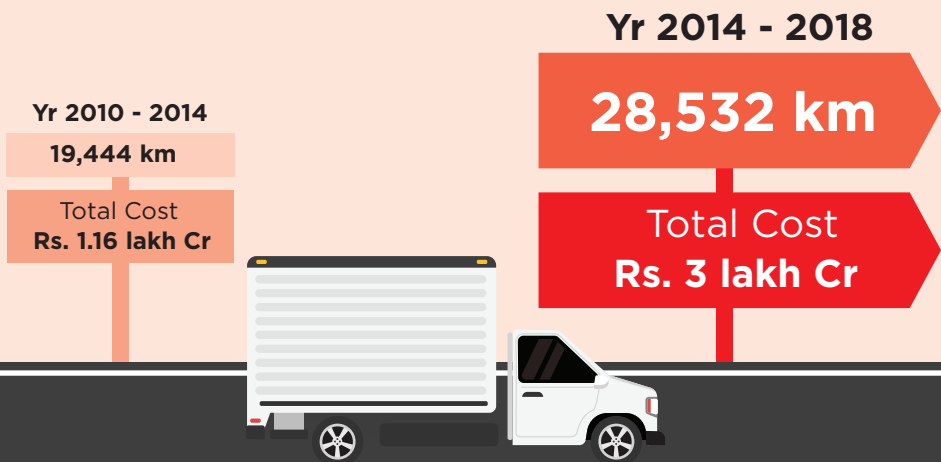
Adding more National Highways per day

Enhancing efficiency by building **28 km** National Highways **per day** in 4 years, up from 3 km



Construction of roads

Rs. 3 lakh Cr worth investments in the road sector in 4 years
Significant growth of 158%



Road Projects Awarded

100% increase in projects awarded with investments of over **Rs. 4.68 lakh Cr**

Yr 2010-2014

Road Length

25,609 km

Total Cost

Rs. 1.62 lakh Cr

Yr 2014-2018

Road Length

51,075.32 km

Total Cost

Rs. 4.68 lakh Cr

Accelerated NH development under Central Road Fund (CRF)

Significant increase of **207.6%** in cost of CRF works sanctioned for the upgradation & improvement of roads /bridges in the Nation

Yr 2010 - 2014

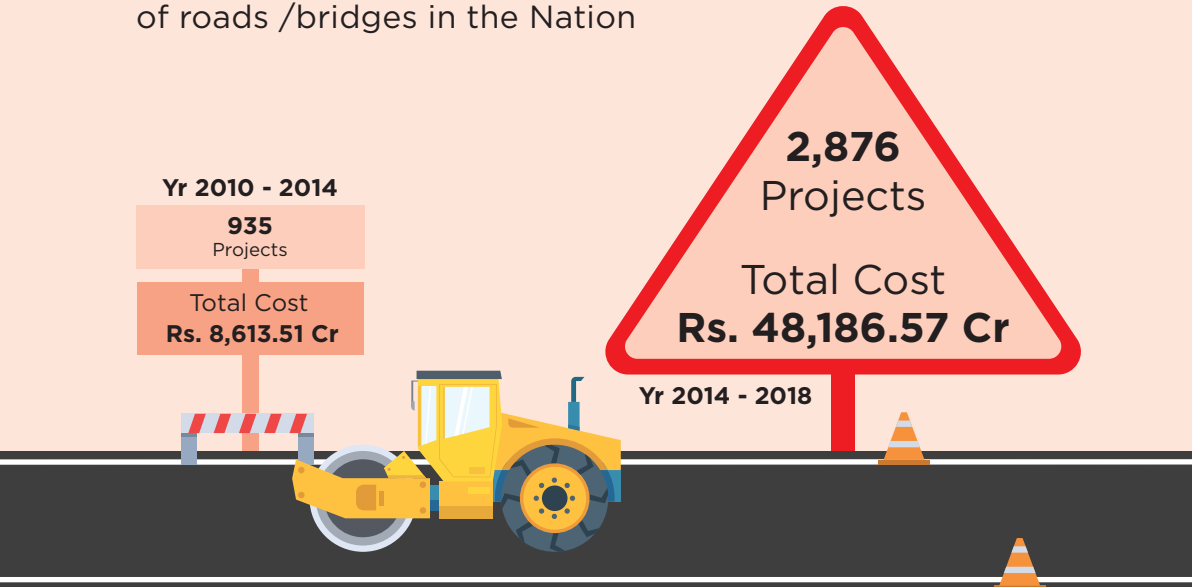
935
Projects

Total Cost
Rs. 8,613.51 Cr

2,876
Projects

Total Cost
Rs. 48,186.57 Cr

Yr 2014 - 2018



Transforming India's Transport Sector

Key initiatives in 2014 -2018

Over the past four years, various smart initiatives on Indian National Highways have resulted in transparent processes, last mile connectivity, safer roads, upskilling, new opportunities and employment for the people.



Motor Vehicle (Amendment) Bill 2017: To bring transparency, reduce corruption



E Toll - FASTag to enhance efficiency, and reduce long queues at Toll plazas



E-Rickshaws for last mile connectivity



Exemption from the requirement of commercial licence for LMV and LCV drivers



Driving training schools in every district for skill development



0.2%-15% decrease in road accidents and fatalities till 2017



Road Safety Annual Plan



Greater Compensation for accident victims of upto Rs. 5 lakhs



Partnering with NGOs to ensure road safety



Green buses and electric vehicles have been introduced. Emission standards have been upgraded for vehicles. BS VI norms along with bio fuel B-100, flex-fuel E-85 or E-100 & ethanol ED-95, methanol M-15 or M-100 and methanol MD-95 have been standardised

15% methanol blending can result in the replacement of around 31.9 million tons of crude oil. With crude oil prices at USD 54 per barrel, the use of clean energy biofuels will reduce fuel costs resulting in significant savings. Compared to neat gasoline, M-15 reduces CO and HC emission by 40%. Biofuels will help in reducing vehicle pollution levels in India



**Anti Lock Braking System
ensuring vehicle and
passenger safety**



**Model Automated
Centres for checking
fitness of vehicles**



**Vehicle Fleet modernization
programme**



**Simplified forms for
obtaining driving licences**



**Increasing Speed Limits from
100 km/h to 120 km/h, at par
with the global practices**



**Taxi Policy Guidelines to
ensure safe, secure and
affordable journeys, while
reducing congestion
as well as pollution in cities**



**Indian Bridge Management System (IBMS), the world's
largest inventory of bridges, has been created for proper
maintenance of these structures. Till date 1,72,519
bridges of all ages and structures have been inventoried
across India, and assigned GPS based Location Numbers,
Classification Numbers based on features, Structural Rating
& Socio-Economic Rating numbers**



**789 black spots have been identified and assigned unique
ID numbers. Guidelines have been prepared and notified for
investigation and rectification of these road accident-prone
black spots on National Highways. 265 spots have already
been rectified**

**Rectification measures at 318 spots have been sanctioned
and are in various stages of implementation. 139 spots are on
State Government roads or with other agencies. Remaining
67 spots would be taken up separately or rectified as part of
ongoing projects**

Manzilen Abhi Aur Bhi Hain



Saaf Niyat

Sahi Vikas



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