



Ministry of Road Transport & Highways  
Government of India



National Highways Authority of India



BHARATMALA  
ROAD TO PROSPERITY

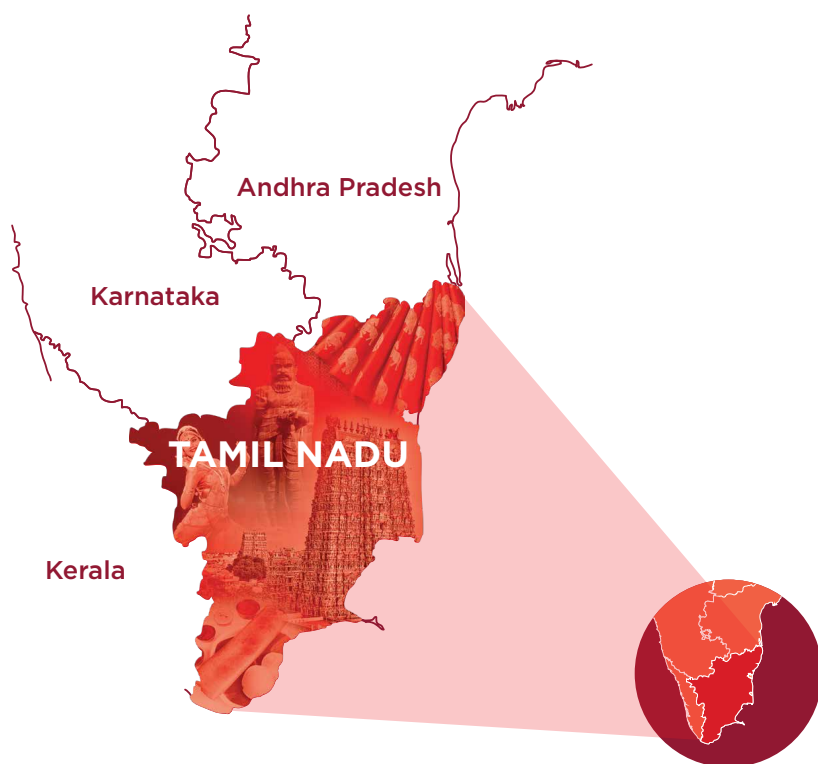


**PRAGATI**  
KI NAYI GATI

TAKING  
**TAMIL NADU**  
AHEAD







The coastal State of Tamil Nadu has seen rapid progress in road infrastructure development since 2014. The length of National Highways in the State has reached 7,482.87 km in 2018.

Over 1,284.78 km of National Highways have been awarded in just four years at a cost of over Rs. 20,729.28 Cr. Benchmark projects such as the 115 km Madurai Ramanathapuram Expressway worth Rs. 1,134.35 Cr, are being built with investments to transform the State's economy in coming years.





“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





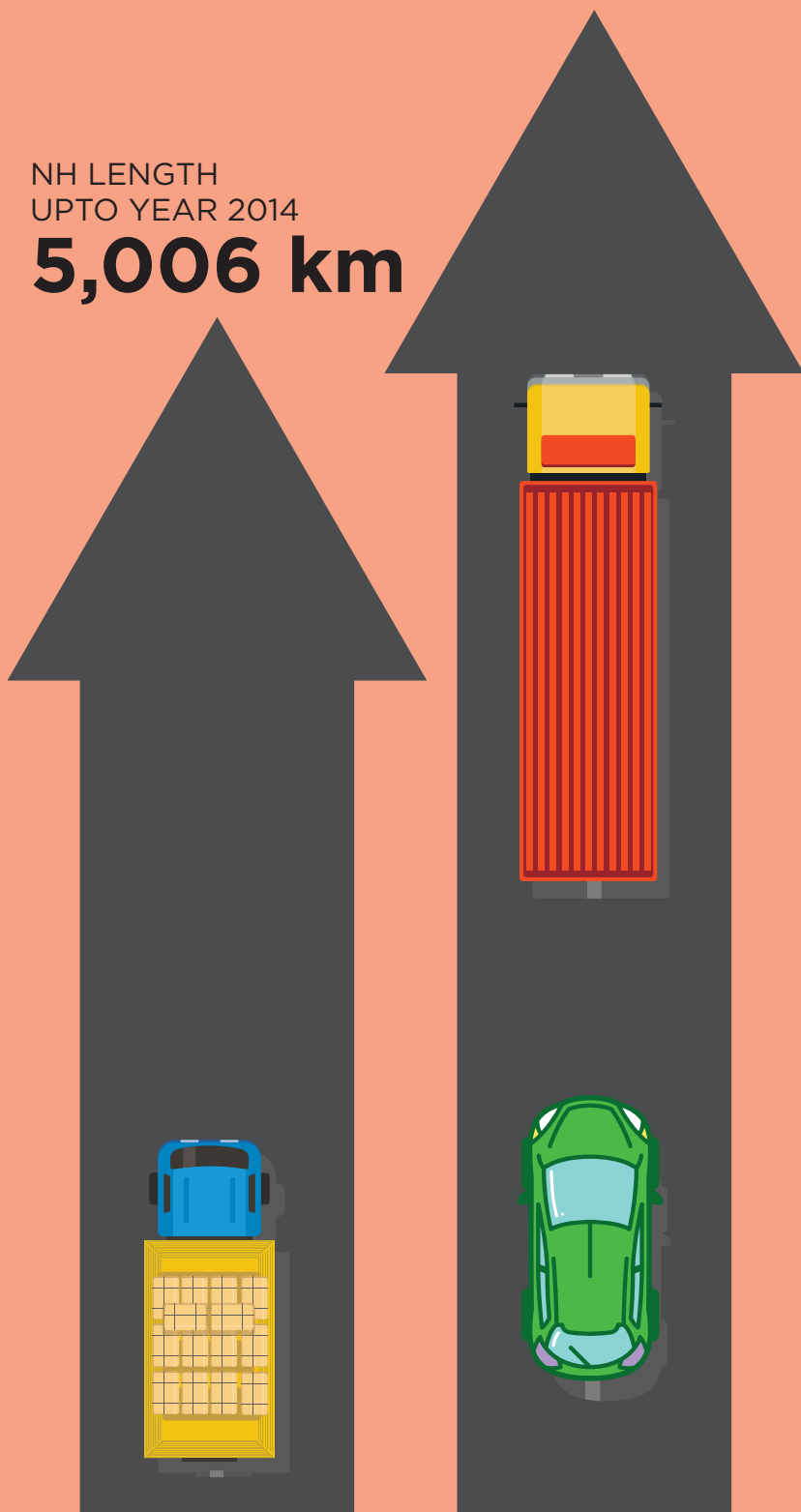
# Fast tracking National Highway development in Tamil Nadu

NH + IN PRINCIPLE NH LENGTH  
UPTO YEAR 2018

**7,482.87 km**

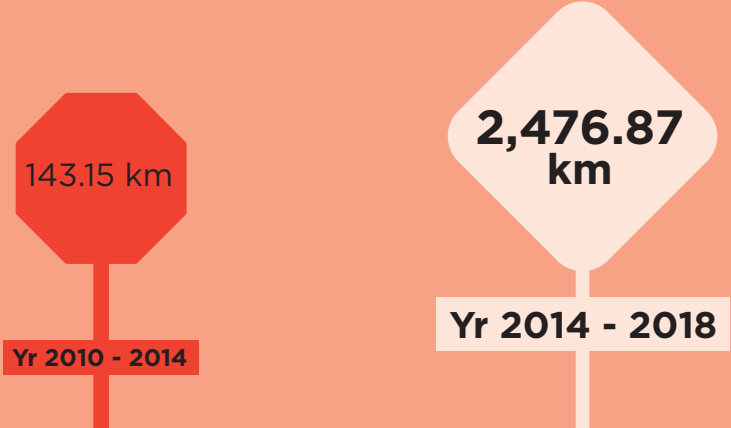
NH LENGTH  
UPTO YEAR 2014

**5,006 km**





# Adding new National Highways in Tamil Nadu



New NH

New NH & In principle NH length





# Cost of Road Projects awarded in Tamil Nadu

Yr 2010 - 2014



Yr 2014 - 2018



Growth of **127%** in the awarded cost  
of road projects over last 4 years with  
investments worth **Rs. 20,729.28 Cr**





# Accelerated NH Development under Central Road Fund (CRF) in Tamil Nadu

Yr 2010 - 2014



Total Cost  
Rs. 531.66 Cr

Yr 2014 - 2018



Total Cost  
Rs. 2,101.58 Cr



Significant increase of **295%** in cost of CRF works sanctioned for the upgradation & improvement of roads & bridges in the State





# Landmark Projects in Tamil Nadu





## Paramakudi – Ramanathapuram

The coastal NH-49, which seamlessly connects the temple cities of Madurai and Rameshwaram is being upgraded to 4 lanes and 2 lanes with paved shoulders. The picturesque National Highway, lined by coconut palms on either side runs between the river Vaigai and a Railway Track. Widening and upgrading is being done to decongest traffic on this flat stretch of NH, which is used by thousands of pilgrims travelling every year to Rameshwaram, often called the Varanasi of the South.





## At a Glance

**115 km** total Length

**Rs. 1,134.35 Cr** total  
Project Cost

**9** ROBs

**5** Bypasses

**2** Toll Plazas

**2** Vehicle  
Underpasses

**35** Minor Bridges

**38** Bus Bays and  
Truck Lay Bys

## Benefits

- Reduction in travel time of 165 km from 5.5 hours to 30 minutes
- Decongesting traffic on the existing transport network
- Socio economic development
- Better supply chain management
- Enhanced production activities
- Fast Tracked Investments
- Improved access to health and educational facilities
- Boost to the tourism industry



## Marthandam-Parvathipuram Flyover

A Flyover is being built between Parvathipuram junction and Marthandam junction on NH-47, connecting Trivandrum to Kanyakumari district. On completion, the flyover will help decongest the heavy traffic on this stretch, which has major intersecting junctions.

### At a Glance

**2.5 km length**

**Rs. 307.7 Cr total cost**

**RCC & Steel Piers**

**Composite Superstructure**





## Missing Link

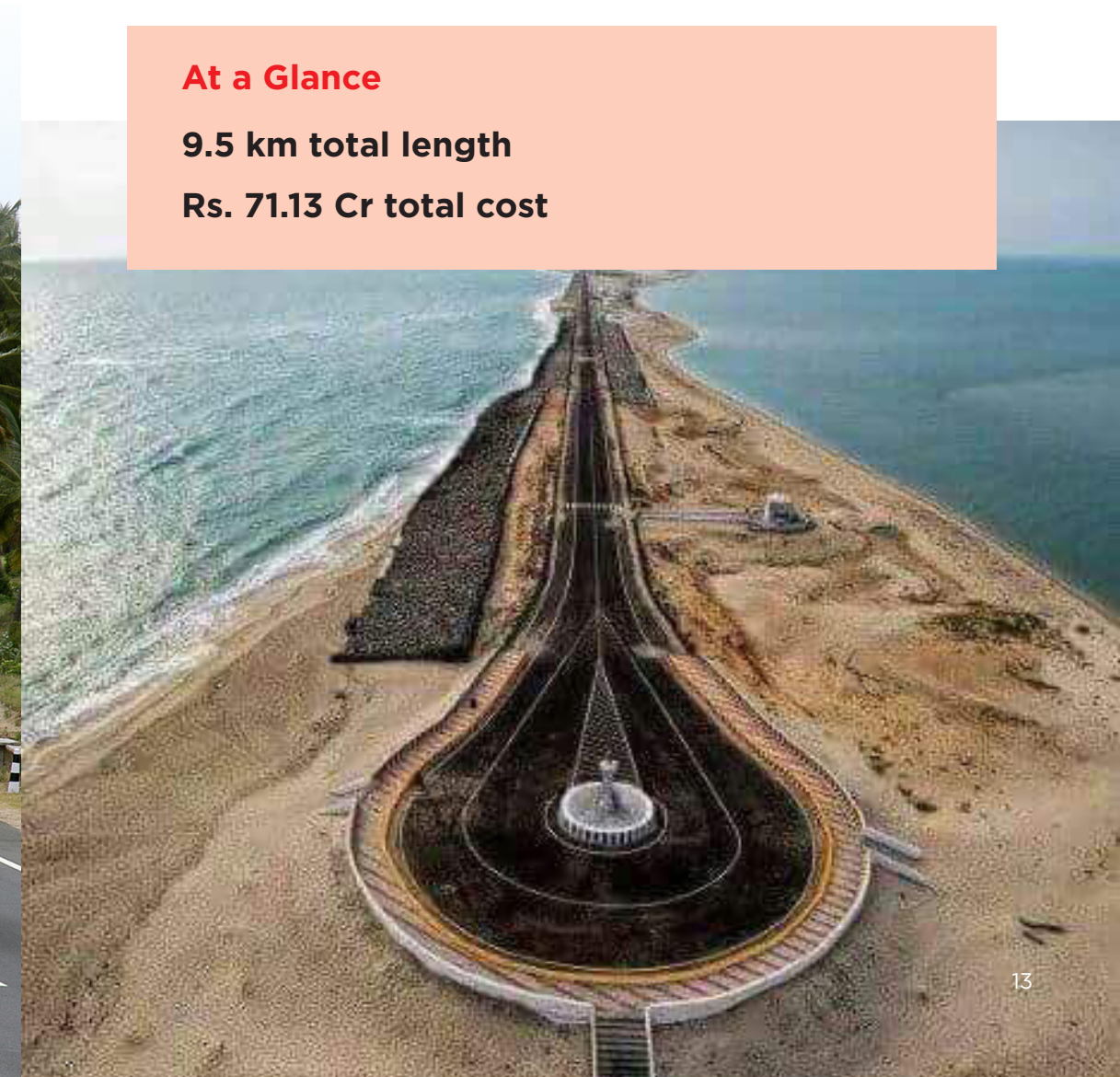
The Missing Link between Mugundharayarchatiram to Arichal Munai (Erosion point), which was destroyed by the 1964 Dhanushkodi cyclone, has been constructed successfully in 2 stages. This has resulted in much-needed connectivity for this section of the Madurai-Rameshwaram-Dhanushkodi Road (NH-49), which reached the southernmost tip of the nation. The Arichal Munai Missing Link project has come as a boon, answering the 5-decade old need of the people of this region.

The project was dedicated to the nation by Prime Minister Narendra Modi in July 2017.

### At a Glance

**9.5 km total length**

**Rs. 71.13 Cr total cost**







National Highways Authority of India

## Ongoing Projects of NHAI in Tamil Nadu

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	Tiruvallur (TN), Tirupathi (AP), Chittoor (AP)	Tirupati -Tiruthani - Chennai	205	571	124.7	Apr-11	Dec-18
2	Tiruvallur	Chennai-Tada	5	295.97	33	Mar-18	-
3	Chennai North, Tiruvallur	Road Connectivity to Chennai-Ennore Port Connectivity	SR	600	30.2	Jun-11	Dec-18
4	Pollachi, Coimbatore	Pollachi to Coimbatore	209	-	26.85	Dec-16	Nov-18
5	Trichy, Karur	Trichy - Karur	67	5196	79.7	Jan-08	Mar-20
6	Krishnagiri, Vellore, Arakkonam	Krishnagiri-Walajahpet	46	1250	148.3	Jun-11	Dec-18
7	Perambalur	Trichiraopalli to Kallagam	227	1020.6	39	Project awarded	-
8	Chidambaram	Kallagam to Meensurutti	227	1025.25	60	Project awarded	-
9	Chidambaram	Meensurutti to Chidambaram	227	482.04	31	Project awarded	-
10	Viluppuram, Puducherry	Viluppuram to Puducherry	332 (Old 45A)	962.2	29	Project awarded	-
11	Viluppuram, Puducherry, Cuddalore	Puducherry to Poondiyanakuppam	332 (Old 45A)	1296	38	Project awarded	-
12	Cuddalore, Chidambaram, Nagapattinam	Poondianakuppam to Sattanathapuram	45A	1391	56.8	Project awarded	-
13	Viluppuram, Krishnagiri, Thiruvannamalai	Krishnagiri-Tindivanam	66	562	176.51	Apr-12	Dec-19
14	Dindigul, Theni	Dindigul-Perigulam-Theni-Kumili	220	415	134	Sep-11	Dec-18
15	Dindigul	Oddanchatram Bypass	83	159	10.1	Nov-17	-
16	Sivagangai & Ramanathapuram	Karakudi Ramanathapuram	210	653	80	Nov-17	-
17	Tiruchirappalli & Sivagangai	Trichy - Karakudi and Trichy Bypass	210 & 67	474	110.372	May-11	Dec-18
18	Virudhunagar, Sivagangai & Ramanathapuram	Construction of Two laning with Paved Shoulder Madurai - Ramanathapuram	49	1387	115	May-15	May-19
19	Madurai & Dindigul	Chettikulam to Natham	785	345.54	29.39	Project awarded	-
20	Madurai	Madurai to Chettikulam of Madurai-Natham Section(PKG-1)	785	544.23	7.04	Project awarded	-
21	Kanyakumari	Tamil Nadu / Kerala border to Villukuri	47	1274	27.25	Aug-16	Aug-18
22	Kanyakumari, Tirunelveli	Villukuri to Kanyakumari section & Nagarcoil to Kavalkinaru section	47 & 47-B	1042	42.7	Jul-16	Jul-18
23	Viluppuram & Cuddalore	Vikaravandi - Sethiyahopu	45C	1259	65.96	Mar-18	-
24	Mayiladuthurai & Thanjavur	Cholapuram-Thanjavur	45C	1176	48	Project awarded	-
25	Chidambaram & Mayiladuthurai	Sethiathoppu -Cholapuram	45C	1227.87	50.48	Project awarded	-
26	Nagapattinam, Thanjavur	Nagapattinam - Thanjavur	67	578	78.53	Jun-15	Aug-18



## Ongoing Projects of MoRTH In Tamil Nadu

Sl. No.	Loksabha constituency	Project Name	NH No. (New)	Sanctioned cost /TPC (in Cr)	Total Length (km)	Date of start	Likely date of completion
1	Arni/ Tiruvanna malai/ Villupuram	Providing paved shoulders in Gingee -Villupuram road, kamalanagar, Villupuram - Vellore- Thoothukudi highway, Kammasamudram, TamilNadu including reconstruction and widening of culverts in Villupuram road -Vellore - Thoothukudy	38	269.00	121.60	Sep-15	Jun-18
2	Kanyakumari	Construction of flyover at Marthandam and Parvathipuram junction	544	314.02		Aug-16	Aug-18
3	Tiruppur	Widening to fourlane with paved shoulders and strengthening existing carriageway in Avinashi - Tiruppur - Avinashipalayam	381	162.72	31.80	Sep-16	Sep-18
4	Dindigul	Widening and strengthening two lane to two lane with paved shoulder in Dindigul to Kottampatty stretch	383	240.38	38.00	Jul-18	Jul-20
5	Vellore	Widening existing two lane to two lane with paved shoulder and strengthening in Pernampet (Badrapalli) to Katpadi stretch	75	138.06	56.00	Jul-18	Jul-20
6	Nilgris	Widening with paved shoulders and reconstruction of minor bridge, construction of protective wall in Mettupalayam Kallar stretches	181	37.00	10.00	Oct-17	Sep-18
7	Nilgris	Reconstructin of bridge and culvert, construction of protective works and cement concrete drain in Sathy - Dhimbam	209	17.00	-	Sep-17	Aug-18
8	Theni	Strengthening work from Usilampatty- Andipatti	85	13.3	13.00	Jan-18	Jun-18
9	Virudhunagar and Theni	Strengthening work from Madurai - Theni	87 and 85	14.17	8.00	Jan-18	Dec-18
10	Nilgiris	Strengthening existing carriageway from Kallar to Ooty	181	30.97	18.80	Feb-18	Nov-18
11	Theni	Strengthening in Bodimettu Ghat section	85	18.59	20.00	Mar-18	Dec-18
12	Tiruppur	Strengthening existing carriageway from Kangeyam - Kangeyampalayam	67	51.06	45.85	Feb-18	Jan-19
13	Tiruchirapalli	Strengthening and construction of central median at Trichy - Ramanathapuram road	336	14.40	10.00	Apr-18	Dec-18
14	Tenkasi	Reconstruction and widening of minor bridges at Kollam- Tirumangalam bus stand	744	21.19	-	Jul-17	Nov-19
15	Tenkasi	Strengthening existing carriageway from Kollam - Tirumangalam road	744	13.45	12.84	Dec-17	Sep-18



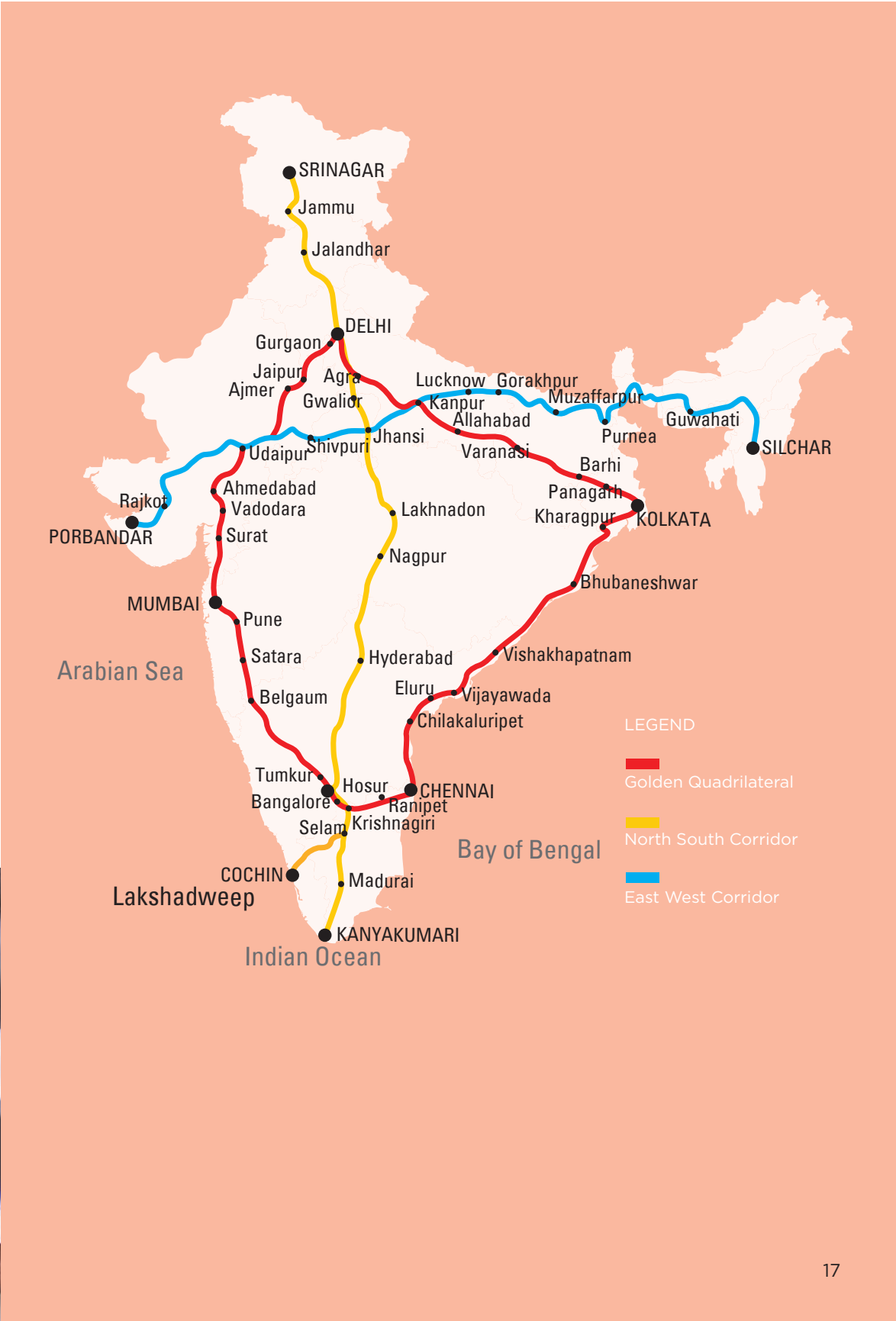
In-Principle declared NH in Tamil Nadu

Sl. No.	Stretch	Tentative Length (km) As on 30/11/2017
1	Karaikudi - Pattukottai - Thanjavur road	70.00
2	Perambalur - Athoor road	55.00
3	Salem - Uttankarai - Thirupathur road	141.00
4	Thiruvannamalai - Kallakuruchi road	65.00
5	Thoppur - Mettur - Bhawani - Erode road	85.00
6	Srivilliputhoor - Sivakasi - Virudhunagar - Aruppukottai - Thiruchuli - Parthibanoor road	105.00
7	Dindugal - Karaikudi road	109.00
8	Vallioor - Thiruchendur road	70.00
9	Mettupalalay - Bhavani	98.00
10	Avinashi- Mettupalalay	38.00
11	Bhavani- Karur	77.00
12	Trichy- Namakkal	77.00
13	Palani- Dharampuram	31.00
14	Arcot- Tindivanam	91.00
15	Nellvoy- Pallikonda Road (Sreepuram Golden Temple)	19.60
16	Kollegala-Hanur-MM Hills-Palar Road-Tamilnadu border extended upto Mettur in Tamil Nadu (Karnataka=91km, Tamil Nadu=30km)	30.00
Sub Total = 700.00		1161.60
17	Trippur - Oddanchatram	90.80
Sub Total		90.80
18	Chengalpattu near NH-32 -Mamallapuram	29.00
19	Kodaighat (NH-183)-Kodaikanal-Palani (NH-83)	52.00
Sub Total		81.00
Total		1333.40





# Key Indian National Highways

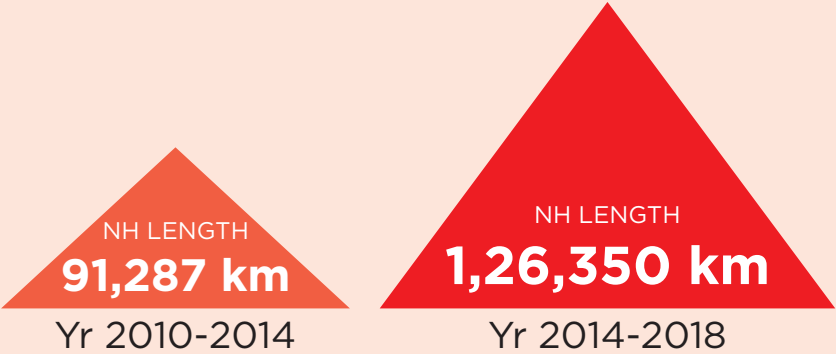




# National Highways - India Story

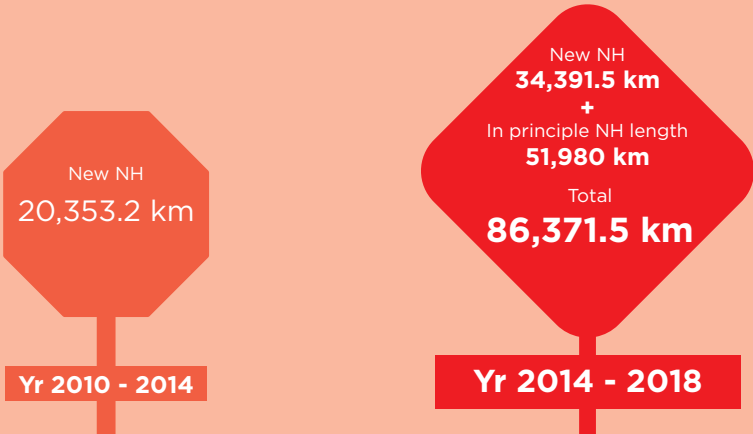
Fast tracking National Highway Development

## Building National Highways A new Pace of Progress



## New National Highways being built

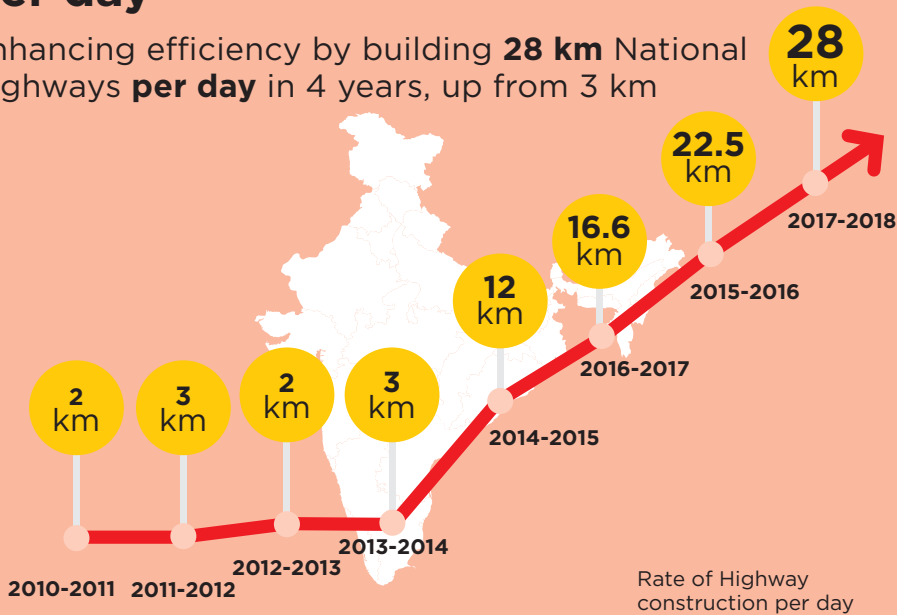
86,371.5 km of New and In-Principle National Highways added in 4 years





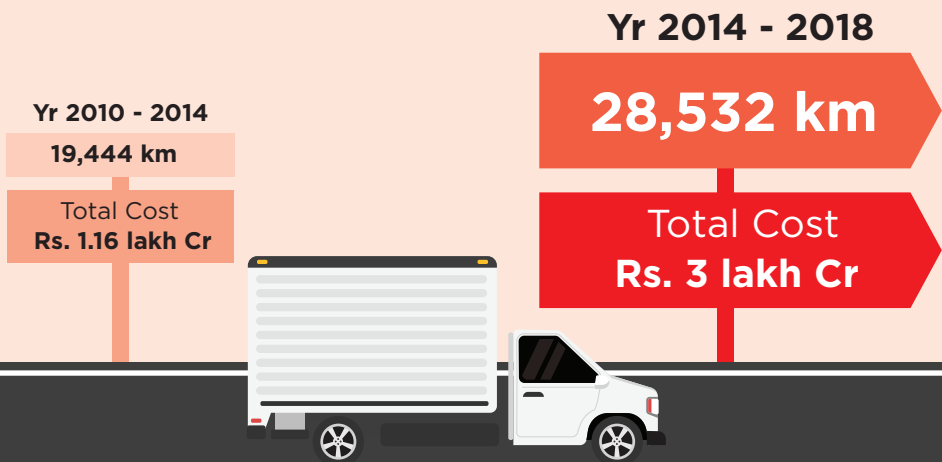
## Adding more National Highways per day

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**

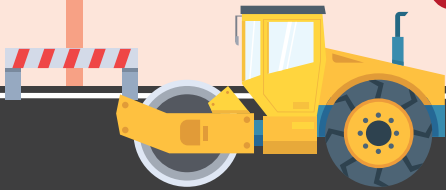
**2,876**

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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