



PRAGATI KI NAYI GATI



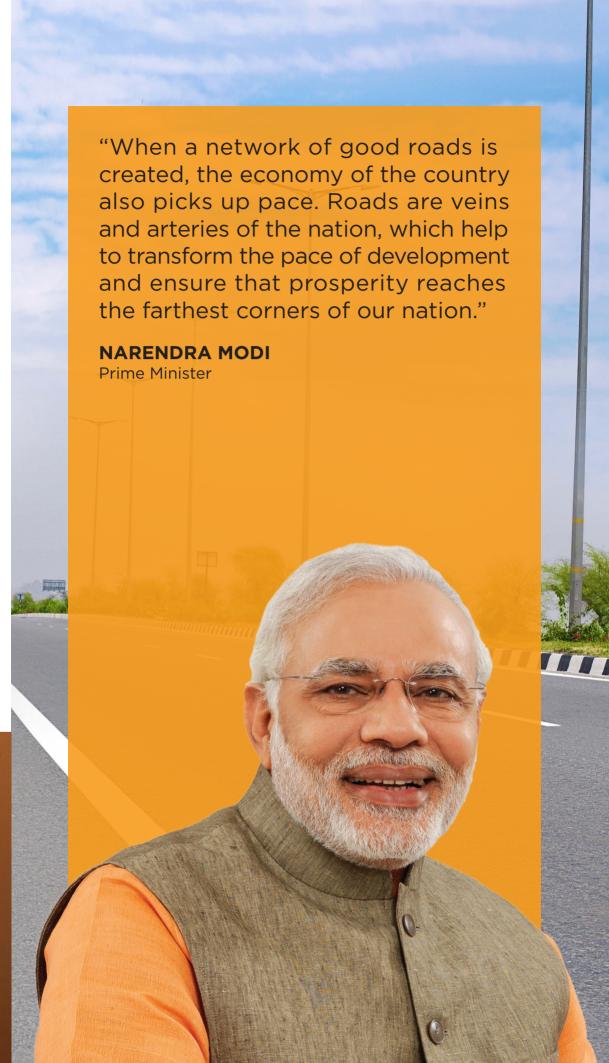


RAJASTHAN'S ROAD
TO PROGRESS



The rapid pace of National Highway development in Rajasthan has ensured seamless connectivity to Gujarat and Uttar Pradesh. Till 2014 the length of National Highways in the State was 7,496 km. In 2018, the length has been increased to 14,465 km. The number of National Highways have been grown from 35 to 85 in just four years. Road development work worth Rs 10,000 cr has been completed, and 1,959 km work has been fast-tracked with investments worth Rs 12,000 Cr. In the coming years, projects worth Rs 2 lakh cr have been planned for Rajasthan.



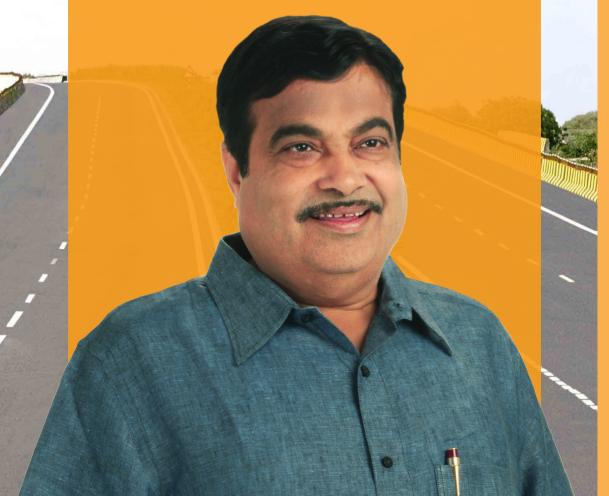


"In the past four years, we have expanded the length of Indian National Highways network to 1,26,350 km. The highway sector in the country has seen a 20% growth between 2014 and 2018. Tourist destinations have come closer. Border, tribal and backward areas are being connected seamlessly. Multimodal integration 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

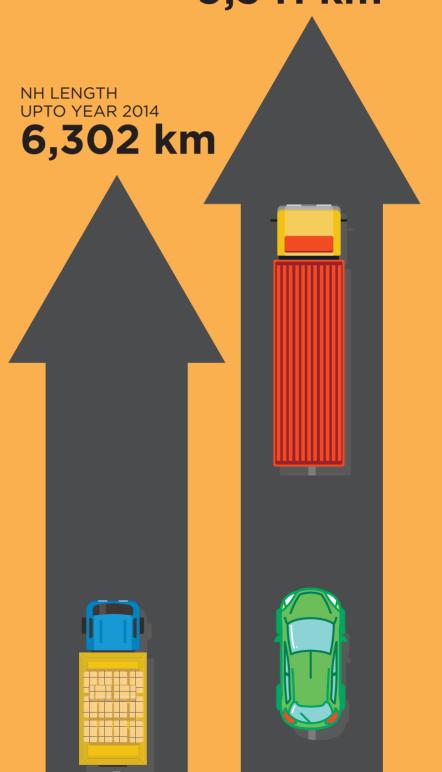
Union Minister, Ministry of Road Transport & Highways, Shipping and Water Resources, River Development & Ganga Rejuvenation



Fast tracking National Highway development in Rajasthan

NH + IN PRINCIPLE NH LENGTH UPTO YEAR 2018

9,341 km



Adding new National Highways in Rajasthan



New NH

New NH & In principle NH length

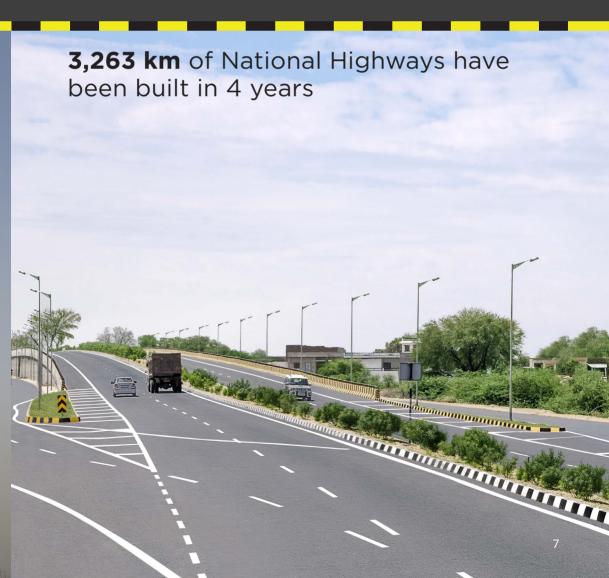


Construction of roads in Rajasthan



Constructed length

Constructed length

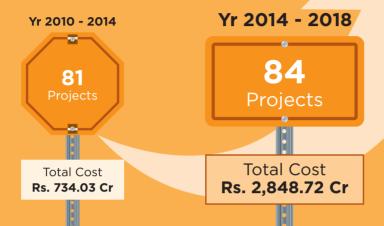








Accelerated NH Development under Central Road Fund (CRF) in Rajasthan



Significant increase of **288%** in cost of CRF works sanctioned for the upgradation & improvement of roads / bridges in the State



Landmark Projects in Rajasthan



Cable Stayed Bridge across River Chambal on Kota Bypass along NH-76 on the East-West Corridor

Connecting the last mile of the Golden Quadrilateral

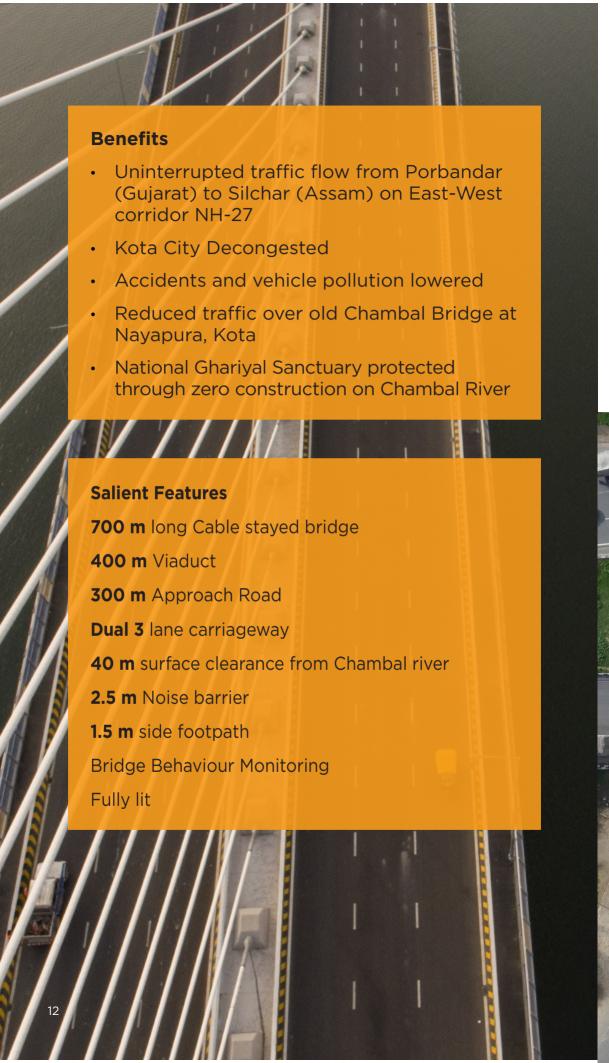
At a Glance

1.4 km length

Rs. 275 Cr total cost

40 months Construction Period





Proposed Expressways passing through Rajasthan

SI. No.	Name of the Project	Total Length in (km)	Total Length in Rajasthan (km)	Estimated Capital Cost (in Rs. Cr)	Benefitted Districts
1	Bathinda- Ajmer Green Field Expressway	626	489	24,500	Hanumangarh, Churu, Sikar, Nagaur, Ajmer
2	Delhi- Vadodra Green Field Expressway	940	442	23,000	Alwar, Bharatpur, Dausa, Swai Madhopur, Bundi, Kota, Jhalawar
3	Sangaria- Sanchore- Santhalpur Green Field Expressway	982	856	25,000	Hanumangarh, Sri ganganagar, Bikaner, Jodhpur, Barmer, Jalore





6 laning of Jaipur Ring Road between Agra Road and Ajmer Road section under NHDP Phase-VII

1st Milestone scheduled on 18.05.2018; delivered on 12.04.2018

At a Glance

46.4 km length **Rs. 810 Cr** total cost

Benefits

- Will ease heavy traffic from NH-11 Agra road, NH-8 Aimer road, NH-12 Tonk Road & SH-12 Malpura Road
- Will ensure seamless connectivity to nearby districts
- Will result in greater economic benefits by saving travel time, fuel and cost
- Will enhance access to places of religious importance such as Aimer and Pushkar
- Will boost tourism in Rajasthan and Delhi
- Proposed Interchanges on the Ring Road at vital crossings will result in uninterrupted, smooth and safe flow of traffic
- Will create new opportunities for the people

Salient Features

31 Underpasses 2 Toll plazas

1 Major bridge 1 PUP

2 Minor bridges **36** Culverts

2 Flyovers Partially access

controlled 2 ROBs

4 Laning of **Kota-Darah section**

At a Glance

34.33 km length

Rs. 396 Cr total cost on EPC Mode

2 year Construction Period

Benefits

- Boost industry and trade in Kota & Jhalawar districts
- Improve connectivity between Rajasthan and Madhya Pradesh with the rest of central India

Salient Features

34.33 km main Carriageway with concrete pavement

9.52 km Service Road with concrete pavement 1 ROB

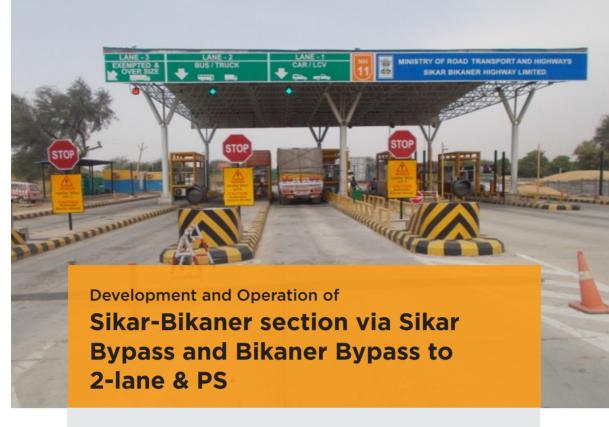
7 Minor Bridges

8 VUP

21 Box culverts

35 HP culverts





At a Glance

237.58 km length

Rs. 650.84 Cr total cost

2 year Construction Period

Benefits

- Improve connectivity of Sikar, which is located in the heart of Rajasthan to Punjab.
- Provide better connectivity to Bikaner, a major tourist destination in Rajasthan.

Salient Features

237.58 km main Carriageway with bituminous pavement

2 VUP

2 CUP

17.24 km Bikaner bypass

19.463 km Sikar bypass

4 Toll Plazas

Ongoing Projects of MoRTH in Rajasthan

SI. 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	Ajmer, Nagaur	Ajmer-Nagaur section 2 laning with Paved Shoulder under PPP	89	425.00	148.25	Mar-13	Mar-19
2	Chittorgarh	4 laning of Chittorgarh-Neemach & 2 laning with Paved Shoulder of Nimbahara Pratapgarh under PPP	79 & 113	511.21	117.00	Jan-13	Mar-18
3	Nagaur, Bikaner	2 laning with Paved Shoulder of Nagaur- Bikaner section under PPP	11	378.07	108.26	Jan-14	Apr-19
4	Bikaner, Ganganagar	Development & operation of Bikaner-Suratgarh section under PPP	15	501.08	172.38	Sep-13	Mar-19
5	Ajmer, Rajashmand	4 laning of Beawar- Gomti section under PPP	8	900.00	116.00	Oct-09	Oct-20
6	Nagaur	Construction of Nagaur bypass on EPC mode	58 & 62	155.76	19.23	Sep-16	Oct18
7	Barmer, Jalore	Up-gradation to 2 lane with paved shoulder Balotra to Sanderao via Jalore section (Pkg-II)	325	179.32	24.71	Jul-17	Jul-19
8	Jalore, Pali	Up-gradation to 2 lane with paved shoulder Balotra to Sanderao via Jalore section (Pkg-III)	325	163.54	34.42	Jul-17	Jul-19
9	Sikar, Jhunjhunu	Construction of 2 lane with paved shoulder Fatehpur to Jhunjhunu section	11	116.31	27.85	Apr-18	Oct-19
10	Tonk, Sawai Madhopur	Widening, Strengthening and Reconstruction of Sawai Madhopur to Sheopur section	552E	187.82	33.90	Apr-18	Oct-19
11	Churu, Jhunjhunu	Construction of 2 lane with paved shoulder of Rajgarh- Hariyana Border section.	709E	163.95	54.67	May-18	Nov-19
12	Barmer	Up-gradation to 2 lane with paved shoulder of Balotra to Sanderao via Jalore section	325	131.28	31.25	May-18	Nov-19
13	Banswara	Up-gradation to 2 lane with paved shoulderof Wajwana - Banswara section	927A	96.90	23.88	May-18	Nov-19
14	Udaipur	Upgradation to 2 lane with paved shoulder of Kundal-Jhadol section	58E	370.3	58.03	Nov-18	Dec-19

Ongoing Projects of MoRTH in Rajasthan

SI. 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
15	Udaipur	Upgradation to 2lane with paved shoulder of Jhadol-Daiya at Gujarat Border section	58E	341.79	59.70	Nov-18	Nov-19
16	Ajmer	Construction of service road on both side of the existing road on Ajmer- Nasirabad road	79	12.59	1.8	Feb-17	Dec-18
17	Jhalawar	Construction of 4 lane Cement Concrete road in Jhalawar City	12	80.68	4.20	Feb-17	Sep-18
18	Jhunjhunu	Strengtheining of Jhunjhunu- Chirawa section	11	44.9481	31.7	Feb-18	Jan-19
19	Jaipur	Strengthening of Paniyala Mod to Hariyana Border section	148B	11.4927	5	Feb-18	Jan-19
20	Kota, Jhalawar	Strengthening of existing pavement on NH-12	52	30.295	20	Feb-18	Jan-19
21	Ajmer	Strengtheining of NH- 89 in Nagaur City	89	4.199	1.8	Mar-18	Oct-18
22	Nagaur, Jodhpur	4 Lanning of Netra village to Mandore section	65	376.61	28.57	Jan-15	Jul-18
23	Kota	Construction of Northern Kota bypass with paved shoulder Pkg 1	76/12	78.58	10.3	Jun-15	Dec-18
24	Nagaur	ROB Level Crossing no. C-64 on Jodhpur Ajmer road	65	29.23	1.173	LOA May-18	-
25	Churu	ROB on NH-709E near Sadalpur railway station	709 Extn	24.79	0.5	LOA Apr-18	-
26	kota	4 laning by CC pavement on Kota- Darah section	12	621.43		Aug-16	Nov-18



Ongoing Projects of NHAI in Rajasthan

SI. No.	Lok sabha constituency	Project Name	NH No (New)	Project Cost (Rs Cr)	Length in Km	Date of Start	Likely date of completion
1	Barmer	Barmer-Sanchore-Gu- jarat Border section upto Gandhav Bridge	15	538.08	106.3	Aug-15	Jun-18
2	Barmer	Munabao (NH-25E)- Sundra- Myajlar-Dha- nana-Asutar -Ghota- ru-Tanot	70	1158.35	273.87	Appoint- ed Date pending	-
3	Barmer	Jaisalmer (NH-11) Bha- dasar-ramgarh-Tanot- and Bhadesar-Sarkari- tala (Pkg-BM/5)	68	913.91	193.52	appoint- ed Date pending	-
4	Barmer & Jalore	Gangaria (NH-25)- Baori Kalan-Serwa-Sa- ta-Bakhasar and sata Gandhav (Pkg BM/8)	925 & 925A	1134	196.97	appoint- ed Date pending	-
5	Bikaner, Jodh- pur	Bikaner to Phalodi section	15	844.08	159.243	Oct-15	Dec-18
6	Jodhpur, Barmer	Phalodi to Jaisalmer section	15	726.89	160.457	Sep-15	Nov-18
7	Bikaner	Khajuwala-Poogal - Dantour- Jaggasar- Gokul- Goddu -Ran- jeetpura- Charanwala- Naukh-Bap section	911	874.25	212.11	appoint- ed Date pending	-
8	Bikaner	Raisinghnagar - Anupgarh - Gharsa- na - Rojri - Sattasar - Pugal- (Part-2) (Pkg- BM/6)	NH not de- clared	1250	162.46	appoint- ed Date pending	-
9	Tonk-Sawai Madhopur	Tonk to Sawai Mad- hopur section	116	261.9	66.8	Jan-17	Jan-19
10	Bhilwwara, Bundi-Kota	Gulabpura to Uniara	148D	717.25	203.977	Oct-15	Aug-18
11	Bansawara & Dahod (Guj.)	Padhi to Dahod section	113	371.72	85.588	Nov-14	Sep-18
12	Bhilwara & Chittorgarh	Gulabpura to Chit- torgarh	79	1377.63	124.87	Nov-17	May-20
13	Bhilwara	Kishangarh to Gulab- pura	79A & 79	1183.48	90	Feb-18	Aug-20
14	Dausa, Tonk- Sawai Mad- hopur	Dausa - Lalsot - Ko- thun section	11 A Extn.	881	83.453	May-17	Nov-19
15	Karauli- Dholpur	Karauli - Dholpur section	11B	261	100.9	Sep-14	Dec-18
16	Dholpur, Bharatpur & Fatehpur-Sikri	Uncha Nagla - Dholpur Section	123	265.79	75.008	Feb-16	Aug-18
17	Dausa, Jaipur (Rural)	Manoharpur - Dausa section	11A	249.04	62.318	Oct-16	Oct-18
18	Jaipur (Rural), Alwar & Gur- gaon	Gurgaon - Kotputli - Jaipur section	48	3269.6	225.6	Apr-09	Oct-18
19	Jaipur	Balance works of Jai- pur Ring Road from Agra Road to Ajmer Road section	-	1216.67	46.4	Jan-18	Oct-18
20	Sojat, Jaitaran, Bhopalgarh & Bilara	Bar-Bilara-Jodhpur section	112	1248.59	109.655	Mar-17	Sep-19



Ongoing Projects of NHAI in Rajasthan

SI. No.	Lok sabha constituency	Project Name	NH No (New)	Project Cost (Rs Cr)	Length in Km	Date of Start	Likely date of completion
21	Soorsagar, Luni, Bhopal- garh, Bilara	Jodhpur Ring Road Package-I [4-laning of Dangiawas to Jajiwal Nagaur road)	-	1300.11	74.619	appoint- ed Date pending	-
22	Kota-Bundi, Bhilwara	Deoli to Jn. of NH-76 on Kota Bypass	12 (New NH-52)	593.38	82.81	Jan-11	Apr-18
23	Jhalawar- Baran	4 Lane of Darah-Jhal- awar-Teendhar section	12 (New NH-52)	1316.83	48.88	appoint- ed Date pending	
24	Churu, Sikar, Jhunjhunu	Rajasthan Border to Salasar	65 (New- 52 & 58)	530.07	154.141	Feb-14	Nov-18
25	Churu & Na- gaur	Salasar to Nagaur	65 (New- 58)	832.43	119.594	Mar-17	Oct-19
26	Chittorgarh & Udaipur	Udaipur Bypass [Connection between NH-76 at Debari to NH-8 at Kaya Village]	48	990	23.883	Nov-17	Nov-19
27	Chittorgarh	Chittorgarh-Udaipur Section	76	1405	93.5	Jul-17	Dec-19
28	Udaipur, Banswara & Sabarkantha (Guj.)	Udaipur to Shamlaji	8	2088	113.8	Sep-17	Feb-20



In-Principle declaration NH in Rajasthan

SI. No.	Stretch	Tentative Length (km) As on 30/11/2017
1	From Junction of NH-48 near Dadu connecting Naraina, Sambhar, Nawan, Narayanpura, Kuchamancity, Budsu, Toshina and terminating at Choti Khatu near NH 458.	150.00
2	From Mandsaur connecting Pratapgarh, Dhariyawad, Salumber and terminating at junction of NH-927 A near Dungarpur (Length in Rajasthan =171 km; Madhya Pradesh = 11km)	171.00
3	From junction of NH-11 near Phalaudi connecting Nagur, Trnau, Chhoti and terminating at NH-458 near Khatu	220.00
4	From junction of NH-752 near Kawai connecting Chhabra and terminating at NH-46 near Sada Colony (Length in Rajasthan =45km; Madhya Pradesh = 17km)	45.00
5	Anoopgarh-Surathgarh	72.00
6	Jhirka Firojpur (Haryana)- Pahadi- Nagar- Mahuwa- Hindaun- Karauli- Nandrayal- Muhana (in MP on NH-46) (Total length= 312 km; Haryana= 15 km; Rajasthan= 210 km; MP= 87 km)	210.00
7	Sirsa- Nohar- Taranagar- Churu (on NH-65) (Total length= 177 km; Haryana= 34 km; Rajasthan= 143 km)	143.00
8	Jalore- Ramsin- Bhinmal- Karda- Sanchore (Ext. of NH-168)	136.00
9	Jodhpur Bypass	88.50
10	Stretch from Baran - Khanpur-Jhalawar	82.00
11	Stretch from Kota (NH-27)- Kethoon - Sangod-Bapaur -Kawai (on NH-752)	90.00
12	Stretch from Deoli (on NH-52) to Nasirabad (on NH-48) via Kokri, Sarwar	100.00
13	Stretch from Sikar - Jhunjhunu (via Nawalgarh)	60.00
14	Stretch from Chirawa - Loharu (via Surajgarh) (Length = 28 km, 25 km in Rajasthan, 3 km in Haryana)	25.00
15	Stretch from Kota-Rawatbhata-Singoli-Ratangarh-Morvan-Mnasa- Naraingarh-Pipliamandi-Mandsaur (Rajasthan=68 kms, Madhya Pradesh=115 kms)	68.00
16	Stretch from Lalsot (on NH-23) - Sawai Madhopur (on NH-148 D)	65.00
17	Stretch from Rohat(on NH-62)- Ahore (on NH-325)	94.00
18	Stretch from Kharia(on NH-25)-Ransi-Borunda- Gotan and extended upto junction with NH-58 near Run	85.00
19	Stretch from Desuri(on NH-162) - Sadri- Lunawa- Bera - Kagdara- Pindwara	90.00
20	Stretch from Mathura- Bharatpur- Bayana- Hindon (Uttar Pradesh=24 kms, Rajasthan=101 kms)	101.00
21	Stretch from Gangapur- Sawai Madhopur	75.00
22	Stretch from Mathura- Govardhan- Dig- Nagar (Rajasthan=31 kms, Uttar Pradesh= 31 kms)	31.00
23	Stretch from Dausa- Lowan- Chaksu- Phagi- Dudu	137.00
24	Baap-Shekhasar-Sihda-Ramdevra	50.00
25	Baap-Jambha-Motai-Padiyal-Renisar-Bhojasar-Aau	50.00
26	Pokharan-Sankda-Bhainsda-Fatehgarh	80.00
27	NH-15 - Kansingh ki Sid-Jambha-Shaitan singh Nagar-Lohawat- Mega Highway	106.60
28	Marwar Junction-Kamlighat	50.00

In-Principle declaration NH in Rajasthan

SI. No.	Stretch	Tentative Length (km) As on 30/11/2017
29	Sojat-Siriyari-Desuri	93.00
30	Sanderao-Bali-Sadri	43.00
31	Charbhuja-Gomti Chouraha	9.00
32	Agra-Jagner-Masalpur (UP-60.00 and Rajasthan-33.00)	33.00
33	Kalwar to Jaipur Ring Road	14.00
34	Uniyara-Indragarh	27.00
35	Lakheri-Itawa-Mangrol	61.00
36	Nachna-Ramdevra-Falsund-Baytu	210.00
37	Nathusari-Bhadara-Sindhmukh-Sadulpur-Malsisar-Jhunjhunu-Gudha-Udaipurwati (Haryana-13.00 and Rajasthan-200.00)	200.00
38	Jurhara-Palwal (Haryana- 66.00 and Rajasthan - 3.00)	3.00
39	Dungargarh-Sardarshahr-Taranagar-Rajgarh-Bahal-Ovara-Kairu- Lohani (Haryana-46.00 and Rajasthan-180.00)	180.00
40	Soyla-Osian-Tinwari-Balesar	126.00
41	Suratgarh-Baropal-18SPD-Jhakharanwali-Bherusari-Rawatsar	57.00
42	NH-6 near Edlabad in Maharashtra - Burhanpur - Borgaon - Chegaonmakhan - Deshgaon - Borwaha-Indore-Ujjain - Agar & terminating at junction with NH-12 at Jhalawar in Rajasthan (Length in MP=391 km; Maharashtra= 15 km; Rajasthan=42 km)	42.00
43	Baran- Mangrol - Sheopur (Total length= 80 km; MP= 37; Rajasthan= 43)	43.00
44	Dhar-Nagda-Ratlam-Mandsaur-Nimach - junction with NH-156 near MP / Rajasthan border (Total length = 291 km; MP= 249 km; Rajasthan= 42 km	42.00
45	MP/ Rajasthan border- Paron- Fatehgarh- Guna (Total length = 98; MP= 76; Rajasthan= 22)	22.00
46	Jaipur Bypass	13.60
47	Sikar - Kuchaman City	68.40
48	Kuchaman City - Kishangarh	73.60
49	Tentawar - Singhana	42.00
50	Teentawar - Udaipurwati	24.00
51	Udaipurwati - Sikar	38.80
52	Ganganagar (NH-62)- Raisinghnagar- Anupgarh- Rojhri- Awa- Poogal- Barsatpur- Ranjitpura- Charanwala- Naukh- Bap	397.00
53	Jaisalmer (NH-11)- Kanod- Ghantiali- Nachna- Chinnu- Naukh	169.00
54	Bhadasar - Sarkaritala - upto Pakisthan border	84.00
55	Nachna - Balan (Babla)	47.00
56	Nachna - Bharewala	40.00
58	Pagal - Aladin K Bera - Beriyanwala	60.00
59	Bap- Kanasar- Nachna	83.00
60	Ramdevra- Pokhran- Falsund- Undu- Kashmir- Bhadkha- NH 15- Uttarlai air base	210.00
61	Abu Road (NH-27) - Mount Abu	10.00

Key Indian National Highways



National Highways - India Story

Fast tracking National Highway Development

Building National Highways A new Pace of Progress



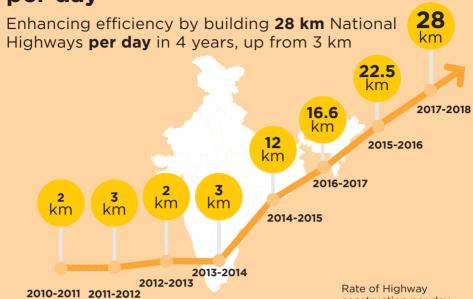
New National Highways being built

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





Adding more National Highways per day

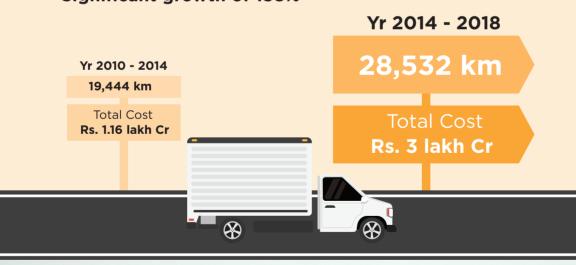


Construction of roads

2010-2011 2011-2012

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

construction per day





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

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







Saaf Niyat Sahi Vikas



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