

**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS**

**LOK SABHA
UNSTARRED QUESTION NO. 1852
ANSWERED ON 30TH JULY, 2026**

PRIVATE INVESTMENT IN NATIONAL HIGHWAY PROJECTS

1852. SHRI ARVIND DHARMAPURI:

SHRI ALOK SHARMA:

SHRI PRADEEP PUROHIT:

SHRI BHARTRUHARI MAHTAB:

SHRI VIJAY KUMAR DUBEY:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

(a) the details of National Highway projects implemented through Public-Private Partnership (PPP), Hybrid Annuity Model (HAM), Toll-Operate-Transfer (TOT), Infrastructure Investment Trust (InvIT) or other financing models, project-wise and State/UT-wise including Telangana, Odisha and Madhya Pradesh;

(b) the private investment attracted in highway infrastructure during the last five years;

(c) whether the Government has taken any specific measures to promote private investment in the development of National Highway, if so, the details thereof;

(d) whether the concession framework has been revised to attract greater private investment, if so, the details thereof; and

(e) the details of highway projects proposed to be developed through PPP or other alternative financing models, State-wise particularly Telangana, Odisha and Bhopal Lok Sabha Constituency in Madhya Pradesh?

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS (SHRI NITIN JAIRAM GADKARI)

(a) Assets worth Rs.1,72,898 crore have been monetized till date through Toll-Operate-Transfer (TOT), Infrastructure Investment Trust (InvIT) and project-based financing. A total of 317 projects under Hybrid Annuity Model (HAM) and Build-Operate-Transfer (BOT) mode, with a length of 11,711.81 km and total capital cost of Rs. 4,57,547.46 crore, have been awarded during the Financial Year (FY) 2021-22 to FY 2025-26. The details are enclosed at Annexure-I.

The details of the projects awarded during FY 2021-22 to FY 2025-26 on Public Private Partnership (PPP) mode in the States of Telangana, Odisha and Madhya Pradesh are enclosed at Annexure-II.

(b) Private investment of Rs. 1,27,293.20 crore was attracted in highway infrastructure during FY 2021-22 to FY 2025-26. The year-wise details are as under:

S. No.	Financial Year	Private Investment (in Cr)
1	FY 2021-22	19,206.00
2	FY 2022-23	21,897.09
3	FY 2023-24	34,805.25
4	FY 2024-25	30,251.28
5	FY 2025-26	21,133.58
Total		1,27,293.20

(c) and (d) The Model Concession Agreements (MCA) has been revised for BOT (Toll) and HAM modes to attract greater private participation. The key amendments include:

- i. Strengthening project readiness requirements by aligning project approval, award and declaration of the Appointed Date with prescribed milestones for land acquisition and environmental, forest and wildlife clearances;**
- ii. Standardization of Change of Scope items, with predefined rates and indexation provisions;**

- iii. Introduction of formula-based compensation for delay in handing over the required land; and**
- iv. Revised provisions relating to traffic shortfall, revenue support and competing roads, namely:**
 - Revenue support if tollable traffic is less than 90% of target traffic in the first 7 years;**
 - After 7 years, the Concession Period is extended by 1% for every 1% shortfall in tollable traffic where total traffic falls more than 10% below the target traffic, with a corresponding reduction where tollable traffic exceeds the target traffic; and**
 - The Concessionaire has the right to terminate the contract if traffic remains below 20% of target traffic in 2 out of any block of 3 years.**

(e) Development of National Highways, including through PPP mode, is a continuous process. New projects are taken up depending upon techno-economic feasibility, financial viability, traffic density and synergy with the PM Gati Shakti National Master Plan.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF LOK SABHA UNSTARRED QUESTION NO. 1852 ANSWERED ON 30TH JULY, 2026 ASKED BY SHRI ARVIND DHARMAPURI, SHRI ALOK SHARMA, SHRI PRADEEP PUROHIT, SHRI BHARTRUHARI MAHTAB AND SHRI VIJAY KUMAR DUBEY REGARDING “PRIVATE INVESTMENT IN NATIONAL HIGHWAY PROJECTS”.

A. Details of funds raised under Asset Monetization:**(in Rs. Cr.)**

S. No.	Financial Year	ToT	InvIT	Project based Financing	Sub-Total
	Prior to FY2021-22	14,693		10,813	25,506
1	FY 2021-22	1,011	7,350	13,901	22,262
2	FY 2022-23	10,662	2,825	11,600	25,087
3	FY 2023-24	15,968	15,625	9,486	41,079
4	FY 2024-25	6,661	17,641	4,325	28,627
5	FY 2025-26	12,357	15,721	-	28,078
	FY 2026-27	2,259			2,259
Sub-Total		46,659	59,162	39,312	1,45,133
Grand Total		63,611	59,162	50,125	1,72,898

B. Details of works awarded under HAM and BOT mode:

S. No.	Financial Year	HAM			BoT			Total		
		Nos	Length (in km)	Total Project Cost (in Cr)	Nos	Length (in km)	Total Project Cost (in Cr)	Nos	Length (in km)	Total Project Cost (in Cr)
1	FY 2021-22	95	3,684.40	1,45,879.33	2	67.00	2,330.71	97	3751.40	148210.04
2	FY 2022-23	98	3,400.31	1,28,225.94	1	90.90	1,553.76	99	3491.21	129779.70
3	FY 2023-24	40	1,201.10	48,875.86	0	0.00	0.00	40	1201.10	48875.86
4	FY 2024-25	42	1,513.00	57,708.14	2	209.80	10,342.12	44	1722.83	68050.26
5	FY 2025-26	37	1,545.27	62,631.60	0	0.00	0.00	37	1545.27	62631.60
Total		312	11,344.07	4,43,320.87	5	368	14,226.59	317	11711.80	457547.46

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF LOK SABHA UNSTARRED QUESTION NO. 1852 ANSWERED ON 30TH JULY, 2026 ASKED BY SHRI ARVIND DHARMAPURI, SHRI ALOK SHARMA, SHRI PRADEEP PUROHIT, SHRI BHARTRUHARI MAHTAB AND SHRI VIJAY KUMAR DUBEY REGARDING “PRIVATE INVESTMENT IN NATIONAL HIGHWAY PROJECTS”.

Details of Highway Projects awarded in Telangana, Odisha and Madhya Pradesh on PPP Mode during FY 2021-22 to FY 2025-26

S. No.	Project Name	State	Length (in km)	Total Capital Cost (in Rs. Cr)	Mode
1	Hyderabad - Maneguda	Telangana	46.405	958.86	HAM
2	Khammam-Devarapalle Pkg II [4L Access Controlled (Greenfield) from Somavaram village to Chintagudem village (Design Chainage 33+604 to 63+117)]	Telangana	29.513	615.78	HAM
3	Khammam-Devarapalle Pkg I [4L Access Controlled (Greenfield) from Thallampadu village to Somavaram village (Design Chainage 0+000 to 33+604)]	Telangana	33.604	797.36	HAM
4	6L Access Controlled Greenfield Highway of Nandinne village to Julekal village from Km 202.900 to Km 242.200 (Pkg-1)	Telangana	39.3	972.06	HAM
5	4L Access Controlled Greenfield Highway section on NH-163G (Khammam- Vijayawada) from V. Venkatayapalem village at Design Ch. 220.480 Km to Brahmanapalli(K) village at Design Ch. 250.400 Km (Package-I).	Telangana	29.92	973.45	HAM
6	4L Access Controlled Greenfield Highway section on NH-163G (Warangal-Khammam) from Thallasenkesa village at Design Ch. 189.650 km to V.Vekatayapalem village in Khammam District at Design	Telangana	30.83	1105.25	HAM

	Ch. 220.480 Km(Package-III)				
7	4L Access Controlled Greenfield Highway section on NH-163G (Warangal-Khammam) from Venkatpur village in Warangal District at Design Ch. 150.240 Km to Thallasenkesa village in Mahabubabad District at Design Ch. 189.650 km(Package-II)	Telangana	39.41	1092.88	HAM
8	4L Access Controlled Greenfield Highway section on NH163G (Warangal-Khammam) from Oorugonda village in Hanamkonda District at Design Ch. 112.240 Km to Venkatpur village in Warangal District at Design Ch. 150.240 Km(Package-I)	Telangana	38	1142.6	HAM
9	4L Access Controlled Greenfield Section (Mancherial – Warangal) from Narva village at Design Ch. 3.834 Km to Puttapaka village at Design Ch. 35.300 Km (Package-I)	Telangana	31.466	1127.9	HAM
10	4L Access Controlled Greenfield Section (Mancherial – Warangal) from Puttapaka village at Design Ch. 35.300 Km to Pangidipalle village at Design Ch. 72.350 Km(Package-II)	Telangana	37.05	1129.33	HAM
11	4L Access Controlled Greenfield Highway Section (Mancherial – Warangal) from Pangidipalle village at Design Ch. 72.350 Km to Oorugonda village at Design Ch. 112.240 Km(Package-III)	Telangana	39.89	1183.71	HAM
12	4L of Karimnagar-Warangal section from km 49.500 to km 117.820 of NH-563	Telangana	68.015	2146.86	HAM
13	4-laning of NH-167 from Gudebellur at Design Km.182.930 to Mahabubnagar at Design Km 262.940 of Hyderabad-Panaji section	Telangana	80.1	3175.08	HAM
14	Khammam-Devarapalle Pkg III [4L Access Controlled (Greenfield) from Chintagudem village to Recherla village (Design Chainage 63+117 to 105+236)]	Andhra Pradesh, Telangana	42.12	829.5	HAM
15	6L Access Controlled Greenfield Highway of Julekal village to Dinnevarapadu village from Km	Andhra Pradesh, Telangana	38.2	1227.57	HAM

	242.200 to Km 280.400 (Pkg-2)				
16	4L Access Controlled Greenfield Highway section on NH-163G (Khammam– Vijayawada) from Remidicherla village at Design Ch. 280.200 Km to Jakkampudi village (on NH-16) at Design Ch. 309.909 Km (Package-III)	Andhra Pradesh, Telangana	29.709	1183.23	HAM
17	4L Access Controlled Greenfield Highway section on NH-163G (Khammam – Vijayawada) from Brahmanapalli(K) village at Design Ch. 250.400 Km to Remidicherla village at Design Ch. 280.200 Km(Package-II)	Andhra Pradesh, Telangana	29.8	826.01	HAM
18	6L of MH/KN Border (Nimbal Village) to KN/TS Border (Singnodi Village) from Km. 162.5 to Km. 203.100 in Raichur of NH-150C (Pkg-IV)	Karnataka, Telangana	40.6	1499.73	HAM
19	Construction of Rewa Bypass to 4-lane with paved shoulder along with service road from Ratahara Chowk to Chorhata Chowk Road section of NH-30 from km 00.000 to 19.200 in the State of Madhya Pradesh on Hybrid Annuity Mode (HAM).	Madhya Pradesh	19.2	648.05	HAM
20	Upgradation of Shahdol- Sagartola Section of NH 543 from km 0+000 to km 69+400 to 2 lane with paved shoulders under Hybrid Annuity Mode (HAM) in the State of Madhya Pradesh	Madhya Pradesh	69.4	851.4	HAM
21	4L of Ujjain to Badnawar from km 26.900 to km 96.00 of NH-752D	Madhya Pradesh	69.1	1352.56	HAM
22	4L of Khedakhajuriya to Suhagadi from Km. 41.400 to Km. 89.200 of NH-148NG (New NH 752D) (Pkg-II)	Madhya Pradesh	47.8	876.37	HAM
23	4L of Chandesara to Khedakhajuriya from Km. 0.000 to (-) 750 & Km 0.000 to km 41.400 of NH-148NG (Pkg-I)	Madhya Pradesh	42.15	909.84	HAM
24	Indore - Edlabad (Pkg-II) [Tejainagar to Balwara]	Madhya Pradesh	33.4	1162.8	HAM
25	Indore - Harda (Pkg-II) [Raghavgarh to Nanasa from km. 29.30 to km. 92.30]	Madhya Pradesh	63.67	1081.51	HAM
26	(i) 4L Vidisha to Hinotiya from km 0.000 to Km 27.000 (Vidisha – Mehulwa-Talbehat Pkg-I) Section of NH- 346 and (ii) 4L Vidisha to Morikori from Km 39.000 to 59.476 section of NH-146	Madhya Pradesh	47.476	1003.87	HAM

27	4L Boregaon Buzurg to Shahpur (Pkg I of Boregaon Buzurg to Muktainagar) of NH 753L	Madhya Pradesh	47	1504.37	HAM
28	Construction work of 4-laning of Shahganj bypass end to Badi (Package-IV) of NH-146B from design km 102.000 to design km 142.357 (Design length 40.357 km)	Madhya Pradesh	40.357	784.14	HAM
29	4L of Budhni to Shahganj Bypass End (Package-III) of NH-146B from Km. 73.750 to Km. 102.000	Madhya Pradesh	28.25	1102.97	HAM
30	Construction of 6 lane Indore western bypass from km 34+000 to Km 64+000 (Pkg-II) in the state of Madhya Pradesh on Hybrid Annuity Mode under NH(O)	Madhya Pradesh	30	1430.56	HAM
31	Construction of 6 lane Indore western bypass from km 0+000 to Km 34+000 (Pkg -I) in the State of Madhya Pradesh on Hybrid Annuity Mode under NH(O)	Madhya Pradesh	34	1534.7	HAM
32	Six laning with both sides Service Road of Ayodhya Bypass from Design Km 0+000 near Ashram Tiraha on NH-46 to Km 16+439 end at Ratnagiri Tiraha on Nh-146	Madhya Pradesh	16.439	1123.17	HAM
33	4 Laning of Sandalpur to Nasrullaganj (Pkg-1) section of NH-146B Length 43.2 Km.	Madhya Pradesh	43.2	1425.98	HAM
34	Outer Ring Road of Jabalpur Town from Amjhar Road including Airport Connectivity to barela (Pkg-V)	Madhya Pradesh	18.55	794.7	HAM
35	4-lanning of Gyaspur to Rahatgarh section of NH-146 from Design Ch. 88+361 to Ch 124+470 in the state of MP on HAM mode	Madhya Pradesh	36.109	903.44	HAM
36	4-lanning of Rahatgarh to Berkhedi section of NH-146 from Design Ch 124+470 to Ch. 134.549	Madhya Pradesh	10.645	618.33	HAM
37	4L of Chowka to Kaimaha near MP/UP Border section NH-34 from D. Ch. 145.000 to D. Ch. 197.266 excluding existing Chhatarpur bypass from D. Ch. 160.307 to D. Ch. 168.630 (Package-4)	Madhya Pradesh	43.924	996.5	HAM
38	4L of near Satai Ghat to Chowka section of NH-34 from D. Ch. 89.875 to D. Ch. 145.000 (Package-3)	Madhya Pradesh	55.125	1005.59	HAM

39	4L Vidisha Gyaspur section of NH-146 from Design Chainage km 59+475 (existing chainage km 81+240) to Design Chainage km 88+361 (existing chainage km 110.315)	Madhya Pradesh	28.886	980.2	HAM
40	4L from km 0.000 to 42.040 Bhopal (Ratnaigiri Tiraha) to Vidisha (Morikodi)	Madhya Pradesh	42.04	1032.3	HAM
41	Bypass on Western side of Gwalior City	Madhya Pradesh	30	998.95	HAM
42	Construction of 4 Lanning of Badnawar-Petlawad-Thandla-Timarwani section of (NH-752D) from Badnawar Bypass Ch. 70+400 to Timarwani Interchange of Delhi Mumbai expressway (NE-4) Ch. 150+850 in the state of Madhya Pradesh on Hybrid Annuity Mode under NH(O)	Madhya Pradesh	80.45	3842.41	HAM
43	Widening of existing 2 lane to 4 lane divided carriageway with paved shoulder from Km 243+800 to Km 270+500 of NH 39 (Rewa to Churhat Tunnel North portal excluding Churhat Tunnel) and from Km 286+200 to Km 313+700 of NH 39 (Churhat to Sidhi section) (Design Length- 54.20 Km) under NH(O) in the State of Madhya Pradesh on Hybrid Annuity Mode.	Madhya Pradesh	54.2	1595.79	HAM
44	Construction of 4-lane Greenfield western Bypass from Design Km 0+000 (Ex Km 181+000 on NH-146) near Lahdara Village Junction on NH-146 to Design Km 20+193 (Ex Km 223+200 on NH-44) near Berkheri Guru village Junction on NH-44 of Length-20.193 km	Madhya Pradesh	20.19	771.14	HAM
45	4L Shahpur to Muktainagar from Km. 186.000 to km 216.278 of NH 753L (Pkg II of Boregaon Buzurg to Muktainagar)	Madhya Pradesh, Maharashtra	30.14	784.35	HAM
46	4L of Suhagadi to Bardiya Amra from Km. 89.200 to Km. 135.351 of NH-148NG (Pkg-III)	Madhya Pradesh, Rajasthan	46.15	823.05	HAM
47	Development of access controlled 6 Lane Agra-Gwalior greenfield NH section starting from Agra Inner Ring road (K.M. 0+000) near Deori village and termination at Gwalior bypass	Madhya Pradesh, Rajasthan, Uttar Pradesh	88.4	4612.65	BOT

	(K.M. 88+400) near Susera village				
48	6L Greenfield Kandili - Aluru Section of NH-130-CD Road from km 342+500 to km 365+033 (Package-OD-8)	Odisha	22.533	1492.74	HAM
49	6L Greenfield Baraja - Kandili Section of NH- 130-CD Road from km 338+500 to km 342+500 (Package-OD-7)	Odisha	4	838.02	HAM
50	6L Greenfield Baunsagar - Baraja Section of NH-130-CD Road from km 293+000 to km 338+500 (Package - OD-6)	Odisha	45.5	1265.59	HAM
51	6L Greenfield Kaliagura - Baunsagar Section of NH-130-CD Road from km 249+000 to km 293+000 (Package - OD-5)	Odisha	44	1539.75	HAM
52	Rehabilitation and Up gradation from 4 to 8 laning of Chandikhole - Paradip Section of NH-53 (Old NH - 5A) from Km.0.00 to Km.18.00(Package-1)	Odisha	18	929.91	HAM
53	Rehabilitation and Up gradation from 4 to 8 laning of Chandikhole - Paradip Section of NH-53 (Old NH - 5A) from Km 18.00 to Km 39.00 in the State of Odisha on HAM mode (Package-2)	Odisha	21	920.47	HAM
54	Rehabilitation and Up gradation from 4 to 8 laning of Chandikhole - Paradip Section of NH-53 (Old NH - 5A) from Km.39.000 to Km.60.00 (Package-3)	Odisha	21	861.84	HAM
55	Rehabilitation and Up gradation from 4 to 8 laning of Chandikhole - Paradip Section of NH-53 (Old NH - 5A) from Km.60.000 to Km.76.646 (Package-4)	Odisha	16.646	882.45	HAM
56	4L Godibandha to Ballhar Chhak, Ballhar Chhak to Banarpal & Banarpal to Start of Angul bypass at Km.314.130 to Km.321.035 of NH53, at Km.75.200 to Km.84.000 of NH149 & at Km.84.000 to Km.86.100 of NH55	Odisha	17.455	973.12	HAM
57	Construction of new four-lane Access controlled Highway from Cuttack (end point of CRRR at NH-16 near Tangi) to Kandarpur on SH-12 from Design Ch. 0+000 km to 21+225 under NH(O) on Hybrid Annuity Mode in the State of Odisha	Odisha	21.225	1274.06	HAM
58	Construction of New four lane Sambalpur Bypass from Km 0.000 to Km 35.384	Odisha	35.384	1411.17	HAM

59	Construction of new Six-lane Access Controlled Capital Region Ring Road from Rameswar (NH-16) to Gobindpur Package II from Design Ch. Km. 40.700 to Km. 70.995 in the State of Odisha	Odisha	30.295	2453.18	HAM
60	Construction of new Six-lane Access Controlled Capital Region Ring Road from Rameshwar (NH-16) to Bilipada from Km. 0.000 to Km. 40.700 in the State of Odisha under NH(O) on Hybrid Annuity Mode- (Pkg- 1)	Odisha	40.7	2944.36	HAM
61	Construction of new 6-lane Capital Region Ring Road (CRRR) from Gobindpur near Kuspangi (NH-42) to Tangi near Bandalo Toll Palza (NH-16) (Km.70.540 to Km. 110.870)	Odisha	40.33	2910.2	HAM
Total			2,318.25	79,235.71	
