
DEVELOPMENT OF ROAD INFRASTRUCTURE IN HARYANA

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ABSTRACT

The State of Haryana has seen rapid National Highway infrastructure development in the past four years. Till 2014 the length of National Highways was 1,659 km. In 2018 the length of National Highways has been increased to reach 3,531 km. 38 development projects in the road sector have been undertaken with investments worth Rs. 14,000 Cr, and are scheduled for completion in 2019.

Haryana being bordered by Delhi, a lot of effort has been made to ensure smooth flow of traffic between these two States. The most significant amongst these is the 135 km 6 lane Eastern Peripheral Expressway, built worth Rs. 11,000 Cr, connecting Kundli to Palwal via Ghaziabad. In the coming years many new road development initiatives will be undertaken in Haryana. The present research paper is an attempt to provide insights into development of Road infrastructure in Haryana.

KEYWORDS: Roads, Infrastructure, National Highway, State Highway, Expressway.

I. INTRODUCTION

The transport system in any economy is considered as nerve system of the economy as nerve system follows blood in the body, the transportation follows the resources such as labour, machinery, goods and services. Through better transport system size of market gets widened, this further led to increase in productivity and finally makes economies of scale possible. This is an established fact that movement and prosperity move together. Roads are the heart of Transport system of any economy. The availability of Roads becomes very important as the state is not only connected with other major states of the country but also supports national capital too. Roads are a fundamental need of connectivity for the development of any economy. Haryana state has an efficient network of roads, which is significantly contributing to its economic development.

II. Road length in Haryana

The total road length in Haryana is depicted in table 1.1. The table shows that the road length per 100 sq. km. of area is 80.40 km. While road length per lakh of population for the state is 122.68 km. The districtwise study of metalled roads shows that out of 19 districts in the state 10 districts have above state average metalled road length, while 09 districts have below state average metalled road length. Kaithal district has the lowest road length, i.e. 66.71 km per 100 sq.km. of area. In Haryana all the villages are connected with metalled roads.

Type of Roads	Length in Kms. (upto 31.03.2023)	Length in Kms. (upto 31.10.2023)
National Highways	State PWD - 330	State PWD - 330
	NHAI - 2886	NHAI - 3061
State Highways	1676	1659
Major District Roads	1375	1375
Other District Roads	24996	24997
Total	31263	31422

Source: PWD (B&R), Haryana.

III. Upgradation of Road Network

Roads are the basic means of communication for the development of any economy. In order to further strengthen the road network and making it more efficient as per traffic requirements, the main emphasis has been laid on the improvement/up gradation of existing road network, construction of bye passes, bridges/ROBs and completion of road construction works. The detail of road network under PWD (B&R) in the State is given in During 2023-24, a programme for improvement of roads by way of widening, strengthening, re-construction, raising, cement concrete, pavements/blocks, premix carpet, construction of side drains and culverts/retaining walls etc. were taken in hand. The financial and physical progress achieved up to October, 2023 is given in Table 1.2

Table 1.2: Progress Under Roads Improvement Programmes (Financial Progress)

(A) Financial Progress		(₹ in crore)	
Sr. No.	Head of Account	Budget Allotment 2023-24	Expenditure (up to October, 2023)
1.	Plan-5054 (Roads & Bridge) including NABARD Loan & PMGSY	2555.00	1714.75
2.	Non Plan-3054	965.31	453.39
3.	Central Road Fund	150.00	58.30
4.	NH (Plan)	300.00	168.68
5.	NH (Non- Plan)	0.00	0.00
6.	Deposit works (Roads & Bridges)	190.00	31.25
Total		4160.31	2426.37

Table 1.2: Progress Under Roads Improvement Programmes (Financial Progress)

(B) Physical Progress

Sr. No.	Item	Length in Kms. (up to October, 2023)
1.	New Construction	209
2.	Premix Carpet (State Roads)	1180
3.	Widening & Strengthening (State Roads)	640
4.	Cement Concrete Blocks/Pavement	179
5.	Reconstruction & Raising	57
6.	(a) Widening	} National Highways 0.00
	(b) Strengthening	
		86.09

Source: PWD (B&R), Haryana.

IV: Repair and Maintenance

Many roads/bridges works sanctioned during the year 2023-24. The detail of sanctions works are given in Table 1.3. The detail of allocation for repair, maintenance and original works of buildings are given in Table 1.4. The Department has taken steps for construction of ROB/RUBs and Bridges to curtail delay and increase safety to passengers. The progress of ROB/RUBs & Bridges completed and in progress are given in 1.6

Table: 1.3- Road/Bridge Works Sanctioned during 2023-24

(₹ in crore)

Sr. No.	Head of Account	No. of Works	Amount (upto October, 2023)
1.	Plan -5054	86	155.32
2.	Non Plan-3054	188	536.95
3.	NABARD - Roads - Bridges	07 00	122.57 0.00
4.	Central Road Fund	11	724.46
5.	PMGSY/Bharat Nirman -Roads	00	0.00
6.	NH	02	182.73
7.	ROBs/RUBs (Plan 5054)	10	50.83
8.	Bridges – Plan 5054 Non Plan 3054	23 03	183.74 3.81
	Total	330	1960.41

Source: PWD (B&R), Haryana.

Table 1.4 Allocation for Repair, Maintenance and Original Works of Buildings

(₹ in crore)

Sr. No.	Head of Account	Budget Allotment 2023-24	Expenditure during 2023-24 (upto October, 2023)
1.	Revenue Buildings	179.98	112.16
2.	Capital Buildings	230.98	81.99
3.	Deposit Buildings	1118.00	179.58
	Total	1528.96	373.73

Source: PWD (B&R), Haryana.

Table 1.5 :ROBs/RUBs & Bridges Completed and in Progress

Sr. No.	Description	2023-24 (upto October, 2023)
1.	ROBs/RUBs (i) Completed and opened to traffic (ii) Under construction	5= (3 HSRDC+ 2 NH) 37= (18 HSRDC+ 15 PWD State Scheme+4 NH)
2.	Bridges (i) Completed and opened to traffic (ii) Under construction	1= (1 PWD State Scheme) 21= (18 PWD State Scheme+3 NH)

Source: PWD (B&R), Haryana.

V: New Road Network

Haryana's road network has grown significantly in recent years, with the construction of new highways, expressways, and other roads. The state's road infrastructure development has been focused on improving connectivity between Haryana and neighboring states, especially Delhi.

(A) National Highways

- ✓ **NH-44, NH-352, NH-9, and NH-709:** Connect Haryana to northern India
- ✓ **NH-48:** Connects Haryana to northern Rajasthan
- ✓ **NH-919:** Connects Haryana to central and southern India
- ✓ **152D National Highway:** Shortens travel time from Jind to Ambala and Chandigarh

Rohtak-Jind and Narwana National Highway 352: Eases travel from Jind to Rohtak, Delhi, and Punjab

(B) Expressways

- ✓ **Delhi-Gurgaon Expressway:** Leads to Jaipur
- ✓ **Eastern Peripheral Expressway:** A 135 km, 6 lane expressway built to improve traffic flow between Haryana and Delhi
- ✓ **Western Peripheral Expressway (KMP):** A 135 km expressway under development

(C) Other roads

- ✓ **Sonipat to Jind 352A National Highway:** An 80 km highway that connects Sonipat and Jind
- ✓ **Jind-Panipat State Highway:** A highway that connects Jind and Panipat
- ✓ **Panipat-Dabwali National Highway:** An upcoming project that will connect Karnal, Jind, Panipat, Fatehabad, and Sirsa

VI Future of Road development of Haryana

The future of road infrastructure in Haryana looks promising, with several projects in the pipeline to enhance connectivity and improve the overall road network.

1. Upcoming Projects:

- A proposed elevated road from the Gurugram-Jaipur National Highway to Vatika Chowk, along with four flyovers from Vatika Chowk to Ghata, is expected to ease traffic congestion in the region ¹.
- The Haryana government has also announced plans to develop a robust road network in the state, with a focus on improving connectivity between major cities and towns.
- The Ministry of Road Transport and Highways has identified several national highway projects for development in Haryana, including the Delhi-Panipat and Ambala-Kaithal stretches ².

2. National Highway Development:

- The National Highway network in Haryana has grown significantly, with the total length increasing from 91,287 km in 2014 to 146,195 km currently ³.
- The government has also launched several initiatives to improve road safety, including the identification and rectification of blackspots on national highways.

3. Investment and Funding:

- The government has allocated significant funds for road development projects in Haryana, with an estimated investment of Rs. 800 crore for the proposed elevated road project in Gurugram ¹.
- The Ministry of Road Transport and Highways has also announced plans to monetize national highways through the Toll Operate Transfer (TOT) model, which is expected to generate significant revenue for road development projects ³.

We can conclude from above discussion that road infrastructure in Haryana is showing remarkable growth and in coming days the infrastructure is going to contribute more to growth of Haryana and India as a whole

REFERENCES:

Economic Survey of Haryana 2023-24