GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

LOK SABHA
UNSTARRED QUESTION NO. 1706
ANSWERED ON 05TH DECEMBER, 2024

INTELLIGENT TRANSPORT SYSTEMS

1706. SHRI K RADHAKRISHNAN:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

(a) the data on Intelligent Transport Systems (ITS) installed on National Highways (NHs) across the country, State-wise;

(b) whether the Government has conducted any review of highway traffic accidents before and after installation of ITS and if so, the details thereof;

(c) whether the Government plans to integrate ITS with the Smart Cities Mission; and

(d) if so, the details of cities that have integrated ITS with public transport systems?

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) Intelligent Transport System (ITS) can be implemented as Advanced Traffic Management System (ATMS) or it can be part of broader (Vehicle to Everything) V2X communication. The objective is to reduce accidents, traffic violations and incident response time by implementation of ATMS. Government plans to implement the ATMS solution in Highways and Expressways in phased manner. The standalone ATMS projects are as under:

Corridor Name	Length (km)	State(s)	Status
Bangalore – Mysore (Augmentation)	117	Karnataka	Completed in July, 2024
Dwarka Expressway	58	Delhi, Haryana	Awarded
Delhi-Agra	180	Uttar Pradesh	Awarded
Lucknow Ring Road	103	Uttar Pradesh	Awarded
UER-II	75	Delhi, Haryana	Under Bidding
Bangalore Ring Road	80	Karnataka	Under Bidding
Chardham Connectivity	825	Uttrakhand	Under Bidding

In addition to above, Government has implemented/implementing ATMS as part of highway projects like Delhi-Mumbai Expressway, Trans-Haryana Expressway, Delhi-Dehradun Expressway, Amritsar-Jamnagar Expressway etc.

(b) In some projects, for e.g. in Bangalore-Mysuru Expressway, the accident data before and after installation of ATMS was reviewed and it was found that there is decrease in fatality post implementation of ATMS in July, 2024. (Accident Data attached as Annexure A).

(c) These two separate systems can be integrated. However it is understood that Smart Cities Mission essentially deals with only urban areas included in the Mission whereas Highways criss-cross the country.

(d) Under the scheme "Central assistance for strengthening the ITS in Public Transport System in the Country" the Government provides financial support for development and implementation of advanced Information and Communication Technology (ICT) and Intelligent Transport System (ITS) in buses being operated by State Road Transport Undertakings(SRTUs)/ State Transport Undertakings(STUS/State Transport Corporations(STCs).

The Details of approved projects under ITS scheme of MoRTH for the Transport Bodies is attached as Annexure B.

ANNEXURE REFERRED TO IN REPLY TO PART (B) OF LOK SABHA UNSTARRED QUESTION NO. 1706 ON 05ᵀᴴ DECEMBER, 2024 ASKED SHRI K RADHAKRISHNAN REGARDING "INTELLIGENT TRANSPORT SYSTEMS"

Road accident details from 2023 and 2024 on Bangalore to Mysore 6 Lane Access controlled Highways			
Sl. No.	Month	No. of Persons Killed	
		2023	2024
1	Jan	14	12
2	Feb	17	6
3	Mar	20	9
4	Apr	20	3
5	May	29	3
6	June	27	9
7	July	10	6
8	Aug	10	2
9	Sep	16	0
10	Oct	14	0
11	Nov	6	0
12	Dec	5	0
Total		188	50

ANNEXURE REFERRED TO IN REPLY TO PART (D) OF LOK SABHA UNSTARRED QUESTION NO. 1706 ON 05TH DECEMBER, 2024 ASKED SHRI K RADHAKRISHNAN REGARDING "INTELLIGENT TRANSPORT SYSTEMS"

STU	Proposal Submission			Apprisal-cum-sanction Committee meeting	Proposal scope from central share
	Date	Total Project Cost Sanctioned (in Crs.)	Central Share Sanctioned (in Crs.)		
Gujarat GSRTC	3/24/2023	39.73	27.81	3/29/2023	Hardware components only CAPEX: i. ETIM 12000 (8300+ buses) ii. Passenger Information Display System iii. POS smart card with reader iv. Automatic vehicle location system
Telangana TSRTC	8/16/2022	29.96	20.97	27.02.2023	i. Updation of Bus pass/ Online passenger reservation system (Desktop, UPS, Internet connection) ii. Automatic fare collection system (AFCS) for fleet of 9607 buses.
Karnataka KSRTC	7/26/2022	30.75	21.53	27.02.2023	i. Vehicle Location Tracking platform (Devices, panic button , central command and control centre) (8800 fleet) ii. Mobile application & Web Portal iii. Cloud hosting Data Centre (DC) & Data Recovery Centre (DRC)
Bhopal BCLL	1/31/2023	6.81	4.77	30.06.2023	Focus on software portion: i. Centralised Automatic Vehicle Location
Sikkim SNT	14.07.2023	15.24	10.67	30.06.2023	i. Command and Control Centre for 390 fleet size.
Assam State transport Corporation (ASTC)	29.03.2023	23.39	16.37	1.12.2023	I. Fleet Strength of 2255+ buses II. Passenger information system (PIS) III. Automatic Vehicle Location System
Mira Bhainder Municipal Corporation transport undertaking (MBMTU)	4/28/2023	11.29	7.90	1.12.2023	i. On-board Intelligent Transport System (OBITS) for 74 Buses a) Driver Display Unit b) Passenger Information display in Buses
Puducherry (PRTC)	14.10.2023	9.05	6.34	1.12.2023	I. Fleet strength of 140 Buses II. Vehicle Scheduling and Dispatch System
		166.22	116.354		
Andhra APSRTC	12/15/2020	29.71			UTS project of ITS Scheme 15.03.2010 to 31.03.2020 (Guidelines dated 05.01.2018)

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