GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS
LOK SABHA
UNSTARRED QUESTION NO. 1087
TO BE ANSWERED ON FEBRUARY 08, 2024

METRO SYSTEM LENGTH

NO. 1087. SHRI KANAKMAL KATARA:

Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

(a)   the noteworthy expansion of the length of the metro system and technological advancements in the country during the last nine years; and

(b)   the manner in which these changes played a role in improving urban transportation?

ANSWER

THE MINISTER OF STATE IN THE
MINISTRY OF HOUSING AND URBAN AFFAIRS
(SHRI KAUSHAL KISHORE)

(a) & (b) Before 2014, 248 kms Metro Rail was operational in 5 cities. In the last 9 years, 657 km have been added to Metro Rail Network across the country. As on date, about 905 kms of metro rail lines are operational and 959 km is under construction in 27 different cities.

A number of technological advancements have taken place during the last nine years in various Metro Rail operational in the country. Some of the noteworthy technological advancements are :

(i)   Introduction of Namo Bharat Train- India's first State of Art Namo Bharat train with design speed of 180 kmph and operational speed of 160 kmph has been introduced on priority section between Sahibabad to Duhai Depot on Delhi- Meerut RRTS corridor;

(ii)   European Train Control System(ETCS) – World's first State of Art ETCS level II with Hybrid level-III radio based train signalling system on LTE backbone has been introduced on Namo Bharat trains running on priority corridor of Delhi- Meerut RRTS enhancing passenger safety to a new level.

(iii)   Platform Screen Door(PSD) - For improved safety and to reduce the risk of accidents, PSD has been jointly developed by Bharat Electronics Limited (BEL) with National Capital Region Transport Corporation (NCRTC);

(iv) **National Common Mobility Card(NCMC) – One Nation-One card i.e. NCMC work on all NCMC enabled transport systems in the country;**

(v) **QR based Ticketing – QR based ticketing system has facilitated booking of tickets from Mobile based apps;**

(vi) **Unmanned Train Operations (UTO) – For improved efficiency and quality of service including better utilisation of resources, Unmanned Train Operation is functional in Pink and Magenta Line of Delhi Metro Rail Corporation.**

(vii) **Indigenous Automatic Train Supervision system (i-ATS) – India's first Indigenously builtAutomatic Train Supervision Systemdeveloped by the combined efforts of DMRC and Bharat Electronics Limited (BEL) has been implemented on Red Line of Delhi Metro.**

These technological advancements have improved urban transportation drastically which is evident from the ridership which has crossed about 1 crore per day at present.

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