

GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS
LOK SABHA

UNSTARRED QUESTION NO. 3192
TO BE ANSWERED ON DECEMBER 21, 2023

EXPANSION OF METRO SYSTEM LENGTH

NO. 3192. SHRI SATYADEV PACHAURI:

DR. SATYAPAL SINGH:

SHRI KANUMURU RAGHU RAMA KRISHNA RAJU:

SHRI KHAGEN MURMU:

DR. SANJAY JAISWAL:

SHRI ANNASAHEB SHANKAR JOLLE:

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

- (a) the noteworthy expansion of the metro system length and technological advancements in the country during the last five years and the current year; 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) and (b) Since 2018-19, the operational Metro Rail network in the country has expanded by about 457 kilometers.

A number of technological advancements have taken place during the last five years in various Metro Rail networks 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, UTO is functional in certain stretches of Delhi Metro Rail Corporation;**
- (vii) Indigenous Automatic Train Supervision system (i-ATS) – India's first indigenously built Automatic Train Supervision System developed 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.
