

**GOVERNMENT OF INDIA  
MINISTRY OF HOUSING AND URBAN AFFAIRS  
LOK SABHA  
UNSTARRED QUESTION NO. 3404  
TO BE ANSWERED ON MARCH 20, 2025**

**METRO RAIL CONNECTIVITY IN TAMIL NADU**

**NO. 3404.           SHRI C N ANNADURAI:  
                          SHRI NAVASKANI K:**

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

- (a) the current status of metro rail connectivity in Tamil Nadu in terms of operational and under-construction lines;**
- (b) the manner in which Tamil Nadu's metro rail network compare with the national figures;**
- (c) the details of the steps taken/being taken in the light of significant technological advancements witnessed in various metro rail systems across the country during the last nine years to integrate similar innovation into Tamil Nadu's metro projects;**
- (d) the measures implemented/being implemented to ensure that metro rail connectivity in major urban centres like Chennai aligns with growing urban mobility needs and supports sustainable transport solutions in the State;**
- (e) the details of the funding patterns, project monitoring mechanisms and accountability measures in place for metro rail projects in Tamil Nadu to prevent delays and ensure timely completion; and**
- (f) the details of the future plans and timelines proposed by the Government for expanding and modernizing the metro rail network in Tamil Nadu?**

**ANSWER**

**THE MINISTER OF STATE IN THE  
MINISTRY OF HOUSING AND URBAN AFFAIRS  
(SHRI TOKHAN SAHU)**

- (a),(b),(c),(e)&(f): Urban transport, which is an integral part of urban development, is a state subject. Hence, respective State Government/Union Territory (UT) is responsible for initiating and developing urban transport infrastructure including metro rail projects. The Central Government considers financial assistance for such projects in cities or urban agglomerates, based on feasibility of the proposal and availability of resources, as and when posed by the concerned State Government/Union Territory (UT).**

**At present, about 1,011 kms of Metro Rail Projects are operational and 979.462 Kms of metro rail projects (including Delhi-Meerut RRTS) are under construction across the country. Presently, 54 km of Metro Network covered under phase-I and phase-I extension is already operational in Chennai and on 118.9 km of metro network under Chennai Metro Rail Phase II project, the construction work is underway.**

**Chennai Metro corridors provides connectivity to major city centre viz. airport, railway stations, CMBT, Mylapore, Adyar, Perambur etc. aligning with city's growing urban mobility needs and providing sustainable transport system.**

**Funding to the project is in the form of equity, subordinate debt and Pass Through Assistance. The progress of project is regularly monitored by a High Powered Committee headed by Chief Secretary Government of Tamil Nadu, Board of Directors of Chennai Metro Rail Limited and also at different levels in Central and State Government for its expeditious completion.**

**(d) A number of advancements and technological innovations have taken place during the recent 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 New Ashok Nagar to Meerut South 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 signaling system on Long Term Evolution (LTE) backbone has been introduced on Namo Bharat trains running between New Ashok Nagar to Meerut South Depot on Delhi-Meerut RRTS corridor 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 utilization of resources, UTO is functional on 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.**

**Out of above technology improvements, National Common Mobility Card, QR based ticketing, platform screen doors etc. have been provided in Chennai Metro project. In addition, Chennai Metro Phase-2 has been planned for UTO operations.**

\*\*\*\*\*