

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

RAJYA SABHA
UNSTARRED QUESTION NO. 2338
ANSWERED ON 08.08.2025

MODERNIZATION OF TRAINS AND INTRODUCTION OF NEW SERVICES

2338# SHRI BABURAM NISHAD:
SHRI AMAR PAL MAURYA:

Will the Minister of RAILWAYS be pleased to state:

- (a) whether Government has taken any action to modernize the trains in the country by equipping them with latest technology;
- (b) whether any new modern and highly equipped trains have been introduced in the country to attract passengers and make train travel easier and comfortable; and
- (c) if so, the details thereof?

ANSWER

MINISTER OF RAILWAYS, INFORMATION & BROADCASTING AND
ELECTRONICS & INFORMATION TECHNOLOGY

(SHRI ASHWINI VAISHNAW)

(a) to (c) Modernization and Improvement/up-gradation of Rolling Stock to enhance safety and comfort of passengers is a continuous and ongoing process on Indian Railways.

Indian Railways has increased production of technologically superior LHB coaches with better riding, improved aesthetics and features like Lightweight design, Anti climbing features, Air suspension (Secondary) with failure indication system, stainless steel shell and disc brake system etc.

Production of LHB coaches during 2014-25 vis-à-vis 2004-14 is as under:

Period	LHB coaches manufactured
2004-14	2,337 nos.
2014-25	42,677 nos. (more than 18 times)

Further, with a view to improve travel experience to the passengers, Indian Railways has introduced indigenously designed and manufactured Vande Bharat trains with modern coaches, advanced safety features and passenger amenities. Presently, 144 Vande Bharat services are in operation on the Indian Railway network.

These new Vande Bharat Trains have following features:

- I. Fitted with KAVACH.
- II. Jerk Free Semi-Permanent couplers.
- III. Centrally controlled Automatic Plug Doors and Fully Sealed wider gangways.
- IV. Emergency Alarm Push buttons and Talk Back Units on all Coaches.
- V. Improved fire safety – Aerosol based fire detection and suppression system in electrical cabinets and lavatories.
- VI. Higher acceleration with design/operating speed of 180/160 KMPH.
- VII. Driver-Guard communication with voice recording facility & Crash hardened memory.
- VIII. Air conditioning units with indigenously developed UV-C lamp based disinfection system.
- IX. Better Ride Comfort.
- X. CCTVs in all Coaches.
- XI. For Divyangjan passengers special lavatory in the driving coaches on each end.
- XII. Coach condition monitoring System (CCMS) display with remote monitoring.

Railways have developed fully non-AC modern train named as Amrit Bharat express. Already 14 services are in operation. Presently, these modern trains comprise of 11 General Class coaches, 8 Sleeper Class coaches, 01 Pantry car and 02 Luggage cum Divyangjan coaches.

High Speed and enhanced Safety standards are the hallmarks of these trains with following enhanced features and amenities:

- I. Better aesthetics of seat and berths with enhanced look & feel on the lines of Vande Bharat Sleeper.
- II. Jerk Free Semi-Automatic Couplers.
- III. Improved Crashworthiness in coaches by provision of crash tube.
- IV. Provision of CCTV system in all coaches and Luggage room.

- V. Improved designs of toilets.
- VI. Improved design of Ladder for ease of climbing on to the berth.
- VII. Improved LED Light fitting & Charging Sockets.
- VIII. Provision of EP assisted braking system.
- IX. Aerosol based fire suppression system in toilets and electrical cubicles.
- X. USB Type-A and Type-C mobile charging sockets.
- XI. Emergency Talk Back system for two-way communication between Passenger and Guard/Train Manager.
- XII. Non-AC pantry with enhanced heating capacity.
- XIII. Fully sealed gangways with quick release mechanism for easy attachment and detachment.

Namo Bharat Rapid Rail has been introduced to enhance the travelling experience of suburban and regional commuters for inter-city short distance movement by harnessing the features of Vande Bharat Trains. Presently, 4 Namo Bharat Rapid Rail services are in operation on the Indian Railway network.

The prominent features of Namo Bharat Rapid Rail are as follows:

- I. Centrally controlled Double Leaf Automatic Sliding Doors.
- II. CCTVs for safety and passenger surveillance.
- III. Modular interior with Cushioned Seats and Sealed Flexible Gangway.
- IV. Emergency Talk System.
- V. Continuous LED lighting with Energy Efficient Lighting system.
- VI. FRP Modular Toilets with vacuum evacuation.
- VII. Fully Air-Conditioned trains with Driver cab AC.
