

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
UNSTARRED QUESTION NO. 2497
TO BE ANSWERED ON 21.12.2022
TILTING TECHNOLOGY ON TRAINS**

**†2497. SHRI SHANKAR LALWANI:
DR. BHARATIBEN DHIRUBHAI SHIYAL:**

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways is contemplating to manufacture trains based on tilting technology;**
- (b) if so, the time by which such trains are likely to be introduced in the country;**
- (c) the salient features of these type of trains; and**
- (d) the details of safety measures for passengers to be installed in these trains?**

ANSWER

**MINISTER OF RAILWAYS, COMMUNICATIONS AND
ELECTRONICS & INFORMATION TECHNOLOGY
(SHRI ASHWINI VAISHNAW)**

(a) to (d): It has been a continuous endeavor to manufacture Trains/Coaches for Indian Railways (IR) with latest technology.

IR has floated tender to manufacture 400 rakes of New generation Vande-Bharat sleeper rakes of different technologies.

Technology Partners participating in these tenders may also quote with Trains having tilting technology.

Salient features of Tilting Technology Trains are:

- (i) High Speed on curves and thus reduced travel time,**
- (ii) Minimum affect of Motion Sickness on curve path,**
- (iii) Increased level of ride comfort especially at curved path etc.**

In the tenders, safety measures as per applicable international standards have been incorporated and accordingly, testing and validation of trains are planned as per applicable international standards.