

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
UNSTARRED QUESTION NO.5162
TO BE ANSWERED ON 02.04.2025**

UTILIZATION OF SPECTRUM BY RAILWAYS

†5162. SHRI DAMODAR AGRAWAL:

Will the Minister of RAILWAYS be pleased to state :

- (a) the details of spectrum available with the Railways at present;**
- (b) the details of utilization of the spectrum available by the Railways for various purposes;**
- (c) whether the Railways has provided the available spectrum to private players for commercial use;**
- (d) if so, the details thereof; and**
- (e) the number of Railway Stations across the country on which Wi-Fi facility is being provided to the passengers by the Government?**

ANSWER

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

(SHRI ASHWINI VAISHNAW)

(a) to (e): Indian Railway has been allocated following spectrum in frequency band :

- i. 5MHz spectrum in 700 MHz frequency band for Mobile Train Radio Communication Systems for safety and security.**
- ii. 15 spot frequencies in 405-512 MHz frequency band for Kavach application and Distributed Power Wireless Control System (DPWCS) separately.**

- iii. 9 MHz in Ku Band on GSAT-18 for VSAT applications.**
- iv. 125 KHz in 370-430 MHz frequency band for Tetra communication in Train operations in Western Railway and Metro Railway, Kolkata and**
- v. 0.5 MHz in 5868.5-5917.10 MHz (Uplink) and 2568.5-2587.10 MHz (Downlink) frequency band for Real Time Information System (RTIS).**

The spectrum has been allocated for Captive use only and no Spectrum has been allocated by Indian Railways to any of the private players for commercial use.

Presently, Wi-Fi services have been provided at 6,115 Railway Stations over Indian Railways. Further, almost all the railway stations have 4G/5G coverage provided by the Telecom Service Providers. These networks are also being utilized by passengers for data connectivity resulting in enhanced passenger experience.
