

**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS**

**RAJYA SABHA
UNSTARRED QUESTION NO. 1168
TO BE ANSWERED ON 11TH FEBRUARY, 2022**

PARTNERSHIP WITH FOREIGN COMPANIES FOR 5G TECHNOLOGY

**1168 SHRI RAMKUMAR VERMA:
SHRI SUSHIL KUMAR MODI:**

Will the Minister of Communications be pleased to state:

- (a) whether Government had approved extension of 5G trials for players, details on the update of the trials;
- (b) details of spectrum frequencies already allocated to communication companies for 5G testing and the GHz range in which Indian 5G is expected to operate;
- (c) whether telecom companies have to rely and partner with foreign companies for 5G technology, details thereof;
- (d) steps taken for promotion of 5G domestic indigenous technology, details of progress made; and
- (e) whether there is threat that 5G deployment in India could interfere with airline/ATC communication and the measures taken for its prevention?

ANSWER

**MINISTER OF STATE FOR COMMUNICATIONS
(SHRI DEVUSINH CHAUHAN)**

(a) & (b) Department of Telecommunications (DoT) has granted permission to Telecom Service Providers (TSPs) namely, M/s Bharti Airtel Ltd., M/s Reliance Jio Infocomm Ltd., M/s Vodafone Idea Ltd. on 27th May 2021 and M/s Mahanagar Telephone Nigam Limited on 23rd June 2021 for conducting 5G Technology trials with a validity period of 6 months. Subsequently based on the request by TSPs the permissions have been extended for another period of six months up to 26.05.2022 or till the date of assignment of spectrum for commercial use post auction whichever is earlier. Spectrum has been assigned to the TSPs in 700 Mega Hertz (MHz), 3.5 Giga Hertz (GHz), 26 GHz, V band and E band as per the requirements in different License Service Areas.

(c) & (d) TSPs are sourcing 5G equipment from both foreign as well as Indian companies. Many 5G products are also getting developed by C-DoT and Indian Start-ups. An indigenous 5G Test Bed has been set up at a total cost of Rs. 224 crore to facilitate for experimenting and demonstrating 5G products/ applications/ use cases.

(e) The frequency band opened for International Mobile Telecommunications (IMT), including 5G Technology, in India are sufficiently spaced away from airline altimeter frequencies that there is no aeronautical interference.
