GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS

LOKSABHA
UNSTARRED QUESTION NO.1356
TO BE ANSWERED ON 9TH FEBRUARY, 2022

5G TECHNOLOGY

1356. SHRI GAURAV GOGOI:

Will the Minister of COMMUNICATIONS be pleased to state:

(a) whether the Government is aware of the report of the US Federal Aviation Administration (FAA) that 5G technology could interfere with instruments that facilitate flying of airplanes and if so, the details thereof;

(b) the time by which the 5G spectrum auctions slated to be conducted in India;

(c) whether the Government has studied the potential risks to flight safety likely to be caused by the rollout of 5G services and if so, the details thereof;

(d) whether the spectrum to be allocated for 5G services coincide with the altimeter spectrum; and

(e) if so, the details thereof and the actions taken to prevent safety issues?

ANSWER

MINISTER OF STATE FOR COMMUNICATIONS
(SHRI DEVUSINH CHAUHAN)

(a) Some media reports have been published regarding observations of US Federal Aviation Administration (FAA) on possible interference by 5G technology with Radio Altimeter used in the aircrafts.

(b) DoT has sent a reference to TRAI on 13.09.2021, seeking recommendations on issues involved in auction of spectrum identified for International Mobile Telecommunications (IMT) including 5G technology. After receipt of TRAI recommendations, further necessary action with regard to spectrum auction will be taken. Further, it has been decided that spectrum auction for 5G will be held during the financial year 2022-23.

(c) No study has been carried out in this regard, as the frequency bands opened in the country for IMT including 5G technology are as per the techno-regulatory conditions specified by the International Telecommunication Union and National Frequency Allocation Plan (NFAP)-2018. Further, the frequency band identified for 5G technology is 3300-3670 MHz, among others, which is sufficiently spaced out from the frequency band 4200-4400 MHz, used for Radio Altimeter in the Aircrafts and it is very unlikely to cause any interference with the operation of Radio Altimeters.

(d) & (e) No.

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