

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

**LOK SABHA
UNSTARRED QUESTION NO. 5370
TO BE ANSWERED ON 5TH APRIL, 2023**

WIRELESS COMMUNICATION

5370. SHRI S. JAGATHRAKSHAKAN:

Will the Minister of COMMUNICATIONS be pleased to state:

- (a) whether it has come to the notice of the Government that wireless communications through Low Earth Orbit (LEO) satellites over long distances is proven to be 1.47 times faster than communication over the same distance through terrestrial optic fibre; and
- (b) if so, the details of the initiatives taken/ proposed to be taken by the Government to provide a strong use case for LEO satellite networks (SatNets) to complement terrestrial optic fibre networks?

ANSWER

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

- (a) Sir, the delay caused in propagation of the electromagnetic waves depends on many factors in a network, viz, the distance, material used in the fibre, the quality of network equipment at multiple locations, transmitted signal wave length etc.
- (b) DoT has issued GMPCS (Global Mobile Personal Communications by Satellite) licenses to two companies utilising Low Earth Orbit (LEO)/ Medium Earth Orbit (MEO) Satellite Constellations, viz, M/s OneWeb India Communications Private Limited and Jio Satellite Communication Limited to complement terrestrial optic fibre networks.
