

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE**

**LOK SABHA
UNSTARRED QUESTION NO.675**

TO BE ANSWERED ON WEDNESDAY, JUNE 26, 2019

INDIGENOUS GPS

675. SHRI RAJAN VICHARE:

Will the PRIME MINISTER be pleased to state:

- (a) whether the country is likely to get its own GPS soon and if so, the details thereof;**
- (b) whether ISRO has completed all the necessary preparation in this direction and if so, the details thereof; and**
- (c) whether ISRO has launched seven satellites for this indigenous GPS, the existence of which will obviate India's dependence of navigation on America and if so, the details thereof?**

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG &
PENSIONS AND IN THE PRIME MINISTER'S OFFICE
(DR. JITENDRA SINGH):**

- (a) India's own regional navigation satellite system named as "Navigation with Indian Constellation (NavIC)" is already established by ISRO and is functional from April 2018 onwards.**

(b) & (c)

ISRO has completed all the necessary preparations with regard to establishment of Space Segment (currently Eight IRNSS satellites are in orbit) and Ground Segment (spread across India). The Seven satellites in the system are providing

Positioning, Navigation and Timing (PNT) services and one satellite (IRNSS-1A) is providing messaging services.

The potential of this indigenous system is being demonstrated in various application sectors viz. vehicle tracking system, mobiles, timing & power synchronization, fisheries, surveying etc. For example, all commercial vehicles registered from 1st April 2019 onwards are mandated to have vehicle trackers, which are also NavIC-enabled. More than 30 companies are manufacturing Automotive Research Association of India (ARAI) or International Centre for Automotive Technology (ICAT) approved NavIC-enabled vehicle trackers in India. Through the provision of these services, the dependence on the American-owned GPS could be obviated.
