

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

RAJYA SABHA
UNSTARRED QUESTION NO. 1734

TO BE ANSWERED ON THURSDAY, DECEMBER 27, 2018

LAUNCHING OF DOMESTIC GPS

1734. SHRI NARAYAN LAL PANCHARIYA:

Will the PRIME MINISTER be pleased to state:

- (a) whether Government has conducted any study on excessive reliance on foreign controlled Global Positioning Systems (GPS);
- (b) if so, the details thereof and if not, the reasons therefor;
- (c) whether Government is considering to launch a domestic GPS; and
- (d) if so, the details thereof and if not, the reasons therefor?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG &
PENSIONS AND IN THE PRIME MINISTER'S OFFICE

(DR. JITENDRA SINGH):

- (a) No formal study has been conducted on the above.
- (b) Such a study was not taken up as it is already well-known that the foreign-controlled, US-operated GPS has attained widespread use in India due to its free-of-cost availability and numerous GPS-based systems in the open market. The Government has already initiated concrete steps to proliferate the usage of the indigenous satellite system named Indian Regional Navigation System (IRNSS) or Navigation with Indian Constellation (NavIC).
- (c) Yes Sir. Government has approved the project for a domestic navigation system. ISRO has successfully implemented the same - NavIC (Navigation with Indian Constellation) or IRNSS (Indian regional Navigation Satellite System). The system is operational.
- (d) The NavIC (IRNSS) is an independent Indian satellite-based navigation system to provide PNT (Position, Navigation and Time) service to users over Indian region and

region extending to about 1500km around India. It consists of a Space segment (seven satellite constellation) and Ground Segment (spread across India). The system provides navigation signals in two frequency band, the L5 and S-bands. Two types of services are offered by the NavIC system, namely Standard Positioning Service (Open service for civilians) and Restricted Service (Strategic users).
