

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE**

**LOK SABHA
UNSTARRED QUESTION NO.1439**

TO BE ANSWERED ON WEDNESDAY, DECEMBER 27, 2017

TRANSPONDERS OF SATELLITES

1439. SHRI RADHESHYAM BISWAS:

Will the PRIME MINISTER be pleased to state:

- (a) the details of transponders available with Indian Satellites as on date;**
- (b) whether there is a requirement for more transponders and if so, the details thereof;**
- (c) the number and details of Communication Satellites reaching the end of their service life and the action taken to provide them with sufficient number of transponders to extend their life;**
- (d) whether sufficient slots are available in the space for positioning Indian Satellites; and**
- (e) 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) On indigenous commercial communication INSAT/GSAT satellites, there are about 289 transponders, in various**

frequency bands like C, extended-C, Ku, S etc.; and about 4 Gbps HTS capacity.

(b) As on date, all confirmed demands up to December, 2018 are being fulfilled, except for DTH requirements and three transponders in C and extended-C bands. Requirements for C and extended-C bands are being addressed. DTH requirements are expected to be addressed through upcoming planned satellites over a period of next 2-3 years.

(c) Two satellites are likely to reach end of life in about next 24 months. The replacement satellites are planned to be available in time as replace capacity.

(d) & (e)

In addition to 7 orbital slots that are currently in use, to operate 15 satellites, actions are initiated with International Telecommunication Union (ITU) to acquire additional orbital slots to address future requirements.
