

GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

LOK SABHA

UNSTARRED QUESTION NO. 3084

TO BE ANSWERED ON WEDNESDAY, MARCH 19, 2025

ADVANCE COMMUNICATION SATELLITE

**3084. Shri Praveen Patel:
Shri Biplab Kumar Deb:**

Will the PRIME MINISTER be pleased to state:

- (a) whether the Government plans to develop the advanced satellite communication requirements of the country since the global communication technologies are growing very fast; and**
- (b) if so, the details of such programmes?**

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC
GRIEVANCES & PENSIONS AND IN THE PRIME MINISTER'S OFFICE**

(DR. JITENDRA SINGH):

(a) & (b)

Technologies related to advance satellite communications such as Optical Communication, Quantum Communications, Inter-Satellite Communication, adoption of higher frequency bands of Q/V bands are under development. The Technology Demonstration Satellite (TDS-01) with the new technologies comprising of electrical propulsion, indigenous high-power Ku-Band TWTA, Quantum Communication and Technology Demonstration Satellite (TDS-02) with Software Defined Radio (SDR) payload are under realization.
