

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

RAJYA SABHA
UNSTARRED QUESTION NO. 2852

TO BE ANSWERED ON THURSDAY, DECEMBER 19, 2024

INDIA'S SPACE VISION 2047

2852. SHRI RAMBHAI HARJIBHAI MOKARIYA:

SHRI NARHARI AMIN:

SMT. DARSHANA SINGH:

Will the PRIME MINISTER be pleased to state:

- (a) the details of goal of establishing Bhartiya Antriksh Station to enhance possibilities of future exploration programmes; and
- (b) the details of scheduled ambitious indigenous programmes to achieve India's Space Vision 2047?

ANSWER

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

(DR. JITENDRA SINGH):

- (a) The vision for space in the Amrit kaal envisages including other things, establishing an operational Bharatiya Antariksh Station (BAS) by 2035 and Indian Crewed Lunar Mission by 2040. BAS will be the first National Space Laboratory to conduct multidisciplinary microgravity experiments and studies in the fields of Science, Technologies, Medicine, Agriculture, Space manufacturing, among others. BAS will also be acting as platform for global & national collaboration, gateway to lunar exploration & beyond and to help boosting the Space Economy of the country.

ISRO has initiated development of various technologies for the Bharatiya Antariksh Station. These technologies will be demonstrated through precursor missions for BAS, which has been recently approved by the Government as part of revision in Gaganyaan programme.

(b) Department of Space leap towards India's Space Vision 2047 with the approvals of key Missions which includes,

- Establishment of 1st module of Bharatiya Antariksh Station (BAS) by 2028,
- Development of Next Generation of satellite Launch Vehicle (NGLV) (Re-Usable Low-cost launch vehicle) by 2032,
- Chandrayaan-4 by 2027, to develop and demonstrate the technologies to come back to Earth after successful landing on the Moon and also collect moon samples, and
- Venus Orbiter Mission (VOM) by 2028, to study the Venusian surface and subsurface, atmospheric processes and influence of Sun on Venusian Atmosphere.
