GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

LOK SABHA

UNSTARRED QUESTION NO. 2565

TO BE ANSWERED ON WEDNESDAY, DECEMBER 11, 2024

BHARTIYA ANTRIKSH SPACE STATION

2565. SHRI BHARTRUHARI MAHTAB:
SHRI BIDYUT BARAN MAHATO:
SHRI DULU MAHATO:
SHRI DINESHBHAI MAKWANA:

Will the PRIME MINISTER be pleased to state:

(a) the details of the goals of establishing Bhartiya Antriksh Space Station to enhance possibilities of future exploration programmes; and

(b) the details of the 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):

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(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 Bharatiya Anthariksh 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 successfully 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.**

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