

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

RAJYA SABHA

UNSTARRED QUESTION NO. 1412

TO BE ANSWERED ON THURSDAY, JULY 30, 2026

ESTABLISHMENT OF BHARTIYA ANTRIKSH STATION

1412. SHRI KARTIKEYA SHARMA:

Will the PRIME MINISTER be pleased to state:

- (a) the progress made towards establishment of Bhartiya Antriksh Station (BAS), including the proposed timeline for development and operationalization of its various modules;
- (b) the major technologies milestones achieved and those planned, including human spaceflight technologies, docking systems, life support systems and orbital infrastructure required for the Mission; and
- (c) the details of long-term roadmap for BAS, including its proposed scientific research programmes, international collaborations and expected strategic and commercial outcomes?

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC
GRIEVANCES & PENSIONS AND IN THE PRIME MINISTER'S OFFICE
(DR. JITENDRA SINGH):**

- (a) ISRO has worked out overall configuration of Bharatiya Antariksh Station comprising of five modules. Government has approved the development and launch of 1st module of BAS-01. Overall system engineering of BAS-01 module and technology development activities of various subsystems in hand at various ISRO Centres/Units. The launch of 1st module of BAS is targeted in 2028 and fully operational BAS with all five modules is targeted by 2035.
- (b) New technologies and systems are being developed in the area of Docking Mechanism, Avionics Systems & RF, Controls, Power system, Thermal, Inertial systems, Propulsion and ECLSS, Payload Racks, Crew Quarters, View Ports, Personal Health Monitoring System, Radiation Protection, Structure, Hatches & Mechanisms, Human Machine Interfaces, Cabin systems and Crew communications.
- (c) ISRO is incorporating necessary international standards in the design of BAS-01 subsystems which ensures interoperability of BAS-01 with systems of other international agencies. Further, through currently operational cooperation instruments with other space agencies, potential areas of collaboration including joint development of technologies for Indian Human Space programme, support for utilising niche test facilities are also being explored.
