

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE**

LOK SABHA

UNSTARRED QUESTION NO. 3793

TO BE ANSWERED ON WEDNESDAY, DECEMBER 18, 2024

SHUKRYAAN MISSION

3793. SHRI ANANTA NAYAK:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Government has given final approval for its Shukryaan Mission;**
- (b) if so, the details along with the aims and objectives thereof;**
- (c) time by which the said mission is likely to be launched by ISRO;**
- (d) the total amount of expenditure incurred/likely to be incurred thereon till its launch;**
- (e) the time by which India's first space station will be established;**
- (f) whether ISRO is going to set up/start its first Artificial Intelligence (AI) lab in the space;**
- (g) if so, the salient features of the said space lab and its aims and objectives;**
- (h) the manner in which it is to be helpful in space exploration and establishing India as a potent force in the field of such exploration worldwide; and**
- (i) the total amount of expenditure likely to be incurred thereon?**

ANSWER

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

(DR. JITENDRA SINGH):

- (a) Yes, Sir. Approval given for Venus Orbital Mission (VOM).**
- (b) The proposal for Venus Orbiter Mission (VOM) aims to successfully orbit Venus and better understand the Venusian surface and subsurface, atmospheric processes and influence of Sun on Venusian atmosphere. The mission would provide opportunity to technologists and scientific community of our country, to further explore and understand the Venusian science considerably well before the global community. The Indian Venus Mission is expected to answer some of the outstanding scientific questions resulting in various scientific outcomes.**
- (c) The mission is expected to be accomplished on the opportunity available during March , 2028.**
- (d) The total approved fund for Venus Orbiter Mission is Rs. 1236 Crore, out of which Rs. 824 Crore will be spent on the VOM spacecraft.**
- (e) It is planned to establish the 1st module of Bharatiya Antariksh Station (BAS) by 2028 and a fully operational BAS by 2035.**
- (f), (g) & (h)**
- Setting up of Artificial Intelligence (AI) Lab in Space is not currently envisaged.**

However, Bharatiya Antariksh Station (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 be acting as platform for global & national collaboration, gateway to lunar exploration & beyond and to help boosting the Space Economy of the country.

(i) With the recent approval of revision in Gaganyaan Programme, the scope of the program has been expanded to include precursor missions to Bharatiya Antariksh Station (BAS), including development & launch of 1st module of BAS (BAS-01). With a net additional funding of Rs. ₹11,170 Crore in the already approved programme, the total revised funding of Gaganyaan Programme with enhanced scope is Rs. ₹20,193 Cr.
