

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

RAJYA SABHA

UNSTARRED QUESTION NO. 1094

TO BE ANSWERED ON THURSDAY, FEBRUARY 13, 2025

DELAY IN GAGANYAAN MISSION

1094. DR. SUMER SINGH SOLANKI:

Will the PRIME MINISTER be pleased to state:

- (a) whether Gaganyaan programme was announced in 2019 with a target to send Indians into space by 2022, if so, the reasons for delaying the mission;
- (b) whether the objectives of the Gaganyaan mission are revised or same as envisaged originally, if so, the details thereof; and
- (c) whether there is any impact on the total cost of the Gaganyaan programme due to the delay?

ANSWER

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

(DR. JITENDRA SINGH):

- (a) Major reasons for delay in the targeted launch of 1st Crewed mission are as follows:
 - i. COVID-19 pandemic: Slow pace of work industry during March, 2020-March, 2022. Avionics components production was severely affected due to the pandemic. Supply chain disruption resulted in irregular supply of raw materials and consequent delay in realisation of hardware. The deliveries were shifted/re-scheduled delaying the programme.
 - ii. Global shortage in the supply of space grade and EEE components.
 - iii. Additional validation missions & tests for higher thrust on Crew Safety/mission success.
 - iv. Major design revision in orbital module to contain overall mass within the launcher (HLVM3) capability.

- v. Longer cycle time for the indigenous development of life support system being new technology, since procurement through external route couldn't materialise.

(b) Yes Sir, there is a revision in the scope of Gaganyaan Programme. Against the original plan of undertaking three missions (1 Crewed+2 Uncrewed), the scope of the programme has been enhanced to demonstrate and validate various technologies of Gaganyaan Programme and for building and operating Bharatiya Antariksh Station (BAS) through a total of eight missions (2 Crewed+6 Uncrewed) in a phased manner by 2028.

(c) The total funding for Gaganyaan Programme has been enhanced to ₹20193 Crore to address the programmatic requirements as per the revised scope which includes new developments for Bharatiya Antariksh Station & precursor missions, and additional requirements to meet the ongoing Gaganyaan Programme.
