

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE**

**LOK SABHA**

**UNSTARRED QUESTION NO. 2421**

**TO BE ANSWERED ON WEDNESDAY, DECEMBER 21, 2022**

**FIRST TEST FLIGHT GAGANYAAN**

**2421. SHRI A. RAJA:**

**SHRI A. GANESHAMURTHI**

**Will the PRIME MINISTER be pleased to state:**

- (a) the details of launch of Indian's first test-flight Gaganyaan;**
- (b) whether India's maiden human space-flight mission is likely to be launched in the near future, and if so, the time by which by it is likely to be launched;**
- (c) whether the astronaut crew for the human space-flight mission have been identified and being trained; and**
- (d) if so, the details thereof?**

**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 first uncrewed flight of Gaganyaan programme i.e. 'G1' mission is aimed at validating the performance of Human rated launch vehicle, Orbital module propulsion system, mission**

**management, communication system and recovery operations. The mission will carry a humanoid as payload.**

**In view of the paramount importance of crew safety, two Test Vehicle missions are planned before the 'G1' mission to demonstrate the performance of crew escape system and parachute-based deceleration system for different flight conditions.**

**(b) Yes, Sir. The uncrewed 'G1' mission is targeted to be launched in the last quarter of 2023 followed by the second uncrewed 'G2' mission in the second quarter of 2024. India's maiden human space flight 'H1' mission is targeted to be launched in the fourth quarter of 2024.**

**(c) & (d)**

**Yes, Sir. The astronaut designates for human space flight mission are identified and are currently undergoing their mission specific training at Bengaluru. First semester of Astronaut training has been completed wherein they have undergone course modules on Theoretical basics, Space medicine, Launch vehicles, spacecraft system and ground support infrastructure. Regular physical fitness sessions, aeromedical training and flying practice are also part of crew training. Corresponding evaluation and assessment activities have also been completed. The second semester of crew training is currently in progress.**

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