

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

RAJYA SABHA

UNSTARRED QUESTION NO. 3009

TO BE ANSWERED ON THURSDAY, AUGUST 13, 2026

OPERATIONAL STATUS OF NAVIC CONSTELLATION

3009. SHRI KAMAL HAASAN:

Will the PRIME MINISTER be pleased to state:

- (a) the current operational status of NavIC constellation, including the number of satellites presently providing Position, Navigation and Timing (PNT) services;
- (b) whether Government has assessed the impact of failures of imported atomic clocks on the operational capability of NavIC constellation and if so, the outcomes thereof;
- (c) the present status of deployment of indigenous space-grade rubidium atomic clocks in NavIC constellation; and
- (d) the updated timeline for the launch of remaining second-generation NavIC satellites and for restoring the constellation to its full operational capability?

ANSWER

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

(DR. JITENDRA SINGH):

- (a) Currently three satellites are broadcasting PNT signals and five satellites are capable of broadcasting signals for one-way messaging.

- (b) Yes, the impact has been assessed and corrective measures have been taken and also corrected atomic clocks which flew from 2018 onwards are working satisfactorily.
- (c) India has flown its first Indigenous Atomic clocks in NVS-01 Satellite in May, 2023 and subsequently in NVS-02 satellite in January, 2025. In both satellites Indigenous Atomic clocks are working satisfactorily. Indigenous Atomic Clocks are integral part of all the upcoming NavIC satellites.
- (d) NVS-03 is ready for launch. It will be followed by the launch of NVS-04 and NVS-05. One more satellite is planned thereafter to complete the seven-satellite NavIC base layer constellation.
