

GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

RAJYA SABHA

UNSTARRED QUESTION NO. 2403

TO BE ANSWERED ON THURSDAY, MARCH 24, 2022

MISSIONS OF ISRO

2403. SHRI Y.S. CHOWDARY:

Will the PRIME MINISTER be pleased to state:

- (a) the details of satellites launched from 2017 till date and the purpose of launch;
- (b) the future action plan of the Indian Space Research Organisation (ISRO) which is gearing up for a number of missions including the launch of the first unmanned mission of Gaganyaan;
- (c) the details of pending ISRO projects and also the launch of the Earth Observation Satellites, EOS4 and EOS6 on board the Polar Satellite Launch Vehicle (PSLV), etc; and
- (d) the objectives of Venus mission and other missions and the progress made till date?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG &
PENSIONS AND IN THE PRIME MINISTER'S OFFICE

(DR. JITENDRA SINGH):

- (a) 28 satellites, built by ISRO, have been successfully launched into their designated orbits, since 2017. These satellites have been realized for different purposes of earth observation, communication, navigation, experimental and planetary exploration.
- (b) For the coming years, initiatives are being undertaken for various ambitious missions that includes Technology Demonstration Satellite and GAGANYAAN. About 30 satellites in

the domain of earth observation, communication, navigation and space science are in different stages of realization.

- (c) EOS-04 has been successfully launched and placed in the desired orbit by ISRO on 14 February, 2022. The other ISRO projects in advanced stages of completion include EOS 06, NVS-01 & ADITYA-L1.
- (d) The Venus Mission, which is under study, envisages to further improve our understanding of origin and evolutionary processes of Venus, its atmosphere, ionosphere etc. The various objectives of other ISRO planned missions include improving the understanding of space science, provision of communication and navigation related services, remote sensing applications etc. The missions are under various stages of realization that includes configuration and system study, design, subsystem realization, performance verifications, spacecraft level tests etc..
