

GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

**RAJYA SABHA**

**UNSTARRED QUESTION NO. 3468**

TO BE ANSWERED ON THURSDAY, MARCH 25, 2021

**MARS MISSION**

3468. SHRI K.J. ALPHONS

Will the PRIME MINISTER be pleased to state:

- (a) the status of the Mars Mission;
- (b) when the next launch of unmanned vehicle to Mars; and
- (c) the lessons learned from the earlier mission?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG &

PENSIONS AND IN THE PRIME MINISTER'S OFFICE

(DR. JITENDRA SINGH):

- (a) Mars Orbiter Mission (MOM) completed 6 years in its orbit on September 24, 2020, though the designed mission life was 6 months. ISRO has been continuously monitoring the spacecraft and its five scientific instruments are in good health. Scientific analysis of the data being received from MOM spacecraft is in progress.
- (b) Next mission to Mars is under study phase only.
- (c) MOM is primarily a technology demonstration mission and all the mission objectives were successfully met. The main lessons learnt were in the field of design & realization of systems and subsystems, launch for interplanetary mission, insertion into other planet's orbit, operation of the spacecraft and scientific instruments around Mars orbit. The lesson learnt have raised the confidence of ISRO scientist for taking up future interplanetary missions.

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