

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE**

**LOK SABHA
UNSTARRED QUESTION NO.3619**

TO BE ANSWERED ON WEDNESDAY, DECEMBER 7, 2016

EXPLORING NEW CELESTIAL BODIES

3619. SHRI KUNWAR PUSHPENDRA SINGH CHANDEL:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Government has prepared any proposal for discovery of new celestial bodies and life on other planets;**
- (b) if so, the details thereof;**
- (c) whether the Government proposes to promote new research projects on space science;**
- (d) if so, the details thereof; and**
- (e) the details of funds spent and techniques patented in space sector during the last three years?**

ANSWER

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

(DR. JITENDRA SINGH):

- (a) No Madam. ISRO has not prepared any proposal for discovery of new celestial bodies and life on other planets.**
- (b) Does not arise.**

- (c) **Yes Madam.**
- (d) **ISRO is working on two Space Science projects namely Aditya-L1 and X-ray Polarimeter satellite (XPoSAT). Aditya-L1 mission is aimed at studying the Sun from a halo orbit around the Sun-Earth Lagrangian point 1 (L1), which is about 1.5 million kilometers from the Earth. It carries seven payloads to observe the photosphere, chromosphere and the outermost layers of the Sun, the corona in different wavebands. XPoSAT is the first satellite devoted for X-ray polarization studies of celestial sources.**
- (e) **The details of funds spent in the space sector during the last three years is given below:**

(₹ in crores)

Financial Year	2013-14	2014-15	2015-16
Amount Spent	5168.95	5823.45	6920.00

The details of patents filed and granted during last three years are given below:

Financial Year	Patents Filed	Patents Granted
2013-14	19	2
2014-15	13	12
2015-16	25	15
