

**GOVERNMENT OF INDIA**  
**DEPARTMENT OF SPACE**  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1352**  
**TO BE ANSWERED ON WEDNESDAY, FEBRUARY 09, 2022**  
**SELF RELIANCE IN SPACE SECTOR**

**1352. SHRI JAGDAMBIKA PAL:**

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

- (a) the steps taken by the Indian Space Research Organisation (ISRO) to work towards making India self-reliant and a global leader in the space arena;**
- (b) the details of the number of research papers published by the Indian Space Scientist using the data collected from the Hubble Space Telescope;**
- (c) whether ISRO has any plans or is working to develop an Indian Space Telescope; and**
- (d) if so, the details thereof?**

**ANSWER**

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

**(DR. JITENDRA SINGH):**

- (a) The following initiatives are taken to make India the global leader in space science and technology:**

- I. Technology development projects are going on in ISRO centres spanning the areas of scientific instrumentation, communication, navigation, remote sensing etc.**
  - II. Disruptive technologies based on quantum mechanical principle which includes satellite based quantum communication, quantum radar have been initiated.**
  - III. Initiatives have been taken for the exploration of space weather, the sun, the moon and the other planets as well as astronomical sources.**
  - IV. A decadal plan is under preparation covering scientific and technological development for future space missions.**
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- (b) Indian scientists have authored 540 publications in refereed journals using Hubble data.**
  - (c) ISRO has already realized X-ray and Visible/ Ultra Violet telescope. In the coming years ISRO has plans to develop space telescopes dedicated for UV and visible/IR astronomy.**
  - (d) The planned UV telescope will be made up of a 1 meter mirror and will provide the deepest images in UV.**

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