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.

(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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