

**GOVERNMENT OF INDIA**

**DEPARTMENT OF SPACE**

**LOK SABHA**

**UNSTARRED QUESTION NO. 5681**

**TO BE ANSWERED ON WEDNESDAY, APRIL 06, 2022**

**ISRO SPACE MISSIONS**

**5681. SHRI T.N. PRATHAPAN:**

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

- (a) the details of upcoming ISRO space missions;**
- (b) whether the Government has the data of expenses for these projects and if so, the details thereof;**
- (c) the details of collaborative projects with foreign space research organisations;**
- (d) whether the Government intends to establish more research centres in the country to support the research of ISRO;**
- (e) if so, the details thereof including the funds allocated for the same; and**
- (f) the number of satellites of India for educational, military and climate observation purposes at the international space station and in orbit?**

**ANSWER**

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

**(DR. JITENDRA SINGH):**

**(a) The upcoming ISRO space missions planned in 2022 are as follows:**

- i. 2 Polar Satellite Launch Vehicle (PSLV) missions including 1 dedicated commercial mission and 1 mission for launching the EOS-06 earth observation satellite**
- ii. 2 developmental flights of ISRO's Small Satellite Launch Vehicle (SSLV)**
- iii. 1 Geosynchronous Satellite Launch Vehicle (GSLV) mission for launching NVS-01 navigation satellite for NavIC**
- iv. 1 communication satellite mission (GSAT-24) through procured launch for commercial customer**
- v. 1 Geosynchronous Satellite Launch Vehicle – Mark III (GSLV Mk-III) mission, which is a dedicated commercial mission**

**(b) The details of approved project cost and cumulative expenditure up to February 2022 for these projects are given below:**

**(Rs in Crore)**

<b>Sl. No.</b>	<b>Project</b>	<b>No of Units Approved</b>	<b>Approved Project Cost</b>	<b>Cum. Exp till Feb 2022</b>
<b>1</b>	<b>PSLV Continuation (Phase-6)</b>	<b>30</b>	<b>6131.00</b>	<b>1092.32</b>
<b>2</b>	<b>Oceansat-3 &amp; 3A</b>	<b>2</b>	<b>797.17</b>	<b>471.98</b>

<b>Sl. No.</b>	<b>Project</b>	<b>No of Units Approved</b>	<b>Approved Project Cost</b>	<b>Cum. Exp till Feb 2022</b>
<b>3</b>	<b>Development of SSLV</b>	<b>3</b>	<b>169.06</b>	<b>145.82</b>
<b>4</b>	<b>GSLV-operational (Phase-1 to Phase-3)</b>	<b>16</b>	<b>4365.41</b>	<b>3526.23</b>
<b>5</b>	<b>IRNSS 1J - 1N</b>	<b>5</b>	<b>964.68</b>	<b>403.02</b>
<b>6</b>	<b>GSAT-22/23/24</b>	<b>3</b>	<b>865.75</b>	<b>483.88</b>
<b>7</b>	<b>GSLV Mk III Continuation (Phase-1)</b>	<b>10</b>	<b>4338.20</b>	<b>730.12</b>

**(c) Government pursues collaborative projects with foreign space research organizations with the objectives of enhancing the capacity of the Indian space programme for advancing programmatic priorities, augmenting space science and earth observation data base, widening ground station networks, bettering products and services through joint experiments and creating platforms for inflow of expertise. Currently, Indian Space Research Organisation (ISRO) is working with National Aeronautics and Space Administration (NASA) of United States of America to jointly realise a satellite mission named 'NASA-ISRO Synthetic Aperture Radar (NISAR)' for scientific studies of Earth.**

**(d) Yes, Sir.**

- (e) Existing Space Technology Incubation Centre, Regional Academia Centre for Space will get a grant of Rs. 200 lakhs per year maximum and new proposed cells also will adopt the same guidelines.**
- (f) There are no satellites of India at the International Space Station. A total of nearly 5 transponders across 4 satellites for educational purposes and 4 satellites for climate observation purposes are currently in operation.**

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