

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

RAJYA SABHA
UNSTARRED QUESTION NO. 2849

TO BE ANSWERED ON THURSDAY, DECEMBER 19, 2024

UTILITY OF SMALL SATELLITES

2849. SHRI PRAMOD TIWARI:

Will the PRIME MINISTER be pleased to state:

- (a) whether with launch of Earth Observation Satellite-08(EOS-08) using the Small Satellite Launch Vehicle(SSLV), the utility of small satellites will increase in a variety of sectors;
- (b) if so, the details thereof;
- (c) the current share of country in the world space economy;
- (d) whether privatization of country' small satellite launch sector has generated significant interest; and
- (e) if so, the manner in which the market for space tech is likely to be explored in coming years?

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES
& PENSIONS AND IN THE PRIME MINISTER'S OFFICE
(DR. JITENDRA SINGH):**

(a) & (b)

EOS-08 is a first -of-its kind mission built on a ISRO's IMS-1 bus with advanced payloads for evaluation and multiple new technologies thereby enhancing the bus capacity. ISRO'S IMS-1 Bus system capabilities are considerably improved with the induction of various new technologies in terms of enhanced power generation, more payload mass capacity, increased data download rate and more data storage in EOS-08 Mission. The more efficient bus design proven in EOS-08 is capable to accommodate variety of new payloads. Hence, the bus can be adapted to different applications, thereby having the potential to increase the utility of small satellites in a variety of sectors.

(c) In 2022, the Indian space market is estimated at approximately USD 8.4 Bn., which is at ~2% of the global space market.

(d) & (e)

There is significant growth expected in the Indian space tech market with the participation of all the stakeholder eco system. Government has brought out the Decadal vision and strategy for the Indian space economy, as per which it is expected to target 8% of world space economy by 2033.
