

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE**

**LOK SABHA**

**UNSTARRED QUESTION NO. 1738**

**TO BE ANSWERED ON WEDNESDAY, DECEMBER 13, 2023**

**LAUNCH OF SATELLITES**

**1738. SHRI KANUMURU RAGHU RAMA KRISHNA RAJU:**

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

- (a) whether about 50,000 satellites are likely to be launched in the next ten years and India could pick up a big chunk of this market if so, the details thereof;**
- (b) whether ISRO is famously frugal but the private sector usually finds ways to reduce costs, and the entry of private players has reduced satellite launch costs by close to 90 percent on a per kilogram basis;**
- (c) if so, whether several consortiums of Indian firms are looking to enter the satellite launching market and the transfer of technologies will mean they will be capable of building rockets end-to-end as well as establish their own launch facilities;**
- (d) if so, the details and the present status thereof; and**
- (e) the steps being taken by the Government to find a balance in terms of allowing private sector exploitation of space via light-touch**

**regulation while trying to ensure the avoidance of environmental and other hazards in the future?**

**ANSWER**

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

**(DR. JITENDRA SINGH):**

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- (a) Although there has been an increasing trend of the number of satellites launched over the previous decade, there is no credible data available that confirms that 50,000 satellites could be launched in next 10 years.**
- (b) Efforts are ongoing to reduce the launch costs across ISRO as well as private sector. However, estimating the exact percentage reduction in satellite launch costs is not feasible.**
- (c) & (d)**

**Yes, Sir. With the advent of reforms in the space sector and subsequent release of Indian Space Policy, Non-Government Entities (NGEs) are being encouraged to take up development of their own space transportation system and establish their own launch facilities. Major developments in this regard are as follows:**

- M/s. Skyroot Aerospace Pvt. Ltd. launched their sub-orbital launch vehicle 'Vikram-S', on 18<sup>th</sup> November, 2022.**

- **A private launch pad and a mission control center has been established within the ISRO campus for the first time by M/s. Agnikul cosmos Pvt. Ltd.**
  - **NewSpace India Limited [NSIL] is also working towards realization of operational launch vehicles of ISRO through Indian Industries**
- (e) The Indian Space Policy 2023 already provides a comprehensive regulatory framework for providing a level playing field for Non-Government Entities (NGEs) in the space sector, via authorization through IN-SPACe.**

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