

## Bluebird-2 Mission

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### Why in News?

The LVM3-M6 / BlueBird Block-2 Mission successfully launched on December 19, 2025, into its intended orbit, from Satish Dhawan Space Centre, Sriharikota.

- The BlueBird Block-2 Mission refers to the **ISRO-launched commercial space mission** that successfully placed the BlueBird Block-2 communication satellite.
- **BlueBird Block-2 Satellite** - It is a **communication satellite**, part of the next generation of BlueBird 6 communication satellites.
- **Orbit** - Deployed in Low Earth Orbit (at an altitude of approximately 520 km).
- **Payload**- 6,100 kg.
- **Developed by** - US-based AST SpaceMobile, became the first spacecraft to be launched from Indian soil.
- **Commercial space push** - The mission was executed under a commercial agreement between NewSpace India Limited (NSIL), ISRO's commercial arm and AST SpaceMobile.
- **Launch Vehicle** - LVM3 (ISRO's heaviest rocket, also known as GSLV Mk-III).
- **Flight Number** - It is the 6<sup>th</sup> operational flight of LVM3.
- **Purpose** - It is designed to enable direct-to-mobile connectivity, providing 4G and 5G voice and video calls, text messaging, streaming and data services directly to standard mobile smartphones.
- It represents a major step toward global direct-to-device communication networks.
- **Significance** - It is the largest commercial communications satellite deployed in LEO & the heaviest payload launched by LVM3 from Indian soil.
- This dedicated commercial mission showcases ISRO's growing role in global satellite launches.

To know about LVM-3, click [here](#)

### References

1. [The Hindu | Bluebird Block-2 Mission launched by LVM-3](#)
2. [ISRO | LVM3-M6 / BlueBird Block-2 Mission](#)



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