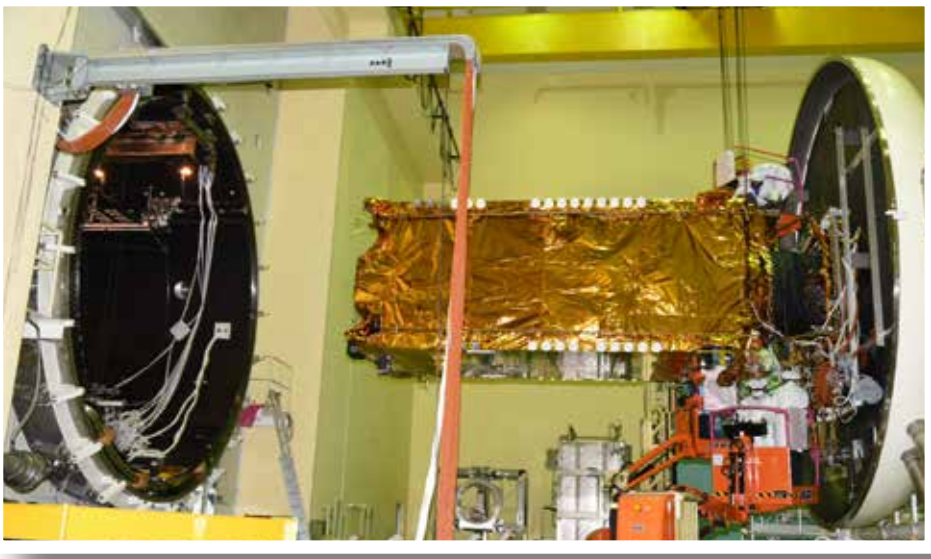
GSAT-11 Mission

05 December, 2018

THE MISSION

India's Telecommunication Satellite GSAT-11 on-board the Ariane-5 VA-246 lifted-off from Kourou, French Guiana at 02:07 AM (IST) on December 05, 2018. After a 30 minute flight, GSAT-11 separated from the Ariane-5 upper stage into an elliptical Geosynchronous Transfer Orbit. The achieved orbit was very close to the intended one.

GSAT-11 is the next generation, high throughput Communication Satellite configured around ISRO's I-6K Bus. GSAT-11, the heaviest satellite built by ISRO and is the forerunner in the series of advanced communication satellites with multispot beams antenna coverage over Indian mainland and islands. It will play a vital role in providing broadband services across the country and also provide a platform to demonstrate new generation applications.



Ariane-5

GSAT-11

THE SATELLITE

GSAT-11 is the first 6 ton class satellite of ISRO and 34th Communication Satellite. The two solar arrays and four antenna reflectors of GSAT-11 are deployed in orbit. The satellite is operational after the successful completion of all in-orbit tests.

GSAT-11 provides high data rate connectivity for users over India using spot beams. It provides broadband connectivity to Gram Panchayats under BharathNet project, as part of Digital India Programme aiming to enhance the public welfare schemes like e-banking, e-health and e-governance among others. GSAT-11 also supports high data rate applications for enterprise network and consumer broadband applications —

- **VSAT Terminals:** Large capacity platform to support a huge subscriber base.
- **Unlock New Applications:** Reaching out to different strata of the society through Digital India platform.

SPECIFICATIONS

Weight	5854 kg
Power	13.6 kW
Stabilization	3-axis
Type of Satellite	Communication
Payloads	• 32 User beams (Ku-band) • 8 Hub beams (Ka-band)
Mission Life	15 Years