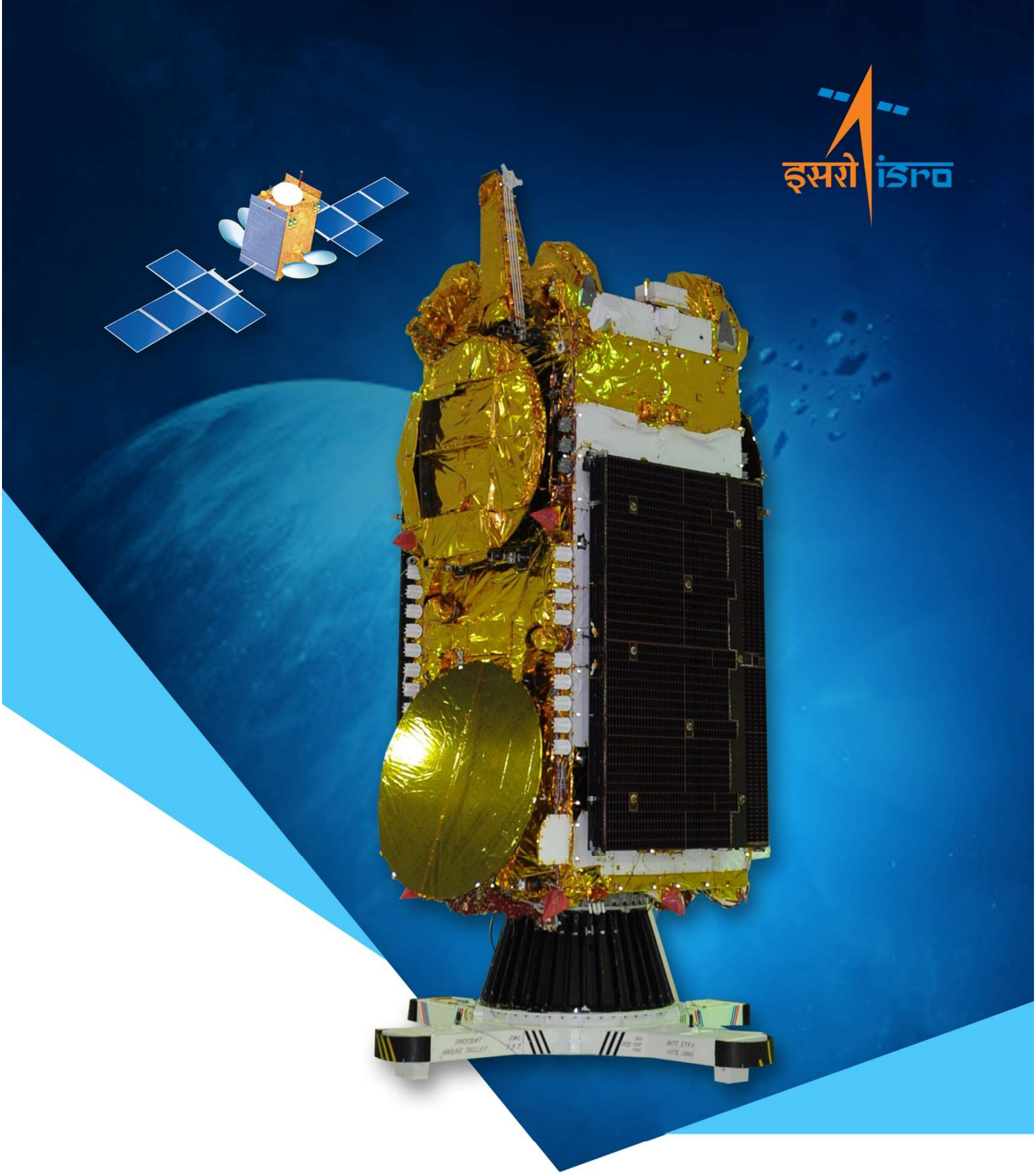
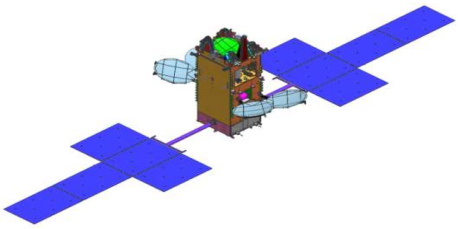


GSAT-11

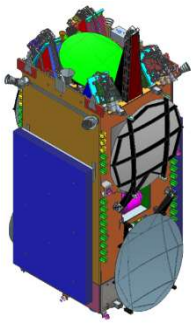
INDIAN SPACE RESEARCH ORGANISATION

GSAT-11



GSAT-11 is the next generation high throughput communication satellite configured around ISRO's I-6K Bus. Weighing about 5854 kg, GSAT-11 is the heaviest satellite built by ISRO.

The satellite is scheduled for launch onboard Ariane-5 launch vehicle (VA 246) from French Guiana. The satellite will be initially placed in the Geosynchronous Transfer Orbit and will subsequently be raised to Geostationary Orbit by firing the Liquid Apogee Motor onboard the satellite.



GSAT-11 will be located at 74° East and is the fore-runner in a series of advanced communications satellite with multi-spot beam antenna coverage over Indian mainland and Islands.

GSAT-11 will play a vital role in providing broadband services across the country. It will also provide a platform to demonstrate new generation applications.

Salient Features

Lift off Mass	5854 kg
Orbital Location	74 °E
Spacecraft Power	13.6 kW
Payload	32 user beams (Ku-band) & 8 Hub beams (Ka-band)
Throughput data rate	16 Gbps
Mission Life	15 Years

Applications

- To meet unprecedented data demands: Greater capacity and high data rates over regions using spot beams
- Supporting BharathNet connectivity: Substantial bandwidth coverage to Gram Panchayats for supporting e-Governance and other digital platforms.
- VSAT Terminals: Large capacity platform to support a huge subscriber base
- Enterprise network and consumer broadband applications: Support high data applications.
- Unlock new applications: Reaching out to different strata of the society through Digital India platform