

GSAT-11

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GSAT-11 is the next generation high throughput communication satellite of India and is the heaviest satellite built by ISRO. GSAT-11 is the fore-runner in a series of advanced communication satellites with multi-spot beams covering Indian mainland and Islands. Use of Ka-band is introduced in India, for the first time, use of Ka-band is introduced in India through indigenously built GSAT-11.

The satellite is scheduled for launch onboard Ariane-5 launch vehicle (VA 246) from French Guiana.

Salient features

1. Lift of Mass : 5854 kg
2. Orbital Location : 74° E
3. Spacecraft Power : 13.6 kW
4. Payload : 32 user beams (Ku-band) & 8 Hub beams (Ka-band)
5. Throughput data rate : 16 Gigabits per second
6. Mission Life : 15 Years

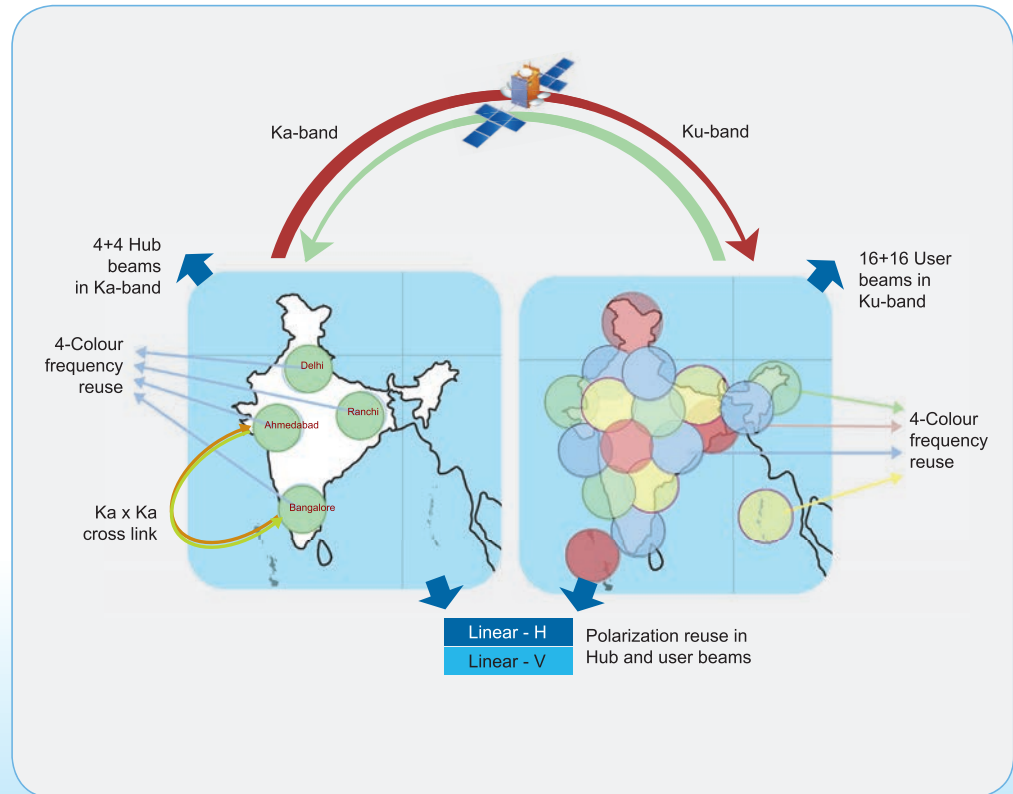
1st 6 ton class satellite of ISRO

34th Communication Satellite built by ISRO

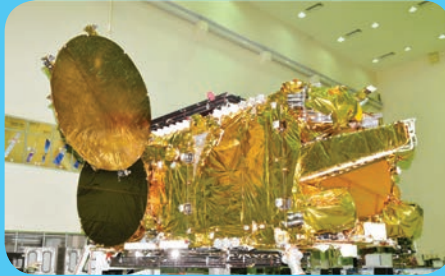
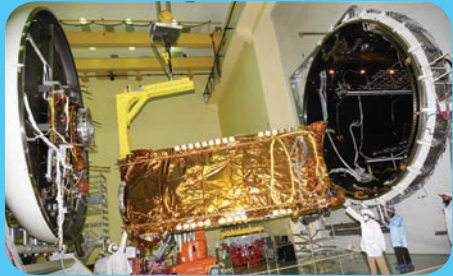


Applications

- 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
- GSAT-11 also supports high data rate applications for enterprise network and consumer broadband applications.



GLIMPSES



Indian Space Research Organisation

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