GSAT-18

Prelims – General Science.

Mains – GS III | Awareness in the fields of IT, Space, Computers, robotics, nano technology, bio-technology and issues relating to intellectual property rights.

Why in News?

Parliament's Public Accounts Committee has expressed "dismay" at the avoidable expenditure on the launch of GSAT-18 communication satellite, which had 6 extended C-band transponders for use in 2027.

- It is a ***high-power satellite*** being inducted into the INSAT/GSAT system.
- **Purpose -** It aims to augment and support existing telecommunication, television, Digital Satellite News Gathering (DSNG), and VSAT services in India.
- It is designed to provide continuity of services on operational satellites in C-band, Extended C-band and Ku-bands.
- **Mission Life -** About 15 years.
- **Type of Satellite** – Communication.
- **Manufacturer –** ISRO.
- **Orbit Type -** GSO (Geosynchronous Orbit).

References

1. Business Standard | GSAT-18 communication satellite
2. ISRO | GSAT-18