

# PSLV-C37

January 6, 2021

In News

PSLV-C37 successfully carried and deployed a **record 104 satellites in sun-synchronous orbits**. It was launched by Indian Space Research Organisation (**ISRO**) from the Satish Dhawan Space Centre at Sriharikota, Andhra Pradesh.

PSLV-C37

- It was the **39th flight of the PSLV** and the sixteenth in the XL configuration.
- It carried a **total of 104 satellites** including the **primary payload Cartosat-2D**

Cartosat 2D Series:-

- The Cartosat 2 D satellite launched with the PSLV 37 C on 15 February 2017 is the **fifth among the six satellites in the series.**
- The **previous Cartosat-2 C satellite** was the primary satellite carried **by PSLV-C34** in July 2016. This satellite is similar to the earlier Cartosat-2, 2A and 2B.
- Cartosat-2 is an **advanced remote sensing satellite** with a single panchromatic camera (**PAN**) capable of providing scene-specific spot images for cartographic applications.
- It is to be placed in a **sun-synchronous polar orbit.**

ISRO Nano satellites (INS):-

- Besides setting the record for the most number of satellites launched in a single mission, the Indian space agency has launched **two nano satellites weighing less than 10 kg with the PSLV C37 mission.**
- It is a technology demonstrator for a new class of

satellites called **ISRO nano satellites (INS)**.

- The main objective of the INS, which will be launched together with bigger satellites, is to provide a platform on which payloads up to 5 kg from universities and R&D laboratories, and ISRO itself can be easily integrated for carrying out scientific research activities.