

## ISRO launches advanced GSAT-7R, India's heaviest communication satellite

Published On: 03-11-2025

Indian Space Research Organisation (ISRO) launched Indian Navy's GSAT-7R (CMS-03) communication satellite today, 02 Nov 2025.

## **About GSAT-7R**

GSAT-7R, also called **CMS-03**, is a next-generation military communication satellite developed by ISRO to replace the aging **GSAT-7A**.

The **indigenously** designed and developed satellite was launched from the Satish Dhawan Space Centre in Sriharikota.

Launched by the **Launch Vehicle Mark-3** (**LVM3**) from Sriharikota and placed in a Geosynchronous **Transfer Orbit** (**GTO**)

This would be the most advanced communication satellite thus far for the **Indian Navy**. The satellite would strengthen Navy's space-based communications and maritime domain awareness capabilities.

This satellite is **the India's heaviest communicat**ion satellite till date, weighing approximately **4,400 kg**, and includes many indigenous state-of-the-art components developed specifically to meet the Indian Navy's operational requirements.

Plot A P.127, AF block, 6 th street, 11th Main Rd, Shanthi Colony, Anna Nagar, Chennai, Tamil Nadu 600040 Phone: **044 4353 9988 / 98403 94477** / Whatsapp : **09710729833**