

ISRO LAUNCHES SATELLITE FOR COMMUNICATIONS

Relevant for: Science & Technology | Topic: Space Technology & related matters

Blasting off:The PSLV C-50 carrying the CMS-01 satellite taking off from the Satish Dhawan Space Centre.PTI

The Indian Space Research Organisation (ISRO) successfully placed into a transfer orbit India's 42nd communications satellite, CMS-01, carried on board the PSLV-C50, from the second launch pad of the Satish Dhawan Space Centre, Sriharikota Range, on Thursday.

India's workhorse launch vehicle, the PSLV, in its 52nd mission, configured in its 'XL' version with six strap-on motors, rose into the skies at 3.41 p.m. The satellite was placed into a precise geosynchronous transfer orbit (GTO) roughly 20 minutes after lift-off.

CMS-01 is a communications satellite envisaged for providing services in extended C Band of the frequency spectrum and its coverage will include the Indian mainland and the Andaman & Nicobar and Lakshadweep islands, the ISRO said. The satellite is expected to have a life of over seven years.

"The satellite was injected precisely into its pre-defined sub-GTO orbit. The satellite is functioning very well and in another four days from now, it will be placed into its specified slot in the geosynchronous orbit after a series of manoeuvres," ISRO Chairman K. Sivan said. He said the satellite would act as a continuation of the GSAT-12 launched 11 years ago.

Mr. Sivan said the next launch, the PSLV-C51, would be a special mission for ISRO and the entire country as the vehicle would carry the country's first private sector satellite under the space reforms programme announced by the Indian government.

"Recently, we have brought in space reforms to unlock India's potential in the space sector, which the Government of India has initiated. Within eight months [of the announcement], the first satellite, from Pixxel India named 'Anand', will be launched on board the PSLV-C51. This is the first among a series of satellites to be launched," Mr. Sivan said.

He said two more satellites, 'Satish Sat' from Space Kidz India and 'Unity Sat' from a consortium of universities will also be launched.

The ISRO Chairman said the PSLV-C51 launch will mark a new era of space reforms in India.

Subscribe to The Hindu digital to get unlimited access to Today's paper

Already have an account ? [Sign in](#)

Start your 14 days free trial. [Sign Up](#)

Find mobile-friendly version of articles from the day's newspaper in one easy-to-read list.

Enjoy reading as many articles as you wish without any limitations.

A select list of articles that match your interests and tastes.

Move smoothly between articles as our pages load instantly.

A one-stop-shop for seeing the latest updates, and managing your preferences.

We brief you on the latest and most important developments, three times a day.

*Our Digital Subscription plans do not currently include the e-paper, crossword and print.

You can support quality journalism by turning off ad blocker or purchase a subscription for unlimited access to The Hindu.

[Sign up for a 30 day free trial.](#)

END

Downloaded from **crackIAS.com**

© **Zuccess App** by crackIAS.com

CrackIAS.com