

# CHANDRAYAAN-3 ENTERS LUNAR ORBIT

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

To enjoy additional benefits

CONNECT WITH US

August 05, 2023 06:07 pm | Updated 08:47 pm IST

COMMENTS

SHARE

READ LATER

Chandrayaan-3's Lunar Orbit Insertion manoeuvre was completed successfully on August 5, 2023. Photo: [Twitter/@isro](https://twitter.com/isro)

The Indian Space Research Organisation (ISRO) on August 5 completed the Lunar-Orbit Insertion (LOI) to successfully put the [Chandrayaan-3 spacecraft](#) into the moon's orbit. The LOI manoeuvre was performed from ISRO Telemetry, Tracking and Command Network (ISTRAC) in Bengaluru. LOI manoeuvre commenced at 7 p.m.

"Chandrayaan-3 has been successfully inserted into the lunar orbit. A retro-burning at the Perilune was commanded from the Mission Operations Complex (MOX), ISTRAC, Bengaluru," the space agency said.

After the completion of the crucial manoeuvre, ISRO on its X social media platform posted "Chandrayaan-3 Mission: MOX, ISTRAC, this is Chandrayaan-3. I am feeling lunar gravity."

Following the success of the LOI, ISRO will carry out four orbit manoeuvres to make the spacecraft enter into its final orbit at a distance of about 100 km from the moon's surface. The first of these manoeuvres is scheduled to take place at 11 pm IST on August 6.

"The next operation - reduction of orbit - is scheduled for Aug 6, 2023, around 11 pm IST," ISRO said. The Chandrayaan-3 consists of a lander module (LM), a propulsion module (PM) and a rover.

The PM and LM separation would happen on August 17. A series of deboost manoeuvres is also scheduled to take place before the power descent phase for soft-landing on the moon. The lander is expected to touch down on the moon surface on August 23 at 5.47 p.m.

On August 4, the space agency said that India's third moon mission, which was launched on July 14 has covered about two-thirds of the distance to the moon.

COMMENTS

SHARE

[space programme](#) / [space programme](#)

BACK TO TOP

Comments have to be in English, and in full sentences. They cannot be abusive or personal. Please abide by our [community guidelines](#) for posting your comments.

We have migrated to a new commenting platform. If you are already a registered user of The Hindu and logged in, you may continue to engage with our articles. If you do not have an account please register and login to post comments. Users can access their older comments by logging into their accounts on Vuukle.

**END**

Downloaded from **crackIAS.com**

© **Zuccess App** by crackIAS.com

CrackIAS.com