



VENUS ORBITER MISSION : SCIENCE & TECHNOLOGY

NEWS : After Moon and Mars, India sights science goals on Venus

WHAT'S IN THE NEWS ?

Cabinet approves mission to Venus for scientific exploration and for better understanding of Venusian atmosphere, geology and generate large amount of science data probing into its thick atmosphere

India's Venus Orbiter Mission (VOM): Key Highlights

Ministry of Information and Broadcasting
Government of India

CABINET DECISIONS
18th September, 2024

Venus Orbiter Mission

Exploring and studying Venusian surface & subsurface

Total fund approved
₹1,200 crore+

Features

- Aims to orbit a **scientific spacecraft** in the orbit of planet **Venus**
- **ISRO** to develop & launch **spacecraft**
- **Employment** generation & **technology spin-off to other sectors**

Mission Overview:

- ISRO's Venus Orbiter Mission (VOM) will send a spacecraft to orbit Venus for in-depth scientific research.
- **Launch Date:** Planned for March 2028.
- **Cost:** Rs. 1236 crore; Rs. 824 crore for spacecraft, payloads, ground support, and launch vehicle.

Objectives:



PL RAJ IAS & IPS ACADEMY

MAKING YOU SERVE THE NATION

- Study Venus's surface and subsurface.
- Analyze its atmosphere and solar activity effects.
- Understand Venus's evolution, including potential past habitability.

Benefits:

- **Scientific:** Insights into Venus's geology and atmosphere.
- **Technological:** Enhances India's space technology.
- **Economic:** Boosts job creation and tech development.
- **Educational:** Engages academic institutions, offering training for students.

Future: Prepares for advanced planetary missions.

Source : <https://pib.gov.in/PressReleaseDetail.aspx?PRID=2055982>

