

India's first human Space mission "Gaganyaan" programme has entered its final phase: Dr. Jitendra Singh

Gaganyaan Yields High Returns at Low Cost, Showcasing India's Space Efficiency: MoS Space Dr. Singh

Gaganyaan Spurs Tech Spinoffs and Industry Growth, Becomes India's Mission: Dr. Jitendra Singh

India Targets Crewed Spaceflight in 2027 as Gaganyaan Moves into Final Leg

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NEW DELHI, May 6 : India's first human Space mission "Gaganyaan" programme has entered its final phase, with the first human spaceflight now scheduled for the first quarter of 2027.

Disclosing this while speaking at a media interaction at National Media Centre here today, Union Minister of State (Independent Charge) for Science and Technology; Earth Sciences and Minister of State for PMO, Department of Atomic Energy, Department of Space, Personnel, Public Grievances and Pensions, Dr. Jitendra Singh provided detailed updates on the mission's current status, technological progress, and the broader economic dividends emerging from India's cost-effective space programme.



ISRO and Secretary, Department of Space, Dr V. Narayanan also accompanied the Minister.



Dr. Jitendra Singh said, the successful completion of the TV-D1 mission and the first uncrewed Test Vehicle Abort Mission earlier this year have laid a strong foundation for the upcoming test schedule. The second Test Vehicle mission (TV-D2) is slated for later in 2025, followed by the uncrewed orbital flights of Gaganyaan. These milestones will culminate in India's maiden human spaceflight in 2027, launching Indian astronauts into orbit aboard an Indian rocket from Indian soil.

Calling it a "historic mission," Dr. Jitendra Singh underlined that the Gaganyaan programme goes far beyond scientific achievement. "It represents India's rise as a global space power built on indigenous technology, fiscal prudence, and visionary political leadership," he said. He also recalled that Prime Minister Narendra Modi had clearly laid out India's long-term ambitions in space, including setting up the Bharatiya Antariksha Station by 2035 and sending the first Indian to the Moon by 2040.

The Human-rated LVM3 vehicle, the Crew Escape System, and the Crew Module and Service Module are all undergoing final stages of testing and integration. He confirmed that the uncrewed orbital Gaganyaan mission is on track for launch later this year, with recovery trials already conducted with the Indian Navy and more sea recovery simulations planned.

Training of astronauts is also progressing steadily.

The media was informed that the four Indian Air Force pilots, selected as astronaut-designates, have completed training in Russia and are undergoing further mission-specific training in India. Their health, psychological fitness, and simulation-based operational readiness are being continuously assessed at India's astronaut training facility.

While sharing these technical advancements, both Dr. Jitendra Singh emphasised the cost-efficiency of the mission. "The expenditure being incurred on the Gaganyaan project is minimal when compared to similar human spaceflight missions conducted by other countries," the Minister said. He added that the mission's returns, both in terms of technological innovation and economic stimulus, far exceed the costs involved.

The programme has already given rise to multiple spinoffs—advancements in robotics, materials, electronics, and medicine—and is fostering deeper collaboration with Indian industry. "Today, Gaganyaan is not just ISRO's mission. It is India's mission," Dr. Jitendra Singh said, noting the vital role played by the private sector and startups following policy reforms initiated by the government.



The Chairman too echoed the view that Gaganyaan is catalysing India's emergence as a self-reliant space power, inspiring a new generation of scientists, engineers, and entrepreneurs. With the crewed mission expected in 2026, India is poised to join an elite group of nations that have independently developed the capability for human spaceflight.

As Gaganyaan advances with focused precision, it serves not just as a leap in scientific capability but as a powerful symbol of India's long-term economic and strategic aspirations in space.

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