

Isro to launch Earth observation satellite capable of photographing India four to five times a day on Aug 12

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The Indian Space & Research Organisation (ISRO) is all set to launch the Earth Observation Satellite, EOS-03 on August 12. The satellite will be launched onboard the Geosynchronous Satellite Launch Vehicle-F10 (GSLV) in the early hours at 5:43 am, the space agency said.

The GSLV will blast off from the second launch pad of Satish Dhawan Space Centre in Sriharikota carrying the state-of-the-art agile Earth observation satellite which will be placed in a Geosynchronous Transfer Orbit. Following deployment, the satellite will reach the final geostationary orbit using its onboard propulsion system.

The GSLV flight will be carrying the satellite in a 4 metre diameter-Ogive shaped payload fairing, which is being flown for the first time on the rocket, that has so far conducted 13 other flights deploying satellite and partner missions into space.

The EOS-03 satellite will enable near-real-time monitoring of natural disasters like floods and cyclones that have become common in the Indian subcontinent as it goes through major environmental and weather changes. The satellite will image the whole country four to five times on a daily basis, sending in key data related to weather and environmental change.

Science & Technology Minister Dr Jitendra Singh had earlier said that in addition to natural disasters, EOS-03 will also enable monitoring of water bodies, crops, vegetation conditions, and forest cover changes.

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