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Isro's 101st mission on Sunday

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MUMBAI: The Indian Space Research Organisation (Isro) will launch its 101st mission at 5.59am on Sunday, the space agency said on Friday.

On-board the Polar Synchronous Launch Vehicle (PSLV)-C61 rocket, the EOS-09 (Earth Observation Satellite-09) carrying the Synthetic Aperture Radar (SAR) payload will take off from the First Launch Pad at Satish Dhawan Space Centre (SDSC), Sriharikota range (SHAR).

"Watch this timelapse of PSLV-C61 / EOS-09 — marking ISRO's 101st launch — as PSLV is moved from the Payload Integration Facility (PIF) to the Mobile

PSLV-C61 MARKS THE 63RD FLIGHT OF PSLV AND THE 27TH USING THE PSLV-XL CONFIGURATION

Service Tower (MST) at SDSC-SHAR, Sriharikota for further integration. A step closer to launch on 18 May at 5:59 IST," the space agency said on X.

Union minister of state for science and technology Jitendra Singh later said, "We are now one step closer to liftoff on 18 May at 05:59 IST."

Placing the 1,696-kg earth observation satellite into a Sun

Synchronous Polar Orbit (SSPO), SAR will provide images for various earth observation applications such as agriculture, forestry, soil moisture, hydrology, and flood mapping under all-weather condition.

PSLV-C61 marks the 63rd flight of PSLV and the 27th using the PSLV-XL configuration.

Isro said Sunday's mission will be sustainable. "Adhering to the ISRO's commitment to the community, the spacecraft will be a debris-free mission. A sufficient amount of fuel has been reserved for de-orbiting the satellite after its effective mission life, lowering it to an orbit that ensures its decay within two years," the agency's launch brochure said.