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PSLV puts Singaporean satellites into orbit



Isro's PSLV-C56 carrying Singapore's DS-SAR satellite along with six others lifts off from the Satish Dhawan Space Centre in Sriharikota on Sunday.

PTI

SATELLITES PLACED IN ORBIT

Around 23 minutes after lift-off, the primary satellite was separated and it was followed by six other co-passenger satellites, which were deployed into the intended orbits sequentially, the space agency said in a statement.

'MILESTONE FOR BILATERAL TIES'

"India-Singapore space partnership marks another milestone with the launch of 7 Singaporean satellites by Indian space agency Isro today," the Indian High Commission in Singapore tweeted hours after the successful launch on Sunday.

AP

PSLV-C56 successfully places 7 Singaporean satellites into orbit

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NEW DELHI: The Indian Space Research Organisation (Isro) on Sunday successfully launched the Polar Satellite Launch Vehicle (PSLV-C56) carrying seven Singaporean satellites, with the primary payload of the island nation's DS-SAR satellite, from the Satish Dhawan Space Centre.

"PSLV-C56/DS-SAR Mission: The mission is successfully accomplished. PSLV-C56 vehicle launched all seven satellites precisely into their intended orbits. Thanks to NSIL, India and Singapore, for the contract," Isro tweeted after the launch.

The launch took place from the first launch pad of the Satish Dhawan Space Centre in Sriharikota. "In the midst of the Chandrayaan-3 mission, Isro scaled another landmark with the successful launch of PSLV-C56/DS-SAR," science minister Jitendra Singh said. "Prime Minister Narendra Modi's consistent support has enabled team ISRO to register one success after the other in a serial form."

PSLV-C56 is configured in its core-alone mode, similar to that



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of C55, its predecessor mission that was launched in April, the space agency said.

PSLV-C55/TeLEOS-2 was launched successfully on April 22 at 2.09pm from Sriharikota. It was a dedicated commercial mission through NewSpace India, Isro's commercial arm, with TeLEOS-2 as the primary satellite and Lumelite-4 as a co-passenger satellite.

The latest mission, which is a follow-up to PSLV-C55, would place DS-SAR, a 360 kg satellite, into a near-equatorial orbit at an altitude of 535 km.

Developed under partnership

between Singapore's Defence Science and Technology Agency and ST Engineering, the DS-SAR satellite will be used to support the satellite imagery requirements of various agencies in Singapore. ST Engineering will use it for location services for its customers.

"DS-SAR carries a Synthetic Aperture Radar (SAR) payload developed by Israel Aerospace Industries (IAI). This allows the DS-SAR to provide for all-weather day and night coverage, and capable of imaging at 1m-resolution at full polarimetry," Isro said.

Other passenger satellites on-board the launch vehicle include VELOX-AM, a 23 kg technology demonstration microsatellite; ARCADE Atmospheric Coupling and Dynamics Explorer (ARCADE), an experimental satellite; SCOOB-II, a 3U nanosatellite flying a technology demonstrator payload; NulIoN by NuSpace, an advanced 3U nanosatellite enabling seamless internet of things connectivity in urban and remote locations; Galaxia-2, a 3U nanosatellite that will be on a low earth orbit; and ORB-I2 STRIDER, a satellite is developed under an international collaboration.