

100th lunch from Satish Dhawan Space Center SHAR, Sriharikota

The first sun's ray of January 29, 2025 on the Indian peninsula marked a historic day as India achieved the 100th lunch from Satish Dhawan Space Center (SDSC) SHAR, Sriharikota at 06.23 hrs (IST). GSLV-F15/NVS-02 mission was launched from the second launch pad. This launch placed NVS-02, second among the second generation of navigation satellites weighing 2250 Kg by 36695 km geosynchronous orbit with an inclination of 20.79°. The launch placed the satellite at an altitude of 322 km with a velocity of 9.7 km/s so that the apoapsis attained is 36695 km and the Periapsis is 170 km. The satellite will advance India's Regional navigation capabilities. This was the first mission from SDSC in the year 2025.

The origin of the spindle shaped island SDSC SHAR can be traced back to the 1960s, when the legendary visionary Dr. Vikram A Sarabhai embarked upon the space research activities in the country. It is nestled in the Serene backwaters of Pulicat Lake flanked by the Buckingham Canal to the west and the Bay of Bengal to the east. On October 9th 1971, the launch of Rohini 125 a dim in of sounding rocket marked the commencement of operations. Since the ISRO has rigorously upgraded the facilities at SDSC SHAR to meet the growing demands. SDSC SHAR delivers top tier launch base infrastructure for national and international needs empowering them to execute wide range satellite missions with precision. These mission span remote sensing, communication, navigation and scientific missions. It is unequivocally recognized as one of the premier space ports in the world. The facility has successfully launched not only Indian but also satellites from other countries successfully. SDSC SHAR is looking forward to extend its facilities to third launch pad to meet the demand and expectation globally.

This launch marked a remarkable milestone for ISRO commemorating the 100th launch from the space port of India, SDSC SHAR, Sriharikota.