

■ NASA, ISRO Jointly Manufacture Dual Frequency Earth Science Satellite

NASA and ISRO have jointly manufactured an earth science satellite named NISAR (NASA-ISRO Synthetic Aperture Radar) at a cost of about Rs 470 crore excluding launch cost. The satellite will be the first radar imaging satellite to use dual frequencies and will use advanced radar imaging to map the elevation of Earth's land and ice masses 4 to 6 times a month at resolutions of 5 to 10 meters. It is



designed to observe and measure some of the planet's most complex natural processes, including ecosystem disturbances, ice-sheet collapse, and natural hazards such as earthquakes, tsunamis, volcanoes and landslides.