Israel welcomes its one millionth immigrant

Operation Banner, the presence of the British Army in Northern Ireland, comes to an end as the longest-running British Army operation ever





His a horrific crime & a gross violation of human rights. On this #EndHumanTrafficking Day, let's act together to stand with victims, hold perpetrators to account & build a world where no one is bought, sold, or exploited.

@antonioguterres



joyous day for our Acultural heritage! It would make every Indian proud that the sacred Piprahwa relics of Bhagwan Buddha have come home after 127 long years. These sacred relics highlight India's close association with Bhagwan Buddha and his noble teachings. It also illustrates our commitment to preserving and protecting different aspects of our glorious culture.

@narendramodi



This false nomencla-**⊥** ture of "researcher" and "engineer", which is a thinly-masked way of describing a two-tier engineering system, is being deleted from @xAI today. There are only engineers. Researcher is a relic term from academia.

@elonmusk





n land, at sea, and in the sky – our warriors are inflicting significant losses on the enemy everywhere. They protect our people and do everything possible for Ukraine to be strong and independent.

@ZelenskyyUa

Disclaimer: (Views expressed by columnists are personal and need not necessarily reflect our editorial stance)



Tracks subtle changes in Earth's land and ice surfaces

A milestone in growing US-India cooperation

Equipped with a 12-meter dish that will unfold in space

NISAR will record nearly all of Earth's land and ice twice every 12 days

**AFP** | Washington, United States

formidable new radar satellite jointly developed by the United States and India launched yessurfaces and help predict both natural and human-caused hazards.

Space Centre on India's southeastern coast, riding an ISRO Geosynchronous Satellite Launch Vehicle rocket.

Livestream of the event and mission teams erupting in cheers and hugging.

Highly anticipated by scientists, the mission has also been US-India cooperation between radar we've ever built.' President Donald Trump and

goes constant and meaningful yearly changes in the shape of change," Karen St Germain, di- the sea floor near river deltas dar frequencies: L-band and rector of NASA's Earth Science and how shorelines are growing S-band. The L-band is ideal for division, told reporters ahead of launch.



terday, designed to track subtle A part of the NASA-ISRO Synthetic Aperture Radar (NISAR) satellite resting in changes in Earth's land and ice a thermal vacuum chamber, meant to mimic the conditions found in space, at NASA's Jet Propulsion Laboratory in August 2020

some are subtle."

By picking up on tiny chang-Synthetic Aperture Radar), the the Earth's surface -- as little as pickup truck-sized spacecraft one centimeter (0.4 inches) --GMT) from the Satish Dhawan the precursors for natural and miles (747 kilometers). human-caused disasters, from earthquakes, landsides and volcanoes to aging infrastructure like dams and bridges.

showed excited schoolchildren swelling, movement, deformathe surface. brought to watch the launch tion and melting of mountain glaciers and ice sheets covering moving, the returning signals and of course, we'll see wild- cessing will reassemble them to fires," added St Germain, calling produce detailed, high-resoluhailed as a milestone in growing NISAR "the most sophisticated tion images.

Prime Minister Narendra Modi. ested in studying its coastal and an impractically large 12-mile-"Our planet surface under- nearby ocean areas by tracking wide dish. or shrinking.

"Some change happens slow- guide agricultural policy by bles more accurate readings of ly. Some happens abruptly. mapping crop growth, tracking shorter plants such as bushes Some changes are large, while plant health, and monitoring and shrubs.

soil moisture.

Dubbed NISAR (NASA-ISRO es in the vertical movement of dish that will unfold in space, craft") programme. NISAR will record nearly all of Earth's land and ice twice every blasted off around 5:40 pm (1210 scientists will be able to detect 12 days from an altitude of 464

## Microwave frequencies

As it orbits, the satellite will continuously transmit micro-"We'll see land substance and waves and receive echoes from

Because the spacecraft is both Greenland and Antarctica. are distorted, but computer pro-

Achieving similar results with India in particular is inter- traditional radar would require

NISAR will operate on two rasensing taller vegetation like Data will also be used to help trees, while the S-band ena-

NASA's Jet Propulsion Laboratory and India's ISRO shared the workload, each building components on opposite sides of the planet before integrating and testing the spacecraft at ISRO's Satellite Integration & Testing Establishment in the southern Indian city of Bengaluru.

NASA's contribution came to just under \$1.2 billion, while ISRO's costs were around \$90 million.

India's space program has made major strides in recent vears, including placing a probe in Mars orbit in 2014 and landing a robot and rover on the Moon in 2023.

Shubhanshu Shukla, a test pilot with the Indian Air Force, recently became the second Indian to travel to space and the first to reach the International Space Station -- a key step toward India's own indigenous crewed mission planned for Equipped with a 12-meter 2027 under the Gaganyaan ("sky



NISAR will be the first radar of its kind in space to systematically map Earth, using two different radar frequencies (L-band and S-band) to measure changes of our planet's surface, including movements as small as centimeter. Synthetic aperture radar (SAR) refers to a technique for producing fine-resolution images from a resolution-limited radar system.

## **UAE** begins pipeline project to ease Gaza water shortage

Jerusalem, Undefined

The United Arab Emir-1 ates has begun construction on a major pipeline to carry desalinated water from Egypt to southern Gaza, according to multiple

Technical teams sent by the UAE have started transporting equipment needed for the project, the Emirati state news agency WAM reported on Wednesday.

The nearly seven-kilometre (4.5-mile) pipeline aims to help alleviate what WAM described as a "water crisis" in the Gaza Strip.

Earlier this week, COGAT -- the Israeli defence ministry body overseeing civil affairs in the Palestinian territories -- said construction of the pipeline would begin in the coming days and was expected to take weeks.

The project would link a desalination plant in Egypt to the Al-Mawasi area along Gaza's coast and could supply about 600,000 people daily, COGAT said.

WAM said the UAE had launched "several initiatives to drill and rehabilitate potable water wells"

Access to clean drinking water is extremely limited across Gaza, forcing its 2.4 million residents to rely on salty, often undrinkable water or irregular aid deliveries.

More than 80 percent of Gaza's water infrastructure has been damaged during the war between Israel and Hamas, according to estimates from the Palestinian Water Authority.

After Israeli supply cuts, most Gazans rely on polluted wells or sporadic NGO water deliveries, hindered by limited aid access.

## Gaza civil defence savs 14 killed by Israeli fire

Gaza City, Palestinian **Territories** 

Gaza's civil defence agency said 14 Palestinians were killed by Israeli fire in four separate incidents on Wednesday, three of them near aid distribution sites.

The territory has been in the grip of war for almost 22 months and now, according to a UN-mandated report, its two-million-plus inhabitants are facing an unfolding famine.

Gaza's civil defence agency spokesman Mahmud Basal said six people were killed by Israeli fire near an aid distribution centre northwest of Rafah.

The Israeli military said it fired warning shots at a group of people who approached its troops hundreds of metres (yards) away from the aid centre and hours before its open-