



International News



Prime Minister Narendra Modi and President Emmanuel Macron during the Bastille Day celebrations in Paris on Friday. ANI

India, France eye defence exports

Dinakar Peri
PARIS

Stating that defence cooperation has been a fundamental pillar of Indo-French ties, and France is an important partner in the Make in India and Atmanirbhar Bharat initiatives, Prime Minister Narendra Modi on Friday said the two countries are discussing possibilities for co-development and co-production of defence equipment and also exporting

them to third countries. "Defence cooperation has been a strong pillar of our ties. It is a symbol of deep mutual trust... France is an important partner in Make in India and self-reliant India," he said at the joint press statement with French President Emmanuel Macron ahead of talks.

CONTINUED ON
» PAGE 8
RELATED REPORT
» PAGE 8

India, France eye defence exports

On Thursday, the Defence Acquisition Council accorded preliminary approval for the procurement of 26 Rafale-M fighters to operate off India's aircraft carriers and three additional Scorpene-class diesel-electric submarines from France.

Referring to the Bastille Day parade where he was the chief guest, Mr. Modi said we all saw the fly-past of Indian Rafale jets, and an Indian Navy ship was also present in a port of France while all contingents all three Services marched.

Mr. Macron too talked of the long history of Indian troops in both the World Wars. "I was proud to see the Punjab Regiment here in the heart of Paris," he said. He added the two countries have identified new areas of cooperation – steel, space, energy, and civil nuclear – and also announced liberalisation of visa systems for students which was welcomed by Mr. Modi. The French President also talked of sending more French students to India, targeting 30,000 by 2030.

On the global situation, Mr. Modi said the effects of the COVID pandemic and the Ukraine conflict have been felt across the globe. "They have had a particularly negative impact on the countries of the Global South. It's a matter of concern. We believe that dialogue and diplomacy should be used to resolve all issues."

The Hindu, 15 July 2023

National News

India's third lunar odyssey begins with perfect launch

Spacecraft enters elliptic parking orbit; soft landing likely on August 23; next 42 days crucial. says ISRO chief. Chandrayaan-3 is a testament to our scientists' relentless dedication: Modi

Hemant C.S.
SRIRAHIKOTA

India's third moon mission, Chandrayaan-3, was successfully launched onboard a Launch Vehicle Mark-3 (LVM-3) rocket from the Satish Dhawan Space Centre in Sriharikota on 2.35 p.m. on Friday.

This is India's second attempt at soft-landing robotic instruments on the lunar surface after the previous attempt, Chandrayaan-2, failed in 2019. Thus far, only three countries, the U.S., Russia and China, have successfully soft-landed on the moon.

Speaking to reporters after the launch, ISRO Chairman S. Somanath said the next 42 days are crucial. "The landing is currently planned on August 23 at



Ambitious mission: The rocket carrying Chandrayaan-3 lifts off from Satish Dhawan Space Centre in Sriharikota on Friday. PTI

5.47 pm IST, if everything goes as per plan," he said. Hailing the launch, Prime Minister Narendra Modi tweeted: "Chandrayaan-3 scripts a new chapter in India's space odyssey. It soars high, elevating the dreams and ambitions of every Indian... This momentous achievement is a testament to our

scientists' relentless dedication. I salute their spirit and ingenuity!"

Minister of State Jitendra Singh, who was present at the launch, said, "It is indeed a moment of glory for India. Thank you team ISRO for making India proud... Today is also a day of vindication: vindication of the dream Vikram Sarabhai [had] six decades ago."

Around 16 minutes after the LVM-3 lifted off, the spacecraft separated from the rocket. It was an integrated module comprising the propulsion module, the lander module, and the rover. It entered into an elliptic parking orbit (EPO).

CONTINUED ON
» PAGE 8
MORE REPORTS
» PAGE 9

Perfect launch to India's third lunar odyssey



Limitless joy: Union Minister Jitendra Singh and ISRO Chairman S. Somanath addressing the media after the launch of Chandrayaan-3. B. JOTHI RAMALINGAM

The EPO's closest approach to earth was around 170 km and farthest, at 36,500 km.

The propulsion module will carry the lander (containing the rover) from the EPO around earth to a circular orbit around the moon, at an altitude of 100 km. This module also carries instrument called 'Spectro-polarimetry of Habitable Planetary Earth' (SHAPE), to study spectral emissions coming from earth.

According to ISRO, the lander can soft-land at a specified lunar site and deploy the rover. The rover will perform in-situ chemical studies of the lunar surface as it moves around. The lander also has scientific instruments to study the lunar surface and subsurface.

The propulsion module will execute a series of manoeuvres over the next month to sling itself towards the moon and be caught there by the moon's gravity. Once it has been captured into a lunar orbit, the lander will detach itself and attempt to soft-land on the moon's surface.

The Chandrayaan-3 mission's objective is to develop and demonstrate new technologies required for inter-planetary missions.

Sport News

Paddy Upton's expertise will benefit Indian team, says coach Craig Fulton

HOCKEY

Press Trust of India
NEW DELHI

Indian hockey chief coach Craig Fulton believes the services of mental conditioning expert Paddy Upton would give his wards the edge in the upcoming Asian Champions Trophy and Hangzhou Asian Games.

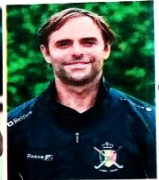
"In high performance sport, those who have the mental edge are normally the most consistent and win more than they lose," Fulton said in a release issued by Hockey India. "Consistently, if you're doing the right things more often than the opposition then you normally get the results or you set yourself up to get a result. So, that was the number one reason to get Paddy on board."

India will next play at the Asian Champions Trophy in Chennai beginning August 3. It will be followed by the high-stakes Hangzhou Asian Games, where the Indian team will be vying for direct qualification to the 2024 Paris Olympics.

Acknowledging the strong competition and the



Paddy Upton and Craig Fulton. FILE PHOTOS



importance of collective focus on their own process and preparation, Fulton said: "It's more about India being able to play to its strengths, make the difference in where we haven't or where the team has lacked previously."

"We're fortunate that we have some games now. We go to Spain next week

for four-nation tournament. And then we have the Asian Champions Trophy after that, following which we have a nice block leading into the Asian Games of training."

Asked about his decision to take up the coaching role with the Indian squad, Fulton said: "The Indian opportunity came to me, and I was really excited about it because it was a new challenge. I had my own ideas and I had the things that I wanted to try and implement. "So yeah, the Indian opportunity was just too big to turn down. And I'm really 100% all in. I really want to make it a success and yeah, I'll bring some glory back to India."

The Hindu, 15 July 2023

The Hindu, 15 July 2023