

## DefExpo gives boost to ‘Make in India’

*Breakthrough moment for defence sector, says Rajnath*

*By Ajay Banerjee*

Lucknow: A number of people thronged the DefExpo 2020 venue here to get a glimpse of India’s growing defence prowess as the event was opened to public on Saturday. Defence Minister Rajnath Singh termed the event as a breakthrough moment in the field of Indian defence manufacturing sector.

The first three days of the five-day DefExpo were classified as “business days”.

In the first three days, Indian companies not just entered into joint ventures with global companies, but they also announced to buy companies holding critical technologies.

From the Ministry of Defence, missiles and artillery guns made by the Defence Research and Development Organisation (DRDO) and Ordnance Factory Board (OFB) are a success story.

From the latest anti-sat missiles to strike in space to truck-mounted Akash missiles are now made in India. The artillery guns of the DRDO and OFB could mean there would possibly be no more imports.

Away from the public sector giants and well-known tie-ups that Boeing Airbus and Lockheed Martin have in India, new JVs have emerged.

Private sector company Bharat Forge, a major player in the artillery programme, is ambitious. Baba Kalyani, Chairman of Bharat Forge, claims, “We can be the artillery leader by 2030.”

Pavitra Goel, General Manager at Lohia Groups, says, “We have purchased a firm in Israel doing the latest in composites and are now a ‘Tier one’ supplier to an Israel aerospace company.” “We can provide composites for planes and missiles,” added Goel.

Among drones, Adani has tied up with Elbit of Israel for making an anti-drone system.

Noida-based Tak technologies has tied up with Russian partners to undertake indigenous design and development of electro-optical/night vision equipment.

In the field of small arms, Bangalore-based SSS Defence had a range of locally made future infantry small arms and light weapons as well as small and medium calibre ammunition.

Rajnath said DefExpo 2020 not only witnessed participation of a large number of exhibitors, but also forged new partnerships and attracted more than 12 lakh visitors.

<https://www.tribuneindia.com/news/defexpo-gives-boost-to-make-in-india-38026>

## **Light Utility Helicopter gets wings at Defexpo-2020**

Lucknow: The single-engine Light Utility Helicopter (LUH) got wings at Defexpo-2020 on Friday after Chairman Defence Research and Development Organisation's initial operational clearance to Hindustan Aeronautics Limited for its production.

HAL CMD R Madhavan received the initial operational clearance certification from G. Sateesh Reddy, Chairman, DRDO, at the 'Bandhan' programme held at the ongoing DefExpo 2020 in the presence of Defence Minister Rajnath Singh and Uttar Pradesh Chief Minister Yogi Adityanath and others.

The move will help armed forces to replace the ageing fleet of Cheetah and Chetak helicopters.

HAL will be manufacturing indigenously designed and developed helicopters that will meet the operational requirements of armed forces.

"This is a momentous occasion for HAL. It reinforces our commitment towards indigenous R&D programmes on self-reliance and enhancing operational effectiveness of the Indian armed forces. HAL is fully geared to fulfil the requirements of its customers in a time-bound manner," said R Madhavan.

Arup Chatterjee, Director, Engineering & R&D, HAL, said the performance of basic configuration of LUH in all terrains and under all weather conditions is satisfactory and that HAL is moving towards the next phase.

One LUH Prototype is part of flying display and another is part of the static display at the DefExpo 2020.

"Till now three prototypes have been built and cumulatively completed over 550 flights under various terrains and climatic conditions like cold and hot weather, at sea-level and high altitude complying with stringent certification and user requirements," HAL said.

HAL said the helicopter's endurance and reliability were established during the hot weather and high-altitude trials wherein LUH was ferried from Bengaluru, covering over 7000 km and continuously flying for 17 days without any abnormality. (IANS)

<https://www.sentinelassam.com/national-news/light-utility-helicopter-gets-wings-at-defexpo-2020/>



## **Defense Expo 2020 combat app will prevent soldiers from committing suicide – Combat app will stop troopers from suicide, DRDO created, each soldier will probably be monitored**

*By Abigale Lormen*

The rising despair and suicidal tendencies within the troopers will quickly cease. For this, Defense Institute of Psychological Research (DIPR) of Defense Research and Development Organization (DRDO) has created Combat App.

Through this, modifications within the temper of the troopers may be consistently monitored. Currently the trial of this app is being executed at Army War College Mhow. It is getting constructive outcomes.

It is being reported within the corridor quantity eight of the Defense Expo. DIPR analyzes and explores the temper of troopers working in an uneven state of affairs.

In this sequence, the institute has created Combat app to cut back despair in troopers and forestall suicidal tendencies. This app has options to maintain a relentless watch on the temper of the three military personnel and officers.

The technical officer of DIPR, Shubham, stated that by taking the thoughts of the troopers and officers from the Combat app, needed steps are being taken of their curiosity. Counseling then helps in getting them out of despair.

According to a report, 437 army personnel dedicated suicide within the final 4 years. These embody 340 Army, 18 Navy and 79 Air Force personnel and officers. While solely 237 jawans and officers died throughout this time within the conflict. In this fashion, the dying of army personnel within the nation is much less in conflict, however greater than suicide.

### **CPSS replaces PABT**

Several a long time previous Pilot Aptitude and Battery Test (PABT) within the Flying Branch of the Airforce, Army, Navy and Coast Guard has been changed with Computerized Pilot Selection System (CPSS).

The CPSS consists of superior flight simulation gear, cockpit, monitor and radar management exams. It is designed maintaining in thoughts the superior fighter plane like Sukhoi and Tejas. It has additionally been made by DIPR.

<https://ourbitcoinnews.com/defense-expo-2020-combat-app-will-prevent-soldiers-from-committing-suicide-combat-app-will-prevent-soldiers-from-suicide-drdo-created-every-soldier-will-be-monitored/>

## **Defense Expo 2020 Marksman will give reply to stone pelters – Defense Expo 2020: 'Marksman' will give smashing stoneback**

*By Abigale Lormen*

Marksman has been ready to cope with the issue of stone pelting in Kashmir. It solutions the stone with a laser. As quickly because the laser is forged, the eyes of the stone bearers and darkness falls. They are compelled to flee from the spot.

Marksman is featured within the Static show of the Defense Expo. Where the viewers additionally photographed on Saturday. It additionally grew to become a middle of attraction. It has been ready by the joint efforts of DRDO and Mahindra.

Mahindra designed the automobile, whereas DRDO fitted all army gear. DRDO scientist Manmohan informed that this car has been named Marksman. It is totally bulletproof. It is utilized in locations the place the gang has turn into uncontrolled.

He additional defined that lathi cost remains to be on the miscreant crowd. Tear gasoline is launched or water canon is used. But now they're compelled to retreat with out hurting them with the assistance of this Marksman.

The car creates a big laser spot and falls on individuals's eyes. They cease showing for some time. Meanwhile, the police get an opportunity to catch the protesters.

Not solely this, if a demonstrator is hidden, then it helps to seek out his identify simply. He additionally stated that it has not but been allowed to make use of it in Kashmir. It is getting used within the Northern Command of the Army.

<https://ourbitcoinnews.com/defense-expo-2020-marksman-will-give-reply-to-stone-pelters-defense-expo-2020-marksman-will-give-smashing-stoneback/>