

# समाचार पत्रों से चयित अंश Newspapers Clippings

दैनिक सामयिक अभिज्ञता सेवा

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## छद्म टारगेट को हिट कर साधा अचूक निशाना

### 'नाग' मिसाइल का ट्रायल

- पोखरण फील्ड फायरिंग रेंज में 4-5 दिन चलेगा परीक्षण

जैसलमेर, (विमल भाटिया): फायर एण्ड फोरगेट वाली थर्ड जनरेशन एन्टी टैंक 'नाग' मिसाइल के अपग्रेड वर्जन प्रोसपीना के लैंड अटैक वर्जन का मंगलवार को पोखरण फील्ड फायरिंग रेंज में परीक्षण किया गया। यह परीक्षण 4-5 दिन चलेगा। सूत्रों के अनुसार पोखरण रेंज में शुरू परीक्षण में मिसाइल से दुश्मन के छद्म टारगेट को हिट कर अचूक निशाना साधा। मिसाइल के इमेजिंग इन्फ्रारेड सीकर्स



नाग मिसाइल।

में और सुधार किया गया है, जो कि उसे छोड़ने के बाद टारगेट को हिट करने के लिए गाइड करते हैं। गत वर्ष इन्फ्रारेड सीकर्स को टारगेट और उसके आसपास के इलाकों को गर्म

तापमान में पहचान करने में कुछ दिक्कत आ रही थी। इसलिए इस मिसाइल में अब उच्च सिनसेटिव डिटेक्टर डाले गए जो कि हीट और इन्फ्रारेड सिग्नल को भांप सके।

### दुश्मन का पीछा कर तबाह कर देती है

डीआरडीओ के सूत्रों ने बताया कि दागो और भूल जाओ वाली इस मिसाइल की कई खूबियां हैं, जिसमें इमेज के जरिये संकेत मिलने पर इसे दागने के बाद ये दुश्मन के टैंक का पीछा करते हुए उसे तबाह कर देगी। इस मिसाइल को पहाड़ी पर या एक से दूसरी जगह ले जाया जा सकता है। इस मिसाइल में इमेजिंग इन्फ्रारेड आईआईआर लगा होता है जो कि टारगेट हिट करने पर गाइड करता है भले ही टारगेट चलायमान हो।

### गत वर्ष सफल नहीं हुए थे ट्रायल

गत वर्ष मिसाइल के चार किलोमीटर रेंज के ट्रायल महाजन फील्ड फायरिंग रेंज में हुए थे, लेकिन यह ट्रायल सफल नहीं हुए थे, इसके कारण इस बार इसकी रेंज घटाकर 3 से 3.2 किलोमीटर तक की गई है। गौरतलब है कि महाजन फील्ड में परीक्षण किए गए थे, उसमें थर्मल टारगेट सिस्टम टीटीएस का इस्तेमाल किया गया था, जो कि जोधपुर की सेना प्रयोगशाला में विकसित किया गया था।

### 350 करोड़ से ज्यादा का बजट

सूत्रों ने बताया कि मिसाइल को सेना की आरडी प्रयोगशाला हैदराबाद में विकसित किया है, इस पर अब तक 350 करोड़ से ज्यादा का बजट लग चुका है। इस मिसाइल को दिन और रात इस्तेमाल किया जा सकता है।

## Business Standard

Tue, 13 June, 2017  
(Online)

## Defence Minister Unveils DRDO key achievements 2014-17

The Defence Minister Shri Arun Jaitley unveiled a compilation of the contribution of the Defence Research & Development Organisation (DRDO) to the Indian Armed and Paramilitary Forces here today. The DRDO Chairman and Secretary, Department of Defence R&D Dr. S Christopher, Chief of the Army Staff General Bipin Rawat, Vice Chief of the Naval Staff Vice Admiral Karambir Singh, Vice Chief of the Air Staff Air Marshal S B Deo and other senior officials of the Ministry of Defence & the DRDO were also present on the occasion of the release of the DRDO Key Achievements 2014-17" compilation.

A number of DRDO developed weapon systems, platforms, dual use equipment have been accepted and inducted in the Indian Armed Forces and Paramilitary Forces. Some of the notable successful tests completed and inducted are Tejas fighters, Airborne Early Warning and Control System (AEW&C) System, Akash Weapon System, SONAR systems, Varunastra Torpedo, Bharani Weapon Locating Radar (WLR), Nuclear Biological Chemical (NBC) Recce Vehicle, AGNI-V, Long Range Surface to Air Missile (LRSAM), Medium

Range Surface to Air Missile (MRSAM), NAG, Advanced Towed Array Gun (ATAG), Wheeled Armoured platform (WhAP), RUSTOM-II MALE Unmanned Aerial Vehicle, etc.

The production value of DRDO developed products, cleared by the Defence Acquisition Council has grown by 60 per cent in the last three years to approximately Rs. 2,57,000 crore from nearly Rs.1,61,000 crore. The export potential of DRDO developed systems has also increased manifolds and this year export of torpedo stands at US\$ 37.9 million. This is a step towards achieving self-reliance in critical defence systems and realisation of the Prime Ministers vision of Make in India.



*Wed, 14 June, 2017*

## **Opt For Books to Shun Violence: Gen Rawat**

Against the backdrop of continuing unrest in Jammu & Kashmir and rising number of incidents of stone pelting, Army Chief General Bipin Rawat on Tuesday urged students from Kashmir to opt for books and laptops to end violence in the State.

"They (the youth) should either have a laptop or a book. Whatever time they get they should devote to studies," the Army Chief said while interacting here with a group of candidates from the state who cleared the Indian Institute of Technology (IIT) entrance examination and Joint Entrance Examination (JEE). Lauding their feat, he said their success was not an easy accomplishment adding they have now become a shining example for the youth in the Kashmir Valley.

The successful candidates are from Army's Super-40 coaching initiative to train local children for engineering entrance examination. The coaching scheme started four years back and this year 26 boys and two girls from the state cracked the prestigious IIT-JEE Mains examination. Nine students successfully qualified for the IIT Advanced Examinations, the results of which were declared some days back.

The coaching is conducted at Srinagar by Army, its training partner Centre for Social Responsibility & Learning (CSRL) and Petronet LNG. This was also the first batch in which five girls from Kashmir valley were coached in Delhi. Two of the five qualified in the JEE Mains. Army provides boarding and lodging for the candidates.

Addressing the students, Rawat referred to his stints in the State over the years and said the situation started deteriorating in during his second posting in 1991. "I have seen the situation. How many generations will see this gunfire and smoke from explosives?" he asked. "Generations have been destroyed due to this. The fear that has set in the mind of people of Kashmir and the youth... (that) a militant or the security forces will come.

"So you have militants on one side and security forces on the other. How long will we stay in this atmosphere? We have to put an end to it. We wish that peace is restored there and we carry out our daily work without any problem," Rawat said. He also said the recent spell of unrest has led to decline in tourism in the Valley.

"Kashmir is heaven. We have to again bring it to that level which was there before. The world flocks to see the Valley, but people are not able to come because of the tension," he said. Rawat urged the students to return to their roots after completing their studies and help in the development of the State.

This year 35 students were enrolled for this programme and 24 of them cleared JEE Mains and are eligible for a seat in the National Institute of Technology(NITs).

Of the 24, nine passed JEE Advanced, an entrance test to get an IIT berth. The remaining 11, who could not clear entrance for the NITs or IITs, have passed the Jammu and Kashmir's Common Entrance Test (CET) for engineering. The Army is now planning to increase the strength of coaching classes and wants to select 50 candidates for Army-50 next year, officials said.

Felicitating the successful candidates here, Minister of State for Personnel Jitendra Singh, who is a Lok Sabha MP from Jammu and Kashmir's Udhampur constituency, said these students have set an example before others to follow. He also said in the recently declared Civil Services Examination results, 14 candidates from the state made it to the list. Singh said that in the civil services exam result declared recently.

## THE ASIAN AGE

Wed, 14 June, 2017

### N. Korea drone took pics of US missile launchers

Seoul, June 13: Seoul says a suspected North Korean drone found near the Korean border last week was found to have taken photos of a US missile defence shield in the South.

Seoul's defence ministry said investigators discovered hundreds of photos from the drone's Sony-made in-built camera.

The ministry says they include 10 photos of US missile launchers and a radar system installed in

the southeastern town of Seongju earlier this year. It says the rest are mostly photos of residential areas, farming fields and other less-sensitive areas in the South.

Drones are a relatively new addition to North Korea's arsenal. In 2014, North Korean drones were found south of the border and experts said they were low-tech but could be considered as a potential security threat.

**The Statesman**  
PEOPLE'S PARLIAMENT, ALWAYS IN SESSION

Wed, 14 June, 2017

### Russia, China, North Korea key challenges for US

Russia, China, Iran, North Korea and violent extremist organisations are key challenges before America, Defence Secretary James Mattis has said insisting that US military requires a balanced inventory of advanced capabilities to act decisively.

"In today's strategic environment, five key challenges ~Russia, China, Iran, North Korea, and violent extremist organisations most clearly represent the challenges facing the US military," Mattis told members of the House Armed Services Committee during a Congressional hearing on Monday night. "They serve as a benchmark for our global posture, the size of the force, capability development, and risk management," he said. Over the past several decades, each of these state actors have developed capabilities and operational approaches to counter US strategic and operational centres of gravity, he said. "For Russia and China, specifically, the lessons-learnt spurred dramatic tactical, operational, and strategic adaptations," he said.

"Today, Russia continues to invest in a full-range of capabilities designed to limit our ability to project power into Europe and meet our alliance commitments to NATO," said Mattis, adding, China has embarked on significant programme to modernise and expand strategic, conventional military capabilities.

"North Korea's nuclear weapons development, combined with efforts to develop a nuclear-capable ballistic missile capability, is specifically intended to threaten the security of the homeland and our Allies in the Pacific. Moreover, North Korea has demonstrated a willingness to use malicious cyber tools against

governments and industry,” he said. He further said, Tehran continue to support international terrorist organisations like Hezbollah, and support proxies in Syria, Iraq, and Yemen to assert influence and counter the influence of the US and its Allies. “Finally, violent extremist organisations such as ISIS and al Qaida remain a threat to the homeland,” he said.



Wed, 14 June, 2017

## NASA to Reveal Kepler Mission Analyses

NASA is set to reveal the latest discoveries from its ongoing hunt for planets outside of our solar system, in an event next week that could ultimately help guide the search for alien life. While little information has been disclosed about the findings, the new results from the Kepler mission are said to be “the most complete and reliable accounting of distant worlds to date.”

The Kepler mission has spotted thousands of confirmed exoplanets over the years, with 21 planets not much larger than Earth now known to exist in the habitable zone. The briefing will take place at NASA’s Ames Research Center in Silicon Valley at 11 a.m. (EDT) on Monday, June 19. It will also be live-streamed on NASA’s website. According to NASA, the new catalogue is the result of “the most sophisticated analyses yet,” by the Kepler mission, and will give rise to new lines of exoplanet research. Scientists from the Astrophysics Division of NASA’s Science Mission Directorate, as well as the Search for Extraterrestrial Intelligence (SETI) Institute, University of Hawaii at Manoa, and Caltech will speak at the event on Monday as they reveal the latest planet candidate results.

The Kepler space telescope launched in 2009, in a major breakthrough in the search for Earth-sized planets outside of our solar system that may be in or near the habitable zone of their star. Just last summer, astronomers revealed they’d discovered 197 new planet candidates, and confirmed 104 planets through the Kepler mission. The planets, which are all between 20 and 50 per cent larger than Earth by diameter, are orbiting the M dwarf star K2-72, found 181 light years away.

At the time, the researchers led by the University of Arizona said the possibility of life on planets around a star of this kind cannot be ruled out. Since its launch, the Kepler mission has been plagued by several setbacks, it has still continued to spot new objects outside of our solar system. In its initial mission, Kepler surveyed just one patch of sky in the northern hemisphere, measuring the frequency of planets that might be similar to Earth. In the spacecraft’s extended mission in 2013, it lost its ability to precisely stare at its original target area, but a fix helped it continue. — Daily Mail



Wed, 14 June, 2017

## CSIR inks deal with Ethiopian institute

*Involves technical collaboration*

The Council of Scientific and Industrial Research (CSIR) has signed a \$7 million (₹45 crore approx.) agreement with the Metal Industries Development Institute (MIDI), Ethiopia. According to CSIR sources, this is the largest, international deal it has ever signed.

“We’ve had cooperation with the Ethiopian science and technology ministry and other African nations for a while,” Dr. B. Chandrasekaran, Director, CSIR-Central Leather Research Institute (CLRI), told *The Hindu*. “Apart from training and management consultancy, we are also looking at transferring technology.” The CLRI has had collaborations with Ethiopia on a previous \$5 mn. (₹32 crore approx.) project but this involves several other CSIR laboratories.

This is a three-year contract and personnel from both organisations are expected to begin technical collaboration from next month. The CSIR — strapped for research funds — has committed to securing 10%-15% of its ₹4,000 crore budget through external projects and sources.

The agreement was signed by the Director of National Metallurgical Laboratory (NML), Jamshedpur and the project will be executed by the CSIR-NML, CSIR-Central Mechanical Engineering Research Institute, Durgapur, CSIR-Central Electronics Engineering Research Institute, Pilani, CSIR-Central Scientific Instruments Organisation, Chandigarh and CSIR-CLRI, Chennai.

According to a CSIR press statement, the agreement was signed at Addis Ababa in the presence of Dr. Alemu Sime, State Minister of Industry, Federal Democratic Republic of Ethiopia, H.E. Mr. Teshome Lemm.