

समाचार पत्रों से चयित अंश Newspapers Clippings

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पिनाक मिसाइलों के दो सफल परीक्षण

नई दिल्ली, (भाषा): रक्षा अनुसंधान एवं विकास संगठन (डीआरडीओ) ने पिनाक मिसाइलों के दो सफल परीक्षण किए हैं जिनमें कम दूरी पर इसकी मारक क्षमता और आयुध कार्यप्रणाली जैसे उद्देश्यों की पड़ताल की गई।

डीआरडीओ ने कहा, 'पहला परीक्षण 19 दिसंबर को किया गया जिसमें एक मिसाइल 75 किलोमीटर दूर स्थित लक्ष्य पर दागी गई। दूसरा सफल परीक्षण आज पूर्वाह्न 11 बजे चांदीपुर स्थित एकीकृत परीक्षण केंद्र से किया गया।' बयान में कहा गया, 'आज के परीक्षण का मिशन उद्देश्य कम दूरी पर मारक प्रभाव, आयुध कार्यप्रणाली, प्रक्षेपण वेग को परखने का था...दोनों मिसाइल 20 किलोमीटर की दूरी पर लक्ष्य को ध्वस्त करने के लिए दागी गईं और



● पिनाक डीआरडीओ द्वारा विकसित बहु-रॉकेट प्रक्षेपण प्रणाली है

● 44 सेकेंड में करीब 12 रॉकेट दाग सकती है

उच्च अचूकता प्राप्त कर ली गई।' पिनाक डीआरडीओ द्वारा विकसित बहु-रॉकेट प्रक्षेपण प्रणाली है। यह 44 सेकेंड में करीब 12 रॉकेट दाग सकती है।

डीआरडीओ के अनुसार दागी गई मिसाइलों पर टेलीमेट्री, रडार और इलेक्ट्रो-ऑप्टिकल टैकिंग सिस्टम से नजर रखी गई जिसमें परीक्षण की सफलता की पुष्टि हुई।

Army scouts for night vision devices for LMGs

VIJAY MOHAN
TRIBUNE NEWS SERVICE

CHANDIGARH, DECEMBER 22

Even as the Army prepares to replace its INSAS standard issue rifle with a contemporary weapon, it has woken up to the requirement of advanced night vision devices for the rifle's light machine gun (LMG) variant that has been in service for close to two decades.

Advanced night-vision device (ANVD) is an opto-electronic device that allows high resolution images of the area in the user's field of view to be produced in conditions of very low light or total darkness.

"At present, the night firing capability of soldier with an

Advanced night-vision device is an opto-electronic device that allows high resolution images of the area in the user's field of view to be produced in conditions of very low light or total darkness

INSAS LMG without an ANVD is highly inaccurate. The incorporation of ANVD will enable a soldier to acquire targets during night for all types of operations and thereby improving his combat efficiency," a request for information (RFI) floated by the army this month states. "Also the ANVD will enable to identify and detect a target in adverse weather conditions, which is a limitation in absence of ANVD," the RFI adds.

The Army's requirement is that the device should be able to detect a human at a distance of at least 500 m and a vehicle at 1,200 m and should enable the user to identify them at a distance of 350 m. It should also have the feature to record and store images as well as videos.

The INSAS, an acronym for the DRDO designed Indian Small Arms System, comprises a rifle and an LMG, both having the same 5.56 mm calibre. The LMG

is a light support weapon that features a longer and heavier barrel along with a bipod. The LMG also has a longer range of 700 m as compared to 400 m for the rifle. While the LMG has a 30-round box magazine, it can also use the rifle's 20-round magazine.

The Army wants to replace the INSAS with a 7.62 mm weapon that has longer ranger and higher kill probability. After a long drawn process, the Russian AK-103 assault rifle was selected. Some units deployed in forward areas and counter-terrorist operations in Jammu and Kashmir have also started getting the new SIG 716 rifle.

तकनीक युद्ध का तरीका पैदा कर रहा नई चुनौती

नई दिल्ली, आइएनएस : भारतीय सेना के लिए युद्ध का बदलता स्वरूप बड़ी चिंता बनकर उभरा है। परंपरागत युद्ध की जगह अदृश्य रूप में लड़े जाने वाले तकनीक युद्ध का बढ़ता दायरा नई चुनौतियां पैदा कर रहा है। सेना प्रमुख जनरल बिपिन रावत ने कहा है कि तकनीक में तेजी हो रहे बदलाव से युद्ध के तरीके भी बदल रहे हैं। अब जल, थल, नभ से परे भी युद्ध का मैदान सजाया जा रहा है। डिजिटल वार खुद में हर देश के लिए बड़ी चुनौती है। आर्टिफीशियल इंटेलीजेंस इस चुनौती को और बढ़ा रहा है। सेना प्रमुख ने यह बात शनिवार को आर्मी टेक्नोलॉजी सेमिनार में कही।

जनरल रावत ने कहा, गैर परंपरागत युद्ध भारत के लिए बड़ी चुनौती है। इसके लिए देश भी तैयारी में जुट गया है। कार्यक्रम में मनोनीत सेना प्रमुख लेफ्टिनेंट जनरल मनोज मुकुंद

सैन्य नेतृत्व ने गैर परंपरागत युद्ध के बढ़ते दायरे पर जताई चिंता, जनरल रावत बोले, भारत भी तैयारियों में जुट गया है

नरवाने ने सेनाओं के आमने-सामने हुए बगैर लड़े जाने वाले युद्ध के बारे में बताया। कहा कि दुनिया की महाशक्तियां इसके लिए व्यापक तैयारियों में जुटी हुई हैं। गैर परंपरागत तरीके से युद्ध में किसी भी सेना को उसी की धरती पर हराया जा सकेगा। परंपरागत रूप से हमला कर दूसरे की धरती पर जाने की जरूरत नहीं होगी।

जनरल रावत के अवकाश ग्रहण करने के बाद नरवाने 31 दिसंबर को देश के थलसेना प्रमुख बन जाएंगे। सेमिनार में सेना की विभिन्न शाखाओं के अधिकारी, नीति नियंता, शिक्षा एवं शोध से जुड़ी हस्तियां और उद्योगों से जुड़े लोग उपस्थित थे।

Army Chief concerned about non-contact warfare challenges

NEW DELHI, DECEMBER 21

Army Chief General Bipin Rawat will hold deliberations on Monday over how technology was rapidly changing the character of war fighting across the globe and challenges before the Indian forces in non-contact warfare.

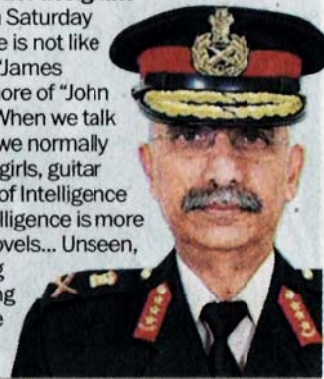
During the deliberation, Indian Army Chief-designate Lt Gen Manoj Mukund Naravane will focus on contactless wars and how major powers have increased the non-conventional components as part of their force restructuring.

Rawat will retire on December 31 and the government has announced Lt Gen Naravane his successor.

Concerned about non-contact warfare challenges before India, Rawat had stat-

'REAL SPY WORLD NOT LIKE BOND, GIRLS, GUNS'

Pune: Underlining the importance of intel in successful military operations, Army Chief-designate Lt Gen Manoj Naravane on Saturday said the world of intelligence is not like the glamorous portrayal of "James Bond, guns and girls" but more of "John Le Carr's 'Smiley' novels". "When we talk or think about intelligence, we normally think of James Bond, guns, girls, guitar and glamour, but the world of Intelligence is not that. The world of intelligence is more of John Le Carr's Smiley novels... Unseen, unheard, unknown, working behind the scenes, analysing volumes of information," the Lt General said. PTI



ed: "It is a serious issue. We are preparing for non-contact warfare." The discussion, slated to take place during Army Technology Seminar at Manekshaw Centre, will be attended by stakeholders —

military operations practitioners, policy makers, industry and academia.

The focus areas would also be on harvesting indigenous capabilities in the defence sector and uses of technolo-

gies for non-contact warfare and emerging challenges from other actors.

"The innovators in uniform will showcase their products and offer these to industry to refine and productionise," said a senior Army officer.

In non-contact warfare, the victory of any country would be on defeating the opponent's armed forces in his own territory, destroying of the enemy's economic potential and subverting adversary's political system.

"For that the country needs to technologically upgrade their command, control, communications, computer, intelligence, surveillance, and reconnaissance mechanism," the officer said, adding the meet would chart the future course of action in non-contact warfare. — IANS

TO BEAT PAK IN NARRATIVE WARFARE

Armed forces need unified PR command: Cyber Security chief

PNS ■ NEW DELHI

India's cyber security chief on Saturday said the separate public relations wings of the three Armed forces are "going in different ways" and made a strong pitch for a unified PR command for the three services. Pakistan is ahead of India in this aspect as its Director General Inter Services Public Relations (DGISPR) serves as the spokesperson for the Pakistan Armed Forces.

National Cyber Security

Coordinator Lieutenant General Rajesh Pant (retd) said the unified PR command was needed to ensure an upper hand in the narrative warfare with Pakistan, which, he opined, has "got its act together" through its Director General Inter Services Public Relations (DG-ISPR).

"When are we going to have our own equivalent of the DGISPR because the (Indian armed forces) services have their own PRs and they are going in different ways? Somebody at the national level

now has to look at the narrative warfare and how to implement it in various domains," he said.

Talking about the Director General Inter Services Public Relations (DGISPR), which serves as the spokesperson for the Pakistan Armed Forces, Pant said the neighbouring country got its act together in narrative warfare through the agency.

"What we are finding from the other side — from the western border — that since the time they have created the

DGISPR, they have got their act together," he said here at a seminar.

According to official Twitter handle @OfficialDGISPR, Major General Asif Ghafoor is serving the post since December 2016.

Lt Gen (Retd) Rajesh Pant added, "When they (DGISPR) conduct a narrative warfare, let's say in the case of Kashmir, the message they send to Europe is that human rights are being infringed."

While when they engage

with Islamic nations they tell them that Islam is under threat, noted Pant, adding, "What they told the southeast Asia is that there is a regional instability," said Pant adding "So, they seem to have got their act together."

It is important to clarify what the three services of Indian armed forces imply and mean by 'information warfare', he said. "They should come out with the definition because now they are using the terms - as you are aware - like 'narrative warfare'," he said.

IAF to play critical role in security domain: Chief

PRESS TRUST OF INDIA

Hyderabad, 21 December

Asserting that the Indian Airforce will continue to play a critical role in the security domain, IAF Chief R K S Bhadauria said on Saturday the present decade is likely to witness significant changes in the nature and methodologies of warfare.

Since inception, the IAF has always undertaken challenging roles, he said.

“The present decade is likely to witness significant changes in nature and methodologies of warfare, particularly in the sub-conventional domain,” Bhadauria said.

“The Indian Air Force will continue to play a critical role in the security domain and you will be part of the core set of people who will be called upon to deliver,” he said at the Combined Graduation Parade held at Air Force Academy, Dundigal. He expressed confidence that the Flight Cadets, who successfully completed training, would meet all challenges head on in the endeavor and accomplish every task to perfection.

“While we prepare to fight the enemy across the entire spectrum of warfare, we must also proactively assist the nation in humanitarian assistance and disaster relief operations and any other support role that emerges,” he added.

He exhorted the newly-commissioned officers to be professionally competent, confident and fearless in order to deliver as future leaders of the Air Force.

India, China to seek fair border solution

Doval holds talks with Minister Wang

KALLOL BHATTACHERJEE
NEW DELHI

India and China will intensify the quest for the settlement of the boundary question.

A statement from the Ministry of External Affairs (MEA) issued after the 22nd round of the Sino-India boundary talks, held here on Saturday under the framework of 'Special Representatives' dialogue, said the officials resolved to respect each other's sensitivities for the sake of better ties. "The Special Representatives resolved to intensify their efforts to achieve a fair, reasonable and mutually acceptable solution to the India-China boundary question in accordance with the directives provided by Prime Minister Narendra Modi and President Xi Jinping," the statement said.

It said both sides agreed that it was important to maintain peace and tranquillity in the border areas for the "overall bilateral relationship".

A statement issued by the Chinese embassy on the talks said the two countries are planning 70 events to celebrate the 70th anniversary of diplomatic ties next year. The statement added that the two sides would "actively advance boundary negotiations in line with the Agreement on the Political Parameters and Guiding Principles for the



Ajit Doval and Chinese team agreed to intensify efforts to resolve the border issue.

Settlement of the India-China Boundary Question".

The 22nd round was led by National Security Adviser Ajit Doval and Chinese State Councillor and Minister of Foreign Affairs Wang Yi.

The MEA statement said the officials underlined the importance of approaching the question from the "strategic perspective of India-China relations". The Indian and Chinese leaders last met at the Mamallapuram informal summit in October.

Saturday's border-related meeting was specially significant as China has been critical of India's August 5 decision to end the special status of Jammu and Kashmir and bifurcation of the region into two Union Territories of Jammu and Kashmir, and Ladakh. India had retorted by reiterating Delhi's claims over the Pakistan Occupied Kashmir by urging China to stop its activities in that region.

Pentagon to Stockpile Rare Earth Magnets for Missiles and Fighter Jets

Ernest Scheyder

The US military plans to stockpile rare earth magnets used in Javelin missiles and F-35 fighter jets, according to a government document seen by Reuters, a step that critics say does little to help create a domestic industry to build specialised magnets now made almost exclusively in Asia.

The Pentagon is seeking proposals to cache a rotating six-month supply of neodymium iron boron (NdFeB) magnets, a type of rare earth magnet essential to weapons manufacturing, according to the document, detailing the latest attempt to weaken China's control over the rare earths sector.

Beijing has been using that prowess for leverage in its trade war with Washington.

The request effectively seeks someone to warehouse a six-month supply of the specialised magnets and maintain it for at least 30 months. It does not offer financial support for NdFeB magnet manufacturing, which industry analysts and executives say is a short-sighted misstep by the Pentagon.

"This is definitely a curve ball," said Peter Afiuny of Urban Mining, a privately held company building a rare earth magnet facility near Austin, Texas. "We expected the call would be strategically aimed at actually doing something to spur



Jars containing rare earth minerals produced by Australia's Lynas from its Mount Weld operations

domestic production capacity." China and Japan are the world's largest NdFeB magnet producers.

None of the specialised magnets are made in the US, though a US Naval Research Laboratory scientist invented them in the early 1980s.

Reuters reported last week that the Pentagon is funding construction of rare earths processing facilities. But after rare earths are processed, they must be turned into magnets, otherwise they are of little value to electronics and weapons manufacturers.

President Donald Trump this year ordered the military to update its supply chain for the niche materials, warning that reliance on other nations could hamper US defences.

Responses to this latest Pentagon request are due by January 22, 2020, according to the document.

The Pentagon plans to spend \$10 million on the programme, with recipients funding another \$10 million in total. Each recipient will receive a maximum of \$3 million, according to the document.

It was not immediately clear why the Pentagon only wants an available supply for 30 months nor was it clear the volume or grade of magnet being sought or the timeline of when winners could be picked.

"Our government usually moves slowly unless there's a severe crisis, at which time extraordinary action is needed to mitigate the problem," said Steve Constantinides, a US-based rare earths industry consultant. **Reuters**

'Raising of retirement age to benefit 4 lakh army personnel'

A study is currently under way to identify the disciplines where the service tenure can be extended

DINAKAR PERI

NEW DELHI

The Army's attempt to increase the retirement age of jawans in specialised disciplines progressively to between 55-58 years is likely to benefit 30-40% of the force, or about four lakh personnel, who would get to continue in the service longer, army officials said. A study is currently under way to identify various disciplines where the retirement age

can be enhanced.

"We are loosing skilled manpower," said an army official, speaking on condition of anonymity.

"We have identified specialists in various disciplines and looking if we can increase their [retirement] age progressively to 50, 54 and eventually 58," the official added. Such specialists include medical assistants, radiologists and technicians in the electronics and mechani-

cal engineering corps posted at Corps Headquarters and base workshops among others. "Our estimate is this will benefit 30-40% of the personnel in the 1.2 million strong army," the official stated

The study, which was initiated earlier this year and is being carried out by the Adjutant General, was to have been submitted to the government a couple of months back. However, it

was later extended.

"It was sent to the Commands for comments but the initial feedback was not encouraging," the official said, explaining the delay.

For instance, the Army Medical Corps (AMC) recommended only three trades for enhancement. So, Army Headquarters had asked for another assessment and the revised comments "are expected in a month."

A majority of jawans start

retiring at about 40-42 years of age. While this has been set due to the rigours of military service, there has been huge technological advancement over the decades and not all personnel go through the same stress or serve in extreme situations, officials said.

"The effort is to identify specialised disciplines by category and service and enhance the age of retirement," the official added.