

# समाचार पत्रों से चयित अंश Newspapers Clippings

दैनिक सामयिक अभिज्ञता सेवा  
A Daily Current Awareness Service

Vol. 45 No. 09 11-13 January 2020



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## Naval version of Tejas LCA lands on INS Vikramaditya for first time

*The carrier which is currently deployed in the Arabian Sea has the naval version of the MiG 29 on board. The carrier has a capacity for 30 aircraft*

*By Rahul Singh*

New Delhi: A prototype of the naval version of the light combat aircraft landed and took off from the country's sole aircraft carrier INS Vikramaditya on Saturday in a significant step towards India developing its own deck-based fighters, two senior officials said.

The carrier which is currently deployed in the Arabian Sea has the naval version of the MiG 29 on board. The carrier has a capacity for 30 aircraft.

Last September, the naval version of the LCA successfully executed its first-ever arrested landing at a shore-based test facility in Goa.

It is the naval version of the locally built Tejas fighter aircraft that the Indian Air Force is inducting.

“With this feat, the indigenously developed niche technologies specific to deck-based fighter operations have been proven, which will now pave the way to develop and manufacture the Twin Engine Deck Based Fighter for the #IndianNavy,” the Indian Navy tweeted.

India has a requirement for 57 deck based fighters for its carrier operations.

“After completing extensive trials on the Shore Based Test Facility, DRDO, ADA developed LCA Navy did an arrested landing on INS Vikramaditya successfully today 11 jan 2020 at 10:02 hours. Commodore Jaideep Maolankar did the maiden landing,” the Defence Research and Development Organisation (DRDO) tweeted.

Defence minister Rajnath Singh congratulated the DRDO and the Indian Navy after Saturday's successful test.

“Extremely happy to learn of the maiden landing of DRDO developed LCA Navy on INS Vikramaditya. This successful landing is a great event in the history of Indian Fighter aircraft development programme. Congratulations to Team @DRDO\_India & @indiannavy for this achievement,” Singh tweeted.

<https://www.hindustantimes.com/india-news/naval-version-of-tejas-lca-lands-on-ins-vikramaditya-for-first-time/story-TaH3Sl23N3ZOesxRirXjIL.html>



## **Fighter jet's Naval variant makes historic landing**

New Delhi: In a significant development for naval aviation, the naval variant of the light combat aircraft (LCA) made a maiden successful landing on the deck of sea-borne aircraft carrier INS Vikramaditya today morning. The landing paves the way for further development of the twin-engined deck-based fighter jet.

The Navy tweeted that the landing occurred around 10 am as the carrier was sailing in the Arabian sea as part of the exercise. Commodore Jaideep Maolankar did the maiden landing.

Jet landing on deck is considered one of the toughest actions in aviation. The landing space is less than 200 metre and the jet coming in to land has to be restrained using a set of three arrester wires. The Navy in its parlance calls it 'arrested landing'. Commodore Maolankar is learnt to hit the deck at 230 km per hour and the wires then restrained his jet.

The landing gear of a naval jet is different from that used by the IAF. It has to be strong enough to be held back by arrester wires.

The plane was carrying a full load of fuel so as to allow the pilot to land back at naval air station in Goa in case the landing on deck was to be aborted.

A twin-seat LCA is expected to make a landing tomorrow.

The plane, being developed by Hindustan Aeronautics Limited (HAL), was tested for arrested landing at the Navy shore-based test facility which is built to mimic the deck of an aircraft carrier.

HAL spokesperson Gopal Suttar said HAL contributed the landing gear, arrester hook and support staff controlling at Goa along with Indian Navy.

<https://www.tribuneindia.com/news/fighter-jet%E2%80%99s-naval-variant-makes-historic-landing-24857>

## विमानवाहक पोत पर तेजस की नई उड़ान

जागरण ब्यूरो, नई दिल्ली: देश में ही बने हल्के लड़ाकू विमान तेजस ने नौसेना के विमानवाहक पोत आइएनएस विक्रमादित्य पर सफल लैंडिंग कर भारतीय नौसेना की एक और ऐतिहासिक उपलब्धि की दिशा में अहम कदम बढ़ा दिया है। इसके साथ ही तेजस नौसेना के विमानवाहक पोत पर उतरने वाला पहला स्वदेशी लड़ाकू विमान बन गया है। नौसेना के हवाई बेड़े के साथ उसकी युद्धक क्षमता में इजाफे के लिहाज से तेजस की यह कामयाबी बेहद महत्वपूर्ण है।

नौसेना और रक्षा अनुसंधान एवं विकास संगठन (डीआरडीओ) ने इस कामयाबी का ऐलान करते हुए कहा कि शनिवार सुबह 10 बजकर दो मिनट पर तेजस की सफल लैंडिंग हुई। नौसेना के लिए खास तौर पर बनाए गए तेजस को विमानवाहक पोत आइएनएस विक्रमादित्य पर पहली बार लैंडिंग कोमोडोर जयदीप मावलंकर ने करवाई।

डीआरडीओ की मदद से बने तेजस को एयरक्राफ्ट अरेस्टर वायर की मदद से विक्रमादित्य पर उतारा गया। तेजस की सफल लैंडिंग के बाद अमेरिका, फ्रांस, ब्रिटेन, रूस और चीन के बाद भारत विमानवाहक पोत पर स्वदेश निर्मित लड़ाकू विमान की अरेस्टेड लैंडिंग कराने वाला छठा देश बन गया है। विक्रमादित्य पर तेजस ने जब कामयाब लैंडिंग की तो उस समय यह पोत अरब सागर में तैनात था।

रक्षा मंत्री ने दी बधाई : रक्षामंत्री राजनाथ सिंह ने इस कामयाबी पर नौसेना को बधाई देते हुए कहा कि स्वदेश निर्मित तेजस की आइएनएस विक्रमादित्य

### कामयाबी



विमानवाहक पोत आइएनएस विक्रमादित्य पर लैंडिंग करता देश में बना हल्का लड़ाकू विमान तेजस • प्रेट

- युद्धपोत पर स्वदेशी लड़ाकू विमान की अरेस्टेड लैंडिंग कराने वाला छठा देश बना भारत
- आइएनएस विक्रमादित्य पर लैंडिंग करने वाला पहला स्वदेशी लड़ाकू विमान बना तेजस

### कैसे होती है अरेस्टेड लैंडिंग

रनवे की लंबाई निश्चित होती है। ऐसे में लड़ाकू विमान को अरेस्टेड लैंडिंग करना होती है। इसके लिए विमानों के पीछे के हिस्से में स्टील वायर से जोड़कर एक हुक लगाया जाता है। लैंडिंग के दौरान पायलट को यह हुक विमानवाहक पोत में लगे स्टील के मजबूत केबल्स में फँसाना होता है। जैसे ही प्लेन डेक पर उतरता है, हुक तारों में पकड़कर उसे थोड़ी दूरी पर रोक लेता है।

पर पहली लैंडिंग बेहद खुशी की बात है। यह सफल लैंडिंग भारतीय लड़ाकू विमान विकास कार्यक्रम के इतिहास में एक बेहतरीन लम्हा है। इस सफल परीक्षण के बाद अब नौसेना के लिए ट्विन इंजन वाले फाइटर विमान के देश में ही निर्माण को बढ़ावा मिलेगा।



## तेजस की आईएनएस विक्रमादित्य से सफल 'स्की-जंप' उड़ान

नई दिल्ली, (भाषा) : देश में निर्मित हलके लड़ाकू विमान तेजस के नौसैनिक संस्करण ने रविवार को विमानवाहक पोत आईएनएस विक्रमादित्य के 'स्की-जंप' डेक से सफलतापूर्वक उड़ान भरी। यह इस विमान के विकास की दिशा में बड़ी उपलब्धि है। स्की-जंप विमानवाहक पोत के डेक पर हलका घुमावदार अग्र छोर होता है जो लड़ाकू विमानों को उड़ान भरने के लिये पर्याप्त प्रक्षेप प्रदान करता है। नौसेना के एक प्रवक्ता ने कहा, "तेजस के नौसैनिक संस्करण ने आईएनएस विक्रमादित्य से सफलतापूर्वक पहला स्की-जंप टेकऑफ़ कर आज एक और मील का पत्थर हासिल किया।" विमान ने शनिवार को आईएनएस विक्रमादित्य पर पहली बार लैंडिंग की थी, वह भी एक अहम कदम था।

विमानवाहक पोत पर विमान की सफल लैंडिंग और टेकऑफ़से भारत उन चुनिंदा देशों के समूह में शामिल हो गया है जो ऐसे लड़ाकू विमानों की डिजाइन में सक्षम हैं जिनका संचालन विमानवाही पोत से किया जा

### ● विमानवाहक पोत पर विमान की सफल लैंडिंग और टेकऑफ़ भारत की बड़ी सफलता

सकता है। तेजस के नौसैनिक संस्करण का विकास, रक्षा अनुसंधान एवं विकास संगठन द्वारा एयरोनॉटिकल डेवलपमेंट एजेंसी, हिंदुस्तान एयरोनॉटिक्स लिमिटेड के एयरक्राफ्ट रिसर्च एंड डिजाइन सेंटर, सेंटर फॉर मिलिट्री एयरवर्दीनेस एंड सर्टीफिकेशन और सीएसआईआर समेत कई दूसरी एजेंसियों के साथ मिलकर किया गया है।



## HAL needs new orders to keep production going after 2021-22

*Hindustan Aeronautics Limited (HAL) is betting on the Indian Air Force (IAF) to place a multi-billion dollar order for an advanced version of the indigenously produced Light Combat Aircraft (LCA), Tejas, before the financial year ends, said an official*

*By Rahul Singh*

New Delhi: State-run aircraft maker Hindustan Aeronautics Limited (HAL) needs fresh orders for fighter jets, trainers and helicopters fast to prevent a complete halt of production at its facilities, two senior government officials said, asking not to be named.

HAL's order books are empty beyond 2021-22 and new orders from the armed forces are critical for continuity in production, the government has told Parliament's standing committee on defence.

The company is betting on the Indian Air Force (IAF) to place a multi-billion dollar order for an advanced version of the indigenously produced Light Combat Aircraft (LCA), Tejas, before the financial year ends, said one of the two officials cited above. The air force plans to buy 83 LCA Mk-1A jets, taking the total number of Tejas variants ordered to 123.

Another order that HAL is eyeing is the supply of 70 locally produced basic trainers to the IAF. If it gets the order for the Hindustan Turbo Trainer-40 (HTT-40), HAL could begin production of the trainers by early 2021, the second official said.

As part of its existing orders, HAL has to supply 24 LCA jets and a few Sukhoi-30s to the IAF.

"HAL's production over last several years has been growing with highest turnover of ~19,705 crore recorded in the financial year 2018-19. However, the major part of existing orders for supply of aircraft and helicopters will be liquidated shortly with the major manufacturing order of Su-30MKI being completed in 2019-20," the defence ministry told the standing committee on defence last month.

The ministry stressed that production would be hit for want of new orders. "Considering production/procurement lead time of 18 to 24 months involved in the manufacture of aircraft/helicopters, the existing facilities at HAL face the threat of idling and production will show a declining trend for want of confirmed orders."

In a report tabled in Parliament last month, the committee said "all-out steps" should be taken to ensure that the "order book position" of defence public sector units improves in the coming years and the ministry should extend full cooperation to achieve that.

"As the production in the DPSUs [defence public sector units] is majorly contingent upon the operational needs of the armed forces, the committee recommends that timely intimation and placement of orders by the services, along with necessary financial support from the defence ministry wherever necessitated, must be provided to the DPSUs to arrest the decline in their production," the panel said in its report.

HAL is the only plane maker in the country and it is in everyone's interest that it stays in good health, said Air Vice Marshal Manmohan Bahadur (retd), additional director general, Centre for Air Power Studies.

"The ball is still in HAL's court. A prototype of the Tejas Mk-1A is yet to fly. Only then can the IAF place an order," Bahadur said.

The 40 LCAs already ordered by the IAF, of which 16 have been delivered, are in the initial operational clearance (IOC) and the more advanced final operational clearance (FOC) configurations.

The LCA Mk-1A will come with additional improvements over the FOC aircraft, making it the most advanced Tejas variant so far.

The Mk-1A variant is expected to come with digital radar warning receivers, external self-protection jammer pods, active electronically scanned array radar, advanced beyond-visual-range missiles and significantly improved maintainability.

<https://www.hindustantimes.com/india-news/hal-needs-new-orders-to-keep-production-going-after-2021-22/story-4TUA9hvTQ0sm7ZoLz0LBgO.html>



Mon, 13 Jan 2020

## IAF to receive 200 more fighter jets

Kolkata: The government is in the process of acquiring around 200 aircraft to cope with the depleting aerial inventories of the Indian Air Force, Defence Secretary Ajay Kumar said here today.

The contract for HAL-manufactured 83 LCA Tejas Mark 1 A advanced fighter jets are in the final stages, he said.

Apart from these, Expression of Interest (EOI) has been floated for another 110 aircraft, based on which Request for Proposal (RFP) will be floated, Kumar said.

“Roughly (for) 200 aircraft, the acquisition is in process,” he said. “We are in the process of finalising the contract for 83 Light Combat Aircraft (LCA) Mark 1 A, which are advanced fighters to meet the urgent needs of India,” the Defence Secretary told reporters on the sidelines of commissioning Indian Coast Guard vessels here.

Kumar said the contract for the LCAs will be signed “definitely this year”.

“We want to do it as soon as possible,” the Defence Secretary said when asked whether a time frame has been finalised by which the new aircraft are to be acquired.

Kumar said with the design having been finalised, state-run aerospace behemoth Hindustan Aeronautics Limited (HAL) will be ramping up production of the LCA Mark 1 A jets from 8 to 16 per year. — PTI

### HAL to ramp up production

- The contract for HAL-manufactured 83 LCA Tejas Mark 1 A advanced fighter jets is in the final stages
- Apart from these, expression of interest has been floated for another 110 aircraft, based on which request for proposal will be floated
- With the design having been finalised, Hindustan Aeronautics Limited will ramp up production of the LCA Mark 1 A jets from 8 to 16 per year

<https://www.tribuneindia.com/news/iaf-to-receive-200-more-fighter-jets-25365>

## रिटायर हो रहे लड़ाकू विमानों की कमी पूरी करने के लिए 200 फाइटर जेट खरीदेगी सरकार

कुल 200 लड़ाकू विमानों की खरीद के लिए प्रक्रिया चल रही है। रक्षा सचिव ने कहा कि हम 83 तेजस लड़ाकू विमानों के कॉन्ट्रैक्ट को जल्द ही फाइनल कर देंगे। इससे भारत को अपनी हवाई सुरक्षा के लिए तत्काल जरूरी लड़ाकू विमान मिल सकेंगे।

### हाइलाइट्स

- एयरफोर्स में कम होते लड़ाकू विमानों को देखते हुए सरकार 200 फाइटर जेट्स खरीदने वाली है
- हिंदुस्तान एरोनॉटिकल्स लिमिटेड की ओर से तैयार किए जा रहे 83 तेजस लड़ाकू विमानों का कॉन्ट्रैक्ट आखिरी राउंड में है
- मौजूदा वक्त में एयरफोर्स के बेड़े में मिराज 2000, सुखोई 30 MKI और मिग-29 जैसे लड़ाकू विमान हैं

**कोलकाता:** एयरफोर्स में कम होते लड़ाकू विमानों को देखते हुए सरकार 200 [फाइटर जेट्स](#) खरीदने वाली है। रक्षा सचिव अजय कुमार ने रविवार को कहा कि एयरफोर्स में लगातार कम होते फाइटर जेट्स की समस्या से निपटने के लिए यह कदम उठाया गया है। उन्होंने कहा कि हिंदुस्तान एरोनॉटिकल्स लिमिटेड की ओर से तैयार किए जा रहे 83 तेजस लड़ाकू विमानों का कॉन्ट्रैक्ट आखिरी राउंड में है।

रक्षा सचिव अजय कुमार ने कहा कि इन 83 लड़ाकू विमानों के अलावा 110 अन्य के लिए प्रस्ताव मांगे गए हैं। उन्होंने कहा कि इस तरह से कुल 200 लड़ाकू विमानों की खरीद के लिए प्रक्रिया चल रही है। रक्षा सचिव ने कहा कि हम 83 तेजस लड़ाकू विमानों के कॉन्ट्रैक्ट को जल्द ही फाइनल कर देंगे। इससे भारत को अपनी हवाई सुरक्षा के लिए तत्काल जरूरी लड़ाकू विमान मिल सकेंगे।

### एयरफोर्स के बेड़े में अभी मिराज, सुखोई और मिग-29

तेजस फाइटर जेट्स को एयरफोर्स में शामिल किए जाने की समयसीमा पूछे जाने पर उन्होंने कहा कि हम इस प्रक्रिया को जल्द से जल्द पूरा करना चाहते हैं। इसके साथ ही उन्होंने आउटसोर्सिंग की भी बात कही। बता दें कि मौजूदा वक्त में एयरफोर्स के बेड़े में मिराज 2000, सुखोई 30 MKI और मिग-29 जैसे लड़ाकू विमान हैं। इसके अलावा जगुआर और मिग 21 बाइसन भी हैं, जो काफी पुराने हो गए हैं।

### मिग-27 ने भरी आखिरी उड़ान, करगिल में दिया था योगदान

गौरतलब है कि हाल ही में जोधपुर एयरबेस पर करीब 4 दशकों तक सेवा देने के बाद मिग-27 फाइटर जेट्स ने आखिरी उड़ान भरी थी। इन विमानों ने करगिल युद्ध के दौरान अहम भूमिका अदा की थी और पाकिस्तान के ठिकानों पर चुन-चुनकर बम बरसाते हुए उसके खतरनाक मंसूबों को नेस्तनाबूद किया था।

<https://navbharattimes.indiatimes.com/india/india-to-acquire-200-fighter-jets-for-air-force-says-defence-secretary/articleshow/73215608.cms>



## Arjun Tank Hub comes up at Jaisalmer military station

For providing speedy and focused repair to vital assemblies of the indigenous Arjun main battle tank (MBT), Arjun Hub was inaugurated on Thursday at Jaisalmer Military Station by lieutenant general V S Sreenivas, General Officer Commanding Konark Corps.

Army official sources said, “Arjun Hub at Jaisalmer Military Station was inaugurated on Thursday. There are regiments of Arjun Tank already in Jaisalmer.

This initiative marks a significant step towards Indian Army’s effort to develop an all-encompassing and inclusive ecosystem to provide impetus to public-private partnerships towards enhancing operational availability of Arjun main battle tank.”

Battle Axe Division GOC Major General Rakesh Kapoor, DRDO scientists and many senior Army officers were present on the occasion.

<https://www.defencenews.in/article/Arjun-Tank-Hub-comes-up-at-Jaisalmer-Military-Station-808805>



## DRDO laboratory makes lighter bullet-proof army jackets

*There was need for a bullet-proof jacket which was skin-friendly and was made of a lighter material, and now they are ready, said DMSRDE officials*

*By Pearl Maria D’Souza*

Bangalore: Following more than 50 trials and four decades after commencing research on bullet-proof jackets, the Defence Materials and Stores R&D Establishment (DMSRDE) laboratory in Kanpur has come up with one which is 10kg lighter than before, and is on display at the Pride of India Exhibition of the 107th Indian Science Congress at University in Agricultural Sciences (UAS) GKVK Campus.

There was need for a bullet-proof jacket which was skin-friendly and was made of a lighter material, and now they are ready, said DMSRDE officials. The bullet-proof jacket as per the General Staff Qualitative Requirement (GSQR) 1438 of the Indian Army was successfully developed and covers the vital body areas of the human body – like the



neck, heart, liver, stomach, spleen, intestines and groin, from the collar, throat, front, side, rear and groin – with armour panels.

It provides protection against 9 mm small machine carbine bullets, AK-47, and Self Loading Rifle ammunition, according to officials of the Defence Research & Development Organisation (DRDO), under which DMSRDE functions.

<https://www.newindianexpress.com/states/karnataka/2020/jan/04/laboratory-makes-lighter-bullet-proof-army-jackets-2084834.html>



Sat, 11 Jan 2020

## DMA to soon have a structure

*Both civilian, military personnel likely to work under new dept*

New Delhi: The newly created Department of Military Affairs, which is headed by Chief of Defence Staff (CDS) General Bipin Rawat, will soon have structure to run its affairs.

Since the CDS will also be Secretary of the Department of Military Affairs, it will have structure to include civilian bureaucracy also.

The plan is to have just two joint secretaries to begin with. Meaning cutting down decision-making process as the two would report to General Rawat. The two joint secretaries would be helped by a dozen deputy secretaries and more than 20 under secretaries.

A formal notification is expected soon and it will lay down the structures of reporting channels of the officers. The DMA can have both civilian and military personnel working under it.

Since the task of the DMA is laid down clearly, the idea is to keep a smaller unit that is more responsive.

President Ram Nath Kovind had on January 30 notified the new rules of business dividing responsibility between the newly created Department of Military Affairs, and laying down what all the Defence Secretary would be doing.

The department will look after the work of the Armed Forces of the Union — Army, Navy and Air Force. The Territorial Army and works relating to Army, Navy and Air Force, will be under the same department. He will also handle procurement exclusive to the services except capital acquisitions.

The CDS will promote jointness in procurement, training and staffing for the services through joint planning and integration of their requirements. He has been tasked with the facilitation of restructuring of military commands for optimal utilisation of resources by bringing about jointness in operations, including through establishment of joint/ theatre commands. He will also promote use of indigenous equipment by the Services.

### **Formal notification expected soon**

- The Department of Military Affairs (DMA) will have a structure to include civilian bureaucracy as well
- The Chief of Defence Staff will be the Secretary and the plan is to have just two joint secretaries to begin with
- The two joint secretaries will be helped by a dozen deputy secretaries and more than 20 under secretaries

<https://www.tribuneindia.com/news/dma-to-soon-have-a-structure-24608>

## Government appoints 2 joint secretaries, 13 deputies to assist CDS

*In the last few days, CDS General Bipin Rawat held series of meetings with important functionaries of the defence ministry and the three services exploring ways to bring in inter-service synergy and jointness in a time bound manner*

New Delhi: The newly-created department of military affairs, headed by the chief of defence staff (CDS), will be staffed with two joint secretaries, 13 deputy secretaries and 25 under secretaries, a government official said on condition of anonymity, adding that the officers would be a mix of civilians and uniformed personnel.

The new department, under CDS General Bipin Rawat, is an addition to the four existing verticals in the defence ministry: the departments of defence, defence production, defence research and development, and ex-service welfare. As CDS, Rawat is the principal military adviser to the defence minister on all matters related to the tri-services.

He took over as the country's first CDS on December 31.

In his first official directive after taking over as CDS, Rawat last week asked top officials of Headquarters Integrated Defence Staff to prepare a proposal to create an Air Defence command to enhance military synergy and optimally utilise the resources of the armed forces. Rawat has set a June 30 deadline for the proposal to be submitted.

In the last few days, he held series of meetings with important functionaries of the defence ministry and the three services exploring ways to bring in inter-service synergy and jointness in a time bound manner.

The government expects the CDS to bring about jointness among the three services within three years.

He is expected to prepare an annual report for the defence minister on achievements in improving jointness.

One of the key objectives behind so-called jointmanship is the setting up of joint or theatre commands for the best use of military resources to fight future battles. While the army and the navy have been open to the idea, the Indian Air Force has concerns about theaterisation.

The new department will also work towards promoting the use of indigenous equipment by the services at a time when the armed forces are heavily dependent on imported military hardware.

“The creation of the new posts is a step towards achieving the ultimate goal of bringing in tri-services synergy. The department needs to have officers who understand cross-service issues and are well versed in government procedures,” said Lieutenant General Satish Dua (retd), a leading expert on issues related to the tri-services.

<https://www.hindustantimes.com/india-news/government-appoints-2-joint-secretaries-13-deputies-to-assist-cds/story-4dLL2tXJR7LmsbrLOG9lzO.html>

## Armed forces owe allegiance to constitution, says Army Chief

New Delhi: With former Army Chief General Bipin Rawat being criticised for giving political statements, his successor General Manoj Naravane sought to put the records straight on Saturday saying the armed forces owe allegiance to the Constitution and its preamble. His comments came on the backdrop of growing perception of politicisation of the armed forces over the last few years.

Addressing his maiden news conference after assuming charge earlier this month, Naravane said the conduct of the 1.3 million-strong Army is guided by its "allegiance" to the Constitution and its core values of justice, liberty, equality and fraternity.

Elaborating upon his focus as the chief, Naravane said it will be 'ABC' - "allegiance, belief and consolidation," noting that protecting the core values of the Constitution will remain the driving force of his personnel.

"We swear allegiance to the Constitution of India. Be it officers or jawans, we have taken oath to protect the Constitution and that is what should guide us in all time and all our actions," the Army Chief said.

"What it translates into is also the core values which are enshrined in the Preamble to the Constitution which are justice, liberty, equality and fraternity. That is what we are fighting for," he said.

The Army is deployed on the border safeguarding the sovereignty and territorial integrity, "it is to secure for our people these core values. And, I think, that is what we and I would like to say that we need to keep in mind," he added.

The present Army Chief's observations come at a time when former chief Rawat was criticised for wading into political issues and not remaining neutral.

Last month, he triggered a row publicly criticising people leading protests over the new citizenship law, saying leadership is not about guiding masses to carry out arson and violence across the country.

He was slammed by opposition parties as well as veterans who stressed that the armed forces must follow the decades-old principle of serving the country and not any political force.

Meanwhile, Naravane also said his other focus areas would be 'ITPQ' which he explained as Integration, Training Personnel and Quality. He said integration of purposes within the Army and with the two other forces would be a key area for him.

In this regard, Naravane said the creation of Chief of Defence Staff (CDS) to achieve integration to fight a modern war is 'game changer' adding the Army will make sure that this is a success.

IAF chief RKS Bhaduria also backed the CDS and said in Chennai on Saturday the forces have started taking steps to build a new joint infrastructure & bring jointness. He also said the idea is to synergise and bring the cost down, and deliver bigger punch with the resources we have.

Meanwhile, the Army Chief said the focus of training will be on preparing the Army for future wars which he said will be network-centric and complex.

He said the personnel were the "greatest strength" in the Army, adding "quality and not quantity will be the mantra, be it the selection of personnel or equipment."

<https://www.dailypioneer.com/2020/india/armed-forces-owe-allegiance-to-constitution--says-army-chief.html>

## Ready to deal with challenges along China border: Army Chief

New Delhi: Army Chief Gen M M Naravane on Saturday termed the creation of the post of Chief of Defence Staff a "very big step" towards integration of the three forces and said the Army will ensure its success.

He also asserted that allegiance to Constitution should guide "us in all times". "Justice, liberty, equality and fraternity as enshrined in Constitution must guide us," he said.

Addressing a press conference, Gen Naravane said the focus of training will be on preparing the Army for future wars which will be network-centric and complex.

"We are prepared to deal with challenges along northern border," the Army chief said when asked about China enhancing military infrastructure.

"We are initiating rebalancing of preparedness along northern border, including moving advanced weapon systems," he said.

Asked about PoK, he said, "As far as Pakistan-occupied Kashmir is concerned, many years ago there was a parliamentary resolution on it that entire J&K is part of India. If Parliament wants that area should also belong to us, if we get orders to that effect, then definitely we will take action on it."

He said the focus will be on integration within the Army and among the three services.

"The formation of the CDS and the creation of a department of military affairs is a very big step towards integration. We on our part will make sure that this is a success," the Army Chief said.

"Integration will also be within the Army and the integrated battle group is just one example of that. But I also want to assure everyone that in this process of integration we will take everyone along. Nobody will be left behind," he said.

The Army chief's remarks come days after Gen Bipin Rawat took over as India's first Chief of Defence Staff with a mandate to bring in convergence in functioning of the Army, the Navy and the Indian Air Force and bolster the country's military prowess.

"Indian Army is a professional force, conducts itself in most professional, ethical manner in peace, on LoC and in combat," Naravane said.

<https://timesofindia.indiatimes.com/india/creation-of-chief-of-defence-staff-a-very-big-step-towards-integration-of-forces-army-chief/articleshow/73200525.cms>



## Coast Guard commissions 'Amrit Kaur', 'Annie Besant'

New Delhi: The Indian Coast Guard today commissioned two ships — Annie Besant and Amrit Kaur. These are the second and third in the series of five Fast Patrol Vessels for the force.

The ships were commissioned at Kolkata by Dr Ajay Kumar, Defence Secretary in the presence of Indian Coast Guard Director General Krishnaswamy Natarajan.

Indian Coast Guard Ship Amrit Kaur derives her name from Raj Kumari Amrit Kaur who belonged to the ruling family of Kapurthala, Punjab. She took an active part in Salt Satyagraha and Quit India Movement. She served the Independent India as first Health Minister. She worked towards uplift of the downtrodden and progress of women. She was the founder member of All India Women Conference and founder president of Indian Council for Child Welfare. The ship will be based at Haldia under the operational and administrative control of Commander, Coast Guard Region North-East.



Indian Coast Guard Ship Annie Besant has been named in honour of Annie Besant, a socialist. Annie Besant was a theosophist, women's rights activist, writer, orator and supporter of Indian freedom. She was also a philanthropist and a prolific author who had written over 300 books and pamphlets and contributed in foundation of Banaras Hindu University. In 1916, she established the Indian Home Rule League, of which she became president. The ship will be based at Chennai under the operational and administrative control of Commander, Coast Guard Region East.

The ships are 48.9-metre long and 7.5-metre wide with a displacement of 308 tonnes. They are capable of achieving maximum speed of 34 knots, powered with MTU 4000 series engines and propelled by three 71S type III Kamewa waterjet of Rolls Royce. The ships are built by Garden Reach Shipbuilders & Engineers (GRSE), Kolkata.

The ships are capable of undertaking multi-faceted tasks such as surveillance, interdiction, search & rescue and medical evacuation. The ships are also equipped with state-of-the-art technology, navigation and communication equipment, sensors and machinery. Equipped with Bofors 40/60 gun and 12.7 mm SRCG (Stabilised Remote Controlled Gun), the ships carry one RIB (Rigid Inflatable Boat) each for boarding and search and rescue operations.

### Capable of achieving speed up to 34 knots

- These ships are the second and third in the series of five Fast Patrol Vessels for the force
- The ships were commissioned at Kolkata by Dr Ajay Kumar, Defence Secretary in the presence of Indian Coast Guard Director General Krishnaswamy Natarajan
- The ships are 48.9-metre long and 7.5-metre wide with a displacement of 308 tonnes. They are capable of achieving maximum speed of 34 knots, powered with MTU 4000 series engines

<https://www.tribuneindia.com/news/coast-guard-commissions-%E2%80%98amrit-kaur%E2%80%99-%E2%80%98annie-besant%E2%80%99-25366>

## Bengaluru military police school begins training Army's first women recruits

*They will join military police with same roles and tasks as their male counterparts*

Bangaluru: The Indian Army has started training its first ever batch of women in any unit at its Corps of Military Police Centre and School in Bengaluru.

This is the first step towards inducting women in the Army's rank and file. A total of 1,700 women military police will be inducted over a period of 17 years, the Ministry of Defence said here on Friday. All military police are trained at the Bengaluru CMP school.

As many as 99 women started their 61-week course here on January 6 with basic military and advanced provost training. Thereafter, they will be recruited as military police with the same roles and tasks as their male counterparts, both on peace time and operational work.



“The women military police, besides being employed on mandatory operational and peace time duties, will be an asset for investigation of gender specific crimes,” it said.

Already the CMP Centre and School has established infrastructure suitable for accommodating women recruits based on inputs from the Officers' Training Academy, Chennai, Assam Rifles and National Cadet Corps and Officers' Training Academy, Gwalior.

The process of recruiting women into the Army began in April last year when it placed an advertisement inviting women candidates as military police. The Army plans to induct women in phases and will eventually have them as 20% of the total strength of the Corps of Military Police.

Some of the roles of military police are policing cantonments and Army establishments, maintaining soldier movements, logistics, traffic, law and order and other rules on their premises, besides extending support to civil police.

Indian Air Force and Indian Navy have many women pilots in key roles. But in the Army, women were employed in its medical, engineering, signals, legal and educational wings.

The then Army Chief, Gen Bipin Rawat, had said last year that the process of recruiting women in a combat role would be initiated with their roles as military police.

<https://www.thehindu.com/news/cities/bangalore/bengaluru-military-police-school-begins-training-armys-first-women-recruits/article30537075.ece>

# Big boost to Army units in west; six Apache attack choppers to be deployed on Pakistan border

*Indian Army units stationed at Pakistan border will get a big boost as six Apache attack choppers will be deployed at the border to help them*

## **Key Highlights**

- *Six Apache attack helicopters will be deployed at the Pakistan border to help Army personnel stationed there*
- *Earlier in the day, Army chief General Manoj Mukund Naravane asserted that Indian Army is ready to take back PoK*

New Delhi: Army Chief General Manoj Mukund Naravane on Saturday announced that six Army Apache attack helicopters would be deployed on the Pakistan borders to help the Indian security forces personnel stationed there. The Army chief further said that the choppers would be deployed at locations where there is a threat of armoured columns.

While speaking to media, General Naravane said, "Six Army Apache attack choppers would be given to an Army unit on the western borders from where there is a greater threat from armoured columns."

Explaining why the rebalancing of deployment of the forces and weapons is being carried out, the Army chief said that the Indian Army is more than ready to take back Pakistan-occupied Kashmir (PoK).

"If Parliament wants that area should be taken, we will definitely do so and action will be taken accordingly," added Army chief General Manoj Mukund Naravane.

Shifting focus to the border issues with China, General Naravane said that India's priority is to maintain peace and calm on the border. He, however, acknowledged that there are threats from both sides.

"We have to balance our requirement. On the northern border we are going in for capacity building, roads, habitats, storage for weapons by moving advanced weapons towards the eastern side," he said about the China border.

Talking about his recent visit to Siachen, the Army chief said, "As far as land borders are concerned this is where (Siachen) the two countries -- (China and Pakistan) are the closest. So the chance for collusion is the most. Here and in Shaksgam valley."

Earlier in October last year, the then Army chief and now Chief of Defence Staff Bipin Rawat had stressed that PoK is an Indian territory illegally occupied by Pakistan. "The territory is not controlled by the Pakistani establishment, it is controlled by terrorists. Pakistan administered Kashmir is actually a terrorist-controlled country or a terrorist-controlled part of Pakistan," Rawat had said.

<https://www.timesnownews.com/india/article/big-boost-to-army-units-in-west-six-apache-attack-choppers-to-be-deployed-on-pakistan-border/538785>

## **Army Commander, Chinese general discuss defence ties**

*Both sides agree to keep border peace*

Beijing: Northern Army Commander Lt Gen Ranbir Singh today concluded his four-day visit to China, including a rare trip to the volatile Xinjiang province bordering PoK, during which he discussed a host of issues including border area management, bilateral military ties and defence cooperation.

Lt Gen Singh, whose area of operations covered Jammu and Kashmir region including Ladakh and Aksai Chin over which China has claims, concluded his visit with a meeting at Xinjiang's provincial capital Urumqi with Lt Gen Liu Wanlong, Commander of China's Xinjiang Military Command which oversees China's borders along PoK.

The Indian Embassy said in a statement that both sides agreed to carry forward the directions of the leaders and maintain peace and tranquillity at the border areas.

He also visited China's 9th Engineer Regiment of the People's Liberation Army (PLA) based there on Thursday. Lt Gen Singh, who arrived in China on January 7, met top Chinese military officials specially that of PLA's Western Command which oversees the 3488-km long Line of Actual Control (LAC). China also claims Arunachal Pradesh as part of South Tibet.

On January 7, Gen Singh met the Commander of PLA Gen Han Weigao in Beijing. He was given a ceremonial welcome when he arrived at the PLA's Western Command headquarters in Chengdu on January 8, where he held talks with Gen Zhao Zongqi, the Commander of Western Theatre Command.

Lt Gen Singh and his delegation also visited a Special Operations Brigade at Chengdu where they witnessed a counter-terrorism drill, according to the statement. It stated that it was a part of the celebrations of the 70th anniversary of the establishment of diplomatic ties between the two countries.

The visit of the delegation is the first high-level military to military engagement in 2020 between India and China. It was rare for an Indian Army officer to visit the region. Xinjiang is the starting point for the USD 60 billion China-Pakistan Economic Corridor (CPEC). — PTI

### **Warship deployed amid China-Pak drill**

- India has deployed its aircraft carrier INS Vikramaditya in the Arabian Sea as China and Pakistan hold a 9-day naval exercise, a move seen as New Delhi sending a signal to its two neighbours
- Top officials of the Naval headquarters were on board the aircraft carrier when it was deployed in the strategic mission, military sources said

<https://www.tribuneindia.com/news/army-commander-chinese-general-discuss-defence-ties-24599>

# India deploys aircraft carrier INS Vikramaditya in Arabian Sea, even as China-Pakistan conduct major exercise

*By Rajat Pandit*

New Delhi: With Pakistan and China conducting a major joint naval exercise in the northern Arabian Sea, India too has deployed its aircraft carrier INS Vikramaditya on its western seaboard to send a clear strategic signal to its neighbours about its operational readiness and combat capability in the maritime domain.

Navy deputy Chief vice admiral M S Pawar personally reviewed the “intense air and sea operations” from on board the 44,400-tonne INS Vikramaditya, which operates the supersonic MiG-29K fighters from its deck, in the Arabian Sea. “Admiral Pawar expressed the confidence that INS Vikramaditya will live up to its name and remain victorious in battle always,” said an officer.

The Navy, of course, is keeping a close watch on the nine-day “Sea Guardians 2020” exercise between the Pakistani and Chinese warships and submarines, which kicked off on Monday to “further consolidate their all-weather strategic partnership”.

While the Pakistani Navy is not a worry for the Indian Navy, New Delhi remains concerned about Beijing’s expanding strategic footprint in the Indian Ocean Region. Navy chief Admiral Karambir Singh just last month had said that seven to eight Chinese warships are present in the IOR at any given time, while also confirming that Indian warships had driven away a Chinese oceanic research vessel indulging in suspicious activity near the strategically-located Andaman and Nicobar archipelago in September.

China, with an overseas military base at Djibouti in the Horn of Africa and turnaround facilities at Karachi, is fast increasing the size of its naval forces. It already has two aircraft carriers (two more are being built), 33 destroyers, 54 frigates, 42 corvettes, 50 diesel-electric and 10 nuclear submarines, among other warships. China is also helping Pakistan develop its deep-water Gwadar port in the region.

The Indian armed forces, on their part, have been maintaining high operational readiness ever since the IAF conducted the pre-dawn air strikes against the major Jaish-e-Mohammed training facility at Balakot in Pakistan in February last year.

Soon after the Balakot air strikes, Indian warships, submarines and aircraft had swiftly transited from the then ongoing “Tropex-2019” exercise, which included INS Vikramaditya and nuclear submarines INS Arihant and INS Chakra, to operational deployment in the north Arabian Sea to “box the Pak Navy close to the Makran coast”, said officials.

INS Vikramaditya, or the refurbished Admiral Gorshkov inducted in November 2013 under a \$2.33 billion deal with Russia, is India’s largest and most powerful ship. With the 45 MiG-29Ks ordered for another \$2 billion to operate from its deck, the carrier is also the costliest single weapon platform the country has ever bought.

<https://timesofindia.indiatimes.com/india/india-deploys-aircraft-carrier-in-arabian-sea-even-as-china-pakistan-conduct-major-exercise/articleshow/73191796.cms>



## Gaganyaan to be tested in wind tunnel facility of CSIR laboratory

By Shimona Kanwar

Chandigarh: Gaganyaan - India's first manned mission to space - will be tested in the wind tunnel facility at National Aerospace Laboratories (NAL) in Bangalore, a laboratory of Council of Scientific and Industrial Research (CSIR). Director General (DG) CSIR, Dr Shekar Mande explained about the role of CSIR in the indigenous mission on Friday during his visit at the Institute of Microbial Technology (IMTECH).

"The mission is complex and needs collaboration between CSIR, Indian Space Research Organisation (ISRO) and Defence Research and Development Organisation (DRDO) for achieving the objective. CSIR will play a vital role in design of the space shuttle which will be tested in the wind tunnel facility at NAL," said the DG CSIR.

He said, "The cost of testing the design overseas is very high and there is a long waiting list as well. Every missile developed by the DRDO or new aircraft made in the country has gone through the wind tunnel facility at the NAL."

The CSIR shall study the aerodynamics for refining design of the space shuttle. "It shall also help the ISRO in the advisory role for training of astronauts and all the safety measures required in the space mission," said Dr Mande.

<https://timesofindia.indiatimes.com/city/chandigarh/gaganyaan-to-be-tested-in-wind-tunnel-facility-of-csir-laboratory/articleshow/73197813.cms>



Sun, 12 Jan 2020

## Indian-origin man new NASA member

Houston: Raja Jon Vurputoor Chari, an Indian-American US Air Force colonel, is among 11 new NASA graduates who have successfully completed their over two years of basic astronaut training and are all set to be a part of the space agency's ambitious future missions to the International Space Station, Moon and Mars.

The successful astronauts were selected among 18,000 applicants in 2017 after NASA announced its Artemis programme.

Chari, 41, was selected by NASA to join the 2017 Astronaut Candidate Class. He reported for duty in August 2017 and having completed the initial astronaut candidate training is now eligible for a mission assignment.

Chari's father Srinivas Chari moved to the US from Hyderabad at a young age. Chari graduated from the US Air Force Academy with bachelor's degrees in aeronautical engineering and engineering science. — PTI

<https://www.tribuneindia.com/news/indian-origin-man-new-nasa-member-24860>