

Courses

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Daily Defence Current Affairs

17 August 2022

Raksha Mantri Hands Over Indigenously developed Equipment & Systems To Indian Army

- Rajnath Singh handed over indigenously developed equipment and systems to the Indian Army in New Delhi. These include Future Infantry Soldier as a System (F-INSAS), new generation anti-personnel mine 'Nipun', rugged and automatic communication system with enhanced capabilities, upgraded sights system for tanks and advanced thermal imagers.
- The equipment/systems have been jointly developed by Indian Army in collaboration with Defence Public Sector Undertakings, DRDO and the Industry.
- The details of the equipment and systems handed over to the Indian Army are as follow:

Future Infantry Soldier as a System

- Future Infantry Soldier is being equipped with three primary sub systems. The first sub system is the modern state of art assault rifle along with day and night holographic and reflex sights. The sights are mounted on the weapon and also on helmet to enable a 360-degree visibility and accuracy in operational conditions. In addition to the primary weapon system, the soldiers will also be kitted with multi-mode hand grenade which has also been procured indigenously along with multi-purpose knife.
- The second sub system is protection system. This gives protection through a specially designed helmet and a bullet proof jacket. The third sub system consists of communication and surveillance system. This F-INSAS system is capable of further upgradation by incorporating real time data connectivity.

Anti-Personnel mine 'Nipun'

- For a long time, the Indian Army has been using vintage NMM 14 mines. With the efforts of Armament Research and Development Establishment, Pune and

the Indian industry, a new Indian mine named 'Nipun' has been developed. It will enhance the protection provided to the troops on the borders. The mine is more potent and effective than the existing anti-personnel mine.

Handheld Thermal Imager (Uncooled)

- This equipment is for surveillance and detection. It gives visibility in both day and night and in adverse weather conditions to the soldiers to detect enemy movement and activities.

Commander Thermal Imaging Sight for T-90 tank

- This equipment gives enhanced visibility and range to the commanders of armoured columns. Earlier, in T-90 tanks had image intensification systems which had its own limitations and constraints. The limitations have been overcome by use of thermal imaging sight produced by India Optel Limited.

Downlink Equipment with Recording Facility

- This downlink equipment helps the helicopters in carrying out constant reconnaissance and surveillance of the borders and operational areas. While on missions, reconnaissance data observed is recorded in the system and can be accessed only when the helicopter returns to the base. The equipment, produced indigenously by M/s Exicom Private Limited, is fitted on the Advanced Light Helicopter.

Semi Ruggedised Automatic Exchange System Mk-II

- Indian Army had exchanges that provided line communications to the operationally deployed units. However, there were limitations in terms of numbers of subscribers and quantum of data that could be communicated. Also, the equipment could not work with latest internet protocol technology. A new system has been developed by the Bharat Electronics Limited, Kotdwar, which overcomes all inadequacies of the older system.

Upgraded Radio Relay (Frequency Hopping)

- In challenging forward areas, where no lines or other forms of communication are available, Indian Army has to extend its communication system. With this radio relay system, forward troops are in a position to operate their communication equipment and radio sets at much longer ranges and in greater depths than hitherto. This is an advanced system with frequency hopping

technology and very high capacity. It has been developed by Bharat Electronics Limited, Bengaluru.

Solar Photovoltaic Energy Project

- One of the most challenging terrain and operational sectors of the country is the Siachen Glacier. The complete power requirement in the area to operate various equipment was met only through captive generator supply. A solar photo-voltaic plant has been installed to improve the overall energy requirements and also obviate dependence on fossil fuels. This plant at Partapur was virtually dedicated to the Nation by the Raksha Mantri.

Landing Craft Assault (LCA)

- There are boats operating in Pangong Tso lake, however, they have limited capabilities. The LCA is much more versatile and has overcome the limitations of launch, speed and capacity. It has enhanced the capability to operate across the water obstacles in Eastern Ladakh. LCA has been indigenously developed by M/s Aquarius Ship Yard Limited, Goa.

Mini Remotely Piloted Aerial System (RPAS)

- RPAS removes the operational limitations faced by the Indian Air Force aircraft and the heron Unmanned Aerial Vehicles at tactical level. It empowers the Indian Army by removing the restricted capability for surveillance, detection and reconnaissance at the infantry battalion and mechanised units level.

Infantry Protected Mobility Vehicle (IPMV)

- IPMV provides mobility and more protection to a large number of infantry soldiers posted at the Northern Borders. It has been made by M/s Tata Advance Systems Limited.

Quick Reaction Fighting Vehicle (Medium)

- The second vehicle along with the Infantry Mobility Protected Vehicle for enhanced mobility of our troops in Eastern Ladakh is the Quick Reaction Fighting Vehicle (Medium). It facilitates quick deployment of troops and will enable much faster reaction. The vehicles have been procured from Tata Advanced Systems Ltd. These are tailor made vehicles with high mobility, enhanced firepower & protection. It will facilitate in creating moral ascendancy in our Northern Borders.



IAF MTB Expedition From Khardung La To Delhi To Commemorate 75 Yrs Of India's Independence

- Commemorating India's 75 years of Independence, the Indian Air Force conducted a landmark Mountain Terrain Biking expedition from Khardung La (Leh) to Delhi from 31 July 2022 to 15 August 2022 with a team of 20 Air Warriors and 12 support staff. The expedition was flagged off by Air Commodore PK Srivastava, Air Officer Commanding, Air Force Station Leh, from Khardung La on 31 July 2022.
- The cyclists faced the daunting task of covering 1100 km in 16 days, culminating at the National War Memorial, New Delhi on 15 August 2022 to commemorate the 75th year of Independence, 'Azadi ka Amrit Mahotsav' by paying tribute to our brave soldiers who made the supreme sacrifice during various wars after independence.
- The broader aim of the expedition was to bolster the energy of the youth towards nationalism as the Air Warriors interacted with school children at various stages en route. They also acted as a beacon to channelise the zeal and enthusiasm of the future leaders of the nation.
- Spearheading the team from Indian Air Force was Group Captain AP Menezes, who is an avid cyclist, athlete and a national footballer.
- The expedition has pedalled its way through the lofty peaks of Ladakh traversing through the high passes Tanglang La and Baralacha La before entering Himachal Pradesh and the plains of Punjab towards NCR, Delhi. The team was flagged in

by Air Officer in Charge Administration, Air Marshal K Anantharaman VSM, on 16 Aug 22 at the National War Memorial.



U.S. Carries Out ICBM Test Delayed During Chinese Show-of-force Over Taiwan

- The United States military said that it had carried out a test of a **Minuteman III** intercontinental ballistic missile, delayed to avoid escalating tensions with Beijing during China's show of force near Taiwan earlier this month.
- The test showed "the readiness of U.S. nuclear forces and provides confidence in the lethality and effectiveness of the nation's nuclear deterrent," a U.S. military statement said.
- President Joe Biden's administration has said that it would continue to carry out routine air and naval operations in the Taiwan Strait in the coming weeks.
- The nuclear-capable Minuteman III, made by Boeing Co. (BA.N), is key to the U.S. military's strategic arsenal. The missile has a range of 6,000-plus miles (9,660-plus kms) and can travel at a speed of approximately 15,000 miles per hour (24,000 kph).



General Manoj Pande Releases Book 'Men of Steel' About Leadership In Armed Forces

- Indian Army Chief General Manoj Pande on Tuesday released a book titled 'Men of Steel' on leadership in the armed forces. It is comprehensive and offers valuable insights into several aspects of this unique domain.
- The book 'Men of Steel' is a collection of essays that examine leadership in the armed forces and provides categorical recommendations to sustain the effectiveness and ethos of the military, according to a press statement.
- It is comprehensive and offers valuable insights into several aspects of this unique domain.
- Spread across 15 chapters, all authors have systematically contextualised the role of military leaders, while covering the nuances of leadership at the strategic, operational and tactical levels in the back-drop of challenges of 21st-century warfare and affords further policy recommendations to make the organisation more dynamic and effective.



Moscow Conf on Int'l Security 2022

- Defence Minister Rajnath Singh on Tuesday took part in Moscow Conference on International Security 2022 virtually and noted that the potential geopolitical fault-line in the maritime domain - particularly in East Asia - could be graver than what we are witnessing today.
- Rajnath highlighted that the nations combined their efforts to save succeeding generations from the scourge of war. "All these were to be achieved through multilateral cooperative efforts and by adherence to the charter of the United Nations.
- Union Minister noted that India is working tirelessly within the framework of the United Nations. "India has been a pioneer in UN peacekeeping since its inception. Have deployed more than a quarter million troops in as many as 49 UN peacekeeping missions. 5500 personnel deployed across 9 missions. Serving under the blue flag 77 brave Indian soldiers have made the supreme sacrifice the largest among troops contributing countries."
- He stressed that India is representing one-sixth of humanity and has contributed relentlessly to global security under the UN charter. The Minister said that India is committed to non-discriminatory and verifiable nuclear disarmament
- "India led annual resolution at the annual UNGA titled measure to prevent terrorists from acquiring weapons of mass destruction."



REVIEW QUESTIONS

1. **KHARDUNG LA Is Located At**

- A. Leh
- B. Shimla
- C. Dharmshala
- D. J&K

ANSWER: A

2. **Minuteman III Is A**

- A. ICBM
- B. SRBM
- C. SLBM
- D. MRBM

ANSWER: A

3. **Op Sankalp Was Initiated And Implemented By The**

- A. IAF
- B. BSF
- C. Indian Navy
- D. ICG

ANSWER: C

4. Which Of The Following Is The Oldest CAPF?

- A. CRPF
- B. BSF
- C. Assam Rifles
- D. BSF

ANSWER: C

5. Prahaar Missile Manufactured By

- A. MDL
- B. BDL
- C. CSL
- D. DRDO

ANSWER: B

6. What Is The Name Given To India's First-ever Satellite And Nuclear-missile Tracking Ship?

- A. INS Tez
- B. INS Parvat
- C. INS Eklavya
- D. INS Dhruv

ANSWER: D

7. INS Kochi Is A

- A. Destroyer
- B. OPV
- C. Submarine
- D. Tank

ANSWER: A

8. IBSAMAR Trilateral Naval Exercise Held Between India, Brazil And___?

- A. North Korea
- B. Switzerland
- C. Singapore
- D. South Africa

ANSWER: D

9. The National Disaster Response Force (NDRF) motto is

- A. Always be there

- B. Service for Nation
- C. 24*7
- D. Disaster Service Forever

ANSWER: D

10. Third-Generation Anti-Tank Missile Is _____?

- A. Prithvi
- B. Akash
- C. Trishul
- D. Nag

ANSWER: D

11. Which Honorary Rank Does Sachin Tendulkar Hold?

- A. Lieutenant Colonel
- B. Lieutenant
- C. Major
- D. Group Captain

ANSWER: D

12. The Port Duqm Is In

- A. Yemen
- B. Iran
- C. Iraq
- D. Oman

ANSWER: D

13. Regimental Centre Of THE BRIGADE OF THE

- A. Kamptee, Maharashtra
- B. Ahmednagar, Maharashtra
- C. Delhi Cantonment
- D. Fatehgarh, Uttar Pradesh

ANSWER: A

14. NICOSIA Is The Capital Of

- A. CYPRUS
- B. Qatar
- C. UAE
- D. EL SALVADOR

ANSWER: A

15. "The Satanic Verses" Book Is Written By

- A. Anil Bhatt
- B. Sitaram Yechuri
- C. Sanjay Dixit
- D. Salman Rushdie

ANSWER: D

16. BR18 Is A

- A. Destroyer
- B. Helicopter
- C. Assault rifle
- D. Submachine gun

ANSWER: C

17. Safran Manufactures Aircraft Engines, Rocket Engines MNC Comes From

- A. Germany
- B. France
- C. Nepal
- D. UK

ANSWER: B

18. UNDP Was Established In

- A. 1965
- B. 1975
- C. 1985
- D. 1995

ANSWER: A

19. Lamitye Exercise Held B/W India And ___?

- A. Thailand
- B. USA
- C. Qatar
- D. Seychelles

ANSWER: D

20. War Cry of THE MAHAR REGIMENT

- A. Bharat Mata ki Jai

- B. Bolo Hindustan Ki Jay
- C. Jai Hind
- D. Durga Mata Ki Jai

ANSWER: B

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