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DEFENCE UPDATES

03 JULY 2021

Indian Army Inducts 12 Indigenously Developed Short Span Bridging Systems (SSBS)-10 M

- The SSBS-10 m plays a crucial role of bridging the gaps up to 9.5 m as a single span providing a 4 m wide, fully decked roadway, ensuring faster movement of the troops.
- R&D Establishment (Engineers) Pune, a premier laboratory of DRDO, has designed and developed the system in association with M/s L&T Ltd.
- The DRDO has vast experience in developing critical Combat Engineering Systems like Military Bridging Systems. Number of mechanized mobility solutions for the Indian Army like Single Span 5 m and 10 m, Short Span Bridging System, 46 m Modular Bridge, 20 m BLT-T72 and multi span 75 m Sarvatra Bridging System etc. have been developed. Manually launched 34.5 m Mountain Foot Bridge was also developed by DRDO earlier.

Indian Navy's MH-60R Helicopter Induction Crew Undergoing Training at US Naval Base Coronado

- A team of 18 Navy personnel reached US for training on the MH-60R multi-role helicopters, 24 of which were contracted in a \$2.2-billion deal signed during the visit of then President Donald Trump in February 2020.
- 3 helicopters are scheduled to be delivered next month which will be used for training in the U.S. The first batch is likely to arrive in India by June 2022.
- Training of the first batch of aircrew and technical crew, will commence at Pensacola, Florida and San Diego.
- These helicopters, built by Lockheed Martin, are being procured under the 'Buy (Global)' category of the procurement procedure through the Foreign Military Sales route of the U.S. The deliveries are expected to be completed by 2025.

ABOUT MH-60R HELICOPTER:

Cockpit Dimensions:

- Fully integrated glass cockpit equipped with four 8in × 10in (20.3cm × 25.4cm) full-colour multi-function mission and flight displays that are night-vision goggle-compatible and sunlight-readable.
- The length of the cabin is 3.2m, while the height and width are 1.3m and 1.8m respectively. The cabin area and volume of the helicopter are 6m² and 8.5m³, respectively.

Missiles & Defence:

- AGM-114 Hellfire anti-surface missiles.
- ATK mk50 or mk46 active / passive lightweight torpedoes.
- pintle-mounted 7.62mm machine gun can be fitted for self-defence.
- ATK AN/AAR-47 missile warner,
- laser warning system,
- BAE Systems AN / ALQ-144 infrared jammer
- AN / ALE-39 chaff and flare decoy dispenser.
- Raytheon AN / AQS-22 advanced airborne low-frequency (ALFS) dipping sonar.
- forward-looking infrared (FLIR) and laser rangefinder.

PERFORMANCE:

- Engines: 2 General Electric T700-GE-401C turboshaft engines rated at 1,425kW.
- The internal self-sealing fuel tanks have a capacity of 2,230l.
- Climb rate = 8.38 m/s.
- Max. Speed = 267 km/h
- Cruise Speed = 168 km/h
- Range = 834 km.
- Service ceiling = 3,438m.
- Weight = 6,895 kg.
- MTOW = 10,659kg.

Youth from 25 countries to participate in Republic Day 2022 celebrations as part of 'Azadi ka Amrit Mahotsav'

- The National Cadets Corps (NCC) will be inviting youth delegations of 25 countries from across all six inhabited continents to participate in the Republic Day 2022 celebrations.
- Of these 25, 15 countries are going to represent their youth delegations for the first time and the rest 10 nations are those with NCC already conducts Youth Exchange Programme (YEP).
- **15 countries representing for first time:** USA, Canada, UK, France, Japan, Oman, UAE, Brazil, Argentina, Australia, New Zealand, Mauritius, Mozambique, Nigeria and Seychelles.
- **10 other participating countries with whom India already undertakes YEP:** Bangladesh, Nepal, Bhutan, Russia, Kazakhstan, Singapore, Kyrgyz Republic, Sri Lanka, Maldives and Vietnam.
- For the first time, the cadets/youth participating in the NCC Republic Day camp from foreign countries will compete to get selected based on a selection process to be organised by NCC in those countries. The selection competition will adjudge candidates on their knowledge about India, its achievements in last 75 years, culture and people.
- Broad timeline given as per inputs:

Date	Activity
July	Dissemination of sample quiz paper for the competition by Defence Attaché/Embassy of the concerned country
September	Quiz competition to be conducted by Defence Attaché/Embassy of the concerned country with the help of National Cadet Corps/Equivalent Youth organisation
October	Announcement of results and shortlisting of list of 10 cadets/youth from participating countries

Completion of 39th Naval Technical Staff Course at Military Institute of Technology, Pune

SpokespersonNavy Retweeted



HQ IDS @HQ_IDS_India · 2h

Valedictory function held on successful completion of 39th Naval Technical Staff Course at Military Institute of Technology, Pune #MILIT

14 Naval Officers graduated the course and are set to take up challenging appointments ahead

Jai Hind 🇮🇳



1 21 154

New Batch of Air Warriors from AFS Jalahalli



SSB Crack Exams @SSB Crack Exams · 2h

Fresh Batch of Air Warriors has been inducted into the Indian Air Force at Air Force Station, Jalahalli, Bengaluru, today.

322 Airmen Trainees successfully completed their training.

The Parade was reviewed by Air Commodore NK Nair, Air Officer Commanding, AFS Jalahalli.



Indian Air Force and 8 others

1 36

POP of 308 Air Warriors of Workshop Training Institute (WTI) at AFS Tambaram



SSBCrackExams @SSBCrackExams · 3h

An impressive 'Passing out Parade' was held to mark the culmination of trade-phase training of 308 Air Warriors of Workshop Training Institute (WTI) at Air Force Station, Tambaram today. The Chief Guest, Air Commodore Vipul Singh, AOC reviewed the Parade.



SSBCrack and 8 others



REVIEW QUESTIONS

1. Which premier laboratory of DRDO has designed and developed the Short Span Bridging System in association with M/s L&T Ltd?
 - A. R&D Establishment (Engineers) Pune
 - B. Advanced Centre for Energetic Materials (ACEM)
 - C. Advanced Systems Laboratory (ASL)
 - D. Aerial Delivery Research and Development Establishment (ADRDE)

ANSWER: A

2. MH-60R helicopters, built by Lockheed Martin, are being procured under the ___ category of the procurement procedure enlisted by MoD.
 - A. Buy (Global)
 - B. Buy (Indian)
 - C. Buy and Make (Make Indian)
 - D. Buy – Indian Designed, Developed and Manufactured (IDDM)

ANSWER: A

3. **MH-60R helicopter uses ____ engines.**

- A. Turboprop
- B. Turboshaft
- C. Turbofan
- D. Turbojet

ANSWER: B

4. **Azadi ka Amrit Mahotsav is an initiative of the Govt. of India to celebrate and commemorate how many years of progressive India and the glorious history of the people, culture and achievements?**

- A. 60
- B. 65
- C. 70
- D. 75

ANSWER: D

5. **Youth from how many countries are going to participate in Republic Day 2022 celebrations as part of 'Azadi ka Amrit Mahotsav'?**

- A. 30
- B. 25
- C. 20
- D. 15

ANSWER: B

6. **How many countries are going to participate and represent their youth delegations in our Republic Day 2022 for the first time?**

- A. 25
- B. 30
- C. 15
- D. 20

ANSWER: C

7. **Which of these is considered as the highest camp/programme in NCC by the cadets?**

- A. Republic day camp (RDC)
- B. Independence Day camp (IDC)

- C. Youth Exchange Programme (YEP)
- D. Ek Bharat Shrestha Bharat camp (EBSBC)

ANSWER: C

8. Military Institute of Technology is located in:

- A. Hyderabad
- B. Bengaluru
- C. Jodhpur
- D. Pune

ANSWER: D

9. AFS Jalahalli is in:

- A. Karnataka
- B. Tamil Nadu
- C. Telangana
- D. Kerala

ANSWER: A

10. AFS Tambaram is in:

- A. Karnataka
- B. Tamil Nadu
- C. Telangana
- D. Kerala

ANSWER: B



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