Stand-off Anti-tank (SANT) Missile

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In news– Recently, DRDO and Indian Air Force (IAF) flight-tested the indigenously designed and developed Helicopter launched Stand-off Anti-tank (SANT) Missile from Pokhran ranges.

About SANT missile-

- It has been **designed and developed by Research Center Imarat (RCI)**, Hyderabad in **coordination with other DRDO** labs and participation from industries.
- It is **equipped with a state-of-the-art millimeter wave (MMW) seeker** which provides high precision strike capability from a safe distance.
- The weapon **can neutralize targets in a range up to 10 kms.**
- This **is the third in the series of indigenous stand-off weapons** to be tested in recent times, after the Long-Range Bomb and Smart Anti-Airfield Weapon (SAAW), further strengthening the arsenal of the Indian Air Force.

Smart Anti-Airfield Weapon (SAAW)-

- It was designed and developed **by Research Center Imarat (RCI)** in coordination with other DRDO Laboratories and extensive support from IAF.
- Hindustan Aeronautics Limited (HAL), Bengaluru has carried out weapon integration with the aircraft.
- Electro-optical configuration of the system is equipped with Imaging Infra-Red (IIR) Seeker technology enhancing the weapon’s precision strike capability.
- The system is designed for a maximum range of 100 kilometres.

Long Range Bomb (LRB)-

- It is the indigenously-developed guided bomb.
- It was designed and developed in collaboration with other DRDO laboratories by Research Center Imarat (RCI), a DRDO laboratory in Hyderabad.

About Research Centre Imarat (RCI)-

- It is a DRDO laboratory located in Hyderabad, Telangana.
- RCI is entrusted with the responsibility of carrying out research and development in the technologies of Control Engineering, Inertial Navigation, Imaging Infrared seekers, RF Seekers & Systems, On-board Computers and Mission Software.
- It was **established by APJ Abdul Kalam in 1988.**