

Tactical LAN Radio

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Why in News?

- It is the **second contract** that the Army has firmed up **under the framework of Innovations for Defence Excellence (iDEX)**.

About Tactical LAN Radio:

- It is a **state-of-the-art high-bandwidth backhaul wireless radio equipment** for the provisioning of **reliable and failsafe communication**.
- The LAN radio solution offers an **enhanced range of communication** and **embedded frequency hopping mechanism** to preclude chances of interception.
- It provides **long-range point-to-multipoint high-bandwidth communication**.
- The system also incorporates **enhanced safety features** and **can operate continuously for 48 hours** on a single-set basis, without any breakdown.

What is What is iDEX (Innovations for Defence Excellence)?

- It is the **flagship initiative of the Ministry of Defence (MoD)**, launched in April 2018.
- **Aim:** To **achieve self-reliance and foster innovation** and technology development **in Defence and Aerospace by engaging Industries** including MSMEs, start-ups, individual innovators, R&D institutes **and academia**.
- iDEX has **partnered with leading incubators** in the country **to provide handholding, technical support and guidance** to the winners of iDEX challenges.
- iDEX **will be funded and managed by a 'Defence Innovation Organization (DIO)'** which has been formed as a **'not for profit company'** as per Section 8 of the Companies Act 2013 **by the two founder members, i.e. Defence Public Sector Undertakings (DPSUs) - HAL & BEL**.
- **iDEX will function as the executive arm of DIO**, carrying out all the required activities, while DIO will provide high-level policy guidance to iDEX.
- Under iDEX, **financial support is provided to Start-ups/MSMEs/individual innovators and Partner Incubators through DIO**.

Q1) What is LAN?

A local area network (LAN) is a collection of devices connected together in one physical location, such as a building, office, or home. A LAN can be small or large, ranging from a home network with one user to an enterprise network with thousands of users and devices in an office or school.

Source: [Army signs pact for procurement of 'tactical LAN radio'](#)

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