'Unmanned Traffic Management Software'

Why In News?

- On February 22, 2023, Uttarakhand Police Communication ADG Amit Sinha said that every drone flying in the state will now be in front of the eyes of the police. For this, the police are now preparing unmanned traffic management (UTM) software.

Key points

- Amit Sinha, ADG Police Communications, said an agreement is being signed with a Delhi-based company to develop unmanned traffic management (UTM) software. It will be mandatory for every drone operator to register on this software. The police will test this software next week.
- The Delhi-based company is developing UTM software for the police. Every drone will be registered on it. This will tell the live location from take-off to route and landing. If a drone is being flown without registration, it will also be jammed with a jammer. It will also be mandatory for those flying cargo drones to amateur drones to register on this software.
- It is worth noting that the who, where and why drones are flying drones in the state so far police do not have any mechanism to keep an eye on, while small cargo drones are also being flown in many parts of the state. Medicines, blood samples and all kinds of materials are being transported to far-flung areas. In such a situation, some anti-social elements can also take advantage of it.
- At present, the DGCA has made unique identification number (UIN) mandatory for drones. Now the UIN number of each drone is released. The police will feed this number into their software. Through this, the police will be able to know his location. This police software will work on the basis of no permission no take-off.
- Until last year, incoming drones did not have UIN. It had RID (remote identification). Along with registering the RID, the police will install special chips in these drones. This chip will be installed to tell the location.

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