



GPS Tracking For Medicine Delivery

Why in News?

In order to strengthen its supply chain and facilitate smooth delivery of medicines, **the Chhattisgarh Medical Services Corporation Limited (CGMSCL), responsible for procuring and distributing quality tested drugs** and medical equipment to government health facilities in the state, has announced deployment of [Global Positioning System \(GPS\)](#) based tracking system.

Key Points

- In its latest order, CGMSCL has mandated the installation of GPS enabled devices on all its vehicles. The **GPS data coupled with the in-house DPDMIS application enables easy tracking of any shipment** from warehouse to facilities, thus determining accurate location and estimate approximate time of delivery.
- CGMSCL over the years **has taken several initiatives to strengthen its supply chain primarily by augmenting the features of its in-house software DPDMIS** (Drug Procurement and Distribution Management Information Systems), increasing efficiency of its warehouses and by operating vehicles for medical supplies to all hospitals.
- One of the key objectives of CGMSCL is **to ensure availability of required medicines at the right place.**
 - GPS based vehicle tracking system aims to aid store in-charges, warehouse managers and top management **with features like real-time tracking, Estimated Time of Arrival (ETA) and proof of delivery.**

Global Positioning System (GPS)

- The GPS was **initiated by the US Department of Defense in 1973.**
- GPS operates through satellite-transmitted radio signals at specific frequencies (L1 and the L2 frequencies at 50 bits/second), **received and triangulated by GPS receivers, enabling precise location determination in three dimensions of space and one of time.**