



Uttar Pradesh's Semiconductor Policy

Why in News?

Recently, Uttar Pradesh Chief Minister Yogi Adityanath ordered officials to prepare the **state's semiconductor policy**.

- The decision came after taking cognizance of the **significant role** that semiconductors are playing in today's rapidly evolving **technology-driven global economy**.

Key Points

- According to estimates, the **global semiconductor ecosystem** is expected to have **generated revenues exceeding USD 950 billion in the fiscal year 2022**.
 - The semiconductor chip sector has announced an **investment of more than USD 500 billion for the last two years**.
- The Centre is giving **incentives for semiconductor manufacturing** services like **semiconductor fabs, display fabs, and compound semiconductors**.
 - In 2021, India announced its roughly USD 10 billion-dollar **Production-Linked Incentive (PLI) scheme** to encourage semiconductor and display manufacturing in the country.
 - For the semiconductor and display ecosystem, having **fabrication units, mixed semiconductors, outsourced semiconductors, assembly and test units, testing, and packaging units** creates a better ecosystem.
- There **should be a provision for the disbursement** of financial and non-financial incentives under Uttar Pradesh's policy **for attracting global semiconductor investors**.

Semiconductors

- Semiconductors are a **class of crystalline solids** intermediate in electrical conductivity **between a conductor and an insulator**.
- They are **employed in the manufacture of various kinds of electronic devices**, including diodes, transistors, and integrated circuits.
 - Such **devices have found wide application** because of their compactness, reliability, power efficiency, and low cost.