

New Projects under Electronics Manufacturing Component Scheme (ECMS)

Prelims: Current events national and international importance

Why in News?

Recently government of India approved first batch of 7 projects with investment of over Rs.5500 crores under Electronics Manufacturing Component Scheme (ECMS).

***ECMS Scheme** launched in April 2025 as a complement to the India Semiconductor Mission, seeks to strengthen India's electronics value chain beyond finished goods.*

- **Overview** - These projects expected to generate production worth Rs. 36,559 crores and create over 5,100 direct jobs.
- Approved units are located in Tamil Nadu (5), Andhra Pradesh (1), and Madhya Pradesh (1).
- **Production and Export targets**
 - New units will meet 100% domestic demand for Copper Clad Laminates (CCL).
 - These will produce 20% of domestic Printed Circuit Boards (PCBs) demand and 15% of Camera Module demand.
 - About 60% of production from these units will be exported.
- **Products and Components covered**
 - **Manufacturing of multi-layer PCBs**, High-Density Interconnect (HDI) PCBs (essential for electronic devices),
 - **Camera Modules** (will support smartphones, drones, laptops, tablets, medical instruments, robotics),
 - **Copper Clad Laminates** (crucial for PCB production) and
 - **Polypropylene Films** (for making capacitors used across various electronics).
- **Strategic Significance and Breakthroughs**

- Marks India's entry into manufacturing critical component materials.
- First-ever Copper Clad Laminate manufacturing facility to be set up.
- Enhances supply chain security for sectors like defence, telecom, electric vehicles (EVs), and renewable energy.
- **Economic and Industrial impact**
 - Reduces import dependency and lowers domestic prices of electronic components.
 - Supports balanced regional growth beyond metro areas.
 - Complements other initiatives like the Production Linked Incentive (PLI) scheme and India Semiconductor Mission.
 - Creates high-skill manufacturing and R&D jobs, advances India's self-reliance

Reference

[PIB| Electronics Manufacturing Component Scheme](#)

