

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 <u>100% domestic demand for Copper Clad</u> <u>Laminates (CCL).</u>
 - These will produce 20% of domestic Printed Circuit Boards (PCBs) demand and 15% of Camera Module demand.
 - $_{\circ}$ 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),
 - \circ *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 selfreliance

Reference

PIB| Electronics Manufacturing Component Scheme

