GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2292
TO BE ANSWERED ON: 19.12.2025

ECMS AND SEMICONDUCTOR INNOVATION

2292. SHRI KANAD PURKAYASTHA:

Will the Minister of ELECTRONICS AND INFORMATION TECHNOLOGY be pleased to state:

(a) the approvals granted under the second tranche of the Electronics Components Manufacturing Scheme (ECMS), including the total proposed investment and projected production values;
(b) the States in which the newly approved units are located and the extent to which the scheme supports balanced regional growth and high-skill employment generation;
(c) the categories of electronic components and sub-assemblies covered under the latest approvals and the key sectors expected to be served by these projects; and
(d) the details of the launch of India's first generation energy-efficient edge silicon chip ARKA-GKT1?

ANSWER

MINISTER OF STATE FOR ELECTRONICS AND INFORMATION TECHNOLOGY
(SHRI JITIN PRASADA)

(a) to (d): The policies of Government of India are driven by Hon'ble Prime Minister's vision of Make in India and Atmanirbhar Bharat. It aims building a complete ecosystem for electronics sector.

We started our electronics journey with manufacturing finished products in the country and then started to focus on developing modules. The focus is now on developing the sub-modules/ components and further raw materials, tools and machineries that go into manufacturing it.

Electronics manufacturing in India has expanded significantly in the last 11 years. Value addition by the electronics manufacturing units in India has also increased considerably in recent years. It can be seen from the following statistics:

Rs. in Cr.

#	**2014-15**	**2024-25**	**Remarks**
Production of electronics goods (₹)	~1.9 Lakh Cr	~11.3 Lakh Cr	Increased 6 times
Export of electronics goods (₹)	~0.38 Lakh Cr	~3.3 Lakh Cr	Increased 8 times
Production of mobile phones (₹)	~0.18 Lakh Cr	~5.5 Lakh Cr	Increased 28 times
Export of mobile phones (₹)	~0.01 Lakh Cr	~ 2 Lakh Cr	Increased 127 times

Electronic products ranks among the top three exported goods from India.

This transformation was made possible by the Government's electronics manufacturing strategy. Many initiatives have been undertaken in last 11 years. These include:

- Production linked incentives (PLI) for large scale electronics manufacturing.
- Production linked incentives (PLI) for IT hardware.
- Scheme for Promotion of Manufacturing of Electronic Components and Semiconductors (SPECS)
- Electronics Manufacturing Clusters (EMC and EMC 2.0) Scheme
- Public Procurement (Preference to Make in India) Order 2017 to prioritize domestically manufactured products in public procurement
- Reforms in taxation including rationalization of tariff structure, exemption on basic custom duty on capital goods, etc.
- Allowing 100% FDI in electronics manufacturing, subject to applicable laws / regulations

Electronics Component Manufacturing Scheme (ECMS)

To further deepen electronics manufacturing, Government launched the Electronics Components Manufacturing Scheme (ECMS). It promotes manufacturing of components such as resistors, capacitors, inductors, printed circuit boards, sub-assemblies, electro-mechanicals etc.

The scheme has received unprecedented response from the industry so far. Applications for projects having investment value of ₹ 1.15 lakh crores against the target investment of ₹ 59,350 crores have been received.

Government has approved 24 applications so far under this scheme, out of which 17 applications have been approved in 2nd tranche.

These 17 applications have projected investment of ₹ 7,172 crores, production of ₹ 65,111 crores and generate 11,808 direct employment.

The manufacturing units of these 17 applications are located across 9 States which highlights wide and diverse participation of States across the country in electronic components manufacturing.

These approved applicants would manufacture a wide spectrum of electronic components such as multi-layer PCB, camera module, connectors, oscillators, optical transceivers and enclosures for mobile, IT hardware products and related devices.

These are expected to be used across various sectors like consumer electronics, telecom, auto electronics and IT hardware etc.

The ARKA GKT-1 is a System-on-Chip (SoC) jointly developed by M/s Cyient Semiconductor and M/s Azimuth AI. This SoC supports advanced edge-compute features with potential applications in smart electricity meters enabling smart grids, precision metering and IoT (Internet of Things) infrastructure.

The development of this SoC showcases the maturing of India's industry and shift towards a product-driven and high-performance semiconductor ecosystem.

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