GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION NO. 701
TO BE ANSWERED ON: 24.07.2026

PRODUCTION MILESTONES ACHIEVED BY SEMICONDUCTOR FABRICATION AND ASSEMBLY PLANTS

701. SHRI RAVI CHANDRA VADDIRAJU:

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

(a) the current commercial production milestones achieved by the semiconductor fabrication and assembly plants established in Gujarat, Odisha and Uttar Pradesh;
(b) the structural roadmap and financial allocations earmarked under the newly introduced India Semiconductor Mission (ISM) 2.0 to build an indigenous supply chain for semiconductor materials and equipment; and
(c) the steps being taken to deploy public-sector Graphic Processing Unit (GPU) clusters under the IndiaAI Mission to support indigenous AI Startups?

ANSWER

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

(a) and (b): Semiconductor industry is a foundational industry. Different sectors of the economy such as industrial, consumer, defence, telecommunication and automotive etc depend on semiconductors.

In view of its strategic importance and in line with the Hon'ble Prime Minister's vision of Make in India and Atmanirbhar Bharat, government is building a complete ecosystem for semiconductors.

India is developing a full ecosystem including R&D, design, fabrication, assembly, testing, packaging and module manufacturing and talent development. Now, the focus is also developing the ecosystem for chemicals, gases, materials and equipments.

Semicon India Programme:
Government of India launched Semicon India Programme in January 2022 with a total financial outlay of ₹76,000 crore to develop the semiconductor and display manufacturing ecosystem in India. The details of the programme are available at www.ism.gov.in.

Under Semicon India Programme, Government has approved 12 manufacturing projects spanning across 6 states.

Out of these 12 projects, commercial production has already commenced from three plants viz. Micron, Kaynes and CG Semi Pvt. Ltd.

Semicon2.0:
Building on the success of Semicon India 1.0, the Cabinet further approved Semicon 2.0 on July 15, 2026. This initiative aims to establish a self-reliant, globally competitive semiconductor design and manufacturing ecosystem. Semicon 2.0 is built on following six pillars:

S. No.	Pillars	Segment
1	Design of Chips	Strategic & commercial chips
2	Machines and materials	Equipment, chemicals, gases, materials
3	Setting up more Fabs	Silicon, display, compound etc.
4	Further strengthening the ATMP/OSAT industry	Advanced & legacy packaging
5	Research & Development	Advanced technologies
6	Talent Development	Design & manufacturing talent

The Semicon2.0 has dedicated pillars for development of supply chain (Equipment, chemicals, gases, materials etc), research and development for advanced technologies and also for talent development for design and manufacturing.

Further, the approved applicants can tie up with various global and local supply chain partners to ensure long term supply of the chemicals, gases and other raw materials.

Global giants Merck and Linde have also expressed their interest in investing significantly in India. These companies make specialty chemicals and high-purity gas facilities. This reflects the confidence of global companies in India's growing semiconductor ecosystem.

(c): Government of India, through IndiaAI Mission, is strengthening India's sovereign AI capabilities by making the compute available to our model builders. Compute resources (GPUs) are being offered at subsidised rates, with support of up to 40 per cent on an equitable, location-agnostic basis.

Indian startups, MSMEs, researchers, academia, government entities and public-sector organisations are making use of this facility.

IndiaAI Mission is supporting 20 indigenous sovereign models, comprising 12 LLMs and 8 SLMs. Subsidised GPU access/compute is provided to these model builders for training their models.

Sarvam AI’s 30 billion & 105 billion parameter model, Gnani.AI’s speech-to-speech model, BharatGen’s multilingual foundation models and Avataar AI’s video generation model have trained on this compute.

IndiaAI Mission has so far empanelled 15 Cloud service providers/Managed Service Providers for this purpose. So far, 237 end-users have been approved for subsidised compute support, with approximately 93.18 lakh GPU hours sanctioned

In addition, a High-Performance AI Compute System of approximately 1.1 EFLOPS is being established at the NIC Data Centre, Shastri Park, Delhi, to meet the sovereign AI compute requirements of the Government

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