

GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
LOK SABHA
UNSTARRED QUESTION NO. 6046
TO BE ANSWERED ON: 01.04.2026

SEMICONDUCTOR FABRICATION OR DESIGN UNITS IN TELANGANA

6046. SHRI RAMASAHAYAM RAGHURAM REDDY:

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

- (a) whether the Government has approved any central scheme grants under the India Semiconductor Mission for semiconductor fabrication or design units in Telangana and if so, the number of units, committed investment and timeline;
- (b) if not, the reasons therefor and whether there are any units being considered; and
- (c) the details of the criteria the Centre uses to allocate States for semiconductor mission benefits and the manner in which Telangana was evaluated?

ANSWER

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

(a) to (c): India's semiconductor development strategy is inspired by Hon'ble Prime Minister's vision of Atmanirbhar Bharat and Make in India, Make for the world.

It builds on the success of the electronics manufacturing. In last 11 years, electronics manufacturing has increased to nearly 12 Lakh Cr and provides employment to more than 60 lakh people.

Semicon India program:

In 2022, Government approved Semicon India programme for the development of complete semiconductor ecosystem, ranging from design, fabrication, assembly, testing, packaging, and module manufacturing.

Fiscal incentives are provided for setting up semiconductor units including fabs, packaging units, etc.

Progress of Semicon India:

In a short span of four years, the Government has approved 10 units with an investment commitment of about Rs 1.6 Lakh Cr.

Approved projects include one Silicon CMOS based semiconductor fabs for logic chips, one Silicon Carbide based semiconductor fab for high power applications, two advance packaging for glass-based packaging and wafer level packaging and 6 other ATMP/OSAT facilities.

The commercial production in two plants (Micron and Kaynes at Sanand) has commenced with 2 more units to start commercial production this year.

Developing design ecosystem:

As per industry assessment, the maximum value addition in the semiconductor chips is from the design of chips. Government is developing India's chip design ecosystem in two ways:

1. Supporting Indian design engineers through Chip design tools:

In a one of its kind initiatives in the world, Government has provided cutting edge chip design tools from 8 different companies to 315 universities. So far, their usage has exceeded 200 lakh hours.

Using these tools, 211 chips have been taped out by 75 institutions across India including 149 chips at 180nm, SCL Mohali and 62 chip at overseas foundries.

2. Supporting Indian design companies through grant, free design tool and fabrication support:

Government has approved 24 projects for the design of semiconductor chips and SoCs.

These projects address critical sectors such as video surveillance, drone detection, energy metering, microprocessors, satellite communications, and broadband and IoT SoCs.

Out of 24 projects, 14 companies have raised venture capital funding of more than Rs 650 Cr to scale up and productize their solutions.

Seven (7) chips have been successfully fabricated at various nodes including advanced nodes such as 12 nm.

The list of chip companies and universities supported in Telangana under the program is at **Annexure-I.**

Annexure-I**Companies supported for fiscal support under DLI in the state of Telangana:**

S. No.	Company Name	Project Name
1	Green PMU Semi Pvt. Ltd.	Energy-Harvesting power management Chip for IoT applications
2	WiSig Networks Pvt. Ltd.	A 5G NB-IoT based SoC for Terrestrial and Satcom Applications
3	MosChip Technologies Pvt. Ltd.	Smart Energy Meter IC-VIDYUT

Companies supported for design tools under DLI in the state of Telangana:

1. Green PMU Semi Pvt. Ltd.
2. Wisig Networks Pvt. Ltd.
3. Dheyo AI Pvt. Ltd.
4. AMPICQ Pvt. Ltd.
5. BITSILICA Pvt Ltd
6. Manjeera Digital Systems Pvt. Ltd.
7. Spintronics AI Semiconductors Pvt. Ltd.
8. SmartKosh Technologies Pvt. Ltd.
9. Vconnectech Systems Pvt. Ltd.
10. Speedbus Semiconductors Pvt. Ltd.
11. WnPSemicon LLP
12. Sigam Semiconductors OPC Pvt. Ltd.
13. Vaaluka Solutions Pvt. Ltd.

List of Academic Institutes supported under C2S Programme in the state of Telangana:

1. University of Hyderabad
2. International Institute of Information Technology Hyderabad
3. Osmania University College of Engineering
4. Chaitanya Bharathi Institute of Technology, Hyderabad
5. Indian Institute of Technology Hyderabad
6. National Institute of Technology Warangal
7. JNTUH University College of Engineering Hyderabad
8. Birla Institute of Technology & Science (BITS), Hyderabad
9. SR University, Warangal
10. ACTS, CDAC, Hyderabad
11. VNRVJIET, Hyderabad
12. MJ College of Engineering and Technology (MJCET), Hyderabad
13. Geethanjali College of Engineering and Technology, Telangana
14. B V Raju Institute of Technology, Narsapur, Telangana
15. GNITS, Hyderabad
16. MLR Institute of Technology, Dundigal
17. Vasavi College of Engineering, Hyderabad
18. ICFAI Foundation for Higher Education, Hyderabad
19. T K R College of Engineering & Technology, Hyderabad

20. CVR College of Engineering, Telangana
21. CMR Engineering College, Hyderabad
22. Vardhaman College of Engineering, Hyderabad
23. AVN Institute of Engineering & Technology, Telangana
24. ACE Engineering College, Ankushapur, Telangana
25. GITAM School of Technology, GITAM Deemed to be University, Hyderabad
26. Methodist College of Engineering and Technology, Hyderabad
