GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
LOK SABHA
UNSTARRED QUESTION NO. 503
TO BE ANSWERED ON: 23.07.2025

INDIA SEMICONDUCTOR MISSION AND DIGITAL MANUFACTURING ECOSYSTEM DEVELOPMENT IN TAMIL NADU

503. THIRU DAYANIDHI MARAN:

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

(a) the details of the semiconductor manufacturing projects approved or under consideration in the country under the India Semiconductor Mission;
(b) the details of the technical and financial support framework extended to complement Tamil Nadu's Semiconductor and Advanced Electronics Policy, 2024 targeting creation of 200,000 skilled professionals by 2030;
(c) the details of the alignment between Union Government Production Linked Incentive (PLI) schemes for electronics manufacturing worth USD 10 billion and the Semiconductor High-Tech Park Projects planned in Tamil Nadu with investments exceeding Rs. 25,600 crore;
(d) the details of the Design Linked Incentive (DLI) scheme allocations and technical support provided by the Union Government Research Institutions for building a semiconductor design ecosystem in Tamil Nadu; and
(e) the details of the workforce development and skill certification programmes initiated by the Union Government to support Tamil Nadu's semiconductor manufacturing ambitions under the National Skill Development Mission?

ANSWER

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

(a) to (e): Government introduced Semicon India Programme with an outlay of Rs 76,000 crore, which provides:

i. Fiscal support of 50% of the project cost on *pari-passu* basis for setting up of Silicon Complementary Metal-Oxide-Semiconductor (CMOS) based Semiconductor Fabs in India.
ii. Fiscal support of 50% of Project Cost on *pari-passu* basis for setting up of Display Fabs in India.
iii. Fiscal support of 50% of the Capital Expenditure on *pari-passu* basis for setting up of Compound Semiconductors / Silicon Photonics (SiPh) / Sensors (including Micro-Electro-Mechanical Systems) Fab/ Discrete Semiconductor Fab and Semiconductor Assembly, Testing, Marking and Packaging (ATMP) / Outsourced Semiconductor Assembly and Test (OSAT) facilities in India.
iv. Product Design Linked Incentive (DLI) of up to 50% of the eligible expenditure subject to a ceiling of ₹15 Crore per application and also “Deployment Linked Incentive” of 6% to 4% of net sales turnover over 5 years subject to a ceiling of ₹30 Crore per application for incentivising chip design.

Under Semicon India Programme, Government has approved 6 semiconductor manufacturing projects with cumulative investment of around Rs. 1,55,000 crore

It is a pan India programme and the applicants are free to choose locations for their projects. Many states have designed their semiconductor policies to align with the Semicon India Programme. Applications are evaluated on technical and financial aspects. Applicants choose the project location depending on various parameters such as uninterrupted power supply, availability and quality of water, land availability, proximity of airport, incentives offered under State government policies and other measures relating to ease of doing business provided by the State Governments.

In addition to providing fiscal support for design and deployment of semiconductor chips under the Design Linked Incentive (DLI) scheme, the scheme also provides design infrastructure support to the applicants. Out of 22 design companies approved under the Design Linked Incentive Scheme, so far, 3 companies are approved in the State of Tamil Nadu. Apart from the above, design infrastructure support has also been approved to 6 companies in Tamil Nadu. The details of beneficiaries in the State of Tamilnadu are Annexed.

Skilled manpower is critical for establishing semiconductor sector in India, Accordingly, Government has taken following steps for augmenting skills in semiconductor sector:

- Chips to Startup (C2S) programme aims to develop 85 thousand skilled manpower in semiconductor sector. Under this programme, engineering institutions are provided with necessary software and tools to design semiconductor chips. More than 45 thousand students from 100 institutions have been enrolled. Under Chips to start-up programme 43 institutes from Tamilnadu are being supported with design tools and 10 institutes are being provided financial support. The details of beneficiaries in the State of Tamilnadu are annexed.Under National Skill Development Mission, qualification standards have been developed for the entire value chain of the semiconductor industry.

- All India Council for Technical Education (AICTE) has launched the new curriculum for:
    - B. Tech in Electronics Engineering (VLSI Design)
    - Diploma in Integrated Circuit (IC) manufacturing, and
    - Minor Degree in Electronics Engineering (VLSI Design and Technology)

- A Skilled Manpower Advanced Research and Training (SMART) Lab has been setup in NIELIT Calicut in 2022 with an aim to train 1 lakh engineers nation-wide. More than 42 thousand engineers have already been trained.

- Government is collaborating with industry and universities such as Lam Research, IBM and Purdue University.

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Annexure

Financial support to companies for chip design under DLI in the state of Tamilnadu:

1	Aheesa Digital Innovations Pvt. Ltd.
2	Mindgrove Technologies Pvt. Ltd.
3	InCore Semiconductors Pvt. Ltd.

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

1	ARIES BioMed Technologies Pvt Ltd.
2	Struent Semiconductors Pvt Ltd.
3	PRSsemicon Technologies Pvt Ltd.
4	Aheesa Digital Innovations Pvt. Ltd.
5	Mindgrove Technologies Pvt. Ltd.
6	InCore Semiconductors Pvt. Ltd.

List of Academic Institutes for financial support under C2S Programme in the state of Tamilnadu:

1.	Dr. Mahalingam College of Engineering and Technology, Coimbatore
2.	SNS College of Technology, Coimbatore
3.	National Institute of Technology Tiruchirappalli
4.	Indian Institute of Information Technology Tiruchirappalli
5.	Anna University Regional Campus Coimbatore
6.	Mohamed Sathak Engineering College, Ramanathapuram
7.	Karunya Institute of Technology and Sciences, Coimbatore
8.	St. Xaviers Catholic College of Engineering, Kanya Kumari
9.	College of Engineering Guindy, Anna University, Chennai
10	Indian Institute of Information Technology Design and Manufacturing, Kancheepuram

List of Academic Institutes supported for design tools under C2S Programme in the state of Tamilnadu:

1.	Dr. Mahalingam College of Engineering and Technology, Coimbatore
2.	SNS College of Technology, Coimbatore
3.	National Institute of Technology Tiruchirappalli
4.	Indian Institute of Information Technology Tiruchirappalli
5.	Anna University Regional Campus Coimbatore
6.	Mohamed Sathak Engineering College, Ramanathapuram
7.	Karunya Institute of Technology and Sciences, Coimbatore
8.	St. Xaviers Catholic College of Engineering, Kanya Kumari
9.	College of Engineering Guindy, Anna University, Chennai
10	Indian Institute of Information Technology Design and Manufacturing, Kancheepuram
11	IIT Madras
12	PSG College of Technology, Coimbatore
13	VIT (Vellore Institute of Technology), Vellore
14	Crescent Institute of Science & Technology, Chennai

15	VIT Chennai
16	Madras Institute of Technology
17	Kongu Engineering College, Perundurai, Tamil Nadu
18	SASTRA Deemed University, Tamilnadu
19	SRM Institute of Science and Technology, Kattankulathur
20	R.M.K College of Engineering and Technology, Tiruvallur
21	Kalasalingam Academy of Research & Education, Tamilnadu
22	Mohamed Sathak A J College of Engineering, Chennai
23	SSN College of Engineering, Kalavakkam
24	Easwari Engineering College, Chennai
25	Vel Tech, Chennai
26	RMK Engineering College, Kavaraipettai
27	SRM TRP Engineering College, Trichy
28	Sri Eshwar College of Engineering, Coimbatore
29	SRM Institute of Science & Technology, Tiruchirappalli
30	NIELIT Chennai
31	SRM Institute of Science & Technology, Chennai
32	Sri Sairam Engineering College, Chennai
33	Chennai Institute of Technology, Chennai
34	Thiagarajar College of Engineering, Madurai
35	J.N.N Institute of Engineering, Chennai
36	Arunachala College of Engineering For Women, TamilNadu
37	Government College of Technology, Coimbatore
38	Sri Shakthi Institute of Engineering and Technology, Coimbatore
39	P.S.R. Engineering College, Sivakasi
40	Rajalakshmi Engineering College, Thandalam, Chennai
41	Rajalakshmi Institute of Technology, Chennai
42	Sona College of Technology, Salem
43	Hindusthan College of Engineering and Technology, Coimbatore

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