

GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
LOK SABHA
UNSTARRED QUESTION NO. 5316
TO BE ANSWERED ON: 25.03.2026

SEMICONDUCTOR MISSION 2.0 IN TIRUPATI

5316. SHRI MADDILA GURUMOORTHY:

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

- (a) whether any semiconductor manufacturing equipment, materials or design projects are proposed or approved under India Semiconductor Mission 2.0 in Andhra Pradesh, particularly in or around Tirupati Parliamentary Segment;
- (b) if so, the details thereof including location, investment and employment potential;
- (c) if not, the reasons therefor; and
- (d) whether the Government proposes to include Tirupati region under semiconductor skill development and training initiatives?

ANSWER

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

(a) to (d): India's electronic manufacturing strategy is driven by the Hon'ble Prime Minister's vision of AtmaNirbhar Bharat and Making India a global manufacturing hub. The Government adopted a structured and targeted policy for electronics manufacturing across the entire value chain including semiconductors.

Various initiatives in this regard include the Production Linked Incentive (PLI) Schemes for Large Scale Electronics Manufacturing and IT Hardware, Semicon India Programme, Scheme for Promotion of Manufacturing of Electronic Components and Semiconductors (SPECs), Modified Special Incentive Package Scheme (M-SIPS), Electronics Manufacturing Clusters (EMC) Scheme, and Electronics Components Manufacturing Scheme (ECMS).

As a result of these policies, electronics manufacturing in India has expanded significantly in the last 11 years.

Table1:

#	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 (₹)	0.01Lakh Cr.	2 Lakh Cr	Increased 127 times
Mobile Phone imported (units)	75% of the total demand	0.02% of the total demand	

Smartphones emerged as the top most category in the exported goods in Calendar Year 2025.

Table2:

#	HS Code	Item	Export value (in \$)
1	85171300	Smartphones	30.13 Billion
2	27101944	Automotive diesel fuel, not containing biodiesel, conforming to standard is 1460	16.34 Billion
3	71023910	Diamond (other than industrial diamond) cut or otherwise worked but not mounted or set	12.47 Billion

(Source: Directorate General of Commercial Intelligence and Statistics)

Semicon India Programme:

Semiconductors is a foundational and strategic industry. Semiconductors are used in almost every device. To promote the development of its manufacturing ecosystem in India, the Government launched Semicon India Programme in January 2022.

Government focused on developing the entire value chain of semiconductor ecosystem from design, fabrication, packaging, testing, validation, etc.

Progress of India's semiconductor program:

Government has executed the Semiconductor program with speed, precision and policy clarity. Till date, Government has approved 10 projects with investment commitments of about ₹1.6 lakh crore. In a short span of 4 years, commercial production from one of the plants (Micron) has commenced. Pilot production has started in 3 more units. Construction is progressing rapidly in other units.

Semiconductor projects in Andhra Pradesh:

The approved projects include the proposal of Advanced System in Package (ASIP) Technologies Private Limited for establishing semiconductor manufacturing facility in Andhra Pradesh, with an investment of Rs. 480 Cr.

ASIP facility is expected to have a capacity of around 96 million units/annum with employment potential of 500 highly skilled jobs.

Electronics Manufacturing Cluster in Andhra Pradesh:

To complement semiconductor ecosystem in Andhra Pradesh, Government has approved two Electronics Manufacturing Clusters in Vikruthamala and Renigunta, Tirupati, Andhra Pradesh.

These EMCs provide plug-and-play infrastructure with ready land, utilities and common facilities, thereby reducing project implementation time and improving manufacturing efficiency.

The details of the EMCs in Tirupati, Andhra Pradesh are as follows:

1. Vikruthamala Village, Yerpada Mandal, Chittoor District
 - Area: 501.4 Acres
 - Approved Project Cost: Rs. 248.9 crore
 - Approved Grant-in-aid: Rs. 98.46 crore
2. Renigunta and Yerpada Mandal, Chittoor District, Near Airport, Tirupati
 - Area: 113.27 Acres
 - Approved Project Cost: Rs. 74.27 crore
 - Approved Grant-in-aid: Rs. 37.135crore

The details of units to which the land has been allocated in the above EMCs is at **Annexure-I**.

Developing India's chip design ecosystem:

Government is developing India's chip design ecosystem in two ways:

1. Supporting Indian design engineers by providing free tools.

In a one of its kind initiatives across the world, Government has provided cutting edge chip design tools from 8 different companies to 315 universities at no cost. So far, their usage has exceeded 200 lakh hours.

Using the 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 including advanced nodes such as 12 nm.

The list of chip companies and universities in Andhra Pradesh supported under this program is at **Annexure-II.**

Annexure-I**EMC-II at Vikruthamala, Tirupathi, AP:**

#	Name of Unit	Area (Acres)	Manufacturing Products
1	M/s. Munoth Industries Ltd	30.03	Lithium Battery Cells
2	M/s. AIL Dixon Technologies (P) Ltd	3.63	LED Television from Screen Size 19' to 65", Washing Machine Twin Tub & Single Tub (Fully automatic), LED lighting Products (not restricted to but including LED Lamps, Down Lighters, Street light, LED Baton, Mobile Phones, Home Theatres, etc.)
3	M/s. Sri Kamakshi Systems (P) Ltd	1.60	-
4	M/s. Arete IT Services (P) Ltd	1	MANUFACTURING OF ANDROID BASED ASIC AND RELATED PRODUCTS
5	M/s. Anant Raj Limited	10.14	Affordable housing
6	M/s. Dixon Technologies India Ltd	18.27	Washing machine lighting, Mobile Phone, LED TV, LED Bulbs and related products, CCTV Camera etc.
7	M/s. Kalpin Enterprises (P) Ltd.,	8.24	Set Top Boxes, Routers, Surveillance Cameras, Smart Meters (Water / Electricity) and other communication devices
8	M/s. RR Techpath India Private Ltd.	0.90	Assembling units for photo Voltaic
9	M/s. Wingtech Mobile Communications (India) (P) Ltd.	75	Mfg., of Smart Phones and Feature Phones
10	M/s. K K Rao Engineering Works (P) Ltd.	3.85	POWER AND DISTRIBUTION TRANSFORMERS
11	M/s. Naik Associates	0.25	Assembling of led lights
12	M/s. Basil RBF	1.51	SHED FOR ELECTRONIC MANUFACTURING GOODS
13	M/s. Teja Industries	1.54	ITES ELECTRONIC PRODUCTS MANUFACTURING
14	3STAR SWITCHGEARS	1.50	Electronic
15	INNO TECHSYS PRIVATE LIMITED	5.64	Engineering

16	M/s. Dixon Technologies India Limited	8.17	Electronic
17	LIKHITHA INDUSTRIES LLP	7.66	Electronic
18	Clair Industries Private Limited	3	IT/ITES
19	BHARGAVI GLOBAL PROJECTS	6	Electronic
20	Hotel True Joy	0.31	Hotel, Restuarent, Cattering & all its alike activities
21	EMC Shopping Complex & Canteen	0.37	Shopping complex and canteen
22	Surya Glass	0.25	Manufacturing of Electronic Equipment Screen Guard Toughened Glass
23	DHS Nell India Private Limited	1.19	Electronic Toy Manufacturing
24	Sarada Creche Centre	0.19	Creche Centre to the employees and workers of EMC's only
25	PHR PG Hostel	0.37	PG Hostel to the employees and workers of EMC's only
26	Bildtime.com Private Limited	1.10	Smart Home Devices Custimization & Distribution Center
27	Dixon Technologies India Ltd	8.22	Manufacturing of Washing Machine lighting and Mobile Phone
28	Dixon Technologies (India) Ltd	0.12	Production and Storage facilities for LED TV and Panels Primarily for office area
29	Dixon Technologies (India) Ltd	6.60	Production and Storage facility for LED TV and Panels
30	Dixon Technologies (India) Ltd	2.75	Support function of Industrial activity
31	SAM's Corporation	4.68	ware houses for electronic goods
32	SRIKALAHASTHI ENTERPRISES	1.80	Manufacturing of VFD & Electrical Panels
33	SV EV Station and Restaurant	1.27	EV Station and Restaurant

34	Chaganam Gowrisankar	3.5	Providing factory building for ancillary Manufacturing / Servicing Units in Electronic Manufacturing Cluster
35	Longwell Technology India Pvt Ltd	8.15	Manufacturing of AC Power Cords and its Components, Wiring Harness, DC Cable Assemblies
36	Vimana Venkateswara Complex	1	Services provided for Complex, Weigh Bridge, Restaurant & Rooms, PG
37	M/s JDR Gardens	1	Ware House for rental purpose and restaurant
38	M/s Solitary Kshethra Projects LLP	4.676	Warehouse
39	M/s. Neolync Solutions Private Limited	9.92	Manufacturing of Electronic Items (Mfg., plant to make Mobiles and Telecom Products)
40	M/s VHS Professional Services Private Limited	2.50	IT/ITes
41	M/s Azad Semi Con Industries	0.47	Assembling of Electrical & Electronics Manufacturing Products
42	M/s ECO MAX INNOVATIONS	0.53	Manufacturing of Inverters and Batteries (lithiumION Batteries - LifeP04)
43	M/s Mahalakshmi Industries	0.22	Assembling of Electrical & Electronics Manufacturing Products
44	M/s Sri Vayupytra Electrical Services	1.76	Ware House
45	M/s Mobility Industries	0.49	Power Bank Assembling
46	M/s Ishay Enterprises	1.18	Solar Thermal Equipments Manufacturing

Details of Unit in EMC-I at Tirupathi, A.P

#	Name of Units	Area (Acres)	Product
1	Celkon Impex/ Wingtech Mobile Communications (India) Pvt. Ltd.	19.28	Mobile Phones, Tablets, Set Up Box

2	United Telelinks (Bangalore) Ltd. (Karbon Mobiles)	15	Mobiles, Phones, LED T.V., Tablets, PC IT Products, LED Lights & Consumer Durables
3	Sunny Opotech India Pvt. Ltd. (on land of Seven Hills Digital Park Pvt. Ltd.)	21.82	Camera Modules and Mobile Phone Accessories
4	Avast Lithium Battery Pvt. Ltd.	4.60	LITHIUM BATTERY PACKING
5	SR Intelligent Technologies India PVT. LTD	6.85	SRIT ODC
6	Sankar Shalini Industry	0.49	Hotel
7	M/s.Putta Sathyanarayana Reddy	0.20	approach road and for Boutique Hotel, Super Market, ATM, Food Court and Convention Centre
8	C.Aravind	0.14	Approach Road and Boutique Hotel, Super Market, ATM, Food Court and Convention Centre
9	Sri Vijayeshwara Private Limited	6	Establishment of Restaurant, Shopping Complex, Serviced Appartments, Banquet Hall, Bank and EV Station
10	M/s Heli Techno Industries	1	Manufacturing of USB cords
11	M/s CTB Enterprises	1	Ware House and Shopping Complex
12	M/s SV Electrical and Electronics Manufacturing Unit	1	Electrical & Electronic Mobile Components Manufacturing Unit
13	M/s.Om Electronix	1.50	Manufacturing of Solar products (Solar PV Modules, Solar pumpsets, Solar inverters, solar LED Pattern, Solar LED street lights, Solar LED Home Light System and Solar Roof Tops)
14	M/s JDR Gardens	0.725	Manufacturing of USB Charger Cords

Annexure-II

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

1. Krisemi Design Technologies Pvt. Ltd.

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

1. Indian Institute of Technology Tirupati
2. Indian Institute of Information Technology Design and Manufacturing Kurnool
3. National Institute of Technology Andhra Pradesh

4. Shri Vishnu Engineering College for Women, Bhimavaram
5. Vignan's Foundation for Science Technology and Research, Guntur
6. VIT-AP University, Amaravati, AP
7. SRM University, AP
8. JNTU, Kakinada
9. J N T University, Anantapur
10. V.R. Siddhartha Engineering College, Vijayawada
11. Anil Neerukonda Institute of Technology & Sciences (ANITS), Visakhapatnam
12. Vishnu Institute of Technology, AP
13. Sagi Rama Krishnam Raju Engineering College, Andhra Pradesh
14. GMR Institute of Technology (GMRIT), Andhra Pradesh
15. G. Pullaiah College of Engineering and Technology, Kurnool
16. Koneru Lakshmaiah Education Foundation, Guntur
17. Vignan's Institute of Information Technology, Visakhapatnam
18. Mohan Babu University, Tirupati, Andhra Pradesh
