GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
LOK SABHA
UNSTARRED QUESTION NO. 135
TO BE ANSWERED ON 07.12.2022

PROMOTION OF IT SCHEMES

135. SHRI NAKUL KAMAL NATH:
SHRI SUNIL KUMAR MONDAL:

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

(a) the details of the total number of programmes/schemes launched and implemented by the Government for the development of Electronics and Information Technology after 2014 till date, State/UT-wise, including in West Bengal;

(b) the details of these programmes/schemes which are still existing/renamed along with the future initiatives in this regard; and

(c) the allocation of budget to these schemes after 2014 till date?

ANSWER

MINISTER OF STATE FOR ELECTRONICS AND INFORMATION TECHNOLOGY
(SHRI RAJEEV CHANDRASEKHAR)

(a) and (b): Government of India's goal is to make India a significant Electronics System Design and Manufacturing hub as part of its Atma Nirbhar Bharat economic policies. In this regard, Government has taken several strategic steps and initiatives for broadening and deepening our electronic manufacturing ecosystem. The details of Pan-India Schemes are provided in **Annexure-I** and the details of State-wise Schemes are provided in **Annexure-II.**

(c): Allocation of budget to these schemes after 2014 till date:

Rs. in Crores

Schemes/Programmes	**Budget Estimates (after 2014 till date)**	**Revised Estimates (after 2014 till date)**
EMC 2.0	3762.25	3762.25
SPECS	2386	2386
PLI scheme for LSEM	40,995	40,995
PLI scheme for IT Hardware	7350	7350
Development of Semiconductors and Display Fab Ecosystem in India	0.00	200.00

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Annexure-I

Programmes/schemes launched and implemented by the Government for the development of Electronics and Information Technology after 2014 till date

1. National Policy on Electronics 2019: The National Policy on Electronics 2019 (NPE 2019) has been notified on 25.02.2019. The vision of NPE 2019 is to position India as a global hub for ESDM by encouraging and driving capabilities in the country for developing core components, including chipsets, and creating an enabling environment for the industry to compete globally.

To attract and incentivize large investments in the electronics value chain and promote exports, following three Schemes have been notified under the aegis of NPE 2019:

i. **Production Linked Incentive Scheme (PLI) for Large Scale Electronics Manufacturing** notified vide Gazette Notification No.CG-DL-E-01042020-218990 dated 01.04.2020 provides an incentive of 4% to 6% to eligible companies on incremental sales (over base year) involved in mobile phone manufacturing and manufacturing of specified electronic components, including Assembly, Testing, Marking and Packaging (ATMP) units.

Over the next 5 years, the 16 approved companies are expected to lead to **total production of more than INR 10,50,000 crore** (INR 10.5 lakh crore). Out of the total production of INR 10,50,000 crore in the next 5 years, around **60% is expected to be contributed by exports** of the order of INR 6,50,000 crore. The companies approved under the scheme are expected to bring an **additional investment** in electronics manufacturing to the tune of **INR 11,000 crore** and generate employment to the tune of **2 lakh direct jobs.**

After the success of the First Round of Production Linked Incentive Scheme in attracting investments in mobile phone and electronic component manufacturing, **Second Round of the PLI Scheme for Large Scale Electronics Manufacturing** was launched on 11.03.2021 **for incentivising specified electronic components**. Under the Second Round, incentives of 5% to 3% are being provided on incremental sales (over base year i.e. 2019-20) of goods manufactured in India and covered under the target segment, to eligible companies, for a period of four (4) years.

Over the next 4 years, the 16 approved electronic component manufacturers are expected to generate a **total production of up to INR 12,432 crore**. The Second Round of the Scheme is expected to bring an **additional investment** in electronics manufacturing to the tune of **INR 573 crore**.

ii. Production Linked Incentive Scheme (PLI) for IT Hardware which was notified on 03.03.2021. This scheme extends an incentive of 4% to 2% / 1% on net incremental sales of goods under target segments - Laptops, Tablets, All-in-One Personal Computers (PCs) and Servers. The total approved scheme outlay is ₹ 7,350 crore and 14 companies (Categories: IT Hardware Companies – 4, Domestic Companies – 10) and have been approved under the PLI Scheme including some major global brands EMS and OEMs.

iii. Scheme for Promotion of Manufacturing of Electronic Components and Semiconductors (SPECS) notified vide Gazette Notification dated April 01, 2020 provides financial incentive of 25% on capital expenditure for the identified list of electronic goods that comprise downstream value chain of electronic products, i.e., electronic components, semiconductor/ display fabrication units, ATMP units, specialized sub-assemblies and capital goods for manufacture of aforesaid goods. The Scheme is open to receive application till 31.03.2023.

Under the scheme, thirty Two (32) applications have been approved till 30.11.2022 with **total project outlay** of Rs.11,130 crore and **committed incentives** of Rs 1,519 crore. The total **employment generation potentia**l of the approved applications is 32,457.

iv. Modified Electronics Manufacturing Clusters (EMC 2.0) Scheme notified vide Gazette Notification No.CG-DL-E-01042020-218991 dated April 01, 2020 provides support for creation of world class infrastructure along with common facilities and amenities, including Ready Built Factory (RBF) sheds / Plug and Play facilities for attracting major global electronics manufacturers along with their supply chain to set up units in the country. The Scheme provides financial assistance for setting up of both EMC projects and Common Facility Centres (CFCs) across the country. The budgetary outlay of

the scheme is Rs. 3,762.25 crore for a period of 8 years from the date of its notification including initial period of 3 years for receipt of application.

v. Electronics Development Fund(EDF):
Electronics Development Fund(EDF) notified vide Gazette Notification No.8(9)/2011-IPHW dated January 06, 2015, Electronics Development Fund (EDF) is set up as a "Fund of Funds" to participate in professionally managed "Daughter Funds" which in turn provides risk capital to companies developing new technologies in the area of Electronics, Nano-electronics and Information Technology (IT). This fund is expected to foster R&D and innovation in these technology sectors. EDF enables creation of an ecosystem for providing risk capital to industry to undertake market driven Research and Development in these technology areas. It will, in the process, enrich the intellectual property in the country and encourage more entrepreneurs towards product and technology development.EDF has drawn Rs. 216.33 crore from its contributors, which includes Rs. 210.33 crore from MeitY. EDF is expected to invest in 8 Daughter Funds and the amount committed by EDF to these 8 Daughter Funds was Rs. 271.30 crore.

2. Modified programme for development of semiconductors and display manufacturing ecosystem in India:

In furtherance of the vision of Aatmanirbhar Bharat and positioning India as the global hub for ESDM, the Cabinet approved the comprehensive program for the development of a sustainable semiconductor and display ecosystem in the country with an outlay of ₹ 76,000 crore (>10 billion USD). The programme will usher in a new era in electronics manufacturing by providing a globally competitive incentive package to companies in semiconductors and display manufacturing as well as design. This shall pave the way for India's technological leadership in these areas of strategic importance and economic self-reliance. Following four schemes have been introduced under the aforesaid programme:

i) 'Modified Scheme for setting up of Semiconductor Fabs in India' for attracting large investments for setting up semiconductor wafer fabrication facilities in the country to strengthen the electronics manufacturing ecosystem and help establish a trusted value chain. The Scheme extends a fiscal support of 50% of the project cost on *pari-passu* basis for setting up of Silicon CMOS based Semiconductor Fab in India.
ii) 'Modified Scheme for setting up of Display Fabs in India' for attracting large investments for manufacturing TFT LCD or AMOLED based display panels in the country to strengthen the electronics manufacturing ecosystem. Scheme extends fiscal support of up to 50% of Project Cost on *pari-passu* basis for setting up of Display Fabs in India.
iii) 'Modified Scheme for setting up of Compound Semiconductors / Silicon Photonics / Sensors Fab / Discrete Semiconductors Fab and Semiconductor Assembly, Testing, Marking and Packaging (ATMP) / OSAT facilities in India' shall extends a fiscal support of 50% of the Capital Expenditure on *pari-passu* basis for setting up of Compound Semiconductors / Silicon Photonics (SiPh) / Sensors (including MEMS) Fab/ Discrete Semiconductor Fab and Semiconductor ATMP / OSAT facilities in India.
iv) 'Design Linked Incentive (DLI) Scheme' offers financial incentives, design infrastructure support across various stages of development and deployment of semiconductor design for Integrated Circuits (ICs), Chipsets, System on Chips (SoCs), Systems & IP Cores and semiconductor linked design. The scheme provides "Product Design Linked Incentive" of up to 50% of the eligible expenditure subject to a ceiling of ₹15 Crore per application and "Deployment Linked Incentive" of 6% to 4% of net sales turnover over 5 years subject to a ceiling of ₹30 Crore per application.

Details of various programmes/schemes undertaken by MeitY in West Bengal :

1. **Technology Incubation and Development of Entrepreneurs (TIDE 2.0 Scheme):** MeitY has initiated this scheme in the year 2019 to promote tech entrepreneurship through financial and technical support to incubators engaged in supporting ICT startups primarily engaged in using emerging technologies such as IoT, AI, Block-chain, Robotics etc. in seven pre-identified areas of societal relevance. The Scheme is being implemented through 51 incubators through a three tiered structure with an overarching objective to promote incubation activities at institutes of higher learning and premier R&D organisations, eventually leading to handholding of approximately 2000 tech start-ups over a

period of five years.The scheme has a total outlay of Rs 264.62 Crore over a period of 5 years. The state-wise list of incubation centres that are being supported under TIDE 2.0 scheme are annexed as Annexure-I.
Under TIDE 2.0 Scheme, 1 incubation centre namely **"IIM Calcutta Innovation Park"** is functioning as TIDE 2.0 centre in the State of West Bengal:

2. Technology Incubation and Development of Entrepreneurs (TIDE) Scheme: Technology Incubation and Development of Entrepreneurs (TIDE) Scheme was put in place by Ministry of Electronics and Information Technology (MeitY) in **year 2008** to promote innovation by nurturing startups in Information Technology, Communications & Electronics (ICTE) domain. Under the TIDE Scheme, financial assistance is provided to Institutions of Higher Learning to strengthen their Technology Incubation Centres for enabling young entrepreneurs to create technology startup companies for commercial exploitation of technologies developed by them. The scheme was initiated with an outlay of Rs 23.40 crores for supporting 15 TIDE centres, the scheme was expanded to include additional 12 TIDE centres in the year 2009 with an additional outlay of Rs 25.934 crores. Under the scheme, 27 TIDE Centres and 2 Virtual TIDE centres have been supported at institutes of higher learning all over India. **TIDE 1.0 scheme was formally closed on 31.03.2020.**

As currently TIDE 1.0 scheme was ended on 31.03.2020. In the state of West Bengal, one TIDE centre namely "Indian Institute of Technology, Kharagpur" was operated.

Details of various programmes/schemes undertaken by MeitY in Andhra Pradesh :

Centre of Entrepreneurship on Industry 4.0 at RINL Visakhapatnam:

The demand of Industry 4.0 products & solutions is going to rise exponentially in the backdrop of growing Industrial Automation. Strengthening domestic capabilities of Industry 4.0 products & solutions will take the domestic industry up the value-chain significantly by way of increase in products, patents & IPR. In order to boost start-ups in these fields, a Centre of Excellence in the field of Industry 4.0 (Artificial Intelligence, Machine Learning, Augmented Reality, Virtual Reality, Industrial Automation, Industrial Robotics, Industrial Drone, Industrial IoT, Industrial 3D Printing and other related technologies powered by AI) at RINL Visakhapatnam is being established. This CoE plans to nurture 175 startups over a period of 5 years. The project was approved on 14.10.2021. The total outlay of the project is Rs 20.32 Cr (MeitY contribution- Rs 8.32 Cr)

Details of various programmes/schemes undertaken by MeitY in Tamil Nadu :

iTamil Nadu Technology (iTNT) Hub in Chennai

In order to establish a Software products Cluster under NPSP, the 1st cluster titled iTamil Nadu Technology (iTNT) Hub in Chennai is being established. The primary objective of Tamil Nadu Technology Hub will be to nurture the deep tech innovation ecosystem in Tamil Nadu that can guide, develop, implement and support startups, especially in a scaling up phase in deep tech. iTNT Hub shall support 200 numbers of start-ups / accelerated in technology space preferably in deep tech/emerging tech over a period of five years. In addition to that 200 start-ups over a period of five years shall be supported in the hub and spoke model and provided acceleration and infrastructural service. The project was approved on 03.03.2022 for a period of 5 years, The total outlay of the project is 54.61 Cr (MeitY contribution 27 Cr).

BPO schemes:

To create employment opportunities and dispersal of IT/ITES industry in small cities and towns, Government had launched two BPO promotion schemes, namely North East BPO Promotion Scheme (NEBPS) and India BPO Promotion Scheme (IBPS) under Digital India Program in the year 2015 and 2016 with an outlay of Rs. 50 crore and Rs. 493 crore respectively. These schemes aim to incentivize setting up of BPO/ITES operations by providing 50% financial support up to ₹ 1 lakh per seat in the form of viability gap funding. The duration of IBPS and NEBPS was up to 31.03.2019 and 31.03.2020 respectively to invite new bids, however disbursement of financial support may go beyond this period as

per scheme timelines. Since the inception of these schemes, 246 units have setup BPO/ITES operations across 27 States/UTs of the country, providing direct employment to 51,492 persons. Out of these, 6 units have setup operations in West Bengal providing direct employment to 274 persons.

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Annexure-II

State/ UT-wise break up of 51 TIDE 2.0 Incubation Centres

Sl.	Name of the States	Name of the Incubation Centre
1.	Andhra Pradesh	1) Andhra Pradesh Innovation Society, Chittoor 2) Centre for Innovation Incubation & Entrepreneurship (CIIE), KL University, Guntur 3) Grameena Incubation Centre, Vishakhapatnam 4) IIM Visakhapatnam Incubation Center, Visakhapatnam 5) CIE IIIT Hyderabad (International Institute of Information Technology - Hyderabad Foundation) 6) Centre for Innovation and Entrepreneurship Development at IIITS, Sri City, Chittoor 7) Atal Incubation Centre - ALEAP We-Hub, Hyderabad (Association of Lady Entrepreneurs of India)
2.	Assam	Down Town Venture Labs, Assam Down Town University, Guwahati, Assam
3.	Bihar	Enterprising Zone, Patna
4.	Chhattisgarh	Atal Incubation Centre @36INC Society, Raipur
5.	Haryana	Amity Innovation Incubator, Gurugram
6.	Himachal Pradesh	IIT Mandi Catalyst, IIT Mandi
7.	Gujarat	1) Centre for Innovation Incubation and Entrepreneurship (CIIE), IIM Ahmedabad 2) International Centre for Entrepreneurship and Technology (iCreate), Ahmedabad 3) Gujarat University Startup and Entrepreneurship Council (GUSEC)
8.	Karnataka	1) KLE Centre for Technology Innovation and Entrepreneurship, KLE Technological University, Dharwad 2) **Nadathur S Raghavan Centre for Entrepreneurial Learning (NSRCEL), IIM Bangalore** 3) Society for Innovation & Development (SID), IISc Bangalore 4) Bio Incubator at C-CAMP, Centre for Cellular and Molecular Platforms, Bengaluru 5) Dayananda Sagar Entrepreneurship Research & Business Incubator (DERBI) Foundation, Bengaluru 6) IIITB Innovation Centre (International Institute of Information Technology Bangalore - Innovation Centre
9.	Kerala	Maker Village-Kochi, IIITM-Kerala
10.	Madhya Pradesh	Technology Innovation and Incubation Centre (TIIC), Atal Bihari Vajpayee Indian Institute of Information Technology & Management (ABV-IIITM), Gwalior
11.	Maharashtra	1) Society for Innovation and Entrepreneurship (SINE), IIT Bombay 2) Sandip Technology Business Incubator (TBI), Sandip University, Nashik 3) AIC-Pinnacle Entrepreneurship Forum, Pune
12.	Odisha	1) KIIT Technology Business Incubator (KIIT-TBI), KIIT, Bhubaneswar 2) Foundation for Technology & Business Incubation (FTBI), NIT

		Rourkela
13.	Punjab	Science & Technology Entrepreneurship Park, Thapar Institute of Engineering & Technology (TIET), Patiala
14.	Rajasthan	1) Pilani Innovation and Entrepreneurship Development Society, BITS Pilani 2) Atal Incubation Centre, Banasthali Vidyapith, Tonk 3) IIM Udaipur Incubation Centre, Udaipur 4) JECRC Incubation Centre (JECRC University, Jaipur)
15.	Tamil Nadu	1) FORGE Accelerator (Coimbatore Innovation Business Incubator), Coimbatore 2) PSG Science and Technology Entrepreneurial Park (PSG-STEP), PSG College of Technology, Coimbatore 3) OASYS Institute of Technology, Anna University, Tiruchirapalli 4) Vel Tech Technology Business Incubator, Vel Tech Institute of Science and Technology, Tiruvallur 5) IITM Incubation Cell (IIT Madras Incubation Cell) 6) Vellore Institute of Technology-Technology Business Incubator (VITTBI)
16.	Telangana	1) SR Innovation Exchange, Warangal Affiliated to JNTU, Hyderabad 2) Atal Incubation Centre - Centre for Cellular & Molecular Biology (AIC-CCMB), Hyderabad 3) i-TIC Foundation, IIT Hyderabad
17.	Uttarkhand	TIDE Business Incubator, IIT Roorkee
18.	Uttar Pradesh	1) **Startup Incubation and Innovation Centre (SIIC), IIT Kanpur** 2) **ABES Engineering College, Ghaziabad** 3) Krishna Path Incubation Society (Technology Business Incubator) KIET,Ghaziabad
19.	West Bengal	IIM Calcutta Innovation Park, Kolkata
	Union Territory	
1.	Delhi (NCT - National Capital Territory)	1) **Foundation for Innovation and Technology Transfer(FITT), IIT Delhi** 2) **Delhi Innovation & Incubation Centre, IIIT Delhi**
2.	Chandigarh	**Chitkara Innovation Incubator Foundation (CIIF), Chitkara University, Chandigarh**
3.	Jammu and Kashmir	**NewGen IEDC Business Innovation and Incubation Centre, University of Kashmir, Srinagar**

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