

GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
LOK SABHA
UNSTARRED QUESTION NO. 2801
TO BE ANSWERED ON 15.12.2021

ELECTRONIC MANUFACTURING CLUSTERS

2801. SHRI RAJAN VICHARE:

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

- (a) the details of the total number of Electronic Manufacturing Clusters (EMCs) sanctioned in the country and the list of projects sanctioned for the State of Maharashtra;
- (b) the details of each cluster sanctioned in the State of Maharashtra in terms of investment received, employment generated (direct, indirect), etc.;
- (c) the details of major electronics manufacturing companies setting up units in the State of Maharashtra; and
- (d) the details of present position of electronic manufacturing in the State of Maharashtra and its future potential?

ANSWER

MINISTER FOR ELECTRONICS AND INFORMATION TECHNOLOGY
(SHRI ASHWINI VAISHNAW)

(a) and (b): Government of India has taken strategic steps and initiatives to broaden and deepen the electronics manufacturing sector in the country and make India global electronics manufacturing hub. Ministry of Electronics and Information Technology (MeitY) notified Electronics Manufacturing Clusters (EMC) scheme in October, 2012 to provide support for the creation of world-class infrastructure along with common facilities and amenities for attracting investments in the electronics sector. Under Electronics Manufacturing Clusters (EMC) scheme, **Nineteen (19) Greenfield Electronics Manufacturing Clusters** and **Three (3) Common Facility Centres (CFCs)** accorded approval in Fifteen (15) states across the country.

These projects include **Two (2) Common Facility Centres (CFCs) in State of Maharashtra** which are targeted to serve the requirement of Common Testing Facilities for electronics manufacturers in and around the Pune and Aurangabad region in the State. The details of these EMCs/CFCs are enclosed at **Annexure-I**.

Based on further requirement for strengthening of infrastructure for creation of robust electronics manufacturing ecosystem in the country, MeitY introduced Modified Electronics Manufacturing Clusters (EMC 2.0) Scheme on 1st April, 2020. Its objective is to provide infrastructure support for attracting major electronics manufacturers along with their supply chain to set up their production facility in the country through such clusters.

Under EMC/ EMC 2.0 scheme, no application for establishment of Electronics Manufacturing Cluster in the State of Maharashtra has been received so far.

(c) and (d): Maharashtra has emerged as one of the major preferred destinations for electronics manufacturing and has witnessed substantial growth in the electronics System Design and Manufacturing (ESDM) Sector. The State is sharing about 18% of total electronics manufacturing production in the country. 77 companies have established their operations in the State and taking benefits from **Modified Special Incentive Package Scheme (M-SIPS), Scheme for Promotion of Manufacturing of Electronic Components and Semiconductors (SPECS) and Production Linked Incentive (PLI) Scheme** of Government of India. List of such companies approved under MSIPS, SPECS and PLI is enclosed at **Annexure-II, III & IV**. To boost the electronics manufacturing production and generate employment, the State has amended its Electronics Policy, 2016 to extend the benefits upto 2023 and has linked it with the new SPECS and PLI Schemes of the Govt. of India.

Annexure-I

S.No.	State	Location	Area (Acres)	Implementing Agency	Financial Outlay (Rs. in crore)	
					Project Cost	Grant-in-aid
1	Andhra Pradesh	Sri City, Satyavedu Mandal, Chittor District	94	Sri City EMC Pvt.. Ltd.	56.75	27.34
2		EMC-1@ Tirupati, Renigunta and Yerpadu Mandal , Chittor District	113.27	Andhra Pradesh Industrial Infrastructure Corporation Ltd. (APIIC)	104.41	46.53
3		EMC-II @ Tirupathi, Vikruthamala Village, Yerpadu Mandal, Chittor District	501.40		339.8	111.42
4	Assam	Bongora, Kamrup District, Assam	100	Assam Electronics Development Corporation Limited (AMTRON)	119.85	50
5	Chhattisgarh	Sector-22, Naya Raipur	116.48	Chhattisgarh State Industrial Development Corporation ltd. (CSIDC)	103.88	43.08
6	Goa	Tuem, North Goa District	147.55	Department of IT, Government of Goa	161.32	73.77
7	Gujarat	Mundra, Kutch District	631.38	Mundra Solar Techno park Private Limited (MSTPL)	745.14	315.69

8	Jharkhand	Adityapur, Saraikela-Kharsawan District	82.49	Jharkhand Industrial Area Development Authority (JIADA)	97.88	41.48
9	Kerala	Kakkanad , Ernakulam District	66.87	Kerala Industrial Infrastructure Development Corporation (KINFRA)	140.01	50
10	Madhya Pradesh	Badwai-Bhopal	50	Madhya Pradesh State Electronics Development Corporation Ltd.(MPSEDC)	47.19	20.86
11	Madhya Pradesh	Purva-Jabalpur	40		38.57	17.76
12	Odisha	Infovalley, Bhubaneswar Industrial Area, Khurda District	203.37	Odisha Industrial development Corporation (IDCO)	200.76	93.09
13	Rajasthan	Salarpur Industrial Area, Khushkera, Bhiwadi	50.3	ELCINA Electronics Manufacturing Cluster Pvt.. Ltd (EEMCPL)	46.09	20.24
14		Karoli Industrial Area, Bhiwadi, District-Alwar	121.51	Rajasthan State Industrial Development & Investment Corporation Ltd. (RIICO)	78.98	31.68
15	Telangana	E-city, Hyderabad	603.52	Telangana State Industrial Infrastructure Corporation (TSIIC)	667.6	252.42
16		Maheshwaram, Ranga Reddy	310.70		436.97	138.6
17	Uttar Pradesh	Ecotech-VI Industrial Area, Greater Noida	99.41	TEGNA Electronics Pvt.. Ltd. (TEPL)	115.32	50
18	West Bengal	Falta , South 24 Parganas District	58.04	West Bengal Electronics Industry Development Corporation Limited (WEBEL)	58.86	25.64
19	West Bengal	Naihati, North 24 Parganas district	70		58.31	25.7
20	Karnataka (CFC)	Hebbal Industrial Area, Mysore	1.50	Mysore ESDM Cluster	48.53	32.31
21	Maharashtra	Shendra Industrial Area, Aurangabad District	1.98	Deogiri Electronics Cluster Private Limited (DECPL)	28.57	20.58

22		Pimpri Industrial Area, Pune	0.61	MCCIA Electronic Cluster Foundation (MECF)	67	50
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Annexure-II

S. No	Name of Company	Project Location	Product	Proposed Investment (Rs. crore)	Approved Incentives (Rs. crore)
1	LG Electronics India Pvt. Ltd	Pune	Refrigerator	531.92	62.55
2	Liebherr Appliances India Private Limited	Aurangabad	Refrigerators	837.31	85.5
3	Haier appliances India (P) Ltd	Pune Maharashtra	Refrigerator, washing machine, AC, LED TV	490.28	104.92
4	Jabil Circuits India Pvt. Ltd	Pune	Set Top Boxes, MiFi, Home Gateway, STB, Dongles, PCB	103.64	36.27
5	Jabil Circuits India Pvt. Ltd	Pune	EMS	105.90	28.89
6	LG Electronics India Pvt. Ltd	Pune	Plasma Display LED TVs	721.46	56.94
7	Siemens Limited	Thane	Contactors and Contactor Relays	80.03	19.87
8	Shogini Technoarts Pvt. Ltd	Pune	PCBs	174.88	9.35
9	Harman International India Private Limited US Company	Pune	Infotainment Audio System	134.27	6.79
10	Minda Kateloc Electronics Services Private Limited	Pune	PCBA	65.75	7.48
11	TE Connectivity India Pvt. Ltd	Pune	Connectors, Terminals, Fuse and Relay Boxes, cable assemblies, headers, component assemblies	155.60	5.54
12	LG Electronics India Pvt. Ltd	Pune	Fully automatic washing machine	177.60	10.04
13	Aurangabad Electricals Ltd	Aurangabad	ECU Covers	56.14	5.95
14	Alcon Electronics Pvt. Ltd	Nashik	Capacitors	17.14	3.82
15	Elcom International(P) Limited	Kolhapur	Switch, connector, power cords, solar connectors, fuse holder, DIN Connector, LED Holders, Terminals, Universal Adaptors, IEC connectors, Indian sockets, knobs &	16.84	4.1

			caps, Nema connectors and RFI/EMI filters etc		
16	Novasys Greenergy Private Limited	Nagpur	Solar photovoltaic modules	82.32	3.73
17	Epitome Components Ltd (Epitome Components Private Limited)	Ahmednagar	Single Side PCB, Double Side with RF PCB	75.21	3.41
18	Sedemac Mechatronics Private Limited	Pune	ECU	12.50	3.93
19	Desai Electronics Pvt.. Ltd. (Application -II)	Pune	Plastic Film Capacitors	55.00	2.46
20	Robonik India Pvt. Ltd	Thane	Biochemistry Analyser, ELISA, Coagulation, Urine Analyser, Electrolyte Analyser	21.19	4.76
21	Smart Card It Solutions Ltd	Pune	Smart Card, ID cards, GSM Cards, Banking Cards	30.11	5.33
22	Desai Electronics Pvt. Ltd. (Application- I)	Pune	Plastic Film Capacitors	16.00	3.85
23	Corning Technologies India Private Limited	Pune	Optical Fibre	1701	197.91
24	Midea India Private Limited	Ahmednagar	Fully automatic washing machines Refrigerators	374.26	79.5
25	Carrier Midea India Private Limited	Ahmednagar	Variable Refrigerant Flow (Commercial air conditioners), Room Air Conditioner	404.29	75.34
26	Jindal Polyfilms Limited	Nasik	Bi-axially Oriented Poly-Propylene Capacitor Grade Di-Electric Films	750	52.76
27	Hengtong Optic Electric India Private Limited	Pune	Optical Fibre and Optical Fibre Cables	624.69	47.15
28	Jabil Circuit India Private Limited	Ranjangaon, Pune	Mobile Chargers, Set Top Box, Mobile and Mobile Accessories, Radio Units and PCBA	756.88	44.66
29	Whirlpool of India Limited	Pune	Single door direct cool refrigerators, double door frost free refrigerator and front load fully automatic washing machine	587.05	39.74

30	Endress and Hauser Flowtec India Private Limited	Aurangabad	Flow Meter	245.25	37.01
31	Minda Industries Limited	Pune	Sensors	150	34.45
32	Varroc Engineering Limited	Pune	PCBA	197	21.84
33	Topband India Private Limited	Pune	EMS for PCBA	134.44	21.42
34	Bel Optronics Devices Limited	Pune	Image Intensifier Tubes (XD-4 and XR-5)	210.31	21.32
35	Minda Stoneridge Instruments Limited	Pune	Instrument Cluster and Sensor	140.86	20.89
36	Epitome Components Private Limited	Ahmednagar	Phase-I: PCB, Phase-II: Lithium Ion Batteries Cells, Lithium Ion Batteries Pack	300	20.71
37	MSS India Private Limited	Nashik	Light Emitting Diodes (Assembly) based Products, Capacitors, Connectors & Parts and Small Precision Plastic & Metal Parts	147.88	19.96
38	Emitec Emission Control Technologies India Private Limited (New Name: Vitesco Technologies India Private Limited)	Pune	Nitrogen Oxide (NOX) Sensor, High Temperature Sensors (HTS), M4A-Electronic Control Unit (ECU), Door Handling Sensor (DHS), Knock Sensor for automobile sector	285.1	16.77
39	Kabra Extrusiontechnik Limited	Pune	Lithium-ion Battery with Battery Management System (BMS)	198.89	15.93
40	TE Connectivity India Private Limited	Pune & Satara	Terminals, Fuse and Relay Boxes, Cable Assemblies, Headers, Component Assemblies, Sensors, ABS Modules, USB Cable Assembly, Connectors	150	10.99
41	Frontline Electronics Limited	Pune	Solenoid Assemblies, Electronic assemblies for agriculture equipments like pumps, PCBA	90.37	10.5

42	TDK India Private Limited (EPCOS India Private Limited)	Nashik	DC Capacitors	65.15	9.58
43	OEN India Limited	Pune	Micro relays, Mini relays, Solenoids, Sensors, Power relays	62.13	9.49
44	Endress And Hauser India Automation Instrumentation Private Limited	Aurangabad	Level & Pressure measuring equipment	43.91	9.09
45	Amphenol Interconnect India Pvt Ltd	Pune	Connectors and parts of connector	99.69	8.82
46	Star Engineers (I) Pvt. Ltd.	Pune	Regulator rectifier, controlling device for ignition, Flasher, Sensor, controller	29.98	8.53
47	Inteva Products India Automotive Private Limited	Pune	Brushed DC Motor	41.00	5.38
48	Minda Industries Ltd	Pune	2W BCM; 2W Navigation; 4W MF ECU; AIS 140; BCM; Fleet Management; ITS; UBI ; Wireless Charger	30	5.38
49	Belden India Private Limited	Pune	Industrial Switches, Patch Cords and Cables	260	5.08
50	BG LI IN Electricals Limited	Aurangabad	Electromechanical components including Buzzer, Switches, E-Thermostat, LED lamps with Harness, Defrost Heater, AC Terminal Box, LED Bulb Socket and Water Inlet Valve/Solenoid Valve for white goods industry	40.58	4.69
51	Radix Electrosystems Pvt. Ltd	Thane	Flow transmitters controllers and other products, 2,099 Energy Meters Panel Meters Other Electric meters 28,600 Protection and Monitoring Relays 12,375 Gas Detection Products	82.41	4.67

			1,238 Communication Converters and Gateways 3,403 Building Management System Products 35,282 Temperature and Process Controllers and Indicators 74,442 Isolators Transmitters IO modules 58,772 SCR Power Controllers 1,581 Level transmitters controllers and other products 16,706 GPRS and GPS wireless products 2,656 Zigbee Wireless Communication Products 1,998		
52	TDK India Private Limited (EPCOS India Private Limited)	Nashik	AC Capacitors	74.30	4.56
53	Selec Controls Pvt.. Ltd	Navi Mumbai	Multifunctional meter, Energy meter, Digital voltmeter, Digital ammeter, VAF meters, Power factor meters, Frequency meters, Human Machine Interface (HMI),Programmable Logic Controller (PLC), Temperature controllers, Process indicators, Counters, Protection & time relays Analog timers	91.03	4.38
54	Electrolab India Private Limited	Navi Mumbai	Testing Apparatus for Medical Applications	117	3.84
55	GKN Fokker Elmo India Private Limited	Pune	Wiring Harness (for aerospace market)	83.6	3.38
56	Sedemac Mechatronics Private Limited	Pune	Integrated Starter Generator (ISG) ECU	41.74	3.36

57	Renu Electronics Pvt.. Ltd.	Pune	Automation Products - Human Machine Interfact (HMI), Programmable logic controller (PLCs)	19.52	3.08
58	Behr Hella Thermocontrol India Private Limited	Pune	Printed Circuit Board Assembly	12.9	2.53
59	Sedemac Mechatronics Private Limited	Pune	Printed Circuit Board Assembly (PCBA) for Voltage Regulator and Rectifier (VRR), Transistor Control Igniter (TCI), Flasher, ISG (Integrated Starter Generator)	11.51	2.44
60	Evolute Solutions Pvt. Ltd	Thane	Adaptors,Chargers, Battery Operated Power Supplies (BOPS), Lithium Ion Battery Packs, Bluetooth Printer, Hand Held Terminal, Home Lighting Systems, Street Lighting Systems, LED, Drivers Portable ECG Machines	16.19	2.34
61	Motion Drivetronics	Navi Mumbai , Thane	Stepper Motor	37.82	1.44
62	Nitiraj Engineers Limited	Dhule	Electronic Weighing Scale, Electronic Fare Meter and Electronic Currency Counting machine	23.17	1.32
63	FineLine Circuit Limited	Andheri Mumbai SEZ	PCB (Bare complex)	27.17	1
64	Rishabh Instruments Pvt. Ltd	Nashik	DG Set Controller, Low Voltage CT/PT, Power Factor Controller, Programmable AC/DC power supply, Solar Converter and Temperature Controller	250.76	0
65	Sterlite Technologies Limited	Aurangabad	Optical Fiber cable and Optical Fiber	1006.14	234.6
66	TATA Power SED	Andheri, Mumbai	Telecom products, Strategic Electronics, Avionics, Industrial Electronics, Opto	2127.00	90.97

			Electronics, Power supplies for ESDM products		
67	Amphenol Interconnect India Private Limited	Pune	Connectors and part of connectors	194.82	21.29
68	Delphi Automotive Systems Pvt. Ltd	Pune	Body control Module, Engine Control Module, Immobiliser, rear view camera, radio, cluster, antenna, driver information system, wiring harness	201.35	12.08
69	Amber Enterprises India Pvt. Ltd	Pune	Refrigerator	342.25	0

Annexure-III

S. No	Name of Company	Project Location	Product /Vertical	Proposed Investment (Rs. crore)	Approved Incentives (Rs. crore)
1	Epitome Components Pvt. Ltd.	Ahmednagar	Printed Circuit Board (PCB)	13.32	3.14

Annexure-IV

Second Round of PLI Scheme for Large Scale Electronics Manufacturing for Specified Electronic Components

S. No.	Name of the Company	Product Segment	Project Location
1	TDK India Private Limited	Electronic Components	Nasik
2	Vitesco Technologies India Private Limited	Electronic Components	Pune
3	Epitome Components Private Limited	Electronic Components	Ahmednagar
4	Vishay Components India Private Limited	Electronic Components	Pune
5	Shogini Technoarts Private Limited	Electronic Components	Pune
6	Alcon Electronics Private Limited	Electronic Components	Nasik

7	Desai Electronics Private Limited	Electronic Components	Pune
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