

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 |
|----|--|------------------------------|------|--|----|----|

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 |
|---|-----------------------------------|-----------------------|------|
