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GOVERNMENT OF INDIA
Department of Electronics
and Information Technology (DeitY)
Ministry of Communications
& Information Technology

ELECTRONICS e-NEWSLETTER

.... For Electronics System Design & Manufacturing (ESDM) Sector

Year 3 | Vol. 15: Jan 2013

- **Guidelines for Brownfield EMC under M-SIPS**
- **Minister Sibal urges industry to invest in ESDM**
- **50% of Laptop PCs and Tablet PCs under PMA**
- **PM emphasized need for Innovation**

From Chief Editor's Desk

Dear Readers,

I write this editorial from San Jose, California in the USA. We are here in a delegation led by Shri Kapil Sibal, Hon'ble Minister of Communications and IT promoting investments in Electronics System Design and Manufacturing sector. Earlier this month, the Minister had a Round Table with industry captains in New Delhi to discuss opportunities in automotive electronics, medical electronics, avionics and LED sectors. Next month, the Minister is leading another delegation, comprising of industry representatives, State Government representatives and Central Government officials to Japan, with a similar agenda. The catchline which aptly represents the sectors was released- "Electronics India-Billion Needs, Million Chips". Bosch Automotive announced its intent to scale up its investments in India and formally handed over the first Modified SIPS application. The action has begun.

The initial responses to the interactions with industry have been extremely positive. Several people talk of why the new sunrise took so long to happen. They find the growth of electronics system design and manufacturing in India, as much a need for the world as much for India. Signs of new patterns of cooperation and collaboration amongst companies, sectors, and countries are slowly getting formed.

Hon'ble Prime Minister spoke about the need for innovation and product development in his address at the National Science Congress in Kolkata. This is extremely relevant to Electronics sector. Progress over the last month has been the finalization of the Expression of Interest (EoI) for a Conditional Access System for Set Top Boxes. The EoI marks a first of its kind initiative, to address the challenge of development of an electronic product, in a PPP mode, with a predefined terms and conditions with regard to the product being developed and the rights of the developer to share the benefits of the developed product. Similar model is proposed to be used for other electronic products. On cards are several medical electronics devices, CAREL products and others. Innovation for India would be the buzz word. Industry, Industry associations, IITs, other academic institutions, research organizations, all have a very important role to play in this effort. Expect greater action on this front in the coming months.

Lastly, leave you with this thought which Shri Kapil Sibal remarked in his interactions with industry. "For India it is not a matter of choice. In another ten years, the average age of India would be 29 years. There is need to provide employment to all these young Indians. And the jobs are going to come from manufacturing-electronics manufacturing". Ever thought what would happen if India does not create the jobs for all these young people?

Dr. Ajay Kumar

- Guidelines for Brownfield EMC under M-SIPS
- 50% of Laptop PCs and Tablet PCs under

Guidelines for notifying Brownfield Electronics Manufacturing Clusters under M-SIPS

The Department of Electronics and Information Technology has issued the Guidelines for notifying Brownfield Electronics Manufacturing Clusters (EMCs). Brownfield EMCs are locations with existing electronics manufacturing activity. The Government had notified Modified Special Incentive Package Scheme (M-SIPS) wherein up to 25% subsidy is available to eligible electronics manufacturing units located in EMCs. The current Guidelines are consequential to the said policy pronouncement and enables identification of Brownfield EMCs wherein the M-SIPS benefit would be available.

As per these Guidelines, a Brownfield EMC shall be, as far as practicable, a contiguous area wherein the collocated Electronics System Design and Manufacturing (ESDM) units have potential synergies and positive externalities. Units within a proposed Brownfield EMC may produce same or related ESDM products or services and/or use a similar input or share similar processes which help create synergies and positive externalities across them.

The scheme recognizes that some Brownfield EMCs may be compact with individual units located over a small and more manageable area and others where individual constituent units are spread out and dispersed over a large area. Typically a proposed Brownfield EMC may have an aggregate annual turnover of at least Rs. 1000 Crore and a minimum of 7 units. The units in Brownfield EMCs may require technical advice and assistance and, therefore, access to scientific, academic and R&D institutions is also desirable.

Application for notifying Brownfield EMC is available as Annexure-1 of these guidelines. DeitY welcomes application for identifying and notification of the Brownfield Electronics Manufacturing clusters with immediate effect. Copy of these guidelines is available at Department of Electronics and Information Technology's website, www.deity.gov.in.

50% of Laptop PCs and Tablet PCs to be procured from Domestic Manufacturers

DeitY has notified Laptop PCs and Tablet PCs under the Policy for providing preference to domestically manufactured electronic goods. As per the notification issued on Jan 22, 2013, 50% of the Laptop PCs and Tablet PCs procured by Central Government Departments and their agencies shall be from domestic manufacturers, subject to the domestic products matching L1 and technical requirements. The notification comes into effect immediately. In addition, DeitY has also separately addressed all Secretaries of Central Ministries/Departments to give effect to this order immediately.

As per the said notification, for the Laptop PCs to qualify as domestically manufactured, 25% of the value addition should be domestic in Year I. In case of and Tablet PCs, it is to be 30%. For customized Tablet PCs / handheld devices based on Tablet technologies which involve additional (or different) accessories / components, the Department may issue a separate Notification.

The value-addition requirement increases 5% every year thereafter. The Year 1 for the purpose of this notification shall be up to March 31, 2014. The notifications are also available at DeitY website www.deity.gov.in. The implementation of this notification will be based on overall policy approved in this regard on February 10, 2012. DeitY is the nodal Department to oversee implementation of the policy.

Industry is welcome to bring to the notice of the Department any incidence of non-implementation of the said notification by the procuring Central Ministries/Departments. For further details contact Shri S.K. Marwah, Additional Director, DeitY (Email: smarwah@mit.gov.in).

- "Electronics India- Billion Needs, Million Chips"
- Bosch applied for incentives under MSIPS

Minister Sibal urges industry to invest in Electronics

A Round Table was held to discuss the new National Policy on Electronics under the chairmanship of Shri Kapil Sibal, Hon'ble Minister of Communications & IT on January 21, 2013 New Delhi. The Round Table focused on implementation of policy in Avionics, Automotive Electronics, Medical Electronics, LED sectors. Over 50 top industry leaders participated in the Round Table. Shri J Satyanarayana, Secretary, Department of Electronics and IT, Shri Pradeep Rawat, Director General, India-Taipei Association, Shri Ajay Choudhary, Founder HCL and Dr. Jagdish Prasad, DG Health Services, Ministry of Health & Family Welfare also participated.

Speaking on the occasion, Shri Sibal said, "The common perception about electronics is sometimes that it relates to IT, telecom and consumer electronics. But electronics is a meta resource which pervades practically all sectors of economy. Therefore, the new policy framework has been specifically formulated to cover sectors like avionics, automotive electronics, medical electronics, LEDs."

Exhorting the automobile manufacturers to use domestically develop greater capabilities in automotive electronics, he said that Electronics can drive fuel efficiency and reduce accident hazards and need to meet the price points of economy cars in the Indian perspective. Automotive electronics manufacturers can customize their control units to suit these requirements and the percentage of automotive electronics would increase significantly. He also highlighted the opportunities in the Avionics sector. The demands of both passenger aircraft and defense and homeland security are huge. Based on India's fleet of aircraft, India could become a regional hub for maintenance, repair and overhaul of aircrafts.

He specifically emphasized on the area of Medical electronic devices as an area of huge potential. India needs to develop devices which would meet the needs of 1.25 billion people. Currently a very small fraction of the population is able to take advantage of the medical technology. We need devices which suit Indian diseases, Indian operating conditions of temperature, humidity, dust etc. Government is already in the process of bringing out amendments in the legal framework to create standards for medical devices. This will help new devices to arrive in the market much faster. Shri Satyanarayana said that the Department of Electronics and IT will be supporting the development of new medical electronic devices in a public private partnership model.

The Minister also released the catch line for the ESDM sector. The tag line is "Electronics India- Billion Needs, Million Chips". Releasing the catchline, the Minister said, "The catch line reflects the huge size of the Indian market and its innovative capabilities. These are the USPs on which we are marketing India as the new destination for investments in Electronics System Design and Manufacturing."

The Minister also received the first major investment proposal under the new Electronics Policy. M/s Bosch Automotive Electronics India (P) Ltd., submitted their MSIPS application for an investment of Rs 550 Crores in a manufacturing facility in Bengaluru. The first application has been received within days of the final guidelines being issued by the Department for receiving MSIPS applications. Welcoming the investment, Minister said that we expect many others to also take advantage of the policy and make their investments.

Industry leaders from leading companies like, Boeing, Airbus India, BOSCH, General Motors, Tata Motors Limited, Infineon, SonoSite, BMW India, Smarton, MIC Electronics Limited, Continental Automotive, Philips Electronics, Cadaence, DEKI Electronics, Hindustan Aeronautics Limited, Nichia and Hewlett Packard and representatives of LEDMA, IEEMA, CII, ISA, ELCINA, FICCI, ASSOCHAM also participated in the discussion. The Industry expressed confidence in the initiatives brought by the Government for promoting investment in the ESDM sector and early signs are very positive.

- 10Gbps Network Routers Deployed
- PM emphasized need for Innovation

IIT Bombay developed 10Gbps Carrier Ethernet and Optical Transport Network Routers Successfully Deployed

January 4, 2013 was a red letter day for Indian Electronics Design work. The locally designed and developed 10 Gbps Ethernet and Optical Transport Network Router was successfully deployed on the Railtel link from Mumbai to Pune earlier this month. Prof. Ashwin Gumaste, and his team at Department of Computer Science and Engineering, Indian Institute of Technology, Bombay has designed and produced these routers. It is big first for design and development of network equipment in India, an industry and technology dominated by global leaders. The project details were earlier covered in February issue of the Electronics e-Newsletter. Well done Prof Gumaste.

For more details, contact Prof. Ashwin Gumaste, email: ashwing@ieee.org.

ISA Vision Summit: Feb 14-15, 2013

ISA Vision Summit is planned for Feb 14-15, 2013 at Bengaluru. The event is being supported by the Department of Electronics and IT. The theme of the summit is "Electronic Systems Design and Manufacturing (ESDM) Sector-2020: Product Innovation, Global Collaboration & Policy Initiatives".

ISA Vision Summit is an annual event organized by Indian Semiconductor Association (ISA) where industry and other stakeholders come together to present their views and vision for the ESDM industry. Potential business opportunities, technology trends, success stories, best practices, business models are shared and issues related to benefit of the existing Government policies driving the ESDM industry in India are discussed.

As the Government of India has announced various policies and incentives packages for this sector, ISA is enthusiastic that participants may like to discuss these in detail. For more details, contact Shri Gaurav K Punjabi (Email: vs@isaonline.org).

100th Indian Science Congress: PM emphasized need for Innovation

The Prime Minister, Dr. Manmohan Singh, addressed the Indian Science Congress, in Kolkata on Jan 3, 2013. Theme of this Congress is, 'Science for Shaping the Future of India'. Mentioning that, a holistic organizational approach is essential, he said, "There was a time when science took a lonely road, driven by individual enterprise rather than collective effort. This is sub-optimal in the innovation and knowledge-intensive world that is empowering the growth process today. We need cross-fertilization of disciplines and synergy among stakeholders. Government-sponsored research must be supplemented by research in private labs. Academic and research systems must foster innovation and entrepreneurship and therefore link up with those interested in commercial development."

He said that the Government has created new mechanisms like Innovation Complexes, Technology Business Incubator and Innovation Universities in an effort to bring about convergence of interests among the various players in science. Given that science-led innovation is the key to development, the National Innovation Council has also brought the domain of innovation to the foreground, helping translation of knowledge into usable solutions.

In this context, Electronics Development Fund as provisioned in the National Policy on Electronics 2012 will help Entrepreneurs and Innovators in the ESDM sector to reach out to masses in India and like countries by providing innovative products.

Four Labs Recognized for Testing of Electronics Products

"Electronics and Information Technology Goods (requirements for Compulsory Registration) Order, 2012" has been notified and comes into effect from 03 April 2013. The Compulsory Registration requires testing of these notified goods to be performed at BIS recognised labs. BIS has recognized four labs covering Consumer Electronic Products, IT Equipment, Microwave Ovens and Electronic Clocks for the purpose. The testing facilities approved at these labs largely are as under:

#	Laboratory	Testing Facilities
1	Electronics Regional Test Laboratory (West), Mumbai	IS 616: 2010, IS 12352 (Part 1): 2010
2	Electronics Test & Development Centre, Bengaluru	IS 616: 2010, IS 13252 (Part 1): 2010, IS 302-2-25: 1994, IS 302-2-26: 1994
3	UL India (P) Ltd., Bengaluru	IS 13252 (Part 1): 2010
4	Electronics Regional Test Laboratory (North), New Delhi	IS 616: 2010, IS 13252 (Part 1) 2010

More laboratories are expected to be notified in due course. Laboratories from all regions of the country are invited to send their registration requests to BIS under intimation to DeitY.

• Draft Guidelines for Series Approval of Products for Mandatory Registration of Electronic Goods

Draft Guidelines for Series Approval of Products for Mandatory Registration of Electronic Goods

"Electronics and Information Technology Goods (requirements for Compulsory Registration) Order, 2012" has been notified and comes into effect from 03 April 2013. With the implementation of above mentioned order, the manufacturers are required to register themselves and their products with BIS. However, there are a group of products which have minor difference, mostly cosmetic in nature, but still identified differently by model numbers. In order to economise the effort required by complying with the requirements of the aforesaid order, a Draft of Guidelines for Series Approval of Products for Implementation of "Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012" have been prepared and circulated to industry for comments. The salient aspects of the draft guidelines are as follows.

Salient Features of the Draft Guidelines

A. Definition of Product Family: A product family can be defined by the maximum configuration of components / sub-assemblies plus a description of how the models are constructed from the maximum configuration using these components and sub-assemblies. All models which are included in the family typically have common design, construction, parts, or assemblies essential to ensure conformity with applicable requirements. If a product standard defined a product family, in the context of the specific standard, this definition takes over."

B. General Guidelines for Quantitative Selection of Samples for approval of series: For equipment, the range of products shall be classified according to variation in basic design.
   a. Number of samples picked up from series could be one in case of series consisting of three models.
   b. It shall not be less than two types for a series consisting of up to five models.
   c. It shall be three types for a series of containing more than five models.
   d. Worst case configuration from Safety Design consideration must be picked up for testing.

C. Specific Guidelines for products are as under:

1. Electronic Games (Video):

Series 1: Hand held consumable non-rechargeable battery

Same Power supply layout

- Same chasis
- Same power requirement and size / type of battery

Series 2: Rechargeable battery with external charging facility

Same chasis

- Same re-chargeable battery
- Same Charger

Series 3: Mains operated with internal re-chargeable battery

Same mains layout

- Same enclosure
- Same chasis
- Same re-chargeable battery
- Same processor / speed

Series 4: Mains operated - without battery

Same mains layout

- Same enclosure
- Same processor / speed

2. Laptop / Notebook / Tablets: Here the series will be governed by:

Same Power Adaptor

- Same enclosure
- Same Processor / speed
- Same PCB layout
- Same Battery

3. Plasma/LCD/LED Televisions of screen: Series formation will be governed by -

- Same Mains layout
- Same enclosure
- Power Transformer: Same design & insulation system

4. Optical Disc Players With built in amplifiers of input power 200W and above: Series formation will be governed by:

Series 1: With power adaptor

Same Power Adaptor

- Same enclosure
- Same PCB layout

Series 2: Mains operated with internal power supply

Same Mains layout

- Same enclosure
- Power Transformer : Same design and insulation system

• Draft Guidelines for Series Approval of Products for Mandatory Registration of Electronic Goods

5. Microwave Ovens: Series formation will be governed by:
- Same Input Power rating
- Same Mains layout / Power Supply
- Same Enclosure
- Same Magnetron power

6. Visual Display Units, Video Monitors of screen: Series formation will be governed by:
- Same Mains layout
- Same enclosure
- Power Transformer : Same design and insulation system

7. Printers, Plotters: Series formation will be based upon:

Series 1: With power adaptor

Same Power Adaptor
- Same enclosure
- Same PCB layout

Series 2: Mains operated with internal power supply

Same Mains layout
- Same enclosure
- Power Transformer : Same design and insulation system

8. Scanners: Series formation will be based upon:

Series 1: With power adaptor

Same Power Adaptor
- Same enclosure
- Same PCB layout

Series 2: Mains operated with internal power supply

Same Mains layout
- Same enclosure
- Power Transformer : Same design and insulation system

9. Wireless Keyboards: Series formation will be based upon:
- Same Enclosure
- Same Battery

10. Telephone Answering Machines: Series formation will be based upon:

Series 1: With power adaptor

Same Power Adaptor
- Same enclosure
- Same PCB layout

Series 2: Mains operated with internal power supply

Same Mains layout
- Same enclosure
- Power Transformer : Same design and insulation system

11. Amplifiers with input power 2000W and above: Series formation will be based upon:

Series 1 With power adaptor

Same Power Adaptor
- Same enclosure
- Same PCB layout

Series 2: Mains operated with internal power supply

Same Mains layout
- Same enclosure
- Power Transformer : Same design and insulation system

12. Electronic Musical Systems with input power 200W and above: Series formation will be based upon:
- Same Mains layout
- Same enclosure
- Power Transformer : Same design and insulation system

13. Electronic Clocks with Mains Power: Series formation will be governed by:

Series 1: With power adaptor

Same Power Adaptor
- Same enclosure
- Same PCB layout
- Mounting Mechanism

Series 2: Mains operated with internal power supply
- Same Mains layout
- Same enclosure
- Power Transformer : Same design and insulation system
- Mounting Mechanism

14. Set Top Box: Series formation will be governed by:

Series 1: With power adaptor

Same Power Adaptor
- Same enclosure
- Same PCB layout

Series 2: Mains operated with internal power supply
- Same Mains layout
- Same enclosure
- Power Transformer : Same design and insulation system

15. Automatic Data Processing Machine: As per the list to be developed as acceptable to be considered as "Automatic Data Processing Machines" the series formation will be based upon:

Series 1: With power adaptor

Same Power Adaptor
- Same enclosure
- Same PCB layout

Series 2: Mains operated with internal power supply

Same Mains layout
- Same enclosure
- Power Transformer : Same design and insulation system

Interested stakeholders are welcome to send comments and feedback to Shri Arun Sachdeva, Sr. Director, DeitY (Email: asachdeva@mit.gov.in).

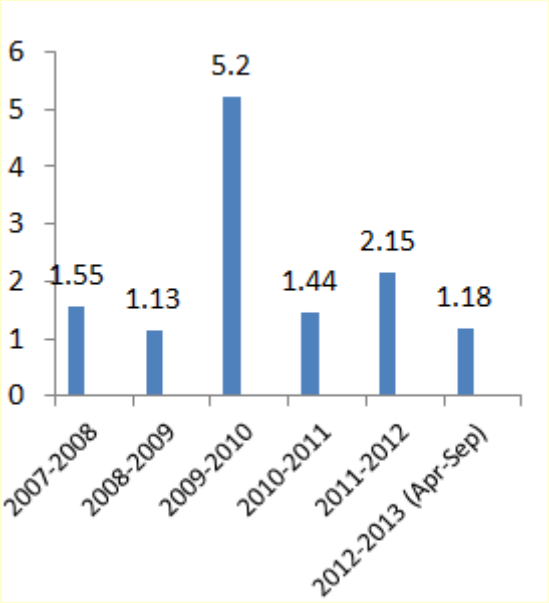
- Efforts to Develop Medical Electronics Devices
- Workshops in Colleges on ESDM

Indian Exports of INDICATOR PANELS INCRPRTNG LQD CRYSTAL DEVICES (LCD)/ LIGHT EMITTING DIODES (LED) (HS Code 853120)

Top 5 destinations for India's Export

2007-2008	2008-2009	2009-2010
ITALY	ITALY	CHINA P RP
INDONESIA	NEPAL	U K
SINGAPORE	SINGAPORE	HONG KONG
U A E	LIBYA	NEPAL
OMAN	SAUDI ARAB	S. AFRICA

2010-2011	2011-2012	2012-2013 (Apr-Sep)
SWEDEN	U S A	U S A
U S A	UAE	UAE
AUSTRALIA	GABON	SRI LANKA
BANGLADESH	AUSTRALIA	U K
UAE	U K	AUSTRALIA



Export of INDICATOR PANELS INCRPRTNG LQD CRYSTAL DEVICES (LCD)/LIGHT EMITTING DIODES (LED) (Value in US$ Million)

Special Efforts to Develop Medical Electronics Devices

As a follow-up of the meeting taken by Hon'ble Minister for Communications and IT on Nov 20, 2012 for promotion of design and manufacturing of Medical Devices in the country, a meeting was conducted at DeitY under the Chairmanship of Dr. Ajay Kumar, Joint Secretary, DeitY to discuss and identify medical electronics devices that can be developed and manufactured in the country.

After due stakeholder consultations, DeitY has indentified a few medical devices for which the standards need to be evolved on urgent basis. These are Capsule Endoscope, Bio-Chemistry Analyzer, Glycated Hemoglobin or Glycosylated Hemoglobin (HbA1c) that are available in the market and standards need to be developed immediately. Subsequently more number of medical devices would be identified.

The devices are proposed to be developed in a PPP model. A typical process proposed in this regard is as follows. An academic R&D organization and an industry would be identified for the development of the product. The identified academic institute/R&D organization would also be entrusted with identifying the technical and functional specifications of the device and the target price for which the proposed development should be implemented. Based on such finalization of the specifications and target price, a RfP would be floated to identify the industry partner. The RfP would, interalia, specify the scope and terms and conditions of development, which would ex-ante specify the rights and responsibilities of the various partners in this PPP model of device development. This would obviate the hassles of future transfer of technology and ensure that the fruits of development are commercialized by the industry partner at the earliest.

A follow up meeting is proposed to be held in February, 2013 to finalize the modalities for developing the identified products. For more details, please contact Shri Dipak Singh, Director, DeitY (Email: dipak.singh@deity.gov.in)

CSI to conduct 50 workshops in Colleges on Electronics

The Department of Electronics and IT (DeitY), Government of India has entrusted Computer Society of India (CSI) the responsibility to conduct 50 Workshops in Colleges all over India. These workshops are expected to be conducted over the next four to five months. The objective of these workshops is to create greater awareness amongst students, faculty and other academic stakeholders about the new opportunities in the electronics system design and manufacturing sector. Each workshop is expected to include presentations on the new policy initiatives of the Government, presentations by local industry leaders and a visit to an industry from the sector. DeitY has provided an assistance of Rs 30,000 per workshop to CSI. CSI has invited proposals from its network of branches spread across the country.

Colleges which are interested in conducting such workshops for the benefit of their students and faculty, may like to contact Shri Ranga Rajagopal (Email: rangagopal1@gmail.com)

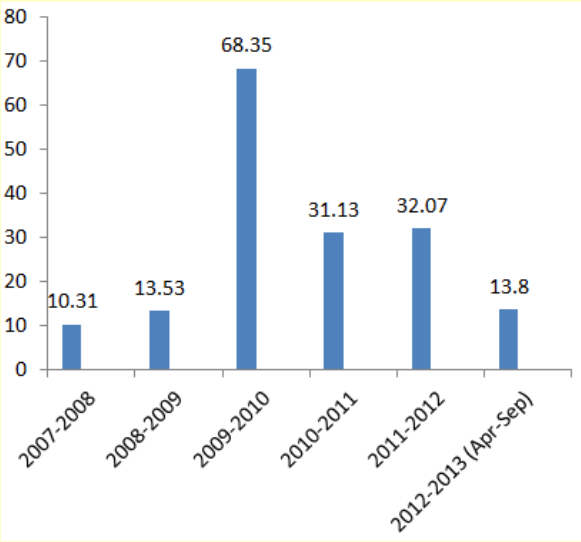
- New Science, Technology and Innovation Policy released
- Data for HS Code 853120

Indian Imports of INDICATOR PANELS INCRPRTNG LQD CRYSTAL DEVICES (LCD)/LIGHT EMITTING DIODES (LED) (HS Code 853120)

Top 5 destinations for Imports in India

2007-2008	2008-2009	2009-2010
HONGKONG	CHINA	CHINA
CHINA	U K	SWEDEN
GERMANY	HONGKONG	KOREA RP
U S A	SWEDEN	HONG KONG
SINGAPORE	U S A	JAPAN

2010-2011	2011-2012	2012-2013 (Apr-Sep)
CHINA	CHINA	CHINA
SWEDEN	HONGKONG	U K
HONGKONG	U K	HONG KONG
TAIWAN	KOREA RP	U S A
U K	GERMANY	SINGAPORE



Import of INDICATOR PANELS INCRPRTNG LQD CRYSTAL DEVICES (LCD)/LIGHT EMITTING DIODES (LED) (Value in US$ Million)

New Science, Technology and Innovation Policy released

The Prime Minister Dr. Manmohan Singh, unveiled the Science, Technology and Innovation Policy (STI) 2013 by presenting its first copy to the President of India Shri Pranab Mukerjee at the inaugural session of the Centenary session of the Indian Science Congress at Kolkata on Jan 3, 2013.

The STI Policy seeks to send a signal to the Indian scientific community, both in the private and public domain, that science, technology and innovation should focus on faster, sustainable and inclusive development of the people. The policy seeks to focus on both STI for people and people for STI. It aims to bring all the benefits of Science, Technology & Innovation to the national development and sustainable and more inclusive growth. It seeks the right sizing of the gross expenditure on research and development by encouraging and incentivizing private sector participation in R & D, technology and innovation activities.

The policy also seeks to trigger an ecosystem for innovative abilities to flourish by leveraging partnerships among diverse stakeholders and by encouraging and facilitating enterprises to invest in innovations. It also seeks to bring in mechanisms for achieving gender parity in STI activities and gaining global competitiveness in select technological areas through international cooperation and alliances. The policy goal is to accelerate the pace of discovery, diffusion and delivery of science led solutions for serving the aspirational goals of India for faster, sustainable and inclusive growth. A Strong and viable Science, Research and Innovation system for High Technology led path for India (SRISHTI) are the goal for the STI policy. Highlights of the STI policy 2013 are as under:

- Positioning India among the top five global scientific powers by 2020(by increasing the share of global scientific publications from 3.5% to over 7% and quadrupling the number of papers in top 1% journals from the current levels).
- Increasing the number of Full Time Equivalent (FTE) of R&D personnel in India by at least 66% of the present strength in 5 years. Establishing world class infrastructure for R&D for gaining global leadership in some select frontier areas of science. Bench marking of R&D funding mechanisms and patterns globally and raising Gross Expenditure in Research and Development (GERD) to 2% from the present 1% of the GDP in this decade by encouraging enhanced private sector contribution. Creating an environment for enhanced private sector participation in R &D. Enabling conversion of R & D output with societal and commercial applications by replicating hitherto successful models, as well as establishing of new PPP structures.
- Creating a robust national innovation system and fostering resource optimized cost-effective innovation across size and technology domains. Aligning Venture Capital and Inclusion Innovation Fund systems. And closing gaps in the translation of new findings at the grassroots and the commercial space. Providing incentives for commercialization of innovations with focus on green manufacturing.
- Sharing of IPRs between inventors and investors. Modifying IPR policy to provide for marching rights for social good when supported by public funds and for co-sharing IPRs generated under PPP.
- Forging strategic partnerships and alliances with other nations through both bilateral and multilateral cooperation in science, technology and innovation.
- Triggering ecosystem changes in attitudes, mindset, values and governance systems of publicly funded institutions engaged in STI activities to recognize, respect and reward performances which create wealth from S&T derived knowledge.

• Awareness Programmes on Standards

Awareness Programmes on implementation of mandatory standards in Electronics

Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012, comes into force with effect from April 3, 2013. To create greater awareness and understanding of this regime which is about to start in the Electronics sector, the DeitY, in collaboration with STQC, is organizing Awareness Programmes in various cities across the countries. The schedule for arrangement for these workshops is as under:

#	Proposed Venue	Proposed Date
1.	ERTL(W), Mumbai	11 Jan, 2013
2.	ETDC, Hyderabad	18 Jan, 2013
3.	ETDC, Chennai	30 Jan, 2013
4.	ERTL(S), Thiruvananthapuram	08 Feb, 2013
5.	ETDC, Bengaluru	13 Feb, 2013
6.	ERTL(N), New Delhi	18 Feb, 2013
7.	ERTL(E), Kolkata	26 Feb, 2013
8.	ETDC, Goa	08 Mar, 2013

The industry units, traders and importers dealing with the electronic items in the 15 product categories, notified in the October 3, 2012 order may find it useful to attend these workshops. It will help them to understand the requirements, procedures relating to this new legal framework.

This is also an opportunity for units to bring forth specific questions relating to their products and get appropriate responses. Senior officers from DeitY and STQC would be available at these workshops to answer these queries.

These workshops are planned as half a day events. The workshops are open. For more details, you may either contact the local STQC Director or Shri Arun Sachdeva, Sr. Director, DeitY (Email: asachdeva@deity.gov.in).

• Innovation Council on Nanoelectronics

DeitY constitutes the Innovation Council on Nanoelectronics

DeitY constituted an Innovation Council on Nanoelectronics with the following members:

1. Prof. V. Ramgopal Rao, Indian Institute of Technology Bombay, Mumbai
2. Prof. Navakant Bhat, Indian Institute of Science, Bengaluru
3. Dr. A.S. Rao, Director- Innovation, Centre for Innovation Incubation and Entrepreneurship (CIIE), IIM, Ahmedabad
4. Shri P.S. Narotra, Scientist G, Industry Promotion Division, DeitY
5. Dr. Praveer Asthana, Director, Nano Mission Council, Department of Science and Technology, New Delhi
6. Prof. Bodh Raj Mehta, Physics Department, IIT Delhi
7. Representative of MSME, New Delhi
8. Mr. Kapil Bardeja, Co-Founder, NanoSniff Technologies (P) Ltd., Mumbai
9. Dr. Kota Murali, Chief Scientist & Progamme Director, Nanotechnology, IBM India, Bengaluru
10. Dr. Chandrasekhar Nair, Director, Bigtek Labs, II Floor, SID Entrepreneurship Center, Indian Institute of Science Campus, Bengaluru
11. Shri T.K. Sarkar, Ex- Senior Director & GC (R&D in Electronics), DeitY
12. Dr. G. V. Ramaraju, Group Coordinator, R&D in IT, DeitY
13. Mr. Ramesh Chand, DeitY

The scope of the Nanoelectronics Innovation Council includes the entire electronics systems hardware infrastructure enabled by Nanoelectronics technology. In addition to the above the focus is also on integrated circuit chips, packaging and electronics systems. The Council submitted, in December 2012, a report including action points for promoting innovation in the area of nanoelectronics Some of the action points recommended by the Council include creation of advanced research and development centers in nanoelectronics such as the Centres of Excellence in Nanoelectronics (CENs) at IITB and IISc and funding projects areas of national interest to academia and industry on development of advanced devices & systems. The detailed report is available at www.deity.gov.in. For more details about the report, please contact, Dr. G. V. Ramaraju, Senior Director & Group Coordinator (R&D in IT), DeitY (Email: gramaraju@deity.gov.in)

ELCINA EFY Expo being organized on Feb 21-23, 2013

ELCINA EFY Expo an annual event from ELCINA is being organized from Feb 21—23, 2013 at New Delhi with support from DeitY. This event was jointly conceived by ELCINA and EFY Group and first edition was held in Feb 2011. Aim is to position the event as a platform where innovators, design engineers and implementation engineers can mix with manufacturers, traders and institutional buyers, in order to create one common platform for the entire electronics industry to come together. It lays a strong emphasis on creating appealing content (conference, workshops, seminars, etc.) to attract the right audience. The event offers seminars and technical workshops apart from exhibition, Buyer-Seller Meets. At the event in Feb 2013 a LIVE SMT Line, a Business-to-Government conference is also being planned. For more details, contact Shri Rajoo Goel (Email: rajoo@elcina.com).

First Electronics Sector Skills Council Workshop in Kochi

Electronics Sector Skills Council of India (ESSCI) organized a Workshop for Providing Skills for Electronics Industries at Kochi on Dec 18, 2012. ESSCI is promoted by CEAMA, ELCINA, ISA, IPCA & MAIT, with financial support by National Skill Development Corporation (NSDC) with a focus on establishing an effective and efficient eco-system for development and imparting of skills for the electronic systems, design and manufacturing industry including relevant curriculum, courses, information database, delivery system, standardisation, accreditation and certification processes to enhance the employability of the Indian workforce globally.

At the initiative of Government of Kerala and support under their Additional Skill Acquisition Program (ASAP) this workshop was aimed towards identifying skills and courses relevant to the Electronics Industry that will further lead to development of curriculum and teaching material for skills needed in the electronics value chain and for the various market segments in Electronics. The workshop intended to develop a list of relevant courses and draft curricula as well as methodology for imparting skills to the students of 11th, 12th and undergraduate level to equip them for entry-level jobs in various sectors of the electronics industry. The Workshop was attended by officials from various departments of the Government of Kerala, Government of India, major manufacturing companies in Kerala, staff and students from engineering colleges and polytechnics as well as from IETE.

The Chief Guest, Dr. Ajay Kumar, Joint Secretary, DeitY addressed the delegates and informed them about the measures that the government is taking to develop human resources for the USD 400 Billion industry in the Electronics System Design and Manufacturing sector. He pointed out that if India has one USP for the industry to flourish in the country, it would be its talent pool. However, it is important to prepare this talent pool with requisite skills in the sector.

Dr. K. M. Abraham, Principal Secretary, Higher Education briefed about the ASAP programme for skill development in Kerala and the efforts being taken to promote ASAP in the ESDM sector. Shri Vijayaraghvan, Member State Planning Board, Mr. Tom Jose, MD, KSIDC, Dr. J. Letha, Director of Technical Education (Kerala Govt.), Dr. G.M. Ajith, Director-NIELIT Kozhikode and Mr. Dipra Mukhopadhyay-NSDC, industry leaders from Mr. Amrit Manwani, CMD-Sahasra Group, Mr. PVG Menon, President-ISA, Mr. Antony Alexander, COO, O/E/N Ltd., Mr. Thomas John, CEO-SFO Technologies, Mr. Rajesh Arakkal, CEO- FCI OEN, Ms. Poornima Shenoy, CEO-Latitude Edutech Consulting Pvt. Ltd. and Mr. Anandan Ramasami, Regional Head-ILFS SDC Ltd. also made presentations. The workshop identified four courses for detailed syllabus and curriculum design. These are PCB design & Manufacturing; Electronic Manufacturing Services; Assembly, Testing, Masking and Packaging of Semi Conductors and Electronic Product Testing. For further details, please contact Smt. Suseela James, Head (Technical), Additional Skills Acquisition Project Team (Email: suseelaj@gmail.com)

Fee for Application under MSIPS

DeitY has notified fee for Initial Application under MSIPS and also for Follow up application in accordance with the guidelines for the Modified Special Incentive Package Scheme. This is as under:

Non Refundable Initial Application Fee	
Total Project cost proposed (INR)	Application Fee (INR)
> = 1000 Crores	1,00,000/-
> = 100 Crores and < 1000 Crores	50,000/-
> = 10 Crores and < 100 Crores	25,000/-
> 10 Crores	10,000/-

Cost of application for subsequent phases of approved project cost (INR) will also be same.

For detailed information on Government of India policies, please visit

Electronics System Design and Manufacturing page on

www.deity.gov.in

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