

Home-grown cyber products to secure vital installations

ECIL unveils secure devices to thwart intrusive malware

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BANGALORE: Sensitive and strategic installations that are vulnerable to cyber attacks will now be secured with indigenously-made products protecting their electronic networks.

Public sector major Electronics Corporation of India on Friday unveiled a suite of secure devices that will thwart, detect and alert against intrusive and destructive malware that can stall operations of some key organisations.

These are developed for the safety of information networks of power plants, refineries, nuclear, defence and space installations over the past one year, said ECIL Acting Chairman and Managing Director Major General (retired) Sanjeev Loomba.

High speed routers

In the coming years, the new set of home-grown high speed routers that enable Internet connectivity on computers, products such as ECIL's Secure Net Access System and Integrated Threat Management Appliance, he said, were expected to be preferred in large numbers to some of the imported MNC products that tend to allow cyber intrusions.

These have been developed in technology tie-ups with Bhabha Atomic Research Centre, IITs and the Chennai-based SETS.

The Advanced Carrier Ethernet Switch Router de-



Maj. Gen. (retd.) Sanjeev Loomba (left), acting CMD, ECIL; P. Viswanath, GM, ECIL; P.V. Ananda Mohan, Sr. Tech Expert, ECIL; and V.V.R. Sastry, ED, C-DoT, at an ECIL product programme in Bangalore on Friday. — PHOTO: K. GOPINATHAN

veloped by IIT Professor Ashwin Gumaste was tried in RailTel this month and the National Knowledge Network used by defence units expects to "ride it".

"A major problem facing us is that we may be pierced, our networks may be intruded upon from anywhere. There is a tremendous amount of utility for these routers which are very secure and extremely power efficient besides being fully indigenous," Maj. Gen

Loomba told *The Hindu* during the company's Bangalore roadshow.

"In the last 10-15 years, a lot of intrusions have taken place in the cyber space that can shut down systems. Today, the demand in the country is for secure products," he said.

As part of a major government initiative taken up over the last four years by apex agencies, ECIL, he said, had come up with half-a-dozen

secure products to address this need.

Another security aspect was CCTV-based surveillance systems on the premises of VVIPs, courts, markets and key installations and the proposed Smart City projects in Delhi and Mumbai, scanners at airports and radiation detectors.

Next on the anvil was facial recognition system.

As many as six routers were produced in November last

year and the advanced version would follow soon. The routers would mean a business of Rs. 100 crore for ECIL in two years.

"If our products move forward as we expect them to, we could save foreign exchange in the next two years," Maj. Gen. Loomba said.

The cyber security products now formed a small 5-10 per cent of its turnover of Rs. 1,700 crore but looked set to treble in five years.

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ECIL to bring in market indigenously developed router

Bangalore, Jan 18 : India's premier strategic electronics and security systems provider Electronics Corporation of India will soon bring to the market an indigenously developed router offering advanced features compared to similar routers from multinationals that have swarmed the Indian market.

ECIL Chairman and Managing Director Maj Gen (retd) Sanjeev Loomba told newsmen that the Carrier Ethernet Switch Router had already been tested by Railtel in its Mumbai-Pune link and is now ready for marketing. Over the next few months the company aim to garner a business of around Rs 50 crore. Growing at a pace of 20 per cent, when the economy is on the reverse journey, ECIL aimed to clock a revenue of Rs 12,700 crore this fiscal as against Rs 1,500 crore last year.

Maj Gen Loomba said the router would also be supporting the National Knowledge Network and various other strategic and defence related networks. The important feature of this non standardised product was that it was intrusion safe from any malware as compared to acquired routers from multinational vendors. Besides it also provided a host of security features.

ECIL today held a road show to offer to various electronics- based industries in the city its latest products in areas of programmable logic controllers, Supervisory Control and Data Acquisition software, Secure Network Access Systems and Integrated Threat Management Appliance (ITMA). ECIL acquired the router technology from IIT, Mumbai, and had completed the transfer of technology for even the next generation systems, he said, adding the Router, Carrier Ethernet Switch Router, a solution for next generation transport network, was a path breaking technology.

It collapsed the lower three layers of the internet protocol stack into a single layer and was posed to replace not so efficient present version of internet hierarchy with IPO as the dominant network protocol. Ethernet as the MAC protocol and WDM at the physical layer, the router facilitated excellent fiber utilisation with minimum energy consumption. On the programmable logic controllers, he said the company aimed to secure orders worth over Rs 100 crore over the next few months. In the last four months it had secured 14 orders for the product which had vast applicable clients in power, oil and gas, fertiliser and chemical sectors.

- Agencies

ECIL comes out with next generation voting machines

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India's leading electronic voting machine maker (EVM) ECIL has come out with the next generation product that would enable voters to view a print out of their polling details. ECIL Chairman and Managing Director Maj Gen (retd) Sanjeev Loomba told newsmen here that the secrecy of voting would be maintained in the new machine also. He said following the request of some political parties the feature had been added to the EVMs to enable voters view a printed version of the votes they had cast and the same would be dropped into the box.

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