

VOICE Press Release dated 19th May 2022

Taking Atma Nirbharata initiative in key communication technologies to next level, the Department of Telecommunications successfully hosted live demonstrations of “end to end” Private 5G, 4G networks from indigenous technology SMEs and Startups during 16-18 th May, 2022 at Sanchar Bhavan. This was ably coordinated and facilitated by VoICE (Voice of Indian Communication Technology Enterprises), a society of indigenous telecom design companies. The newly formed Society, ‘Voice of Indian Communication Technology Enterprises’ (VoICE) is exclusively consisting of Indian telecom design companies and working on Atma Nirbharta and Make in India vision of Hon’ble Prime Minister.

VoICE, acting as a system integrator had put on a live display of an entire “end to end” 4G/ 5G platform that included Radio Access Network (RAN), Evolved Packet Core (EPC), IP Multimedia Sub-System (IMS), Network Management System (NMS), Billing, multiprotocol gateways, Quantum Encryption, IOT devices all connected over L2 Switches. Multiple RANs as well as multiple gateways were on display. Highlight of the demonstration was that entire platform on display had products from various Indian companies where hardware and software control reside with domestic players. Apart from the live demo of Private 5G network, on display were standalone products applications and chipsets from various domestic companies on 4G/ 5G.

VoICE team in their presentation to Hon’ble Minister of Communications had stated that through a consortium-based consolidation of domestic companies, not only deployment of private 4G/ 5G Enterprise networks can be possible as early as by the current year itself but cost to users may be substantially lower as compared to conventional deployments by licensed service providers. Further large-scale commercial deployments even in remote areas may take place within next 18 months as compared to 4 to 5 years from convention routes. It however will call for immediate provisioning of spectrum for setting up private networks along with finalization of National technical specifications so that enabling ecosystem can be created.

IMS of one domestic company that was one of the leads in the live demo at Sanchar Bhavan, has partnered with CeWiT and was part of VoNR calls at IIT Chennai also on 19th May evening.

Today domestic design companies, not only have all the ingredients of a globally competitive telecom services sector but also have a robust framework for equipment manufacture & R&D. Indian manufacturers have already made significant strides and have showcased “use cases” for applications in Mines, Railways, Defense as well as can provide solutions for utility companies,

airports & metro projects and further have offered to deliver a perfect and better substitute to meet demands that are presently catered by imported Tetra radios used in the utility companies.

There was a widespread appreciation for the entire spectrum of indigenous telecom technology companies considering the marvellous show of VoICE team witnessed by one and all from different Ministries and industry. As the Government is committed to further support & strengthen the ecosystem for electronic hardware manufacturing, development of Technology along with promotion of domestic IPRs, India is poised for another digital revolution based on the massive thrust on “Make in India”, and a comprehensive roadmap vigorously pursued by the Ministry of Communications.

Hon'ble MoC, MoS, Secretary (Telecom), Telecom Commission members, Niti Ayog Members, senior officials from DoT, TEC, NTIPRIT, CDOT, Railways, armed forces, defense, power, home, urban development, DRDO, Railtel, RITES, DRDO and many more Ministries, PSUs, Service providers BSNL, Reliance Jio. Online sessions were there with our missions and telecom stakeholders of Poland and Germany. There were some 5G players from even USA, NEC, Japan and international consultants and many more from Indian private sector. There was a special an hour-long online session demo involving 125 senior GM & higher-level officials from Railways. They were extremely positive and look forward from domestic players for their modernization. Presence of more than 500 visitors at very senior level from Government. Many expressed the view that this type of interaction had not taken place at any stage in Sanchar Bhavan and will give a boost to the Atma Nirbharta vision of the Government.

We recognize our strengths & our government is committed to further support & strengthens the ecosystem for electronic hardware manufacture, development of Technology along with promotion of domestic IPR. With this, India is poised for another digital revolution given the massive thrust on “Make in India”, and a comprehensive roadmap laid down by Ministry of Communications.

VoICE will continue to play an important role in helping the Government in formulation of appropriate policies by making recommendations on strengthening domestic capability.