

VISION 2020: Decade of Revolution in Telecom & Electronic Manufacturing



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Today, we are sitting close to the end of second decade of the 21st century; we face fundamental change in not only how we diversify our business, but how diversification of business is defined. The fast pace technology is rapidly replacing the traditional mechanisms. Today, we are witnessing the wireless technology almost at every place as far as telecommunication industry is concerned. The last decade has observed the industry's toughest times and still manages to come out with competitive edge and world-changing products and services.

The vision ITI Limited, formerly known as Indian Telephone Industries Limited is independent India's first public sector unit in telecommunication segment has already turned around and shifting its gear to manufacture latest requirements for telecom industry.

As part of vision 20:20 approach, the company is latching now on to the start-up bandwagon and throwing open its facilities to the companies with new ideas. It is also foraying into new domains like Internet of Things (IoT). ITI has signed teaming agreements with 22 start-ups that work in



engineering, mechanical and software development domains. Working with the start-ups will help the company foray into newer areas and bring in revenues.

Rs. 8000 Cr project of Army Static Switched Communication Network (ASCON) from the Ministry of Defence for providing and maintaining strategic communications network for Army is also a significant achievement for ITI. ASCON is the army's telecom network backbone implemented in phases along the borders. The project includes civil works for the infrastructure and optical fiber network, installation, commissioning and maintenance of equipment such as IP MPLS routers, Microwave Radio, Satellite terminals, NMS (Network Management System) and testing tools.

ITI has achieved a significant milestone by being a part of phase I of Government of India's flagship project "BharatNet"

connecting over One Lakh Gram Panchayats across the country with high speed optical fibre network. The project envisages hi-speed broadband connectivity at an affordable price in over 2.5 lakh villages. The tenders for phase II project are announced and ITI is making all out efforts to participate in all the tenders.

The company also consolidates its diversification into Information and Communication Technology (ICT) to hone its competitive edge in the convergence market by deploying its rich telecom expertise and vast infrastructure. Network Management Systems, Encryption and Networking Solutions for Internet Connectivity are some of the major initiatives taken by the company.

In addition to telecom projects like GPON (Gigabit Passive Optical Networks), MLN (Managed Leased Line Network), SSTP (Secure Socket Tunnelling Protocol), Wi-Fi, DWDM, OTN, Radio modem etc., ITI has introduced manufacturing of Smart Energy Meters, HDPE duct, Optical Fiber Cable, Solar panels, mini PC, Set Top Box, Smart Cards, Banking Cards etc. ITI has already upgraded the infrastructure to manufacture Banking

cards. The infrastructure has been accredited by National Payment Corporation of India (NPCI) for Rupay cards.

ITI's state-of-the-art Data Center is currently spread over more than 2, 00,000 Sq. ft. with world class facilities. It has the capability to house thousands of IT Infrastructure equipment and is designed to offer a wide spectrum of core hosting services with best suite of value added services under highly secure and stable environment. We are adding 1000 additional racks in the existing set up in Bengaluru out of which 150 racks are already commissioned. We are also setting up a new Data Centre of 200 racks capacity in Naini (Allahabad, UP) Plant. The new infrastructure will enable PSU Banks, Central & State Government undertakings, MNCs, corporates and large enterprises to have their data located within the country. The company has also started providing Aadhar authentication services, e-tendering services, core banking applications, mobile wallet application etc.

ITI is committed to the 'Digital India', 'Make in India', "Skill India" and 'Smart Cities' initiatives of Government of India and has launched TAG ITI Digital Wallet Service to provide cashless transactions to the nation's economy under the Digital India Initiative of GoI. All ITI transactions are carried out through Digital Wallet. On the other hand, ITI has imparted skills to youth on 'Optical Fibre Splicer', 'Electronics Switching System Manufacturing and Testing' and 'Mobile Communication' under the flagship of PradhanMantri Kaushal VikasYojana.

In a first of its kind, ITI will be

manufacturing smart meters for implementation of smart grid projects in Haryana and Uttar Pradesh and will help these states to significantly reduce the AT&C losses and completely change the way in which electrical energy is presently being consumed in the two states. Installation of these smart meters will enable the power distribution companies to obtain real time energy consumption data of each consumer for subsequent analysis. This will pave the way for initiating various smart measures like Time of Day (TOD)/Time of Use (TOU) billing, prediction and management of peak demand, providing real time energy consumption data to consumer, prepaid billing facility, remote connection and disconnection of load, accurate billing, etc.

Under the Swachh Bharath Mission, ITI in association with the Ministry of Urban Development (MoUD) has started manufacturing and installing feedback devices at public toilets in almost 12 states to regularly monitor and maintain cleanliness of toilets with support from district municipal corporation bodies. The flagship programme of MoUD is supplemented by government's vision of Digital India and Start-up India where ITI is helping start-ups in manufacturing prototypes and lending a helping hand to enter the market.

As a part Corporate Social Responsibility, ITI has established a special school 'Snehalaya' for imparting special education for specially abled children in the year 1985 under ITI Education Committee. The school teaches the children social academics consisting mainly basic functional literacy to develop their day

today activities, skill development, self-care activities. In 1999, ITI set up ITI Central School as a premier Educational Institution in South India. The school is affiliated to Central Board of Secondary Education. The school provides state-of-the-art facilities and aims to develop students as global citizens.

To create synergies among the seven PSU's of DoT, the department has unveiled a strategic plan including framework to facilitate manpower sharing, utilize vacant land and buildings, boost technology innovation and export promotion and to settle legal issues and financial claims. The strategic roadmap will cover the areas like 5G and Internet of Things (IoT). ITI has signed an MOU with TCIL pertaining to export of products, with CDOT for transfer of technology and with MTNL for joint execution of Internet of Things and Smart City projects. Telecom equipment and electronic manufacturing industry are the prime sectors needed for rapid growth of the country's economy. Driven by various policy initiatives and regulations, the sector witnessed a complete transformation. It has achieved a phenomenal growth during the last few years and on the way to become one of the fastest growing sectors in the world. Telecom sector will continue to generate both direct and indirect employment opportunities for millions of youth in areas like start up manufacturing, telecom, BPOs, ancillaries, channel distribution, branding and infrastructure labour. ITI is also poised to take up the opportunity and become one of the leading telecom and electronic equipment manufacturer in the country in the coming days.