ITI LIMITED
(A Government of India Undertaking)

Total Solutions for Global Communications
ITI Limited declares profit of Rs 305 Crore for the Fiscal 2016-17

ITI Limited has achieved a turnover of Rs. 1611 Crore for the year ending 31st March 2017 as compared to Rs. 1253 Crore for the previous year 2015-16. The Company has declared a profit of Rs. 305 Crore for the fiscal 2016-17 with grants from Government of India in the Board Meeting held at New Delhi on May 28, 2017. With the support from Government of India and combined efforts, ITI has restricted the losses and now firmly planning to explore business opportunities in IoT, e-Governance & ICT areas in addition to telecommunication and defence projects. ITI has upgraded the electronics manufacturing infrastructure to supplement indigenous manufacturing to achieve profitability and sustainability. ITI intends to take up solutions depending upon industry or customer requirements for encryption of mobile handsets, HF Radio, Software Defined Radio (SDR), STM 256/40G IP. With the implementation of new projects under Government of India’s Initiatives like ‘Make in India’, ‘Digital India’ and ‘Skill India’, the company will continue to drive strong revenue growth and improved profitability in the coming years.

ITI Limited Celebrates World Telecommunication and Information Society Day

ITI Limited celebrated 152nd World Telecommunication and Information Society Day across its plants to mark the anniversary of the International Telecommunications Union (ITU) focused on the theme “Big Data for Big Impact” on May 17, 2017. Shri S. Gopu, CMD graced the occasion in the presence of chief guest Dr. Sarat Chandra Babu T, Executive Director, C-DAC, Bangalore, Shri S S Chakrabarti, GM-NS Unit, Shri Y Muralidhar, AGM-BG & R&D, Unit Head, Shri Arun Kumar, Executive Director (R&D), senior officers, employees, representatives of employees' union and officers association at R&D Conference Hall, Bangalore Plant.

Speaking on the occasion, Shri S. Gopu emphasized on ITI’s contribution to the entire nation to bringing transformation in the telecom sector in India. He also urged ITI employees to put significant efforts and take the organization to newer heights. Chief guest Dr. Sarat Chandra Babu in his keynote address said, “WTISD theme focuses on the power of Big Data for development and aims to explore how to turn imperfect, complex and often unstructured data into actionable information in the context of development.” The program concluded with distribution of prizes to the winners of slogan, essay and quiz competitions.

At Naini plant World Telecommunication & Information Society Day-2017 was celebrated by displaying banners with WTISD theme in the plant premises. Shri Pradeep Pande, GM-N, Unit Head in the presence of senior officers, employees, representatives of Mazdoor Sangh, officers association, said, “We all are aware of Big Data but we also should identify the
various impacts associated with Big Data.” On the occasion a presentation on the theme ‘Big Data for Big Impact’ was given by Shri J K Goel, CM-HR(ED) focused on how to handle and process the Big Data within the given time frame and to resolve the issues with the help of ‘Hadoop Framework’ technology.

At Palakkad plant World Telecommunication & Information Society Day 2017 was celebrated by exhibiting banners depicting the theme ‘Big Data for Big Impact’ at plant premises on May 17, 2017. Chief Guest, Shri N Ramachandran, Senior Divisional Signal & Telecommunication Engineer (IRSSC), Southern Railway, Palakkad addressed to the audience in the presence of Shri K Sasidharan, DGM (PCS), Acting Unit Head, senior officers, employees. Shri K Sasidharan distributed prizes to the winners of quiz, essay and slogan writing competitions.

At Mankapur plant, World Telecommunication & Information Society Day was celebrated jointly by ITI, IETE Center, Mankapur and ITI Sports & Cultural Council at EDC Auditorium on May 17, 2017. Shri A K Mondal, Chairman-IETE Center presented a paper on the theme ‘Big Data for Big Impact.’ Shri A K Bajoria, AGM-MKP, Unit Head distributed prizes to the winners of essay, questionnaire and Telecom Day Marathon Run.

World Telecommunication and Information Society Day was celebrated on the theme ‘Big Data for Big Impact’ at Regional Office, Kolkata on May 17, 2017. Shri Ashok Tirkey, DGM-RO, Kolkata addressed the employees on the theme and distributed prizes to the winners of Essay writing competition.

On the occasion of World Telecommunications and Information Society Day, Shri S P Gupta, DGM-RB, Unit Head spoke about the theme ‘Big data for Big Impact’ in the presence of Shri V B Singh, DGM (MPD), Shri A K Agarwal & representatives of employees’ union and officers association at Raebareli plant on May 17, 2017.
Smt Asha Kumari Jaswal, Independent Director visits ITI

Shri S. Gopu, CMD and ITI senior management officers welcomed her at Corporate Office. Discussions and presentations of the company were held to appraise about the status and developments of ongoing and future projects of the Company. She also visited Bangalore plant and reviewed the status of ongoing projects.

Skill Development Training at ITI Srinagar

A two-day Skill Development programme was organized at ITI Srinagar plant to impart the skills under the flagship of Pradhan Mantri Kaushal Yojana as per the Skill Development Initiative of GoI from 15th to 16th May 2017.

The skill development programme was conducted by Dattopant Thengadi National Board for Education & Development, Ministry of Labour & Employment, Government of India, Camp Office Gogji Bagh, Srinagar to impart skills on concept of production & productivity, Japanese concept of Kaizen, skill development initiatives of GoI, Quality Circle & TQM and housekeeping. Shri Gulzar Ahmad and Shri Saleem Aijaz Najee, Education Officers of DTNBED imparted training to around 21 officials from Srinagar plant to empower the workers in an organized sector.

A two-week in house training program on ‘Basic Computer knowledge including Networking’ was organized for the employees in May 2017. Srinagar plant deputed a batch of four employees for training on ‘Optical Fibre Splicing’ & ‘Optical Fibre Technician’ at Bangalore plant, Centre of Excellence, Skill Development Centre. Srinagar plant intends to conduct more skill development training programmes for the external candidates to train and empower youth in the near future as per the Skill Development Initiative of GoI.

Shri S. Gopu, CMD visits ITI Naini

Shri S. Gopu, CMD, ITI visited Naini plant on June 2, 2017 to review the progress of ongoing projects. Shri R Krishnaprasad, AGM-N, Unit Head, welcomed the CMD in the presence of senior officers, representatives of Mazdoor Sangh, officers association. Shri Gopu was taken around the plant areas of solar manufacturing, SPE testing and EDP Centre. Shri N K Bokade gave a presentation focused on SPV system for GPON, Ethernet Technology, Data Centre, etc. Shri R Krishnaprasad and senior officers discussed the projects with Shri S. Gopu. CMD appreciated
the employees’ efforts for shaping a new road map for GPON business potential and urged them to put all efforts for timely execution of projects.

ITI Palakkad Contributes for ISRO’s Prestigious GSLV Mark III Launch

Palakkad plant has contributed to the manufacturing of electronic assembly for ISRO’s Geosynchronous Satellite Launch Vehicle (GSLV) Mark III, one of the prestigious missions of ISRO to take a giant leap for India as a worldwide space power. The electronic packages fabricated at ITI Palakkad plant were successfully flown in the GSLV Mark III. The packages of 12 Nos. of Data Processing Units (DPU) V3L and 22 Nos. of Remote Mount Safe Arm (RMSA) were used in the manufacturing of India’s first development flight. ISRO successfully launched the Geosynchronous Satellite Launch Vehicle (GSLV) Mark III on June 5, 2017.

ITI Palakkad has been collaborating with Vikram Sarabhai Space Centre (VSSC), the lead centre for launch vehicles development in ISRO from 2010 onwards. An exclusive ‘Electronic Space Fabrication Centre’ has been set up in the Plant for the manufacturing of space products for VSSC and other ISRO units and the facility is accredited by VSSC, Thiruvananthapuram. The highly skilled manpower have been trained and certified at VSSC with expertise for space quality production. ITI Palakkad plant is the only work center entrusted with the assembly and testing of RMSA which are being used in all space launches. The Palakkad unit has also set up an exclusive ‘Electronic Component Screening Lab’ as well as testing facilities for Avionics & Radio Frequency (RF) packages to meet the demand of Space and Defence segments and handle the additional requirements. VSSC had specially appreciated in innumerable occasions for the contribution and dedicated services made by ITI Limited, Palakkad in its past launches.

ITI Limited celebrates World Environment Day

ITI Limited celebrated World Environment Day (WED) across ITI plants focused on the theme ‘Connecting People to Nature’ with enthusiasm on June 5, 2017. At the Corporate Office, WED was organized on June 5 in order to encourage awareness about environmental importance and its protection aimed at providing a healthy environment for everyone. Highlighting the importance of the day Shri S. Gopu, said, “World Environment Day is celebrated to promote positive actions for the environment in order to sustain all forms of life in the long run. This year’s theme calls us to be a part of nature by joining natural environment related activities and participate in plantation drive to protect our environment. The day also gives us a wake-up call to create a vital relationship with the environment and to cherish the same”. He urged all the employees to participate in plantation drive and to take care of the saplings planted so that initiative taken persists and contributes for better environment and distributed saplings to the employees.

Shri S. Gopu, planted a sapling followed by plantation of saplings by Dr. Janaki Ananthakrishnan, Director (Finance), Shri S V R Murthy, AGM-CF, Shri Rajiv Seth, AGM-HR, Shri Sunil Kumar, AGM-Operations and
other senior officers. Around 15 saplings namely Neem, Honge or Indian Beech, Portia, Calabur, Champa, Jamoon, Badam, Pupil etc., were planted with great enthusiasm at Corporate Office premises.

At Bangalore plant, Shri Y Muralidhar, AGM-BG & R&D, Unit Head and senior officers planted saplings in the plant premises. ITI Central and Vidya Mandir School teachers and students also participated in the WED celebrations. School students took procession with banners, voiced slogans and performed street plays to create awareness to protect the environment and save the earth. ITI School Management Committee Members and School teachers planted saplings at school premises.

At Naini plant, on the occasion of World Environmental Day, Shri R Krishnaprasad, AGM-N, Unit Head spoke about the significance of protecting the environment in the presence of senior officers, employees, representatives of Mazdoor Sangh, officers association. He also said “Naini plant has endeavored to maintain greenery in the plant premises as well as ITI Township and urged all employees to nurture the nature to protect the environment for future.” Shri Harihar Singh, CM-HR said, “WED should not be restricted to celebrate the day once in a year, but it is individual responsibility to protect the environment throughout the year to save the earth.”

Shri A K Bajoria, AGM-MKP, Unit Head speaking on the occasion of World Environment Day emphasized on the theme and said every individual should plant trees, save the planet earth and protect the environment. He along with senior officers planted the saplings in ITI Township premises in the presence of employees at Mankapur plant on June 5, 2017.

At Palakkad plant WED was celebrated by exhibiting banners depicting the importance of the theme at prime locations on June 5, 2017. Shri J Premchand, AGM-PKD, Unit Head inaugurated the celebrations by planting a sapling near the medical center followed by senior officers at plant premises. Saplings were distributed to among employees to create awareness of world environment day. Shri J Premchand also inaugurated Pollution Testing Center at vehicle parking area, where employees’ vehicles were tested for pollution/smoke in order to control pollution as a part of the WED celebrations.
At Raebareli plant, Shri S P Gupta, DGM-RB, Unit Head speaking on the occasion of World Environment Day stressed the need for creating awareness about the environmental issues and urged all to protect the environment by sapling more plants around them. Shri Gupta, senior officers, representatives of employees’ union, officers association, and students of Ryan International School participated in the sapling drive at the admin block of the plant.

ITI Limited has signed a Memorandum of Understanding (MoU) with Department of Telecommunications (DOT), GoI for the year 2017-18. Ms. Aruna Sundararajan, IAS, Telecom Secretary and Chairman (Telecom Commission), DoT, Ministry of Communications & IT, Government of India and Shri S. Gopu, Chairman and Managing Director, ITI Limited signed and exchanged the MoU on June 30, 2017. The MoU envisages ITI’s significant role in the field of Telecommunications to pursue opportunities of indigenous telecom equipment’s, viz., GPON manufacturing with indigenous technology (C-DoT) arising out of Government’s Digital India and Make in India campaigns and also to play an important role in the Government of India funded projects of national importance like National Optical Fibre Network (NOFN) project of BharatNet, Network for Spectrum (NFS) and Encryption Projects of Ministry of Defence.

ITI Limited celebrated the 3rd International Day of Yoga with enthusiasm across all the units focused on the theme ‘Yoga for Health’ on June 21, 2017. Shri S. Gopu, CMD, ITI, presided over the Yoga day celebrations in the presence of Dr. Janaki Ananthakrishnan, Director (Finance), Shri Arun Kumar M, Executive Director-R&D, Shri S S Chakrabarti, GM-NS Unit and Shri Y Muralidhar, AGM-BG & R&D, Unit Head, Yoga Guru Sri Soham, senior officers, employees, representatives of employees’ union and officers association at Bangalore plant. Shri Y Muralidhar, AGM-BG & R&D, Unit Head welcomed the participants and expressed his views on the significance of yoga in human life. Shri S. Gopu in his presidential address said, “All kinds of physical problems can be overcome with the help of an unwavering mind and thoughts. Yoga not only helps keep the body free of diseases, but also strengthens the mind and intellect.” Dr. Janaki Ananthakrishnan said, “Yoga is beneficial, should be practiced daily, especially stress which has become part of today’s modern life can be relieved.”
Renowned Yoga Guru Shri Soham demonstrated various Mudras of Yoga, specially related to stress and asked employees to dedicate at least 15 minutes daily for Yoga to keep their body refreshed and rejuvenated. More than 500 employees from Bangalore plant, Corporate Office, NS Unit and Regional Office participated in the celebrations.

3rd International Day of Yoga was organized at Naini plant on June 21, 2017. Speaking on the occasion, Shri R Krishnaprasad, AGM-N, Unit Head in the presence of senior officers, employees, representatives of Mazdoor Sangh and officers association said “practicing Yoga on regular basis gives immense benefits in uniting in the body, mind and breath.” Yoga teacher, Shri Pankaj Tandon demonstrated Yoga asanas for body and mind and emphasized the tangible benefits of Yoga. He also urged the employees to spare daily at least fifteen minutes for Yoga.

3rd International Day of Yoga was organized at Palakkad plant on June 21, 2017. Speaking on the occasion, Shri J Premchand, AGM-PKD, Unit Head in the presence of senior officers, employees, representatives of employees’ union and officers association said, “Daily practice of Yoga for a healthy life and prevention of life style diseases is very much required.” On the occasion, Yoga Guru, Shri P Sasikumar demonstrated Yoga asanas to the employees.

On the occasion of 3rd International Day of Yoga, Shri A K Bajoria, AGM-MKP, Unit Head delivered a keynote address on Yoga and emphasized that Yoga offers a simple, accessible and inclusive means to promote physical and spiritual health and well-being in the presence of senior officers, employees, representatives of Karmchari Sangh and officers association at Mankapur plant on June 21, 2017. Yoga instructors Shri Ram Narayan, Shri Paras Nath Singh, Smt Sushila Pal and Smt Kaushal Kushwaha demonstrated several conventional Asanas and breathing control exercises to the employees and family members at Officers Club, Sanchar Vihar.

At Raebareli plant Shri S P Gupta, DGM-RB, Unit Head emphasized on the importance of Yoga exercises and its benefit for health at the celebrations of International Day of Yoga on June 21, 2017. Unit Head, senior officers, representatives of employees’ union, officers association and family members participated in the Yoga Day celebrations.
Shri Kausar Khan, GM QA, BSNL visits ITI Raebareli

Shri Kausar Khan, GM (QA), BSNL visited Raebareli plant on May 25, 2017. He was taken around the facilities of SMT line, assembly and testing areas of GPON production shop and apprised of different testing and quality standards followed at Raebareli plant by Shri Manoj Srivastava, DGM (QA) and other QA officials of BSNL and ITI.

Quality Assurance Team of VSSC visits ITI Palakkad

A quality Assurance team led by Group Director, Dr Oommen Tharakan along with members Shri Vasudevan Potti, Shri Saravanan and Shri Shanmugam from Vikram Sarabhai Space Centre (VSSC) visited Palakkad plant in connection with SMD Reflow Accreditation on June 15, 2017. VSSC Group Director has reiterated the need of bigger association between ITI & VSSC in space segments in view of the increased demand of space missions.

The Quality Assurance team audited the entire processes of SMD assembly and Reflow, Solder printing, SMD placement, Inspection and reflow operations to the minute level to meet the requirement of flight grade assembly & reflow and evaluated the levels of perfection required in each field. The VSSC team guided Palakkad team to improve the processes, precautions and stringent quality aspects to be taken care at each level of processing. VSSC team appreciated the efforts of ITI SEFC & SMD Reflow team in completing the trial SMD Reflow Critical DAU II Package successfully. Team leader Dr. Oommen has recommended and certified SMD Reflow Accreditation for ITI Palakkad plant and assured to issue a certificate by end of June 2017.

Shri S. Gopu, CMD visits ITI Raebareli

Shri S. Gopu, CMD visited Raebareli plant on June 2, 2017. He was welcomed by Shri S P Gupta, DGM-RB, Unit Head, senior officers, representatives of employees’ union and officers association. CMD held meetings and discussions with senior management officers and reviewed the progress of ongoing projects. Shri Gopu stressed on the timely execution of GPON orders. He also urged all the employees to put all out efforts for the completion of GPON projects on top most priority with dedication.
Mankapur plant has initiated a concept of ‘Finishing School’ to impart professional training for aspiring engineers to demonstrate the application of theoretical concept and physical translation of technologies. Shri A K Bajoria, AGM-MKP, Unit Head inaugurated a session ‘Finishing/Summer School-2017’ in the presence of Shri C B Verma, DGM-Q&CD, Shri S. Satyapriya, DGM-Marketing & MIS, Shri Y S Chauhan, HR-Head, senior officers, faculty members and students on June 22, 2017. The Finishing School gives excellent opportunities to the engineering student’s on-the-job training, exposure to new and emerging technologies, skills, knowledge related to specific useful competencies and industry interaction. This training has specific goals of improving one’s capability and gaining technological developments with practicing engineers to upgrade their competitive excellence. Around 169 engineering students from 72 colleges across the country have undergone Finishing/Summer School training at Mankapur plant.

The phenomenal growth of the Indian telecom industry has brought to the fore the growing importance of the country as a knowledge powerhouse. The telecommunication sector has emerged as a key driver of economic and social development in an increasingly knowledge intensive global scenario.

Sustained adoption of modern technology enables the telecom industry to overcome developmental challenges in education, health, employment generation, financial inclusion and much more. Today, India is one of the fastest growing telecom markets in the world and its unprecedented increase in teledensity and sharp decline in tariffs in the sector have contributed significantly to the country’s economic growth.

The telecom industry contributes to about three per cent to India’s GDP and helps accelerate the growth of the economic and social sectors. The socio-economic impact of this growth on the country is significant. Recognizing these new opportunities and the imperatives arising from the challenges in terms of consumer needs, technology and structure of the industry, the Centre has adopted various initiatives to pave the way for the next revolution in growth of telecom services.

To spur the telecom revolution in the country, ITI Limited, India’s first public sector and premier telecom company has carved a niche for itself in the telecommunication segment by contributing 50 per cent to the present national telecom network. ITI Ltd (Formerly known as Indian Telephone Industries Limited) started its state-of-the-art manufacturing facility in Bangalore in 1948 and expanded to other six locations in Bengaluru, Naini, Rae Bareli, Mankapur, Srinagar and Palakkad, along with an in-house R&D centre in Bengaluru and marketing-cum-service outlets spread across the country. The company offers complete range of telecom products covering the whole spectrum of switching, transmission, access and subscriber premises equipment.
Besides offering the latest telecom solutions and customized support to a variety of business, ITI has dedicated Network System Unit for carrying out installation and commissioning of equipment and for undertaking turnkey projects. ITI is focused on manufacturing of diversified products for defence and railway sectors. It also engaged in manufacturing of solar equipment, NGN products, GPON, LED lighting systems, optical products, PMP microwave along with other allied products like HDPE, OFC, LI-ION batteries, smart cards, defence equipment, Wi-Fi, etc.

Highlighting the company’s achievement for the year 2016-17, Shri S. Gopu, CMD, ITI Ltd, says, “I am delighted with the company’s financial performance along with the strategic initiatives taken in last one year. This will allow us to continue to drive strong revenue growth and improved profitability in the coming years.”

Secure Communications for Defence

Secure communications is the company’s forte with a proven record of engineering strategic communication networks for India’s defence forces for last six decades. ITI is the pioneer in design, manufacture and supply of encryption equipment in the field of encryption technology for more than four decades with the highest number of approvals. ITI has supplied a wide range of encryption products ranging from very low bit rate (Kbps using RS-232) up to STM-4 (622 MHZ)) which have been successfully deployed and are operational in the national defence networks like Bluestar, Civicon, Project Dhruv, ASCON Phase I, II & III, Pouncing Panther, Assam Rifles, IDS, MUX, DCN, AWAN II project, etc.

Data Center Services

ITI is the first PSU to start operation of a Tier-III plus data centre with 350 rack space on PPP model during the year 2009 with a list of prestigious customers, which includes major banks, government institutions and strategic state government entities. ITI aims to expand its data centre operations by building a Tier-III plus (Uptime 99.982%) data centre with 1000 Rack space at Bengaluru and 200 racks space data center at Naini acting as DR site and vice versa in the first phase with an investment of Rs 200 Crore to provide customer centric services to government organizations and corporate entities. The new data centre is proposed to go live in October 2017. ITI also plans to offer end to end data centre hosting services including co-location, bandwidth and managed services.

Complimenting Government’s Vision with Digital Services

ITI is committed to the ‘Digital India,’ ‘Make in India,’ ‘Skill India,’ and ‘Smart Cities’ initiatives of Government of India. ITI has launched TAG ITI Digital Wallet Service to provide cashless transactions to the nation’s economy under the Digital
India Initiative of GoI. 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 flagships of Pradhan Mantri Kaushal Vikas Yojana. ITI also pledged for ‘Swachh Bharat Pakhwara 2016’ as a step towards cleanliness during November 1-15, 2016 under ‘Swachh Bharat Mission 2016’ in line with Prime Minister’s vision to achieve total sanitation and cleanliness by October 2, 2019, and to spread the message for keeping the work place and surrounding areas clean across all manufacturing units and regional offices.

**Endeavors in the Pipeline**

The PSU major is planning to explore business opportunities in the IoT, e-Governance, ICT areas in addition to telecommunication and defence projects. With the support of Government of India, ITI has already upgraded the electronics manufacturing infrastructure to supplement indigenous manufacturing. ITI intends to take up solutions depending upon industry requirements for encryption of mobile handsets, HF Radio, Software Defined Radio (SDR), STM 256/40G IP, Encryption with public key. The company is consolidating 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 for Network Management Systems, Encryption and Networking Solutions for Internet Connectivity. ITI became L1 in NFS encryption tender and an order worth Rs. 90 Crore is expected shortly. This is the in-house developed product by R&D, Bangalore plant.

**Contributing towards a Developed Society**

As a part of 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. The school focuses on every child in achieving independence in all aspects of life. At present, the school helps the children in skill development like candle making, paper cover making, cross stitch, telephone mats, foot rugs, chalk pieces, pots and diya paintings, and greeting cards.

**Keen on Investor Interest and Industry Future**

As far as future of telecommunications is concerned, experts believe that the Indian telecommunication sector is expected to witness fast growth in the next few years. With favourable regulatory environment, support from the government and efforts of the industry, India will achieve a substantial boost in the telecom equipment manufacturing sector and ITI will take this opportunity to get back the glory by fulfilling the requirement of industry.

**[Article contributed by: Ajay Gautam, Dy. Manager (PR), ITI Limited]**