

आईटीआई लिमिटेड की गृह पत्रिका

A House Journal of ITI Limited

DOORVANI

www.itilttd-india.com



Vol.11 No.3

May-Jun 2016

ITI LIMITED

(A Government of India Undertaking)

Since 1948



Total Solutions for Global Communications

ITI turnover nearly triples in First Quarter

The year 2016 has shown silver linings for the turnaround of ITI Limited, thanks to the Government, which has extended its full support for the revival of ITI. The Q1 for this fiscal year 2016-17 shows the trends for growth nearly tripling its turnover to Rs 340.59 Crore as against Rs 126.38 Crore registered during the corresponding period, in the previous year 2015-16. ITI has achieved more than double of previous year's annual turnover for the year 2015-16, recorded at Rs 1253 Crore against Rs 620 Crore reported in the previous financial year. ITI



recorded a profit of Rs 251 Crore in the financial year 2015-16 for the first time in the last 14 years, with the support of grants from Government of India. With the help from Government of India and combined efforts, the company has restricted the losses, which were incurring for the last many years, and is now firmly planning to take up newer sunshine projects to go ahead towards profitability and sustainability. There has been remarkable improvement in all sectors, be it the financial health, sales, execution of projects or contribution and is partly due to the new projects and also due to the support being extended by the Government for the overall improvement of ITI bringing hope of revival. With the implementation of more projects and drivers like, 'Make in India', 'Digital India' and 'Skill India', company looks forward for brighter days ahead.



The Government of India Budget for 2016-17 has proposed significant amount to ITI under the revival plan. The CCEA had approved a financial package of Rs 4156.79 Crore for the revival of ITI on February 12, 2014, which consists of Rs 2264 Crore towards capex for upgradation of infrastructure and implementation of various projects in all the plants of ITI. Out of the Rs 2264 Crore, an amount of Rs 192 Crore allocated under plan head was released in February 2015. The proposal includes expenditure under plan head for upgrading

infrastructure and implementation of new projects and the amount is allocated as grant-in-aid. The amount of Rs 192 Crore released earlier is being utilized by the company for implementing new projects like HDPE Pipe manufacturing, OFC cable manufacturing, GPON products manufacturing with CDOT technology, Telecom Encryption products for Defence, establishing own Data centre, Lithium ION Battery manufacturing, SMPS, Component screening, Broad Band Wireless Terminal (BBWT), low power BTS, Solar panel, Vehicle Tracking System (VTS), Contract manufacturing, Business with PSUs etc.

CCEA approves Reservation quota for ITI Ltd.

The Cabinet Committee on Economic Affairs (CCEA) has approved the DoT's proposal for continuing reservation quota for ITI Limited in procurements made by BSNL, MTNL and Bharat Broadband Network Limited (BBNL). According to the Reservation Quota policy, "30 per cent of the procurement orders placed by BSNL, MTNL and BBNL will be reserved for ITI Ltd for the products manufactured by it and for those outsourced items in which there will be a minimum 5 per cent value to be added by it during 2016-17 and 8 per cent value addition in 2017-18. 20 per cent of the orders will also be kept reserve for the state-run company for the turnkey projects like global system for mobile communication network rollout of

BSNL and MTNL and for national optical fibre network (NOFN) rollout for BBNL will ensure enough orders for ITI for the production activities. ITI would accept orders under reservation quota only after the price is known and if the same is commercially viable. ITI shall exercise its option under Reservation Quota within 15 days of bid opening. The policy measures shall remain in force for a period of two years." Provision of reservation quota from BBNL will provide further boost to the order book of ITI and help in improving its financial health. It will also help in generating more employment opportunities in the Company particularly in the field of new telecom technologies.

ITI to digitize certificates of CBSE with tamper-proof solutions

Shri K K Chaudhary, Controller of Examinations and Dr Antriksh Johri, Director (IT) from CBSE Board visited ITI Bangalore, held discussions with Shri P K Gupta, CMD, ITI Limited and Functional Directors on June 1, 2016. ITI Bangalore plant received its pilot and first business order from CBSE Board under Software as a Service (SaaS) as per Government of India's plan to digitization of certificates. The scope of the order is to introduce PKI enabled QR secure code generation for CBSE certificates for XII Standard Board Examination. Shri K K Chaudhary, and Dr Antriksh Johri, visited Data Center, ITI Bangalore Plant and handed over the hard disk for generating QR secure code for 8.3 lakh certificates of CBSE XII Standard on June 1, 2016.



ITI Ltd is all set to transform the way certificates or documents can be preserved and treasured in the digital era. With the expertise level, ITI is aiming to provide a first of its kind digital solutions to the Government of India's plan for digitalization of certificates of important institutions such as - CBSE. ITI has designed a solution to secure important documents / certificates such as mark-sheets, ID cards, degrees and other important records of major institutions, which can be verified by a simple mechanism to detect fraud or tampering. ITI Team has concluded the formal discussions with the Ministry of HRD to implement this tamper-proof digital solution for securing certificates / documents for CBSE.





The project implementation is expected to begin at the earliest with a task of converting all physical certificates into digitalized format. The solution expects to lure good market for securing certificate/mark-sheets of Universities/ Educational Boards, various types of ID cards, issued by Government agencies. The solution proposes to embed an encrypted Quick Response (QR) code for such documents/ cards that will cover and protect all content of the documents. This QR code will come as tamper-proof and can be accessed through an

application running in smart phones / tablets / personal computers. It uses the Dual Key Scheme, where in one key is used for generating the code and the other one for validating the code. Apparently, any tampering of data will cause failure of QR code. ITI has tied up with a technology partner for offering this solution.

Shri R M Agarwal appointed as Director on ITI Board

Shri R M Agarwal, DDG (SU), DoT, has been appointed as Government Director on the Board of the Company with effect from June 8, 2016. He is an Indian Telecommunication Services Officer of the 1986 batch, having a rich experience for more than 28 years in policy formulation, standardization planning, operations and maintenance of Telecom services. Presently responsible for coordinating, facilitating and monitoring performance of PSU's under DoT. He is member-convenor of a Committee, constituted by the Government to recommend a suitable framework for implementation of Net Neutrality in India.



ITI Ltd forays into GPON manufacturing to fulfill rural India's broadband dream



ITI, has won the prestigious GPON manufacturing project of BBNL (Bharat Broadband Network Ltd) to provide equipments to connect 2.5 lakh Gram Panchayats (GP) of India. ITI has bagged the turnkey solution purchase order for the supply, installation & commissioning and maintenance of GPON and its associated equipments for the ambitious NOFN (National Optical Fibre Network) project of BBNL. The GPON project for ITI is estimated to be over Rs 200 Crore, out of the total tender value of Rs 500 Crore.

For the very first time, ITI will manufacture the required GPON infrastructure, under the

'Make in India' mission, at its Raebareli (UP) plant with the technology support from C-DOT Bengaluru. GPON (Gigabit Passive Optical Network) technology has low power consumption equipment and can be backed up by Solar Power to ensure 24/7 availability and it helps to

connect blocks to GPs on point to multi-point connections. GPON technology will be used for the first time in a geographically widespread country, such as India. ITI Ltd considers this project order to be one of the biggest in the recent times, which itself will give boost to its turnaround plan to revive and strengthen the company. The company has reportedly doubled its annual turnover during the Financial Year ending 2015-16.



Through this project, ITI will be able to play a vital role in providing broadband connectivity to rural India. Under the Government's 'Digital India' mission, NOFN is set to link 600 million rural citizens of India across 2.5 lakh Gram Panchayats of India spread over 6600 blocks and 631 districts through broadband optical fibre network. BBNL has the responsibility to centrally manage the project. With this project, NOFN

will provide a minimum bandwidth of 100 Mbps to each of the 2.5 lakh GPs thereby facilitating delivery of e-governance, e-health, e-education, e-banking, public internet access and other digital facilities to rural India.

ITI forays into Smart Jammer equipments, signs MoU with a Russian major

ITI has made a foray into the field of SMART JAMMERS by signing MoU with a Russian company. Analysing the business volume in the Indian market, this product is of superior quality than those already available in India. This project has been allotted to Bangalore plant and is under implementation. A jammer is a device, which transmits signals on the same radio frequencies as the cell phone. Jamming devices overpower the cell phone by transmitting a signal of the same frequency and at a high enough power that the two signals collide and cancel each other, thus denying service.

The jammer denies service of the radio spectrum to the cell-phone users within range of the jamming device varying from a few feet to around 3 to 4 kms.

Jammers are broadly classified into two types: Barrage jammers & Smart jammers. Barrage jammer for low cost small area jamming is mainly used in examination centres, hospitals, places of worship etc. either on a temporary or semi-permanent or permanent basis. Smart Jammer or Frequency spot jammer is a receiving - transmitting equipment that receives communication signals, performs its fast processing analysis and generation of frequency spot jamming signals at the frequency of the threat communication signal. Frequency spot jammers can use one receiving - transmitting antenna, two antennas (one for transmission & one for reception) or distributed antenna field. Different design variants are available depending on its application.



Areas of Application:

- For suppression of IEDs in mobile, portable and stationary design variants in the given frequency range.
- For suppression of military mobile communication systems including tanks communication systems with frequency hopping etc.

- To restrict communication in sensitive zones like defence area, R&D centres, jails, conference halls, commercial complexes, other public entertainment places etc.
- The mobile version of these jammers can be used to secure a public place used by a VVIP where power can be a challenge.
- To restrict the nuisance created by constant mobile clatter in public places like cinema halls, railway stations, hospitals etc.
- To interrupt communications by criminals, terrorists and to avoid bomb threats etc.

Advantages of Smart Jammers:

- Jamming signal has less loss in the receiver of the suppressed mobile phone.
- There is no interference to the mobile phones that are outside the given spatial zone.
- Generated jamming is spot in terms of carrier frequency, time domain and location zone.
- Jamming activities does not create any interference with work of the base stations.
- There is no jamming if mobile phones in the controlled zone are inactive.
- Bio hazard for the personnel are much less.
- Jammers require less power and it increases its reliability and provides longer operation time from the batteries in case of some failure of the stationary equipment.

Lt Gen Nitin Kohli, AVSM, VSM visits ITI Bangalore Plant



Lt Gen Nitin Kohli, AVSM, VSM, Government Director visited ITI Bangalore plant on May 6, 2016. He was welcomed by Functional Directors Shri S Gopu, Director (Human Resources), Dr. Janaki Ananthakrishnan, Director (Finance), Shri K Alagesan, Director (Production), Shri J Premchand, AGM-BGP, Shri L C Redepa Chetty, AGM-R&D and senior officers of ITI. TESD (Terminal End Secrecy Device) is a Defence project gearing up for manufacturing and meeting the deadline at Bangalore Plant. During the visit, he reviewed the progress of the TESD Defence project with the Functional Directors, Unit Head and senior officers.

ITI Celebrates World Telecommunication and Information Society Day 2016



ITI celebrated 151st World Telecommunication and Information Society Day (WTISD) on May 17, 2016 across ITI plants with the Universal ITU Theme “ICT Entrepreneurship for Social Impact.” Essay and slogan writing competitions were held and the celebrations concluded with the valedictory function on May 17, 2016 at ITI Bangalore plant, R&D Conference Hall. Shri N Janardhana Rao, GM-NBC (National Broad Band Coordinator) delivered the keynote address on the theme. Dr. Janaki

Ananthkrishnan, Director (Finance) and Shri K Alagesan, Director (Production) spoke on the importance of World Telecommunication and Information Society Day and the significant contribution made by ITI Limited during the years. Dr. Janaki Ananthkrishnan, Director (Finance) distributed Prizes to the winners of the competitions.

At Raebareli plant, Shri R Krishnaprasad, AGM-RB, in his address emphasized the importance in unlocking the potential of ICTs for young innovators and entrepreneurs, Innovative SMEs, Start-ups and technology



hubs as drivers of innovative, practical solutions for catalyzing progress in achieving international sustainable development goals with a focus on SMEs from developing countries.

Shri Abraham P Thomas, Acting Unit Head inaugurated the programme at Palakkad plant. Smt E K Jayasree, DGM (ACM) delivered the keynote address and speech on the theme during the valedictory function in the presence of senior officers and employees.



At Mankapur plant, Shri A.K. Mondal, DGM-CS/Officiating Unit Head inaugurated the function by lighting lamp. The programme was jointly organized by ITI, IETE Center and



ITI Sports and Cultural Council on May 17, 2016 at EDC Auditorium.

Shri Pradeep Pande, General Manager, Unit Head, Naini plant on the occasion of World Telecommunication and Information Society Day addressed the senior officers, employees on the ITU theme in the Conference Hall. He



explained the importance of ITU, ITU's role in making advances, innovations in communication helping the people connect the world, the role of ICT's making a significant social impact helpful in achieving sustainable development, social and economic growth.

ITI Observes Anti Terrorism Day on 21st May 2016



The Anti Terrorism Day was observed across ITI plants on May 21, 2016. Dr. Janaki Ananthakrishnan, Director-Finance administered the pledge at ITI Corporate Office.

C-DOT Officials visit ITI Raebareli Plant



The Centre for Development of Telematics Officials - Shri Praveen Mathur (Director), Shri Ravinder Ambardar, Group Leader (GPON) from C-DOT, New Delhi and Shri Z A Khan, Group Leader (Pilot Production & Manufacturing Support) from Bangalore C-DOT visited ITI Raebareli plant for two days from 16th to 17th June, 2016. Shri R Krishnaprasad, Unit Head and senior officers welcomed the C-DOT officials. During the visit, C-DOT officials recognized the excellent Infrastructure facilities of BTS, GPON, SMPS assembly and testing areas of the plant. They discussed with Unit Management, senior

officers and recommended to explore the preparedness of ITI for meeting the timely supply targets of C-DOT based GPON equipments to BBNL (Bharat Broadband Network Ltd). The team also inspected CNC Punch and Press, Rack Assembly, Painting Shop, Electronic Assembly, Mechanical Manufacturing and Assembly and discussed key points related to GPON Rack manufacturing and Assembly requirements (Mechanical).

In-House Training program for ISO 9001:2015 at NSU



Two days in-house training program was organized by NVT Quality Certification, Bangalore for the migration from ISO 9001:2008 to ISO 9001:2015 at NS Unit, Conference Hall from 26th May to 27th May 2016. The training included migration procedure, ISO 9001:2015 Internal Audit process focused on the introduction of new terminology, restructuring some of the information, an emphasis on risk-based thinking to enhance the application of the process approach, improved applicability for services and increased leadership requirements.

ISO 9001 is based on the plan-do-check-act methodology and provides a process-oriented approach to documenting and reviewing the structure, responsibilities and procedures required to achieve effective quality management in an organization. ISO 9001 is the international standard that specifies requirements for a quality management system (QMS). ITI NSU was awarded ISO 9001:2008 certification from Jan 1, 2010 and the certificate was renewed further from December 22, 2015 up to September 14, 2018. As per the ISO 9001 standards it is mandatory for all organizations to transit from ISO 9001:2008 to ISO 9001:2015 as the validity of the certificate expires.



ITI NSU successfully completes ASCON Phase IV RFP



NSU Team has successfully completed the ASCON Phase IV RFP project on May 30, 2016. Indian Army has completed “ASCON Phase IV Technical Evaluation” in line with their requirement. After successful completion of ASCON Project Phases - I, II & III on turnkey basis, NSU has completed the Technical Presentation of ASCON Phase IV to Indian Army for the job of state of art optical fibre cable technology which forms the backbone optical network and microwave radio tower for microwave communication successfully.

ITI pledges for 'Swachh Bharat Pakhwada 2016'

ITI Raebareli team pledged for cleaner India under 'Swachh Bharat Mission' in line with the call given by Hon'ble Prime Minister to achieve total sanitation and cleanliness by 2nd October, 2019 to spread the message for keeping the work place and environment clean. As a part of the national campaign by the Government of India, Shri R Krishnaprasad, Unit Head, senior officers, joint forum, officers association, employees union and employees along with family members actively participated in the 'Swachh Bharat Pakhwada 2016'. All of them took one step towards cleanliness, actively participated in the cleanliness drive by cleaning inside, outside of Raebareli plant, township area in order to keep the premises hygienically clean, neat and pollution free on May 27, 2016.



At Naini plant 'Swachh Bharat Pakhwada 2016' was organized from May 16, 2016 to May 31, 2016. Shri Pradeep Pande, Unit Head, GM-N actively spearheaded the cleanliness drive and gave call to the employees should neither litter, nor let others litter. He spread the mantra of 'Na gandagi karenge, Na karne denge' and exhorted each and every employee to keep the premises hygienically clean, neat and pollution free in Office, factory and township area on daily basis beyond this pakhwada. Senior officers, Union





Mazdoor Sangh, Officers Association and SC/ST Cell representatives, employees along with family members took one step towards cleanliness, actively participated in the cleanliness drive by cleaning inside, outside of Naini plant, township area and pledged for cleaner India making the 'Swachh Bharat Pakhwada 2016' successful as a part of national campaign by Government of India.

ITI celebrates World Environment Day 2016



World Environment Day 2016 was celebrated at Raebareli plant on June 6, 2016 with the universal theme "Fight against the Illegal Trade in Wildlife." Shri R Krishnaprasad, Unit Head in his address explained the importance of wildlife, expressed every individual's role in protecting mother earth. Unit Head, Senior Management officers and joint forum representatives planted saplings in the garden of Admin building aiming to protect the unique and life nurturing nature. Shri G C Ghosh, Chief Environmental Officer organized a seminar in Hindi Hall of Employees Development Centre (EDC) and held discussions on the latest environmental issues in the world. Quiz on Environment, slide show presentations on theme was organized which were very informative and knowledgeable, educative banners related to latest environmental issues were displayed at prime locations of the factory to create awareness among employees to protect ecology.

World Environment Day 2016 was celebrated at Mankapur plant on June 6, 2016. Shri A K

Bajoria, Unit Head spoke on the theme "Fight against the Illegal Trade in Wildlife" to save wildlife and protect the ecology. Shri A K Bajoria, DGM-MKP, Shri B N Mishra, Senior



Environment Officer, Senior Officers, Secretary, Officers Association, Secretary, ITI Karmachari Sangh planted tree saplings in ITI Township in the presence of employees to create global awareness about importance of healthy, green environment in human lives to solve environmental issues.

World Environment Day 2016 was celebrated at Palakkad plant on June 4, 2016 by displaying banners with the theme "Fight



against the Illegal Trade in Wildlife" in the factory premises. Shri T N S Raghavan, Unit Head, addressed on the theme protect wildlife

and the importance of healthy, green environment in the human lives in solving the environmental issues. He planted a sapling near the First-Aid Centre of the factory to mark the day followed by senior officers planting saplings and all the employees were distributed saplings to raise awareness to protect nature and the planet earth.

ITI commemorates 2nd International Day of Yoga 2016

2nd International Day of Yoga was celebrated across ITI plants with enthusiasm on 21st June 2016. Shri P K Gupta, CMD, ITI Limited presided over the function held at Bengaluru. He in his address expressed 'Yoga is not a mere exercise, it is a holistic science, science of well-being, science of youthfulness, science of integrating body,



mind and soul. Habit of practicing yoga on daily basis offers uniting body and mind, which brings harmony, peace and makes body fit, healthy, improve confidence level, contribute to the productivity of the organization.'

A Yoga demonstration and practice session was conducted on this occasion under the guidance of professional Yoga Rathna Dr. S N Omkar, Chief Research Scientist, Department of Aerospace Engineering, IISc, Bangalore.



He explained the role of yoga and how Yoga helps employees to relieve stress. The session was attended by Functional directors Dr. Janaki Ananthakrishnan, Director (Finance), Shri K Alagesan, Director (Production), Shri S

S Chakrabarti, GM-NS Unit, Shri J Premchand, Unit Head, Bangalore, senior Officers, Office Bearers, Committee Members of Officers Association, Employees Union.

At Raebareli plant Yoga day was conducted at ITI Officers club. Shri R Krishnaprasad, AGM-RB, Unit Head, senior officers, Representatives Officers Association,



Employees union, employees and family members of Doorbashnagar participated in the event. Yoga practicing session was held under the guidance of Yoga teacher who explained the health benefits of practicing yoga on daily basis to keep body fit, mind healthy, harmony, peace and holistic approach of well-being.

2nd International Day of Yoga was celebrated at Mankapur plant in ITI Officers club hall, Sanchar Vihar, Mankapur on June 21, 2016.



Shri A K Bajoria, DGM-MKP, Unit Head in his address emphasized that 'Yoga offers a simple, accessible, inclusive means to promote physical, spiritual health and well-being.' A

Yoga camp was conducted under the guidance of Patanjali Yoga Instructor demonstrating several conventional asanas, breathing control exercises useful in daily life to keep body fit, mind healthy, relieve from stress and holistic approach of well-being. Mankapur Unit Head, senior officers, officers association, employees union, employees along with family members attended the yoga camp/session.

At Palakkad plant, Shri T N S Raghavan, Unit Head in his address expressed that yoga is not



only for preventive health care, but it is a holistic approach, which can connect our mind and body. Isha Yoga Foundation,

Coimbatore conducted session on 'Up-Yoga'. The session was attended by senior officers, Representatives of Officers Association, Employees union and employees.

At Naini plant Shri Pradeep Pande, Unit Head, GM-N inaugurated the Yoga camp by lighting the lamp and shared views about the benefits of yoga in daily life and advised to adapt yoga in daily routine. Dr. Naresh Kumar, SMO-1 and Yoga trainer Shri Pankaj Tandon shared their views about yoga in daily



life and demonstrated five types of Pranayam and yogasanas which was attended by senior officers, officers association, union representatives and employees.

प्रशासनिक वाक्यांश / Administrative Phrases

स्वीकृति की प्रतीक्षा है	Acceptance is awaited
यथा प्रस्तावित कार्रवाई की जाए	Action may be taken as proposed
कार्यसूची साथ भेजी जा रही है	Agenda is sent here with
अपवाद के रूप में	As an exceptional case
बजट में व्यवस्था है	Budget provision exists
पूर्व पृष्ठ पर निर्देशानुसार मामला पुनः प्रस्तुत है	Case is resubmitted as directed on prepage
सक्षम प्राधिकारी की मंजूरी आवश्यक है	Competent authority's sanction is necessary
समेकित रिपोर्ट प्रस्तुत की जाए	Consolidated report may be furnished
सुलभ संदर्भ के लिए प्रतिलिपि संलग्न	Copy enclosed for ready reference
विलंब के लिए खेद है	Delay regretted
अर्ध-शासकीय / अर्ध-सरकारी पत्र	Demi-Official (D.O) letter
यथासंशोधित मसौदा / प्रारूप प्रस्तुत है	Draft as amended is put up
उत्तर का प्रारूप/मसौदा अनुमोदन के लिए प्रस्तुत है	Draft reply is put up for approval
चर्चा के दौरान	During the course of discussion
अनुरोध है कि इस मामले में शीघ्र कार्रवाई करें	Early action in the matter is requested
एकपक्षीय निर्णय	Ex-parte judgement
अनुवर्ती कार्रवाई	Follow up action
के लिए और की ओर से	For & on behalf of

Dear Readers,

We welcome contributions from all our readers and well wishers. Only those contributions that add value to the publication will be accepted. We reserve the right to edit and not to publish the items submitted to us.

Please write to doorvani_crp@itilttd.co.in for sharing your comments & suggestions.

Edited & Published for ITI Limited (A Govt of India Undertaking, under the Ministry of Communications & IT) from Registered & Corporate Office : ITI Bhavan, Dooravaninagar, Bangalore – 560016 by T. Krishnadas Rai, Chief Manager - HR & PR and printed by him at **Shakthi Printech**, No.16, 3rd Cross, 2nd Main, R.C. Puram, Bengaluru - 560 021.

The views expressed herein do not necessarily represent those of the Management.

Editorial Associate – **Geetha Pinto**

Additional contributions – **Surendran S** (Palakkad), **Kaushal Kumar** (Raebareli), **Shruti Kumari** (Mankapur) **J.K. Goel** (Naini), Photo Credits – **T T Muthu** (Bangalore)

