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Quarterly: July 2016- September 2016



सत्यमेव जयते

दूरसंचार विभाग  
Department of Telecommunications  
संचार मंत्रालय  
Ministry of Communications  
भारत सरकार  
Government of India  
नई दिल्ली  
New Delhi

## त्रैमासिक न्यूज़लेटर Quarterly Newsletter



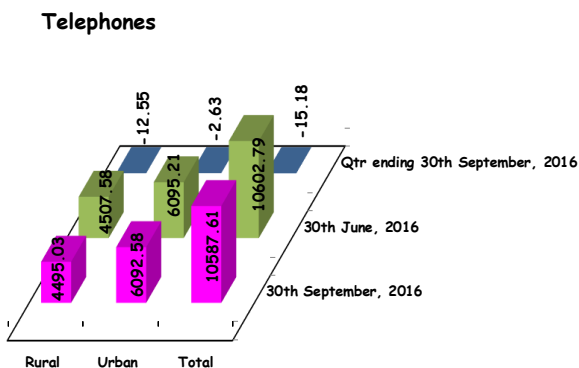
Today, India is one of the fastest moving telecom markets in the world with its unprecedented increase in tele-density and sharp decline in tariffs. Such vibrancy in the telecom market plays a significant role in the country's economic growth.

The Government has launched an ambitious '**Digital India**' programme to transform India into a digitally empowered society. As part of this ambitious programme, the Government has initiated the project BharatNet, a high speed digital highway to connect Gram Panchayats, has the potential to connect every nook and corner of the country digitally and deliver e-governance services to its citizens.

This Quarterly Newsletter tries to highlight the major initiatives and achievements of the DoT, during the quarter ending **September, 2016**.

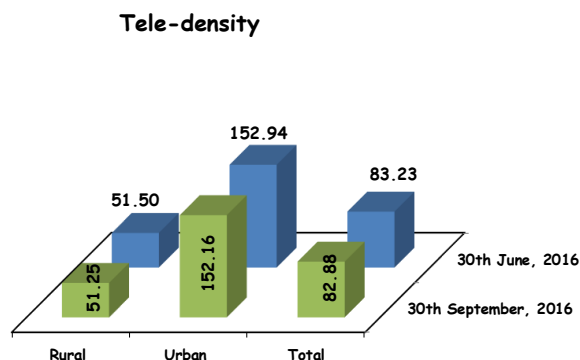
## Indian Telecom Scenario

The number of telephones has declined to 10587.61 lakh as on 30<sup>th</sup> September, 2016 from 10602.79 lakh on 30<sup>th</sup> June, 2016, registering a decrease of 15.18 lakh during the period. This fall is attributed to a decline in number of telephones in the private sector by 55.18 lakhs during the period.



The tele-density, which was 83.23% in the

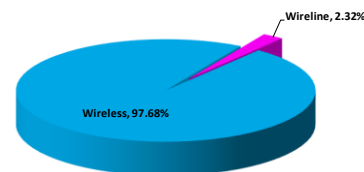
beginning of the quarter declined to 82.88% by the end of the quarter June-September 2016.



## Compositional Changes

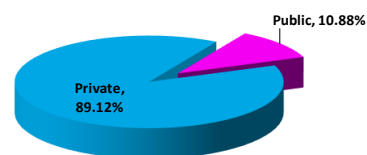
### Wire line Vs. Wireless

The preference for use of wireless telephony continues. This is confirmed from the rising share of wireless phones, which has reached 97.68% (10342.38 lakh) as on 30<sup>th</sup> September, 2016. On the other hand, the share of wire line was 2.32% (245.23 lakh) as on 30<sup>th</sup> September, 2016.



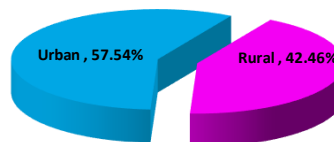
### Public Vs. Private

In public sector, there was an increase of 40.00 lakh phones during the quarter ending September, 2016. However, in private sector there was decrease of 55.18 lakh phones during the same period and total telephones in the country decreased by 15.18 lakh. The public sector having 1152.35 lakh (10.88%) phones as against 9435.27 lakh (89.12%) phones of the private sector as on 30<sup>th</sup> September, 2016.



## Rural Vs. Urban

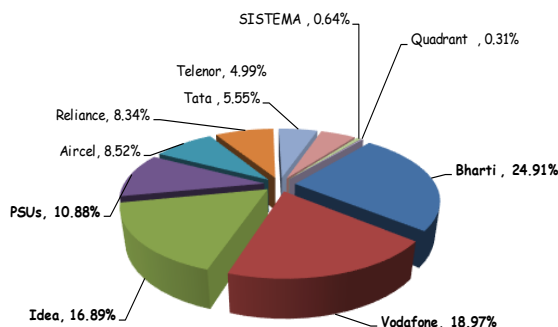
There has been increasing trend in the share of rural phones in the total phones. As on 30<sup>th</sup> September, 2016, the share of urban was 57.54% (6092.58 lakh) compared to 42.46% (4495.03 lakh) of rural areas.



The rural tele-density stands at 51.25% as compared to the urban tele-density of 152.16% as on 30<sup>th</sup> September, 2016.

## Operator wise performance

The operator-wise analysis indicates that PSUs' still have a large share of 70.88% in the wire line segment. Private operators, on the other hand, have a share of 90.54% in the wireless segment and 89.12% in total phones reported as on 30<sup>th</sup> September, 2016. Bharti has the highest share of 24.91% in the total telephones, followed by Vodafone (18.97%), Idea (16.89%), PSUs (10.88%) and Aircel (8.52%).

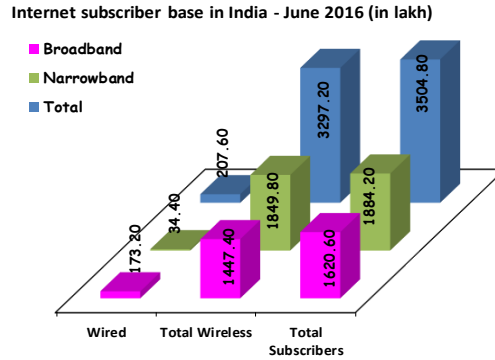


## Internet Penetration

Internet usage in the country is on the increase. The number of Internet subscribers (both broadband and narrowband put together) which was 3426.50 lakh at the end of Mar.'16 has increased to 3504.80 lakh by the end of June, 2016, a rise of 2.29%.

Trends of Internet Subscribers (in Lakh)						
Total Internet Subscribers (Includes wired, fixed Wireless and Mobile Wireless)	Mar.'15	Jun.'15	Sept.'15	Dec.'15	Mar.'16	June'16
		3023.50	3194.20	3249.50	3316.60	3426.50

The number of subscribers accessing internet via wireless phones etc. was 3297.20 lakh and there were 207.60 lakh wired internet subscribers at the end of June, 2016. Wireless internet subscribers constitute 94.08% of the total internet subscribers.

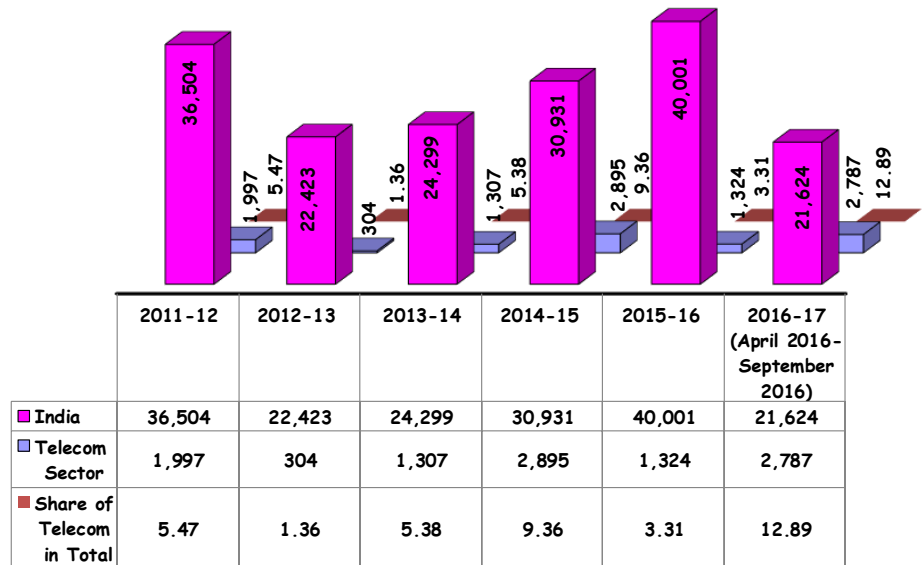


The number of Broadband subscribers, which was 1620.60 lakh at the end of 30th June'16, increased to 1923.0 lakh as on 30th September'16 with an increase of 302.40 lakh.

### Foreign Direct Investment (FDI) Inflows

FDI in telecom sector has helped the expansion of telecom services in the country which has led to affordable telecom services to the masses and created greater employment opportunities in the country. FDI up-to 100% is allowed in Telecom Services, with up-to 49% being permitted via automatic route and beyond 49% via government route. FDI up-to 100% is also allowed in manufacturing of telecom products under the automatic route.

FDI Equity Inflows (US\$ in million)



Actual flow of FDI inflow in telecom sector "April 2000 to September 2016" is of the order of US\$ 21,169 million (₹1,11,388 crore). During the period April 2016 - September 2016, Telecommunications Sector attracted FDI Equity inflows of US\$ 2,787 million (₹18,659 crore) out of total FDI Equity inflows of US\$ 21,624 million (₹1,44,674 crore), this being 12.89% of the total FDI Equity Inflows in India during the period.

## Important Initiatives/Achievements in Department of Telecommunications during the quarter ending September, 2016 are as under:

- Department of Telecommunications has started its Twitter handle @DoT India and Facebook page with URL <http://www.facebook.com/DoTIndia> with approved logo of DoT. Important events & activities related to DoT are regularly posted on Twitter & Facebook. Social Media presence of DoT is increasing at fast pace and followers in Twitter have increased to more than 12000 and more than 1900 likes on Facebook page at the end of 2<sup>nd</sup> Quarter.
- Further, Twitter Seva of DoT commenced on 2<sup>nd</sup> August, 2016 through which public feedback/grievances, coming on Twitter handle of DoT and Hon'ble Minister, related to Telecom issues are addressed. All the Telecom Service Providers & Main Internet Service Providers have been on-boarded on Twitter Seva of DoT for forwarding the grievances related to them for quick action. Till 30<sup>th</sup> September, 2016, 4219 out of total 4223 grievances received on Twitter, have been resolved.

## BharatNet

National Optical Fibre Network (NOFN) BharatNet project is planned to connect all Gram Panchayats (approximately 2.5 lakh) in the country through Optical Fibre Cable (OFC) and by using optimal mix of underground fibre, fibre over power lines, radio and satellite media for providing broadband connectivity by all categories of service providers on non-discriminatory basis.

It is planned to provide high speed broadband connectivity to all GPs under BharatNet in three phases. Fibre connectivity (linear configuration) to 1 lakh GPs is targeted by March 2017 in Phase-I and remaining 1.5 lakh GPs using an optimal mix of underground fibre, fibre power lines, radio and satellite media by December, 2018 under phase-II of the project. A state-of-the-art network, future-proof network, including fibre between districts and blocks and with for 5G services and Internet of Things era with underground OFC in ring architecture are planned to be completed by 2023.

As on 30<sup>th</sup> September'2016, Optical Fibre Cable (OFC) has been laid in 59945 Gram Panchayats (GPs) whereas connectivity has been provided in a total of 10153 GPs and 160643 km Permanently Lubricated (PLB) pipe has been laid and 137513 km OFC has been laid.

## Telecom Connectivity in Left Wing Extremism (LWE) Affected Areas

Department of Telecom executed a project for providing Mobile Services in 2199 locations in Andhra Pradesh, Bihar, Chhattisgarh, Jharkhand, Maharashtra, Madhya Pradesh, Odisha, Telangana, Uttar Pradesh and West Bengal, which are affected by Left Wing Extremism (LWE). This large project was completed in a short period of 18 months and has brought connectivity to about 3000 villages and helped in the operation of security forces. Because of this success, the Ministry of Home Affairs has now requested a follow up project of another 2000 towers.

## Achievements of BSNL

### Important achievement / events in Broadband services

- i. Increase in Pre-Fair Usage Policy High speed quota under most popular Broadband plans for all the existing as well as new Broadband customers in all the Circles -w.e.f. 01-08-2016.
- ii. Increase in the Post-FUP speed from existing 512 Kbps to 1 Mbps across all the PAN India/Circle/SSA Specific DSL/FTTH unlimited Broadband plans (having 512 Kbps speed after high speed FUP quota) which are currently being offered to the customers - in all the Circles - w.e.f. 01-08-2016.
- iii. Launch of Promotional scheme for new landline customers with FMC of Rs. 49 w.e.f.15.08.2016.
- iv. Launch of unlimited free calling scheme to any network within India, from BSNL landline on all Sunday's w.e.f.15.08.2016
- v. Upgradation of bandwidth to all the existing & new BB customers in some of the existing PAN India Broadband plans BBG ULD 545, BBG Combo ULD 675, and BBG Rural Combo ULD 650 in all the circles – w.e.f. 01-10-2016.
- vi. National Mission for Education on Information & Communication Technology (NMEICT) Project:
  - I. 02 New Colleges connected through VPNoBB.
  - II. LAN connectivity provided in 05 universities.

### Achievement in up-gradation of MPLS links:

The renewal of around 544 Multi-Protocol Label Switching (MPLS) Links of existing bandwidth from 128 Kbps to 45Mbps to a new bandwidth varying from minimum 4 Mbps to 45 Mbps of M/s Central Board of Excise & Customs (CBEC). Further around 350 new additional MPLS Links of more than 4 Mbps bandwidth also provided. The links are on PAN India basis and spread over throughout the country. Now BSNL will get revenue of around ₹197 Crores spread over next 5 years.

## Achievements of C-DOT

### Launch of New Innovative Telecom Products at CDOT Foundation Day

C-DOT's Foundation Day was celebrated on 30<sup>th</sup> and 31<sup>st</sup> August 2016 at CDOT Delhi and Bangalore. The event was inaugurated by Sh. Manoj Sinha, Hon'ble Minister of Communications, GoI. On this occasion, Sh. Manoj Sinha, Hon'ble Minister of Communications, GoI also launched C-DOT's three new products - WDM-PON, Sabal (High



Speed Access Point) and Samvad App for Secure Communication. Secretary DoT, Member (T) and Senior officials from DoT, PSUs, telecom fraternity and Academia graced the occasion. The two-day event had technical lectures and workshop by Dr. Goutam Chattopadhyay, Senior Research Scientist, NASA-JPL, California, USA and Sh. Narendra Karmarkar, Renowned Indian Mathematician.

### Achievements of ITI Limited

#### DoT and ITI Conference on Development of Smart Infrastructure

A two-day Conference on Development of Smart Infrastructure was held jointly by Department of Telecommunications (DoT) and ITI Limited from 8<sup>th</sup> to 9<sup>th</sup> August, 2016 at Convention Centre, SCOPE Complex in New Delhi. ITI Ltd, the country's first telecom equipment manufacturing PSU, under the Government's 'Digital India' program has taken initiative in



organizing this conference on development of smart infrastructure with a focus on Internet of Things (IoT) / Machine to Machine (M2M) Communication. The conference aimed at garnering synergy among all the PSUs/ organizations under DoT to take advantage of the strengths of each one of them to achieve phenomenal growth in this field and to enrich their business potentials from the growing market. In addition, this will pave the way in creating end-to-end solution and applications in development of smart cities and the organizations of DoT will leverage the strength of private sector to participate in smart infrastructure creation.

#### National Safety Awards Conferred on ITI Raebareli

ITI Raebareli has been conferred with the National Safety Awards for Outstanding Performance in Industrial Safety during the Performance Year 2014 for maintaining consistent safety standards.



ITI's customary practice of maintaining 'Safety First' at its establishments has been recognized by Government of India. Raebareli plant has received the Awards and

Certificates in two schemes - 'Runner-UP' for achieving Lowest Average Frequency Rate and 'Runner-UP' for



achieving Accident Free Year during the Performance Year 2014.

### Turnover of ITI increases in 2<sup>nd</sup> Quarter of FY 2016-17

The Q2 for this Fiscal year ended September 2016, shows the trends for growth, Company has achieved the turnover of ₹718.11 Crore as against ₹484.89 Crore registered during the corresponding period, in the previous year 2015-16. There has been marked improvement in all sectors, be it the financial health, sales, execution of projects or contribution. The year marked the foundation for implementing Company's revival plan through taking up several new projects in various plants of ITI. The remarkable improvement in the turnover is due to Government support, partly due to the new projects and the implementation of new initiatives like 'Digital India', 'Smart Cities' and 'Make in India' and Company looks for brighter days ahead.

### ITI Launches Digital Wallet Product

ITI Ltd, Bangalore plant has launched Digital Wallet product at its own Data centre, Bangalore on July 4, 2016.

The digital wallet service offered as Software as a Service (SaaS) and this augments Government of India's Digital India initiative. A Digital Wallet refers to an electronic device that allows an individual to make electronic commerce transactions. Digital wallet systems enable the widespread use of digital wallet transactions among various retail vendors in the form of mobile payments systems and digital wallet applications.



### ITI Palakkad bags Prize for Pollution Control and Environment Protection

Palakkad Plant has bagged third prize for 'Substantial efforts in Pollution Control and Initiatives in Environment Protection' in the category of Engineering & Electronics Industries of Kerala State constituted by Kerala Pollution and Control Board, Government of Kerala for the year 2015.





## ITI Palakkad successfully completes NPR project

ITI Palakkad has successfully completed the NPR (National Population Registry) project awarded by the Office of the Registrar General & Census Commissioner (O/o RGI), India. As part of NPR, the plant has completed data entry for a population of 18 Crore, biometric enrolment for population of 7 Crore and with this, the Unique Identification Authority of India (UIDAI) has generated 4.74 Crore of Aadhaar.



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