

Volume: 04



सत्यमेव जयते

Department of Telecommunications
Ministry of Communications
Government of India
New Delhi

Quarterly Newsletter

(January 2018 – March 2018)



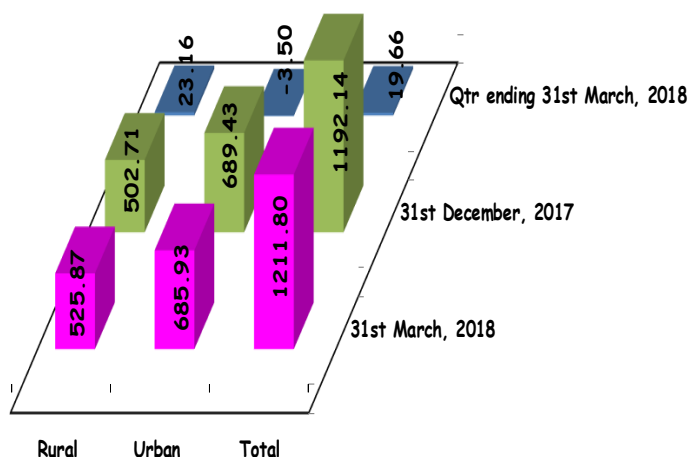
Highlights of major developments in the Telecom sector as well as initiatives by the DoT, during the quarter ending **March, 2018**, are given in the following sections.

I. TELEPHONE CONNECTIONS AND TELEDENSITY

(i) Indian Telecom Scenario

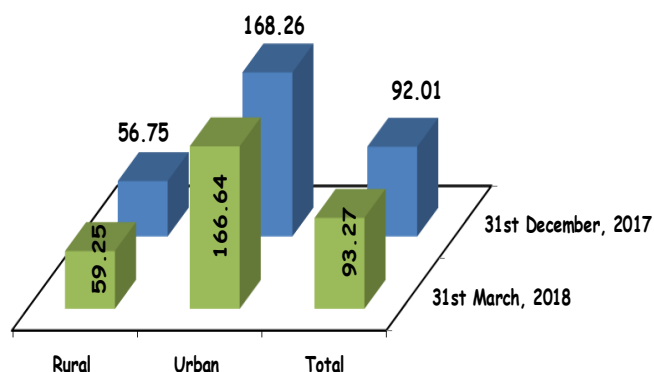
The number of telephones stood at 1211.80 million as on 31st March, 2018 from 1192.14 million on 31st December, 2017, registering an increase of 19.66 million during the period.

Telephones



The tele-density, which was 92.01% in the beginning of the quarter increased to 93.27% by the end of the March 2018.

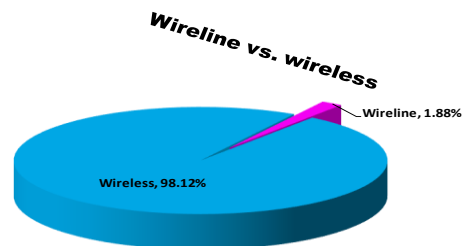
Tele-density



(ii) Compositional Changes

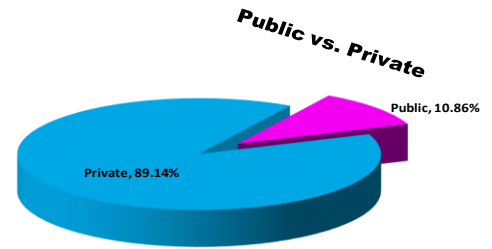
Wire line & Wireless

The preference for use of wireless is reflected in the rising share of wireless phones, which reached 98.12% (1188.99 million) as on 31st March, 2018. On the other hand, the share of wire line was 1.88% (22.81 million) as on 31st March, 2018.



Public & Private

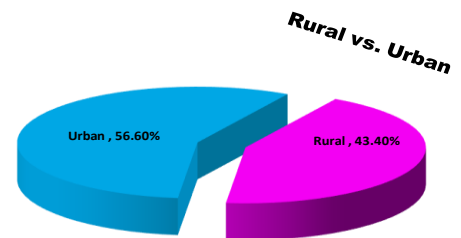
In public sector, there was an increase of 4.21 million phones during the quarter ending March,2018. However, in private sector there was an increase of 15.45 million phones during the same period as total telephones in the country increased by 19.66 million. The public sector having 131.66 million (10.86%) phones as against 1080.14 million (89.14%)phones of the private sector as on 31st March, 2018.



Rural Vs. Urban

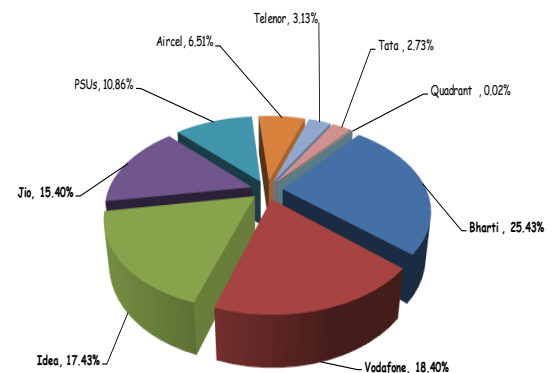
As on 31st March, 2018, the share of urban was 56.60% (685.93 million) compared to 43.40%(525.87 million) of rural areas.

The rural tele-density stands at 59.25% as compared to the urban tele-density of 166.64% as on 31st March, 2018.



Operator wise performance

The operator-wise analysis indicates that PSUs' still have a large share of 68.45% in the wire line segment and its share in wireless was 31.55%. Private operators, on the other hand, have a share of 90.24% in the wireless segment and 9.76% in wireline segment. Private sector has 89.14% share in total phones as against 10.86% of PSU's reported as on 31st March, 2018. Bharti has the highest share of 25.43% in the total telephones, followed by Vodafone (18.40%), Idea (17.43%), Jio (15.40%) and PSUs (10.86%).



Operator wise detail

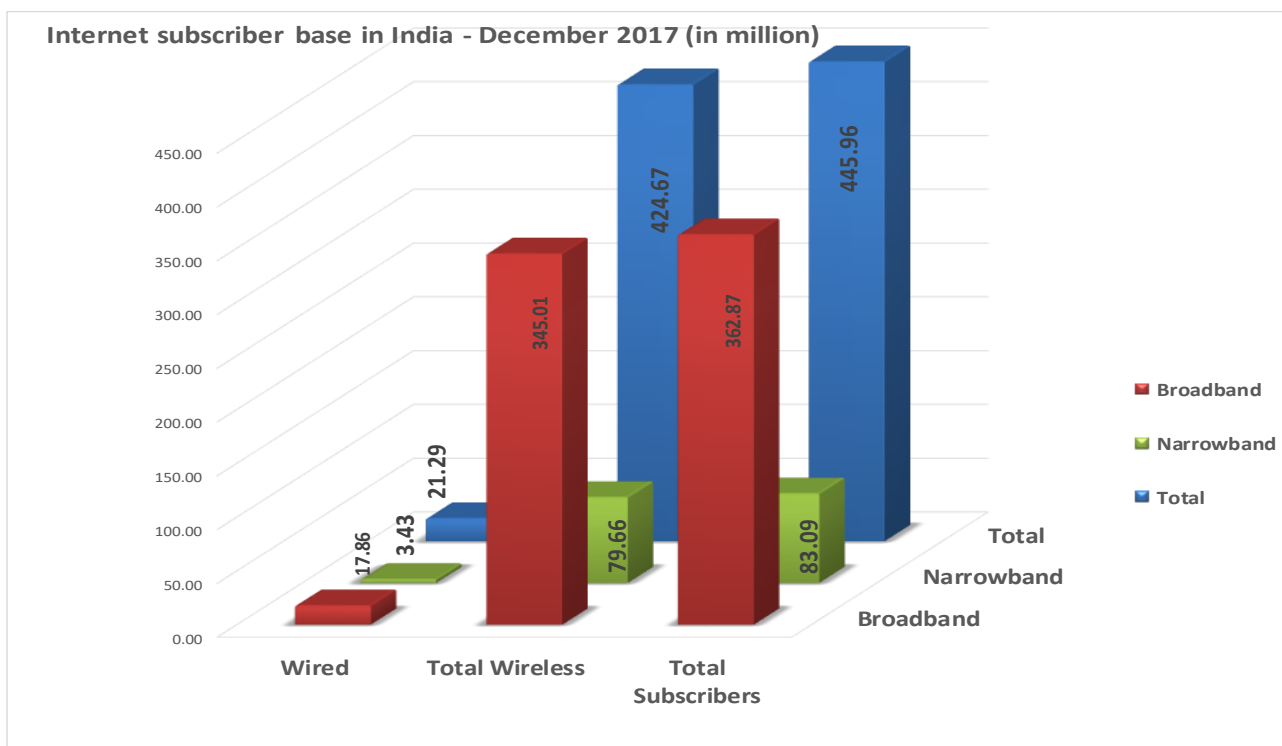
Internet Penetration

Internet usage in the country is on the increase. The number of Internet subscribers (both broadband and narrowband put together) which was 422.18 million at the end of March'17 has increased to 445.96 million by the end of December, 2017, registering a quarterly growth of 3.89%.

Trends of Internet Subscribers (in million)					
Total Internet Subscribers (Includes wired, fixed Wireless and Mobile Wireless)	December'16	March'17	June'17	September'17	December'17
		391.50	422.18	431.21	429.25
Quarterly Growth (in %age)	6.54	7.84	2.14	-0.45	3.89

The number of subscribers accessing internet via wireless phones was 424.67 million and there were 21.29 million wired internet subscribers at the end of December, 2017. Wireless internet subscribers constitute 95.23% of the total internet subscribers.

The number of Broadband subscribers, which was 362.87 million at the end of 31st December,2017 increased to 412.60 million as on 31st March,2018 with an increase of 49.73 million.



(iii) Foreign Direct Investment (FDI) Inflows

FDI in telecom sector has helped the expansion of telecom services in the country to a large extent. Cumulative FDI inflow in telecom sector "April 2000 to December 2017" is of the order of US\$ 30,082 million (Rs. 1,69,428 crore). During the period April - December 2017, Telecommunications Sector attracted FDI Equity inflows of US\$ 6136 million (Rs. 39,264 crore) accounting for 17.07% of total FDI Equity inflows of US\$ 35,941 million (Rs.2,31,457 crore).

FDI Equity Inflows	(US\$ in million)		Share of Telecom in Total
	India	Telecom Sector	
2011-12	36,504	1,997	5.47
2012-13	22,423	304	1.36
2013-14	24,299	1,307	5.38
2014-15	30,931	2,895	9.36
2015-16	40,001	1,324	3.31
2016-17	43,478	5,564	12.80
2017-18 (April-December'17)#	35,941	6,136	17.07
Source: DIPP			

Figures are provisional, subject to reconciliation with RBI.

II. MAJOR ACHIEVEMENTS, ACTIVITIES AND PERFORMANCE OF BSNL

1. ROLE AND FUNCTIONS

Bharat Sanchar Nigam Limited (BSNL) was formed on 1st October 2000 by Corporatisation of the erstwhile Department of Telecom operation & Department Telecom Services. The company has also been in the forefront of technology with 100% digital new technology switching network. BSNL nation-wide telecom network covers all District headquarters, Sub-Divisional headquarters, Tehsil headquarters and almost all the Block Headquarters.

2. HIGHLIGHTS

The details of physical targets & Achievement for the year 2016-17 & 2017-18, financial performance, technology, Rural Telephonic and Training ect. of BSNL are given as under:-

2.1 Achievement during financial year 2016-17 :-

S. No.	Item	Unit	MOU for the year 2016-17	
			Target	Achievement
1	Total Telephone Connection	Lakh		135.03
1 (a)	Net. Addition in Wireline (Landline) over the previous year	%	1.0	(-) 7.27

1 (b)	WLL	Lakh	-	(-) 4.42
1 (c)	Mobile	Lakh	40	150.18
2	Broadband (Wireline + Wireless)	Lakh	12	12.50
3	Total Switching Capacity Mobile	Lakh Lines	-	73.78
4	Rural Telephone	Lakh	-	32.55
5	Replacement of legacy Wireline Exchanges by NGN	Lakh Lines	16	17.20

2.2 Achievement during Financial Year 2017-18 (up to 31.03.2018)

S.No	Item	Unit	Year 2017-18				Achievement up to 31.03.2018
			Target (2017-18)	Status as on 01.04.2017	Status as on 31.12.2017	Status as on 31.03.2018	
1	Total Telephone Connection	Lakh	-	1150.88	1204.92	1247.51	96.63
1 (a)	Wire-line	Lakh	-	136.89	124.31	122.67	(-) 14.22
1 (b)	WLL	Lakh	-	9.61	7.80	7.45	(-) 2.16
1 (c)	Mobile	Lakh	-	1004.38	1072.81	1117.39	113.01
2	Total Switching Capacity Mobile	Lakh Lines	-	987.14	1026.67	1030.83	43.69
3	Broadband (Wireline +Wireless)	Lakh	-	220.89	222.31	217.40	(-) 3.49
4	Rural Telephone	Lakh	-	368.49	382.16	389.80	21.31

2.3 Network Status of NE Region States: - The status of telecom facilities as on 31.03.2018 in each of the state of North East Region is shown in the following table:-

S.No	Items	Target (2017-18)	Status as on 01.04.2017	Status as on 31.12.2017	Status as on 31.03.2018	Achievement up to 31.03.2018
1	Total Switching Capacity (Lakh Line)	-	52.97	57.64	57.96	4.99
1 (a)	Wire-line	-	10.15	9.91	9.90	(-) 0.25
1 (b)	WLL	-	4.64	4.64	4.64	-
1 (c)	GSM	-	38.18	43.09	43.43	5.25
2	Total Telephone Connection(Lakh)	-	35.24	35.32	35.37	0.13
2 (a)	Wire-line	-	2.81	2.58	2.56	(-) 0.25
2 (b)	WLL	-	2.50	2.43	2.40	(-) 0.10
2 (c)	Mobile	-	29.93	30.31	34.41	4.48
3	Broadband (Wireline Connection) in Lakh.	-	1.69	1.52	1.51	(-) 0.18
4	VPT (Nos.)	-	11,336	11,198	11,198	(-) 138

2.4 Computerization & Information Technology in BSNL :-

BSNL offers the largest bouquet of telecom services to its customers. Being the only PSU Telecom service provider with a nationwide footprint, BSNL has a huge mandate to connect every nook and corner of the country with affordable telecom solutions. This requires BSNL to constantly strive for improving the cost-efficiency of its operations and BSNL is committed to it.

“The successful implementation of ERP in BSNL has resulted in visible improvement in inventory visibility, operational efficiencies, financial accounting and controls, asset recognition and consolidation of accounts and processes. The payment processes have been streamlined and faster planning and control.

Last year saw a major transformation in the all IT systems for the GST related modifications, which were carried in a time bound manner without any major operational challenge. The second phase of GST modifications in the ERP is under planning stage to align it with the latest guidelines and rules of GST regime.

During the financial year 2017-18, BSNL gave a lot of attention to Information security. Process for internal security audit of all major telecom and IT systems has started. Certified Internal Security Auditor training has been imparted to selected experts and they are now conducting security audits. An Information Security lab has been established at ALLTC Ghaziabad for imparting information security training to employees. Formal documents for all processes are being prepared to facilitate the security audit processes. Security awareness trainings are being organized at different Circle headquarters.”

2.5 Telecom Factories:

BSNL Telecom Factories are In-house manufacturing units of the BSNL and located at Kolkata, Gopalpur, Kharagpur, Jabalpur, Bhilai, Richhai and Mumbai. TF Mumbai and Kolkata are ISO 14000:2004 certified. Among these, TF Mumbai is 18001:2007 OHSAS certified while all other factories are ISO 9001:2008 certified. Presently, these factories are engaged in production of SIM Card, PLB HDPE Telecom Duct, OFC Accessories, SS Drop wire, Jointing Kits, LJU cum Splitter, Towers & other conventional items such as Mini Pillar, CD Cabinet, CT Box, DP Box, LJU etc.

During the year 2017-18 (April 2017– March 2018), all the Telecom Factories together have supplied around 69,475 Kms. of PLB HDPE Ducts and a major portion of this supply has been supplied for Bharat Net Project of Govt. of India.

The Telecom Factories have achieved Rs. 506.391 Cr. during the financial year 2017-18 (April 2017-March 2018). Details are as under:-

Factory Name	Target for 2017- 2018 in Crore	Achievement during 2017-2018 in Crore
Kolkata	199	214.68
Jabalpur	190	147.54
Mumbai	192	144.171
Total	581	506.391

Amidst all constraints posed by declining demand of almost all conventional products, decreasing work force and inter – operator competitive environment, factories have tried their best to meet the requirement of various Telecom goods in the BSNL field units during the Financial year 2017-18.

2.6 International Relation

(a) Foreign Deputations:

A total of 105 BSNL officers were deputed abroad during the period April 2017 – March 2018 (2017-18) for various events with details as under:

- 08 Officers were deputed as trainers for delivery of international training on different courses under Commonwealth Telecommunication Organisation (CTO) Programme for Development and Training (PDT) /Asia Pacific Telecommunity (APT) Training Programme.
- 97 officers were deputed for attending Training / Validation / Exhibitions / Meetings / Conferences / Business visits such as leadership, Corporate Governance , Cellular Mobile Technology, Broadband Technology etc.

(b) International Training Conducted at BSNL Training Centres:

- i) Training from Asia Pacific Telecom (APT) member countries have imparted training on the following courses:
 - Satellite Communication (ALTTC, Ghaziabad) – one course
 - Spectrum Management (RGM TTC, Chennai) – one course

- ii) Trainees from International Telecom Union (ITU) member countries have imparted training on the following courses:
 - Online (E learning course) on Optical Transport Network (OTN) & Packet Transport Network (PTN) for Broadband & High Speed at ALTTC, Ghaziabad.
 - Deployment of Broadband through New Generation Network (NGN) at ALTTC Ghaziabad.

2.7 Training

BSNL has 29 Telecom Training Centres countrywide comprising of three APEX level Training Centres namely:

- Advanced Level Telecom Training Centres (ALTTC), Ghaziabad.
- Bharat Ratna Bhim Rao Ambedkar Institute of Telecom Training (BRBRAITT), Jabalpur
- National Academy of Telecom Finance and Management (NATFM) Hyderabad.

Following are the important activities in Training in BSNL:-

a. Staff Trained:

A total of 25,926 staff was trained (12,975 executives and 12,951 non-executives trained) during this period through various training centres for total of 4,52,780 man days (1,50,430 man days for executives and 302,350 man days for non executives)

b. Induction Training:

A total of 9,234 candidates have undergone Induction Training courses (of various phases) at different training centres: Junior Telecom Officer (JTO)- 5,289, Junior Accounts Officer (JAO)- 1,461 & Telecom Technical Assistant (TTA)/ Junior Engineer (JE)- 2,484.

c. Mandatory Training under Executive Promotion Policy (EPP) e- mode:

10,083 executives appeared for on-line exam and 9,963 executives qualified during the period

d. Training Revenue Generated from Training Resources:

During the period from April 2017 to March 2018, by optimum utilization of BSNL training resources, revenue of 315.1 million Rupees was generated (Training Centre: 224.2 million Rupees & field unit: 90.9 million Rupees) by imparting training to non BSNL trainees as well as sharing of training infrastructure.

e. Apprenticeship Training to ITI Holders:

This scheme was launched by BSNL in July 2016 under “BSNL Swavlambi Scheme-2016”. A total of 3,144 seats have been allotted (Telecom 2,800, Civil 97, Electrical 247) across all circles. 12 circles got candidates registered in Regional Directorate of Apprenticeship Training (RDAT) portal for apprenticeship training as on date. At present, 657 Industrial Training Institute (ITI) holders are undergoing apprenticeship training in BSNL.

f. Training of E4-E5 level executive in Centre of Excellence (CoE):

As per MoU with DPE/DoT 2.5% (i.e. 250) of E4-E5 Level executives (Middle level) to be trained in one of the CoEs on Talent Management & career progression. 250 officers out of 250 have been trained at IIT, BHU i.e. 100% target achieved.





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