

# Telecom Statistics India-2017



सत्यमेव जयते

# Economics Research Unit – Statistics

## Department of Telecommunications

# Ministry of Communications

# Government of India

## New Delhi



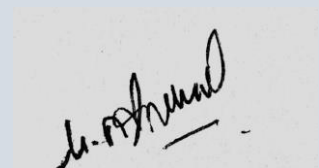
## P R E F A C E

**'Telecom Statistics of India' (TSI)** is as an annual publication brought out by the Economic Research Unit, Department of Telecommunications, Ministry of Communications with the objective of providing a consistent and comparable time series data on India's telecom sector and to serve as a ready source of reference to enable further analysis.

The data has been compiled by ERU-STT Division from various sources including Telecom companies/association, TRAI, DGCI&S, PSUs like MTNL, BSNL etc. The international data/ tables have been sourced mainly from ITU data base. Accordingly, reference may be made to the respective original sources, (which are duly cited), with regard to the accuracy, adequacy or completeness of the information. As past data undergoes revisions, the same may not always match with figures published in the previous issue. This publication is presently for restricted circulation in DoT only.

The document has been prepared through the combined efforts of the Officers and Staff of the Statistics Section, Economic Research Unit. Particular mention may be made of Shri Amit Ray, Economic Adviser, DoT, who initiated and guided the work, Shri Basant Kumar, Joint Director, Shri Naval Kishore Dubey, Senior Statistical Officer who compiled the relevant data. Assistance rendered by Shri Itish Jain, Junior Statistical Officer of STT Section-Economic Research Unit, is also appreciated.

Suggestions and advice for further improvements are always welcome and may kindly be sent to [amit.r@nic.in](mailto:amit.r@nic.in).



**(Dr. M.R. Anand)**  
Pr. Economic Adviser



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## **ABBREVIATIONS**

<b>TRAI</b>	<b>-Telecom Regulatory Authority of India</b>
<b>DoT</b>	<b>-Department of Telecommunications</b>
<b>DGCI&amp;S</b>	<b>-Directorate General of Commercial Intelligence and Statistics</b>
<b>PSUs</b>	<b>-Public Sector Undertakings</b>
<b>MTNL</b>	<b>-Mahanagar Telephone Nigam Limited</b>
<b>BSNL</b>	<b>-Bharat Sanchar Nigam Limited</b>
<b>GVA</b>	<b>-Gross Value Added</b>
<b>PCO</b>	<b>-Public Call Offices</b>
<b>VPT</b>	<b>-Village Public Telephone</b>
<b>GSM</b>	<b>-Global System for Mobile Communications</b>
<b>CDMA</b>	<b>-Code Division for Mobile Access</b>
<b>ARPU</b>	<b>-Average Revenue Per User</b>
<b>NE</b>	<b>-North East</b>
<b>MoU</b>	<b>-Minutes of Use</b>
<b>BTS</b>	<b>-Base Transceiver Stations</b>



## Telecommunications at a Glance

S.No.	Title	2013	2014	2015	2016	2017
1	<b>Telephones and teledensity in the country</b>					
	i)Telephones (In Million)	898.02	933.02	996.13	1059.33	1194.99
	ii)Teledensity (Per 100 Inhabitants)	73.32	75.23	79.36	83.40	93.01
2	<b>No. of Subscribers ( in Millions)</b>					
	i)Landline	30.21	28.50	26.59	25.22	24.40
	ii)Mobile subscribers	867.81	904.52	969.54	1034.11	1170.59
3	<b>Telephone Subscribers in India ( in Millions)</b>	898.02	933.02	996.13	1059.33	1194.99
	i)Rural	349.21	377.78	416.08	447.77	501.81
	ii)Urban	548.80	555.23	580.05	611.56	693.18
	iii)Public	130.11	120.05	100.34	108.65	122.18
	iv)Private	767.91	812.96	895.79	950.68	1072.81
4	<b>Telephone Subscribers in India (%age share)</b>					
	Wireline	3.36	3.05	2.67	2.38	2.04
	Wireless	96.64	96.95	97.33	97.62	97.96
	Rural	38.89	40.49	41.77	42.27	41.99
	Urban	61.11	59.51	58.23	57.73	58.01
	Public	14.49	12.87	10.07	10.26	10.22
	Private	85.51	87.13	89.93	89.74	89.78
5	<b>Teledensity (Per 100 Inhabitants)</b>	73.32	75.23	79.36	83.40	93.01
	Wireline	2.47	2.30	2.12	1.99	1.90
	Wireless	70.85	72.94	77.24	81.41	91.11
	Rural	41.05	44.01	48.04	51.26	56.98
	Urban	146.64	145.46	149.04	154.18	171.52
	Public	10.62	9.68	7.99	8.55	9.51
	Private	62.69	65.55	71.36	74.85	83.50
6	<b>No. of PCOs and VPTs in India (In lakhs)</b>					
	PCO	12.60	9.57	7.37	5.89	4.52
	VPT	5.90	5.89	5.86	5.87	2.30

## Telecommunications at a Glance (Contd.)

S.No.	Title	2013	2014	2015	2016	2017
7	<b>NO. of Mobile connections(MTNL)</b>					
	<b>Ported-in (w.e.f. 20.1.11 to 31.03.11 )</b>	<b>22662</b>	<b>16166</b>	<b>25784</b>	<b>24627</b>	<b>17730</b>
	Delhi	14826	9286	9552	11509	8067
	Mumbai	7836	6880	16232	13118	9663
	<b>Ported-out</b>	<b>74658</b>	<b>76973</b>	<b>75464</b>	<b>79007</b>	<b>97091</b>
	Delhi	44986	43721	39387	39868	59402
	Mumbai	29672	33252	36077	39139	37689
8	<b>NO. of Mobile connections(BSNL)</b>					
	Ported-in	865350	920343	1383043	2601320	666540
	Ported-out	1240960	1505343	1762282	1474901	9840375
9	<b>Internet Subscribers in India (Millions)</b>	<b>164.81</b>	<b>251.59</b>	<b>302.36</b>	<b>342.65</b>	<b>422.20</b>
	Narrowband	6.56	190.72	203.15	192.90	145.68
	Broadband	15.05	60.87	99.20	149.75	276.52
	Wired	21.61	18.50	19.07	20.44	21.58
	Wireless	143.20	233.09	283.29	322.21	400.62
	Urban	-	-	190.60	230.71	285.68
	Rural	-	-	111.76	111.94	136.52
10	<b>Internet Subscribers in India (Per 100 Inhabitants)</b>	<b>13.45</b>	<b>20.29</b>	<b>24.09</b>	<b>26.98</b>	<b>32.86</b>
	Urban	-	-	49.07	58.28	70.83
	Rural	-	-	12.89	12.80	15.49
11	<b>Revenue from Telecom Services (₹ crore)</b>					
	Telecom Sector*					
	Gross Revenue	54,283.78	60,716.21	65,226.73	68,335.39	63,315.18
	Adjusted Gross Revenue	35,279.50	41,016.13	45,157.78	48,379.00	40,831.33
	Access Services*	27,801.94	31,922.39	35,938.26	39,885.55	31,594.91
	Licence Fee@	103.66	115.28	121.81	126.91	89.34
	Spectrum Charges@	11,456.48	14,628.47	-	-	-
	Auction Revenue@	5,679.19	6,883.67	-	-	-
12	<b>Telecom Usage Parameters</b>	<b>1,722.24</b>	<b>18,267.18</b>	<b>-</b>	<b>-</b>	<b>-</b>
	Traffic(MOU) minutes of use/subscriber/month					
	GSM	383	389	383	381	405
	CDMA	275	272	265	260	250
	<b>APRU (₹/Subscriber/month)</b>					
	GSM	₹ 105.00	₹ 113.44	₹ 120.68	₹ 124.85	₹ 82.68
	CDMA	₹ 95.25	₹ 104.98	₹ 108.21	₹ 103.54	₹ 131.34
	<b>Data Usage per subscriber per month</b>					
	GSM	-	53.94	89.06	133.87	1006.00
	CDMA	-	176.24	278.22	433.64	473.00
	Minutes of usages for internet	249.75	251.00	245.00	277.00	258.00

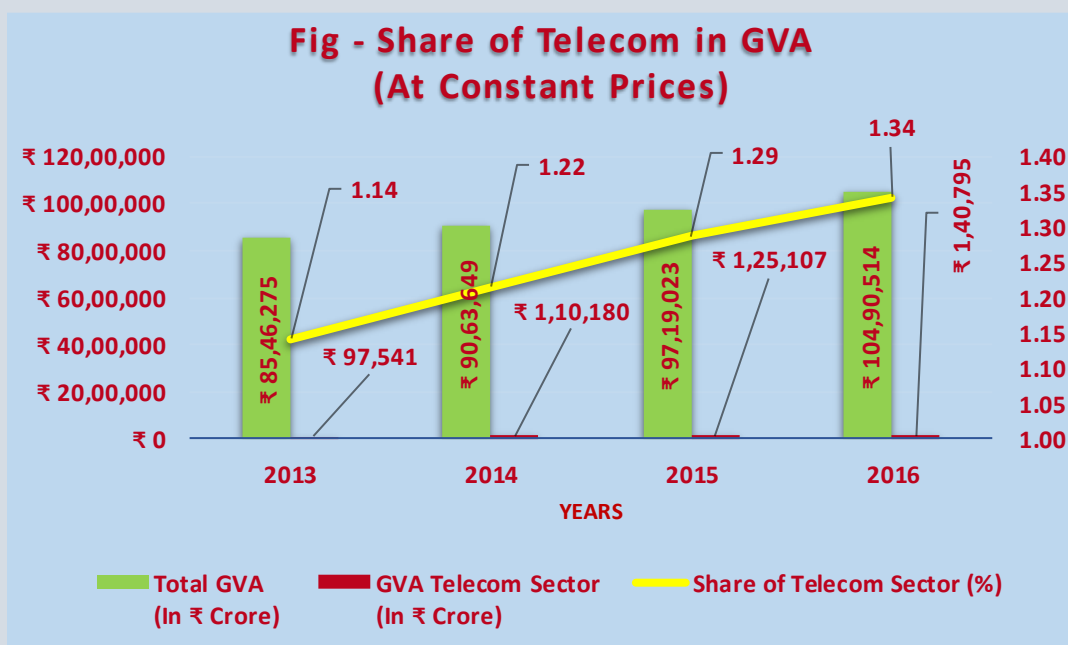
## Telecommunications at a Glance (Contd.)

S.No.	Title	2013	2014	2015	2016	2017
13	<b>FDI EQUITY INFLOWS (US\$ in million)</b>	22,423	24,299	30,931	40,001	43,478
	Telecommunication Sector	304	1,307	2,895	1,324	5,564
	Share of Telecommunication Sector	1.36%	5.38%	9.36%	3.31%	12.80%
14	<b>Share of Telecom in GVA (At constant price)</b>	₹ 85,46,552	₹ 90,84,369	₹ 97,27,490	₹ 104,90,514	
	GVA Telecom Sector	₹ 97,541	₹ 1,10,178	₹ 1,22,088	₹ 1,40,795	
	Share of Telecom Sector	1.14%	1.21%	1.26%	1.34%	
15	Number of Mobile Towers as on 31.03.2017				412387	
16	No. of Base Transceiver Stations (BTS) (as on 15-Aug-2017)				1275634	
	<b>Operator-wise performance</b>					
17	Operator-wise Telecom Subscribers in India (Millions)	898.02	933.02	996.13	1059.33	1194.99
	PSU	130.11	120.05	100.34	108.65	122.18
	Private	767.91	812.96	895.79	950.68	1072.81
18	PSU Telecom Subscribers in India (Millions)	130.11	120.05	100.34	108.65	122.18
	BSNL	121.65	113.14	93.24	101.58	115.09
	MTNL	8.46	6.91	7.10	7.06	7.09
19	Operator-wise subscriber percent share to Total (All Operators) (2008- 2016)					
	PSU	14.49	12.87	10.07	10.26	10.22
	Private	85.51	87.13	89.93	89.74	89.78
20	PSU Operators' percent share to Total (All Operators)					
	BSNL	13.55	12.13	9.36	9.59	9.63
	MTNL	0.94	0.74	0.71	0.67	0.59
	<b>Foreign Trade</b>					
	(a) Export in \$ value	4.70	-1.20	-15.90		
	(b) Import in \$ value	-8.30	-0.60	-15.30		

**Table - Share of Telecom in GVA  
(At constant price) (In ₹ Crore)**

Year ending	Total GVA (In ₹ Crore)	GVA Telecom Sector (In ₹ Crore)	Share of Telecom Sector (%)
2012	₹ 81,06,946	₹ 91,346	1.13
2013	₹ 85,46,275	₹ 97,541	1.14
2014	₹ 90,63,649	₹ 1,10,180	1.22
2015	₹ 97,19,023	₹ 1,25,107	1.29
2016	₹ 104,90,514	₹ 1,40,795	1.34

Source - MoSPI



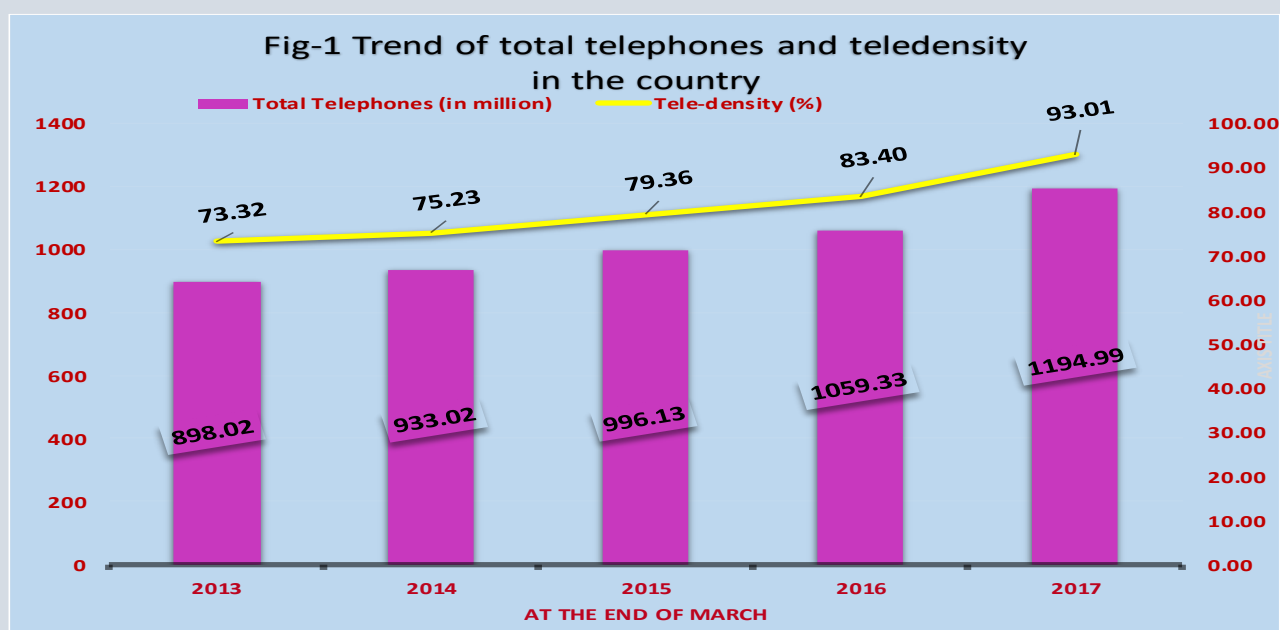
# *1 – Telecom Subscriber Statistics*



**Table 1 -  
Trend of total telephones and teledensity in the country  
(2001 to 2017 )**

At the end of March	Total Telephones (in million)	Tele-density (%)
2001	36.28	3.58
2002	44.97	4.29
2003	54.61	5.11
2004	76.54	7.02
2005	98.37	8.95
2006	142.09	12.74
2007	205.87	18.22
2008	300.49	26.22
2009	429.72	36.98
2010	621.28	52.73
2011	846.33	70.89
2012	951.35	78.66
2013	898.02	73.32
2014	933.02	75.23
2015	996.13	79.36
2016	1059.33	83.40
2017	1194.99	93.01

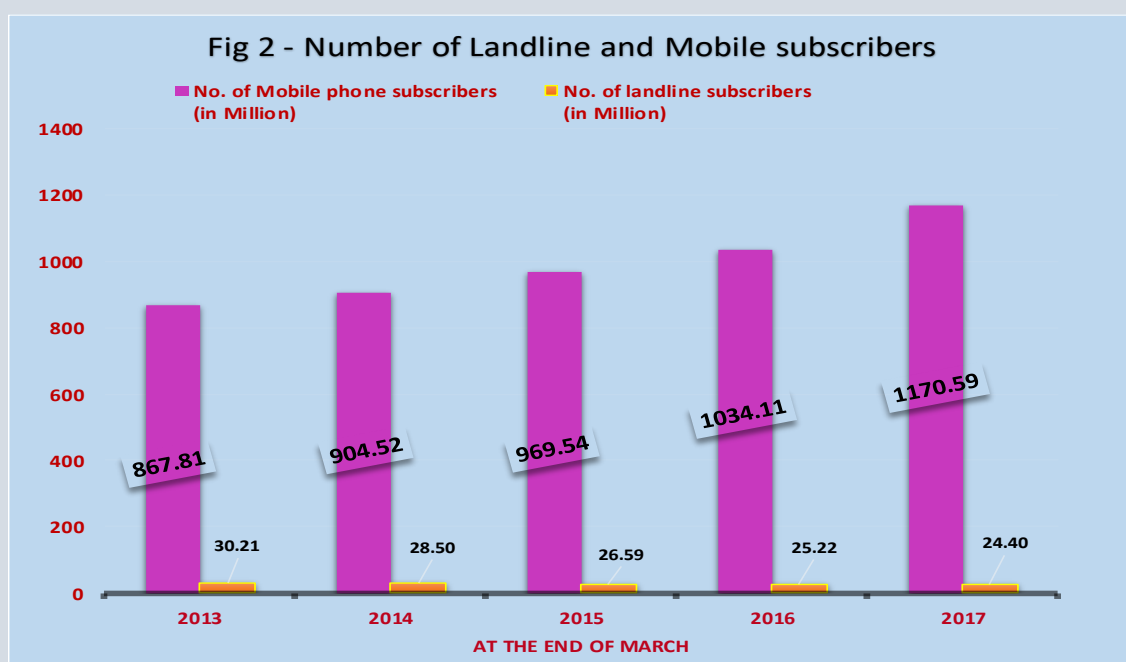
Source - DOT (Compiled Data)



**Table 2 -  
Number of landline and mobile subscribers (2001 to 2017 )**

At the end of March	No. of Mobile phone subscribers (in Million)	No. of landline subscribers (in Million)
2001	3.58	32.70
2002	6.68	38.29
2003	13.29	41.32
2004	35.62	40.92
2005	56.95	41.42
2006	101.87	40.22
2007	165.09	40.77
2008	261.08	39.41
2009	391.76	37.96
2010	584.32	36.96
2011	811.6	34.73
2012	919.18	32.17
2013	867.81	30.21
2014	904.52	28.50
2015	969.54	26.59
2016	1034.11	25.22
2017	1170.59	24.40

Source - DOT (Compiled Data)





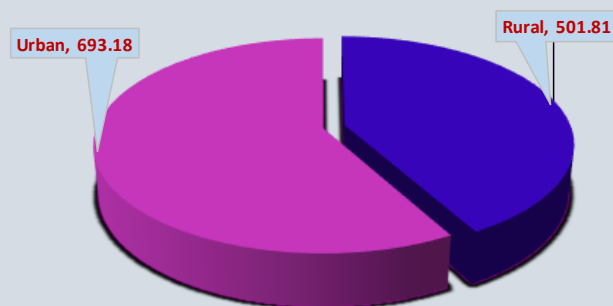
**Table 3 - Rural, Urban, Public and Private Telephone  
Subscribers in India (Millions) (2006-2017)**

At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2006	142.09	40.22	101.87	-	-	61.08	81.01
2007	205.85	40.77	165.08	47.10	158.76	71.39	134.47
2008	300.49	39.41	261.08	76.50	223.99	79.55	220.94
2009	429.73	37.96	391.76	123.51	306.21	89.55	340.18
2010	621.28	36.96	584.32	200.77	420.51	105.87	515.41
2011	846.33	34.73	811.60	282.29	564.04	126.00	720.33
2012	951.35	32.17	919.17	330.83	620.52	130.27	821.08
2013	898.02	30.21	867.81	349.21	548.80	130.11	767.91
2014	933.02	28.50	904.52	377.78	555.23	120.05	812.96
2015	996.13	26.59	969.54	416.08	580.05	100.34	895.79
2016	1059.33	25.22	1034.11	447.77	611.56	108.65	950.68
2017	1194.99	24.40	1170.59	501.81	693.18	122.18	1072.81

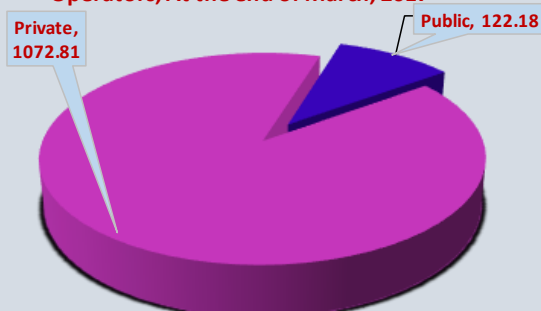
**Note** : Not Available

**Source-** DOT (Compiled Data)

**Fig 3A - Composition of subscribers - Rural & Urban,  
At the end of March, 2017**



**Fig 3B - Composition of subscribers - Public & Private  
Operators, At the end of March, 2017**



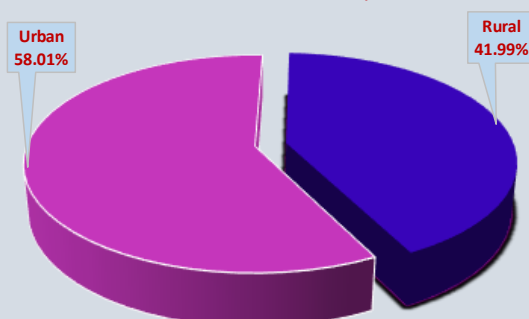
**Table 4 - Telephone Subscribers in India  
(Percent Share) (2006-2017)**

At the end of March	Wireline	Wireless	Rural	Urban	Public	Private
<b>2006</b>	28.31	71.69	-	-	42.99	57.01
<b>2007</b>	19.81	80.19	22.88	77.12	34.68	65.32
<b>2008</b>	13.12	86.88	25.46	74.54	26.47	73.53
<b>2009</b>	8.83	91.17	28.74	71.26	20.84	79.16
<b>2010</b>	5.95	94.05	32.32	67.68	17.04	82.96
<b>2011</b>	4.10	95.90	33.35	66.65	14.89	85.11
<b>2012</b>	3.38	96.62	34.77	65.23	13.69	86.31
<b>2013</b>	3.36	96.64	38.89	61.11	14.49	85.51
<b>2014</b>	3.05	96.95	40.49	59.51	12.87	87.13
<b>2015</b>	2.67	97.33	41.77	58.23	10.07	89.93
<b>2016</b>	2.38	97.62	42.27	57.73	10.26	89.74
<b>2017</b>	2.04	97.96	41.99	58.01	10.22	89.78

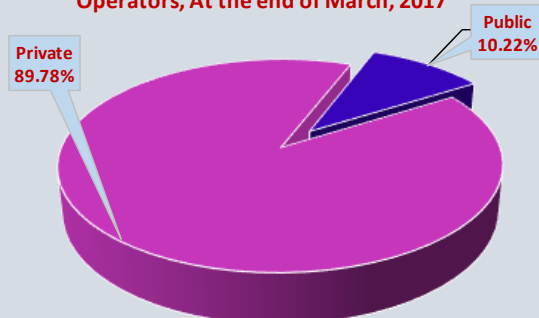
**Note** : Not Available

**Source-** DOT (Compiled Data)

**Fig 4A - Composition of subscribers - Rural & Urban,  
At the end of March, 2017**



**Fig 4B - Composition of subscribers - Public & Private  
Operators, At the end of March, 2017**

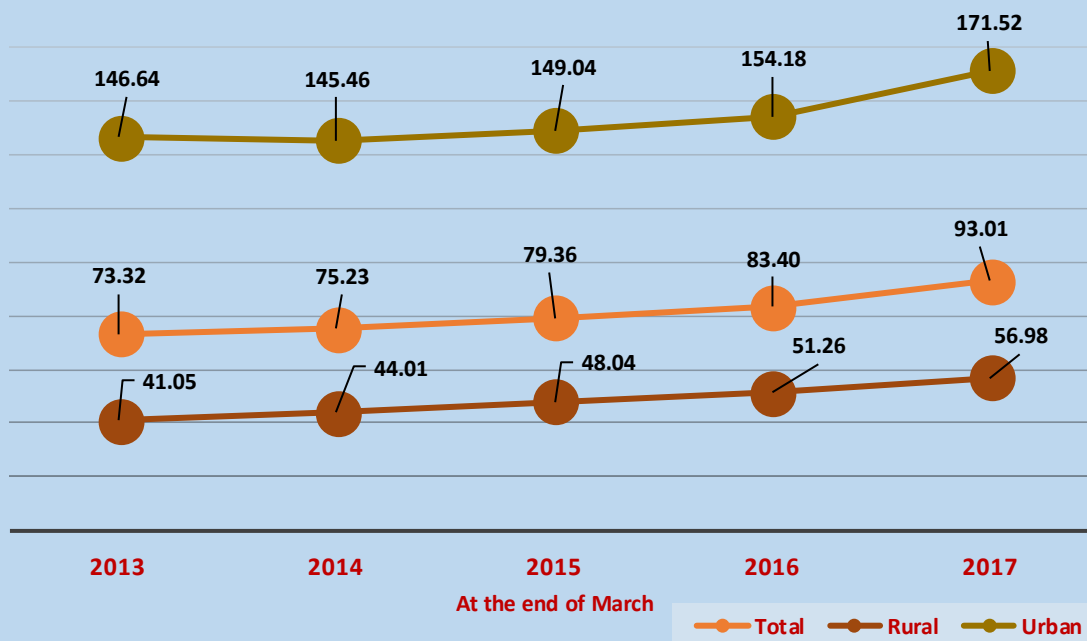


**Table 5 - Teledensity (Per 100 Inhabitants) (2006-2017)**

At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2006	12.74	-	-	-	-	-	-
2007	18.22	-	-	5.89	48.10	-	-
2008	26.22	3.44	22.78	9.46	66.39	6.94	19.28
2009	36.98	3.27	33.71	15.11	88.84	7.71	29.27
2010	52.74	3.14	49.60	24.31	119.45	8.99	43.75
2011	70.89	2.91	67.98	33.83	156.93	10.55	60.34
2012	78.66	2.66	76.00	39.26	169.17	10.77	67.89
2013	73.32	2.47	70.85	41.05	146.64	10.62	62.69
2014	75.23	2.30	72.94	44.01	145.46	9.68	65.55
2015	79.36	2.12	77.24	48.04	149.04	7.99	71.36
2016	83.40	1.99	81.41	51.26	154.18	8.55	74.85
2017	93.01	1.90	91.11	56.98	171.52	9.51	83.50

Source- DOT Compiled Data

**Fig 5 - Teledensity (Per 100 Inhabitants) (2013-2017)**

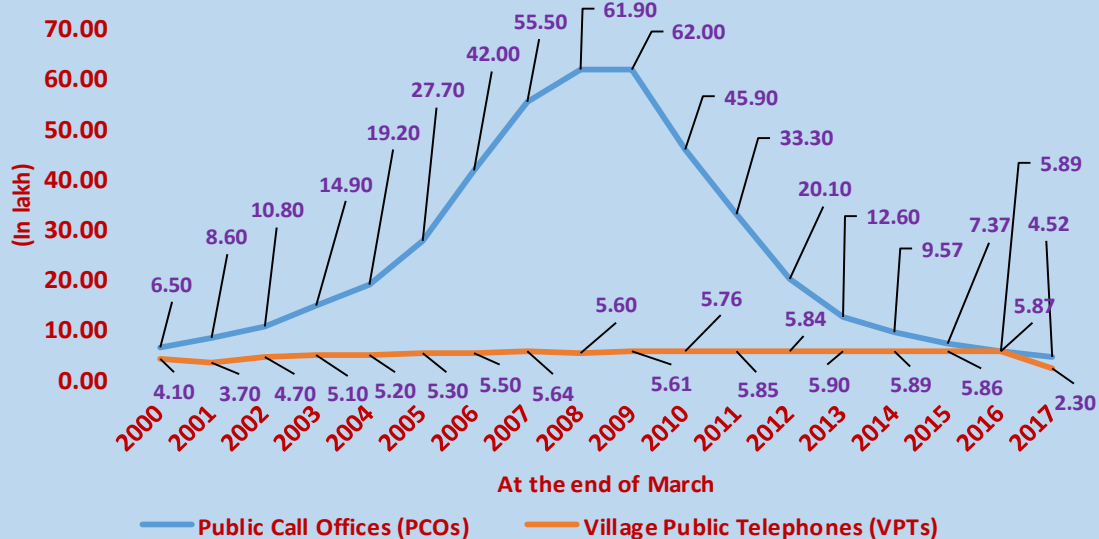


**Table 6 - Number of Public Call Offices (PCOs) and Village Public Telephones (VPTs) in India (Lakh) (2000-2017)**

March Ending	Public Call Offices (PCOs)	Village Public Telephones (VPTs)
2000	6.50	4.10
2001	8.60	3.70
2002	10.80	4.70
2003	14.90	5.10
2004	19.20	5.20
2005	27.70	5.30
2006	42.00	5.50
2007	55.50	5.64
2008	61.90	5.60
2009	62.00	5.61
2010	45.90	5.76
2011	33.30	5.85
2012	20.10	5.84
2013	12.60	5.90
2014	9.57	5.89
2015	7.37	5.86
2016	5.89	5.87
2017	4.52	2.30

Source - Telecom Regulatory Authority of India

**Fig 6 - Number of Public Call Offices (PCOs) and Village Public Telephones (VPTs) in India (2013-2017)**



**Table 7 -The number of mobile connections Ported-in and Ported-out of MTNL**

Period	Ported in			Ported out			Ratio of Port out to Port in		
	Delhi	Mumbai	Total	Delhi	Mumbai	Total	Delhi	Mumbai	Total
<b>20.01.11 - 31.03.11</b>	5593	2125	<b>7718</b>	17022	17676	<b>34698</b>	3.04	8.32	<b>4.50</b>
<b>2011-12</b>	14347	5376	<b>19723</b>	41280	40111	<b>81391</b>	2.88	7.46	<b>4.13</b>
<b>2012-13</b>	14826	7836	<b>22662</b>	44986	29672	<b>74658</b>	3.03	3.79	<b>3.29</b>
<b>2013-14</b>	9286	6880	<b>16166</b>	43721	33252	<b>76973</b>	4.71	4.83	<b>4.76</b>
<b>2014-15</b>	9552	16232	<b>25784</b>	39387	36077	<b>75464</b>	4.12	2.22	<b>2.93</b>
<b>2015-16</b>	11509	13118	<b>24627</b>	39868	39139	<b>79007</b>	3.46	2.98	<b>3.21</b>
<b>2016-17</b>	8067	9663	<b>17730</b>	59402	37689	<b>97091</b>	7.36	3.90	<b>5.48</b>
<b>Total</b>	<b>73180</b>	<b>61230</b>	<b>134410</b>	<b>285666</b>	<b>233616</b>	<b>519282</b>	<b>3.90</b>	<b>3.82</b>	<b>3.86</b>

Source- Mahanagar Telephone Nigam Limited

**Table 8 - The number of mobile connections Ported-in and Ported-out of BSNL**

Calender Year	Ported in	Ported out	Ratio of Port out to Port in
<b>2010</b>	3286	17085	<b>5.20</b>
<b>2011</b>	1014879	1485605	<b>1.46</b>
<b>2012</b>	993098	1309549	<b>1.32</b>
<b>2013</b>	865350	1240960	<b>1.43</b>
<b>2014</b>	920343	1505343	<b>1.64</b>
<b>2015</b>	1383043	1762282	<b>1.27</b>
<b>2016</b>	2951000	1835383	<b>0.62</b>
<b>2017 (Jan.-Mar.17)</b>	666540	684168	<b>1.03</b>
<b>Total</b>	<b>8797539</b>	<b>9840375</b>	<b>1.12</b>

Source- Bharat Sanchar Nigam Limited

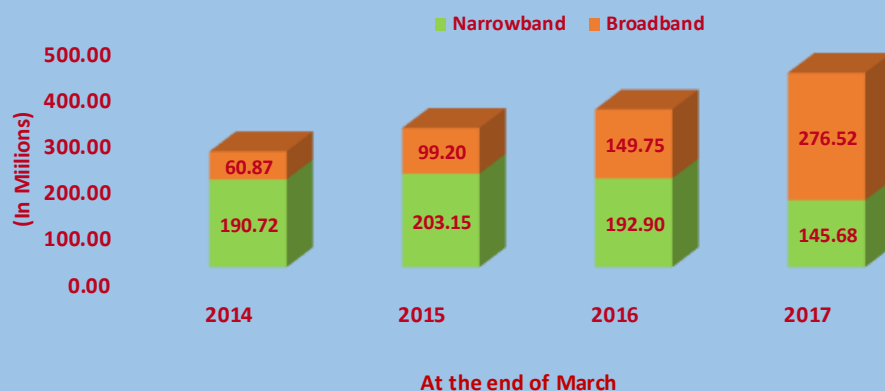
**Table 9 - Internet Subscribers in India (Millions) (2007-2017)**

At the end of March	Total	Narrowband	Broadband	Wired	Wireless	Urban	Rural
2007	-	-	2.34	9.27	31.30	-	-
2008	-	-	3.87	11.09	65.50	-	-
2009	-	-	6.22	13.54	117.82	-	-
2010	-	7.41	8.77	16.18	177.87	-	-
2011	-	7.79	11.89	19.68	381.40	-	-
2012	-	5.70	13.81	19.51	-	-	-
2013	-	6.56	15.05	21.61	143.20	-	-
2014	251.59	190.72	60.87	18.50	233.09	-	-
2015	302.36	203.15	99.20	19.07	283.29	190.60	111.76
2016	342.65	192.90	149.75	20.44	322.21	230.71	111.94
2017	422.20	145.68	276.52	21.58	400.62	285.68	136.52

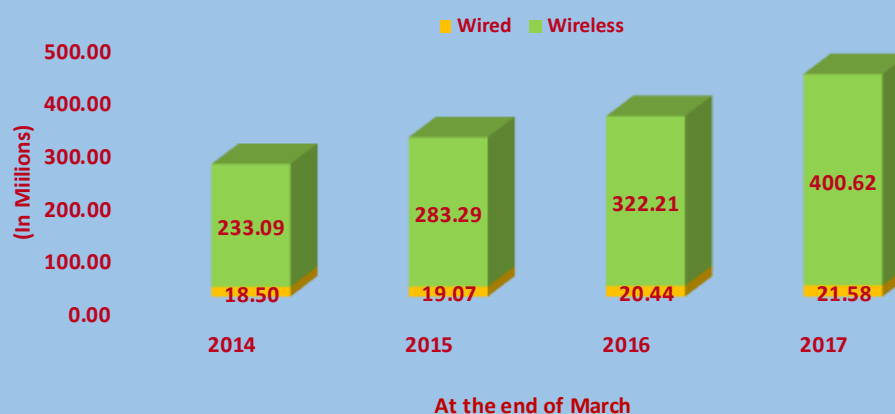
Note: - Not Available

Source - TRAI

**Fig 9A - Internet Subscribers - Narrowband & Broadband (in Millions)**



**Fig 9B - Internet Subscribers - Wired & Wireless (in Millions)**



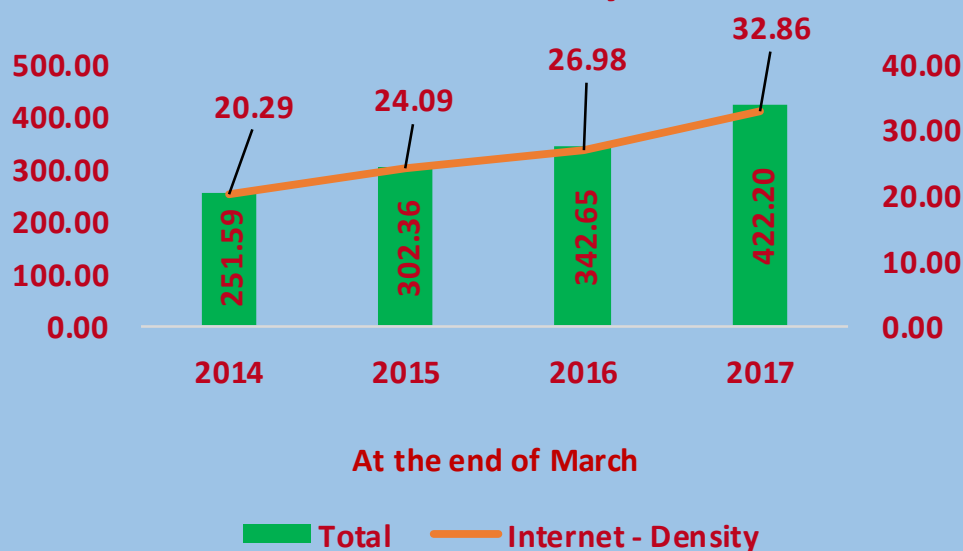
**Table 10 - Internet Subscribers in India  
(Per 100 Inhabitants)**

At the end of March	Total	Urban	Rural
2013	13.45	-	-
2014	20.29	-	-
2015	24.09	49.07	12.89
2016	26.98	58.28	12.80
2017	32.86	70.83	15.49

Note: - Not Available

Source - TRAI

**Fig 10 - Internet Subscribers and Internet-Density**







## *II – Telecom Usage Parameters*



**Table 1 - Telecom Usage Parameters (2007-2017)**

Year	Traffic (MOU) (minutes of use)		ARPU (₹/ subscriber/ month)		Data Usage per subscriber per month (MBs)			Minutes of Usages for Internet Telephony (Million)
	GSM	CDMA	GSM	CDMA	GSM	CDMA	Total	
<b>2007</b>	471	471	298.00	202.00	-	-	-	-
<b>2008</b>	493	364	264.00	159.00	-	-	-	-
<b>2009</b>	484	357	205.00	99.00	-	-	-	131.63
<b>2010</b>	410	307	131.00	76.00	-	-	-	122.96
<b>2011</b>	349	263	100.00	66.00	-	-	-	153.92
<b>2012</b>	346	229	97.37	75.29	-	-	-	236.40
<b>2013</b>	383	275	105.00	95.25	-	-	-	249.75
<b>2014</b>	389	272	113.44	104.98	53.94	176.24	61.66	251.00
<b>2015</b>	383	265	120.68	108.21	89.06	278.22	99.46	245.00
<b>2016</b>	381	260	124.85	103.54	133.87	433.64	147.12	277.00
<b>2017</b>	405	250	82.68	131.34	1006.00	473.00	1000.00	258.00

**Note - : Not Available**

**Source- Various Performance Indicator Reports of TRAI**

**Table 2 - Average Minute of usage per subscribers per month- GSM service**

Category	Prepaid						Postpaid						Blended					
	Outgoing		Incoming		Total MOU		Outgoing		Incoming		Total MOU		Outgoing		Incoming		Total MOU	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
<b>Circle A</b>	549.40	517.70	394.90	384.40	944.30	902.10	165.50	158.90	167.40	162.60	332.90	321.50	185.80	179.80	179.50	175.50	365.30	355.30
<b>Circle B</b>	558.60	541.60	377.60	362.10	936.20	903.70	162.30	155.50	195.20	192.20	357.50	347.70	172.20	165.60	199.80	196.60	372.00	362.20
<b>Circle C</b>	550.60	534.40	372.90	341.50	923.50	875.90	173.90	168.80	225.80	223.80	399.70	392.60	180.60	176.00	228.50	226.10	409.10	402.10
<b>Metro</b>	518.10	488.90	348.40	332.60	866.50	821.50	191.00	181.50	165.00	160.40	356.00	341.90	235.50	225.10	190.00	184.80	425.50	409.90
<b>All India</b>	542.50	515.80	376.20	362.00	918.70	877.80	167.70	161.00	187.50	184.10	355.20	345.10	184.30	177.90	195.90	192.50	380.20	370.40

Source: TRAI

**Table 3 - Average Minute of usage per subscribers per month- CDMA Full Mobile Service**

Category	Prepaid						Postpaid						Blended					
	Outgoing		Incoming		Total MOU		Outgoing		Incoming		Total MOU		Outgoing		Incoming		Total MOU	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
<b>Circle A</b>	214.72	172.11	156.85	109.46	371.57	281.57	106.52	95.17	97.82	89.68	204.34	184.85	123.54	106.96	107.10	92.71	230.64	199.67
<b>Circle B</b>	382.30	357.71	248.03	192.92	630.33	550.63	142.02	148.55	121.37	120.59	263.39	269.14	156.75	161.10	129.13	124.93	285.88	286.03
<b>Circle C</b>	751.92	622.94	418.83	294.07	1170.75	917.01	191.79	227.97	135.75	149.51	327.54	377.48	217.68	254.47	148.83	159.21	366.51	413.68
<b>Metro</b>	209.43	178.28	134.83	115.59	344.26	293.87	112.92	111.99	88.09	95.42	201.01	207.41	128.01	123.70	95.40	98.98	223.41	222.68
<b>All India</b>	262.32	222.03	174.17	132.77	436.49	354.80	129.14	128.45	107.29	106.83	236.43	235.28	144.35	139.81	114.93	109.98	259.28	249.79

Source: TRAI

# *III – Service Area Wise Performance*



## Service Area wise Performance : Overall

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	300.49	39.41	261.08	76.50	223.99	79.55	220.94
2009	429.73	37.96	391.76	123.51	306.21	89.55	340.18
2010	621.28	36.96	584.32	200.77	420.51	105.87	515.41
2011	846.33	34.73	811.60	282.29	564.04	126.00	720.33
2012	951.35	32.17	919.17	330.83	620.52	130.27	821.08
2013	898.02	30.21	867.81	349.21	548.80	130.11	767.91
2014	933.02	28.50	904.52	377.78	555.23	120.05	812.96
2015	996.13	26.59	969.54	416.08	580.05	100.34	895.79
2016	1059.33	25.22	1034.11	447.77	611.56	108.65	950.68
2017	1194.99	24.40	1170.59	501.81	693.18	122.18	1072.81
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	26.22	3.44	22.78	9.46	66.39	6.94	19.28
2009	36.98	3.27	33.71	15.11	88.84	7.71	29.27
2010	52.74	3.14	49.60	24.31	119.45	8.99	43.75
2011	70.89	2.91	67.98	33.83	156.93	10.55	60.34
2012	78.66	2.66	76.00	39.26	169.17	10.77	67.89
2013	73.32	2.47	70.85	41.05	146.64	10.62	62.69
2014	75.23	2.30	72.94	44.01	145.46	9.68	65.55
2015	79.36	2.12	77.24	48.04	149.04	7.99	71.36
2016	83.40	1.99	81.41	51.26	154.18	8.55	74.85
2017	93.01	1.90	91.11	56.98	171.52	9.51	83.50

Source - DOT compiled Data

## 1. Andhra Pradesh\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	23.29	2.71	20.58	6.23	17.06	4.93	18.36
2009	32.95	2.55	30.40	9.17	23.78	5.66	27.29
2010	48.09	2.46	45.62	14.78	33.30	6.62	41.46
2011	63.05	2.37	60.68	20.66	42.39	9.31	53.74
2012	69.19	2.36	66.83	24.23	44.95	10.99	58.20
2013	66.60	2.24	64.36	26.06	40.55	11.23	55.37
2014	69.19	2.04	67.15	28.58	40.61	11.58	57.62
2015	73.82	1.87	71.95	31.02	42.80	11.10	62.72
2016	76.39	1.74	74.65	32.73	43.66	10.99	65.39
2017	86.58	1.64	84.94	38.73	47.85	11.14	75.44
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	7.75	6.88	7.88	8.15	7.61	6.20	8.31
2009	7.67	6.71	7.76	7.42	7.77	6.32	8.02
2010	7.74	6.66	7.81	7.36	7.92	6.26	8.04
2011	7.45	6.82	7.48	7.32	7.52	7.39	7.46
2012	7.27	7.34	7.27	7.33	7.24	8.44	7.09
2013	7.42	7.41	7.42	7.46	7.39	8.63	7.21
2014	7.42	7.17	7.42	7.57	7.31	9.64	7.09
2015	7.41	7.03	7.42	7.45	7.38	11.06	7.00
2016	7.21	6.88	7.22	7.31	7.14	10.12	6.88
2017	7.25	6.71	7.26	7.72	6.90	9.12	7.03
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	28.25	3.29	24.96	10.44	74.97	5.98	22.27
2009	111.83	8.65	103.18	36.32	103.38	19.20	92.63
2010	57.23	2.93	54.30	24.33	143.19	7.88	49.34
2011	74.35	2.79	71.55	33.70	180.32	10.98	63.37
2012	80.87	2.76	78.11	39.21	189.25	12.85	68.03
2013	77.19	2.60	74.59	41.83	169.00	13.01	64.17
2014	79.52	2.35	77.17	45.53	167.61	13.31	66.22
2015	84.15	2.13	82.02	49.04	174.94	12.65	71.50
2016	86.40	1.96	84.43	51.36	176.81	12.43	73.96
2017	97.18	1.84	95.34	60.35	192.02	12.50	84.68

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data



## 2. Assam\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.34	0.43	3.91	1.12	3.22	1.35	2.99
2009	6.16	0.35	5.81	2.39	3.77	1.32	4.84
2010	9.06	0.31	8.76	4.76	4.31	1.45	7.61
2011	11.93	0.26	11.67	6.23	5.70	1.74	10.19
2012	14.44	0.23	14.21	7.45	6.99	1.49	12.95
2013	14.58	0.19	14.39	8.25	6.33	1.43	13.15
2014	15.46	0.18	15.28	9.20	6.27	1.46	14.00
2015	17.32	0.17	17.15	10.58	6.74	1.43	15.89
2016	18.72	0.16	18.56	11.83	6.90	1.50	17.22
2017	21.99	0.16	21.84	13.81	8.19	1.69	20.30
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	1.45	1.09	1.50	1.47	1.44	1.70	1.36
2009	1.43	0.92	1.48	1.93	1.23	1.48	1.42
2010	1.46	0.83	1.50	2.37	1.02	1.37	1.48
2011	1.41	0.74	1.44	2.21	1.01	1.38	1.41
2012	1.52	0.71	1.55	2.25	1.13	1.15	1.58
2013	1.62	0.64	1.66	2.36	1.15	1.10	1.71
2014	1.66	0.65	1.69	2.43	1.13	1.22	1.72
2015	1.74	0.63	1.77	2.54	1.16	1.42	1.77
2016	1.77	0.64	1.79	2.64	1.13	1.38	1.81
2017	1.84	0.64	1.87	2.75	1.18	1.38	1.89
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	14.74	1.46	13.28	4.44	76.30	4.58	10.16
2009	20.65	1.18	19.47	9.36	87.00	4.44	16.21
2010	29.99	1.02	28.97	18.47	96.55	4.80	25.20
2011	38.98	0.84	38.14	23.93	124.46	5.69	33.30
2012	46.61	0.74	45.87	28.35	148.57	4.82	41.79
2013	46.51	0.62	45.89	31.13	130.91	4.56	41.95
2014	48.74	0.58	48.16	34.36	126.27	4.61	44.13
2015	53.95	0.52	53.43	39.18	132.26	4.45	49.50
2016	57.64	0.49	57.15	43.40	131.88	4.63	53.01
2017	66.97	0.47	66.50	50.25	152.63	5.14	61.83

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

### 3. Bihar\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	12.93	1.42	11.51	3.07	9.87	3.32	9.61
2009	22.36	1.38	20.98	8.15	14.22	4.41	17.95
2010	38.36	1.38	36.97	16.15	22.21	6.11	32.24
2011	54.74	1.20	53.54	24.41	30.32	7.16	47.57
2012	64.09	0.61	63.48	28.95	35.15	6.73	57.36
2013	60.70	0.39	60.30	31.55	29.15	6.29	54.41
2014	61.97	0.38	61.59	34.10	27.86	3.61	58.36
2015	69.67	0.36	69.31	38.91	30.77	3.16	66.51
2016	74.84	0.33	74.51	43.30	31.54	3.66	71.19
2017	84.93	0.31	84.61	48.91	36.02	4.35	80.58
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.30	3.62	4.41	4.01	4.41	4.18	4.35
2009	5.20	3.65	5.35	6.59	4.64	4.92	5.28
2010	6.17	3.74	6.33	8.04	5.28	5.78	6.26
2011	6.47	3.44	6.60	8.65	5.38	5.69	6.60
2012	6.74	1.90	6.91	8.75	5.66	5.17	6.99
2013	6.76	1.30	6.95	9.03	5.31	4.83	7.09
2014	6.64	1.34	6.81	9.03	5.02	3.01	7.18
2015	6.99	1.35	7.15	9.35	5.30	3.15	7.42
2016	7.07	1.32	7.21	9.67	5.16	3.36	7.49
2017	7.11	1.29	7.23	9.75	5.20	3.56	7.51
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	10.43	1.15	9.28	2.86	58.77	2.68	7.75
2009	17.78	1.10	16.68	7.49	83.27	3.51	14.27
2010	30.07	1.08	28.98	14.65	127.96	4.79	25.27
2011	42.32	0.92	41.40	21.86	171.97	5.54	36.78
2012	48.90	0.47	48.43	25.58	196.24	5.13	43.77
2013	45.72	0.30	45.42	27.53	160.29	4.73	40.98
2014	46.10	0.28	45.81	29.41	150.96	2.69	43.41
2015	51.20	0.26	50.94	33.16	164.26	2.33	48.88
2016	54.36	0.24	54.11	36.48	166.00	2.66	51.70
2017	60.99	0.23	60.76	40.76	186.98	3.12	57.86

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

#### 4. Gujarat\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	19.24	2.28	16.97	5.68	13.57	4.38	14.87
2009	26.22	2.11	24.11	8.82	17.40	4.57	21.65
2010	34.43	2.08	32.35	11.84	22.59	5.13	29.30
2011	48.90	1.95	46.96	16.63	32.28	5.69	43.21
2012	55.15	1.83	53.32	19.35	35.80	5.83	49.32
2013	53.49	1.79	51.69	19.23	34.26	5.86	47.62
2014	56.23	1.69	54.54	20.95	35.28	5.60	50.63
2015	60.12	1.55	58.56	22.72	37.40	4.45	55.66
2016	63.68	1.41	62.27	24.77	38.91	4.78	58.90
2017	73.20	1.36	71.84	28.10	45.10	5.96	67.23
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.40	5.78	6.50	7.42	6.06	5.51	6.73
2009	6.10	5.57	6.15	7.14	5.68	5.11	6.36
2010	5.54	5.63	5.54	5.90	5.37	4.84	5.69
2011	5.78	5.61	5.79	5.89	5.72	4.52	6.00
2012	5.80	5.69	5.80	5.85	5.77	4.48	6.01
2013	5.96	5.93	5.96	5.51	6.24	4.51	6.20
2014	6.03	5.93	6.03	5.54	6.35	4.66	6.23
2015	6.03	5.84	6.04	5.46	6.45	4.44	6.21
2016	6.01	5.59	6.02	5.53	6.36	4.40	6.20
2017	6.13	5.56	6.14	5.60	6.51	4.88	6.27
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	33.63	3.98	29.65	16.37	60.14	7.65	25.97
2009	45.16	3.64	41.52	25.21	75.43	7.88	37.28
2010	58.46	3.53	54.93	33.52	95.82	8.71	49.75
2011	81.90	3.26	78.64	46.68	133.99	9.53	72.37
2012	91.13	3.03	88.11	53.89	145.50	9.64	81.50
2013	87.23	2.92	84.31	53.12	136.39	9.56	77.67
2014	90.54	2.72	87.82	57.44	137.63	9.01	81.53
2015	95.61	2.47	93.14	61.85	143.01	7.08	88.53
2016	100.06	2.21	97.85	66.99	145.90	7.51	92.55
2017	113.71	2.11	111.60	75.55	165.93	9.26	104.45

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 5. Haryana\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	7.36	0.95	6.40	2.82	4.54	2.26	5.10
2009	10.78	0.88	9.90	4.66	6.12	2.58	8.20
2010	14.96	0.82	14.13	6.59	8.37	3.36	11.60
2011	21.04	0.65	20.39	8.67	12.37	3.67	17.37
2012	23.15	0.59	22.56	9.53	13.62	3.54	19.61
2013	20.10	0.56	19.54	9.76	10.35	3.61	16.49
2014	21.75	0.50	21.25	10.35	11.40	3.78	17.97
2015	22.41	0.41	22.01	10.40	12.01	3.09	19.33
2016	23.63	0.37	23.26	10.57	13.06	3.51	20.12
2017	25.39	0.35	25.05	11.45	13.94	4.00	21.39
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.45	2.42	2.45	3.68	2.03	2.84	2.31
2009	2.51	2.31	2.53	3.77	2.00	2.88	2.41
2010	2.41	2.23	2.42	3.28	1.99	3.17	2.25
2011	2.49	1.87	2.51	3.07	2.19	2.91	2.41
2012	2.43	1.84	2.45	2.88	2.19	2.72	2.39
2013	2.24	1.86	2.25	2.79	1.89	2.78	2.15
2014	2.33	1.75	2.35	2.74	2.05	3.15	2.21
2015	2.25	1.53	2.27	2.50	2.07	3.08	2.16
2016	2.23	1.46	2.25	2.36	2.14	3.23	2.12
2017	2.12	1.42	2.14	2.28	2.01	3.27	1.99
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	30.39	3.94	26.45	17.18	58.18	9.34	21.05
2009	43.75	3.55	40.20	28.10	75.98	10.48	33.28
2010	59.70	3.28	56.42	39.37	100.63	13.41	46.28
2011	82.59	2.55	80.04	51.33	144.16	14.39	68.20
2012	89.42	2.29	87.14	55.92	153.98	13.68	75.74
2013	76.44	2.13	74.31	56.78	113.50	13.74	62.70
2014	81.44	1.87	79.57	59.77	121.40	14.17	67.27
2015	82.67	1.50	81.17	59.62	124.23	11.38	71.28
2016	85.88	1.34	84.54	60.18	131.24	12.76	73.13
2017	91.01	1.24	89.77	64.81	136.25	14.33	76.68

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 6. Himachal Pradesh\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.72	0.42	2.30	1.82	0.90	1.05	1.67
2009	3.70	0.38	3.32	2.41	1.29	1.27	2.43
2010	5.34	0.36	4.99	3.15	2.19	1.63	3.71
2011	7.55	0.34	7.22	4.25	3.31	2.00	5.55
2012	8.28	0.31	7.97	4.68	3.60	1.98	6.30
2013	7.30	0.28	7.02	4.57	2.72	1.91	5.39
2014	7.37	0.25	7.12	4.77	2.61	1.68	5.69
2015	8.06	0.21	7.86	5.28	2.78	1.63	6.44
2016	9.06	0.17	8.89	5.95	3.11	1.88	7.18
2017	10.58	0.15	10.43	7.10	3.48	2.31	8.27
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	0.90	1.06	0.88	2.37	0.40	1.32	0.75
2009	0.86	1.00	0.85	1.95	0.42	1.42	0.72
2010	0.86	0.97	0.85	1.57	0.52	1.54	0.72
2011	0.89	0.97	0.89	1.50	0.59	1.59	0.77
2012	0.87	0.96	0.87	1.41	0.58	1.52	0.77
2013	0.81	0.93	0.81	1.31	0.50	1.47	0.70
2014	0.79	0.89	0.79	1.26	0.47	1.40	0.70
2015	0.81	0.78	0.81	1.27	0.48	1.62	0.72
2016	0.86	0.68	0.86	1.33	0.51	1.73	0.76
2017	0.89	0.61	0.89	1.42	0.50	1.89	0.77
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	41.16	6.33	34.83	30.81	127.78	15.91	25.25
2009	55.50	5.70	49.80	40.47	179.64	19.01	36.49
2010	79.36	5.31	74.04	52.53	298.28	24.20	55.16
2011	111.11	4.96	106.15	70.23	440.32	29.45	81.66
2012	120.68	4.49	116.18	76.76	469.57	28.85	91.83
2013	105.39	4.05	101.33	74.50	347.60	27.56	77.83
2014	105.59	3.63	101.96	77.07	326.01	24.06	81.53
2015	114.52	2.96	111.56	84.87	340.71	23.12	91.39
2016	127.61	2.41	125.19	95.00	372.94	26.49	101.11
2017	147.86	2.09	145.77	112.65	409.03	32.29	115.57

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 7. Jammu & Kashmir\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.46	0.26	2.20	0.65	1.81	1.18	1.28
2009	3.74	0.24	3.50	1.41	2.34	1.17	2.57
2010	5.78	0.23	5.55	2.29	3.49	1.21	4.57
2011	5.97	0.22	5.75	2.58	3.40	1.05	4.92
2012	6.51	0.20	6.31	2.67	3.84	1.25	5.26
2013	7.04	0.20	6.84	3.21	3.83	1.36	5.69
2014	8.13	0.19	7.94	3.76	4.37	1.46	6.67
2015	9.46	0.15	9.31	4.97	4.49	1.37	8.09
2016	9.95	0.13	9.82	5.19	4.76	1.43	8.51
2017	12.04	0.13	11.91	5.89	6.15	1.61	10.43
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	0.82	0.66	0.84	0.85	0.81	1.49	0.58
2009	0.87	0.63	0.89	1.14	0.76	1.31	0.76
2010	0.93	0.63	0.95	1.14	0.83	1.14	0.89
2011	0.71	0.62	0.71	0.91	0.60	0.83	0.68
2012	0.68	0.64	0.69	0.81	0.62	0.96	0.64
2013	0.78	0.65	0.79	0.92	0.70	1.04	0.74
2014	0.87	0.65	0.88	1.00	0.79	1.21	0.82
2015	0.95	0.56	0.96	1.19	0.77	1.36	0.90
2016	0.94	0.52	0.95	1.16	0.78	1.32	0.90
2017	1.01	0.55	1.02	1.17	0.89	1.32	0.97
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	21.84	2.30	19.54	7.87	61.16	10.48	11.36
2009	32.76	2.10	30.66	16.72	77.42	10.24	22.52
2010	49.90	2.00	47.90	26.93	113.17	10.42	39.49
2011	50.90	1.84	49.06	30.01	107.85	8.95	41.95
2012	54.82	1.72	53.10	30.84	119.52	10.53	44.29
2013	58.57	1.64	56.93	36.72	116.92	11.28	47.29
2014	66.80	1.53	65.27	42.61	130.70	11.99	54.82
2015	76.93	1.21	75.72	55.85	132.04	11.12	65.81
2016	80.02	1.06	78.96	57.90	137.20	11.52	68.50
2017	95.91	1.07	94.84	65.23	174.43	12.83	83.07

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 8. Karnataka\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	19.89	2.84	17.04	4.23	15.65	4.40	15.49
2009	26.33	2.78	23.54	5.30	21.02	4.92	21.41
2010	39.91	2.78	37.13	8.94	30.97	6.04	33.87
2011	52.19	2.74	49.45	13.11	39.09	7.75	44.45
2012	58.41	2.69	55.71	16.54	41.87	8.88	49.53
2013	55.36	2.44	52.91	16.21	39.15	8.82	46.54
2014	56.64	2.32	54.32	17.51	39.13	8.89	47.75
2015	60.32	2.28	58.05	18.64	41.68	8.10	52.22
2016	63.60	2.26	61.34	20.21	43.39	8.25	55.35
2017	71.39	2.24	69.14	22.51	48.88	8.26	63.13
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.62	7.22	6.53	5.53	6.99	5.53	7.01
2009	6.13	7.33	6.01	4.29	6.87	5.49	6.29
2010	6.42	7.51	6.35	4.45	7.36	5.71	6.57
2011	6.17	7.90	6.09	4.64	6.93	6.15	6.17
2012	6.14	8.36	6.06	5.00	6.75	6.81	6.03
2013	6.16	8.09	6.10	4.64	7.13	6.78	6.06
2014	6.07	8.13	6.01	4.63	7.05	7.40	5.87
2015	6.06	8.57	5.99	4.48	7.19	8.08	5.83
2016	6.00	8.94	5.93	4.51	7.09	7.59	5.82
2017	5.97	9.20	5.91	4.49	7.05	6.76	5.88
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	34.53	4.94	29.59	11.53	74.98	7.64	26.89
2009	45.21	4.78	40.43	14.36	98.73	8.44	36.77
2010	67.81	4.72	63.09	24.08	142.62	10.27	57.54
2011	87.76	4.61	83.15	35.10	176.59	13.02	74.74
2012	97.22	4.48	92.74	44.08	185.62	14.78	82.44
2013	91.24	4.03	87.21	43.00	170.38	14.53	76.71
2014	92.45	3.78	88.67	46.24	167.19	14.50	77.95
2015	97.54	3.68	93.86	49.05	174.89	13.10	84.44
2016	101.89	3.61	98.27	52.95	178.85	13.21	88.67
2017	113.39	3.57	109.83	58.81	198.06	13.12	100.27

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 9. Kerala\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.37	3.67	11.70	6.60	8.77	6.26	9.12
2009	19.98	3.58	16.40	9.00	10.98	6.55	13.42
2010	27.65	3.46	24.19	11.43	16.22	7.51	20.15
2011	34.66	3.30	31.36	13.74	20.92	9.15	25.51
2012	37.21	3.19	34.02	16.10	21.10	10.18	27.03
2013	33.76	3.06	30.69	16.22	17.54	10.67	23.09
2014	34.01	2.89	31.12	16.97	17.04	10.72	23.28
2015	33.94	2.59	31.35	17.81	16.13	9.00	24.94
2016	36.61	2.30	34.31	16.64	19.96	9.78	26.83
2017	41.28	2.11	39.16	18.69	22.59	11.11	30.17
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.12	9.32	4.48	8.62	3.92	7.86	4.13
2009	4.65	9.42	4.19	7.29	3.58	7.32	3.95
2010	4.45	9.36	4.14	5.69	3.86	7.09	3.91
2011	4.10	9.50	3.86	4.87	3.71	7.26	3.54
2012	3.91	9.91	3.70	4.87	3.40	7.81	3.29
2013	3.76	10.14	3.54	4.64	3.20	8.20	3.01
2014	3.64	10.13	3.44	4.49	3.07	8.93	2.86
2015	3.41	9.73	3.23	4.28	2.78	8.97	2.78
2016	3.46	9.11	3.32	3.72	3.26	9.00	2.82
2017	3.45	8.65	3.35	3.72	3.26	9.09	2.81
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	45.34	10.83	34.51	26.18	100.79	18.45	26.89
2009	58.48	10.47	48.01	35.43	125.35	19.19	39.29
2010	80.36	10.06	70.31	44.65	184.18	21.82	58.55
2011	100.01	9.52	90.48	53.25	236.25	26.39	73.62
2012	106.61	9.14	97.47	61.94	237.10	29.16	77.45
2013	96.09	8.72	87.37	61.93	196.10	30.36	65.73
2014	96.19	8.16	88.02	64.34	189.66	30.33	65.85
2015	95.41	7.27	88.14	67.09	178.73	25.29	70.12
2016	102.33	6.42	95.91	62.30	220.35	27.35	74.99
2017	114.75	5.87	108.88	69.53	248.35	30.88	83.87

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data



## 10. Madhya Pradesh\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	14.98	1.79	13.19	2.89	12.09	3.82	11.16
2009	22.27	1.68	20.60	5.95	16.32	4.47	17.80
2010	33.55	1.57	31.98	10.79	22.76	5.42	28.13
2011	47.21	1.38	45.83	16.26	30.95	6.06	41.15
2012	52.76	1.14	51.62	18.61	34.15	5.67	47.09
2013	53.28	1.12	52.16	22.49	30.80	6.08	47.20
2014	56.58	1.10	55.48	24.79	31.79	5.78	50.80
2015	61.71	1.11	60.60	27.43	34.28	4.05	57.66
2016	66.72	1.04	65.67	30.44	36.28	5.15	61.56
2017	70.60	1.02	69.58	33.17	37.43	5.92	64.69
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.99	4.55	5.05	3.78	5.40	4.81	5.05
2009	5.18	4.41	5.26	4.82	5.33	5.00	5.23
2010	5.40	4.25	5.47	5.38	5.41	5.12	5.46
2011	5.58	3.98	5.65	5.76	5.49	4.81	5.71
2012	5.55	3.54	5.62	5.63	5.50	4.35	5.74
2013	5.93	3.71	6.01	6.44	5.61	4.67	6.15
2014	6.06	3.87	6.13	6.56	5.73	4.82	6.25
2015	6.19	4.16	6.25	6.59	5.91	4.04	6.44
2016	6.30	4.13	6.35	6.80	5.93	4.74	6.48
2017	5.91	4.20	5.94	6.61	5.40	4.84	6.03
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	16.26	1.95	14.32	4.25	50.44	4.15	12.12
2009	23.79	1.79	22.00	8.61	66.56	4.78	19.01
2010	35.28	1.65	33.63	15.41	90.76	5.70	29.58
2011	48.88	1.43	47.45	22.92	120.74	6.27	42.61
2012	53.81	1.16	52.65	25.90	130.38	5.78	48.03
2013	53.55	1.13	52.42	30.91	115.09	6.11	47.44
2014	56.04	1.09	54.95	33.67	116.34	5.73	50.32
2015	60.25	1.08	59.17	36.81	122.85	3.96	56.29
2016	64.23	1.00	63.23	40.37	127.38	4.96	59.27
2017	67.07	0.97	66.10	43.52	128.86	5.62	61.45

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 11. Maharashtra\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	24.72	3.64	21.08	7.56	17.17	7.06	17.66
2009	34.62	3.27	31.35	13.12	21.49	7.09	27.53
2010	46.53	3.01	43.52	19.66	26.87	7.69	38.83
2011	64.57	2.85	61.72	28.25	36.32	9.08	55.49
2012	73.12	2.65	70.47	32.10	41.01	8.47	64.65
2013	70.87	2.47	68.40	32.54	38.32	8.92	61.95
2014	74.90	2.31	72.59	34.84	40.07	8.47	66.44
2015	79.06	2.12	76.94	37.78	41.28	6.79	72.27
2016	86.09	1.99	84.10	40.38	45.71	7.39	78.70
2017	95.78	1.88	93.90	43.14	52.64	7.92	87.86
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	8.23	9.24	8.07	9.88	7.66	8.88	7.99
2009	8.06	8.61	8.00	10.62	7.02	7.91	8.09
2010	7.49	8.14	7.45	9.79	6.39	7.26	7.53
2011	7.63	8.22	7.60	10.01	6.44	7.21	7.70
2012	7.69	8.22	7.67	9.70	6.61	6.50	7.87
2013	7.89	8.16	7.88	9.32	6.98	6.86	8.07
2014	8.03	8.10	8.03	9.22	7.22	7.05	8.17
2015	7.94	7.96	7.94	9.08	7.12	6.77	8.07
2016	8.13	7.88	8.13	9.02	7.47	6.80	8.28
2017	8.02	7.70	8.02	8.60	7.59	6.49	8.19
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	27.42	4.04	23.38	12.59	56.97	7.83	19.59
2009	37.90	3.58	34.32	21.70	69.67	7.76	30.14
2010	50.30	3.25	47.05	32.27	85.10	8.32	41.99
2011	68.97	3.05	65.93	46.07	112.47	9.70	59.28
2012	77.19	2.79	74.40	52.03	124.23	8.94	68.25
2013	73.97	2.57	71.39	52.43	113.59	9.31	64.65
2014	77.32	2.38	74.93	55.82	116.26	8.74	68.58
2015	80.75	2.16	78.59	60.24	117.32	6.93	73.82
2016	87.06	2.01	85.05	64.11	127.32	7.47	79.59
2017	95.88	1.88	94.00	68.20	143.70	7.93	87.95

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 12. North-East\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.46	0.34	2.12	0.53	1.93	1.05	1.41
2009	3.69	0.34	3.35	0.95	2.73	1.10	2.58
2010	5.64	0.33	5.31	2.52	3.12	1.40	4.24
2011	7.45	0.27	7.18	3.24	4.21	1.71	5.75
2012	8.77	0.25	8.52	3.77	5.00	1.87	6.90
2013	9.15	0.19	8.96	4.13	5.02	1.95	7.20
2014	9.55	0.14	9.41	4.39	5.17	1.66	7.89
2015	10.63	0.13	10.50	5.29	5.34	1.65	8.98
2016	11.20	0.12	11.07	5.64	5.56	1.75	9.45
2017	12.69	0.12	12.57	6.37	6.32	1.79	10.90
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	0.82	0.87	0.81	0.69	0.86	1.32	0.64
2009	0.86	0.88	0.86	0.77	0.89	1.23	0.76
2010	0.91	0.88	0.91	1.25	0.74	1.32	0.82
2011	0.88	0.78	0.89	1.15	0.75	1.36	0.80
2012	0.92	0.78	0.93	1.14	0.81	1.43	0.84
2013	1.02	0.63	1.03	1.18	0.91	1.50	0.94
2014	1.02	0.49	1.04	1.16	0.93	1.38	0.97
2015	1.07	0.48	1.08	1.27	0.92	1.64	1.00
2016	1.06	0.49	1.07	1.26	0.91	1.61	0.99
2017	1.06	0.50	1.07	1.27	0.91	1.46	1.02
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	19.32	2.69	16.63	5.42	64.59	8.26	11.06
2009	28.60	2.60	25.99	9.70	89.46	8.57	20.02
2010	43.22	2.50	40.71	25.36	100.09	10.73	32.49
2011	56.50	2.04	54.46	32.36	132.55	12.95	43.55
2012	65.72	1.89	63.83	37.38	153.90	14.00	51.72
2013	67.78	1.41	66.37	40.57	151.51	14.42	53.36
2014	69.97	1.03	68.94	42.68	153.01	12.17	57.79
2015	77.00	0.92	76.07	51.09	154.91	11.93	65.06
2016	80.22	0.89	79.33	54.01	158.15	12.55	67.67
2017	89.94	0.86	89.08	60.51	176.42	12.68	77.25

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

### 13. Odisha\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.95	0.77	5.18	2.37	3.58	1.94	4.01
2009	9.33	0.65	8.69	4.20	5.13	2.25	7.08
2010	15.89	0.61	15.27	6.95	8.94	3.11	12.77
2011	22.99	0.57	22.42	9.64	13.34	4.39	18.59
2012	27.08	0.46	26.62	11.99	15.09	4.90	22.19
2013	24.98	0.37	24.60	13.30	11.67	4.88	20.10
2014	25.47	0.35	25.13	13.78	11.69	3.67	21.80
2015	28.19	0.32	27.87	15.46	12.73	3.74	24.45
2016	29.37	0.31	29.06	17.32	12.05	4.43	24.93
2017	34.58	0.29	34.29	20.45	14.13	5.31	29.28
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	1.98	1.96	1.98	3.10	1.60	2.44	1.81
2009	2.17	1.71	2.22	3.40	1.68	2.51	2.08
2010	2.56	1.66	2.61	3.46	2.13	2.94	2.48
2011	2.72	1.64	2.76	3.42	2.37	3.49	2.58
2012	2.85	1.44	2.90	3.62	2.43	3.76	2.70
2013	2.78	1.24	2.83	3.81	2.13	3.75	2.62
2014	2.73	1.22	2.78	3.65	2.11	3.06	2.68
2015	2.83	1.20	2.87	3.72	2.19	3.73	2.73
2016	2.77	1.22	2.81	3.87	1.97	4.08	2.62
2017	2.89	1.20	2.93	4.08	2.04	4.34	2.73
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.00	1.95	13.05	7.14	55.59	4.90	10.10
2009	23.30	1.62	21.69	12.55	78.09	5.62	17.69
2010	39.30	1.52	37.78	20.61	133.25	7.70	31.60
2011	56.37	1.40	54.97	28.42	194.96	10.77	45.60
2012	65.84	1.13	64.71	35.11	216.24	11.90	53.94
2013	60.21	0.90	59.31	38.72	164.00	11.76	48.45
2014	60.90	0.83	60.07	39.87	161.16	8.77	52.13
2015	66.85	0.75	66.09	44.46	172.11	8.86	57.98
2016	69.09	0.72	68.37	49.52	159.94	10.43	58.66
2017	80.74	0.68	80.06	58.18	184.01	12.39	68.34

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 14. Punjab\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	13.40	1.68	11.72	4.24	9.15	3.45	9.95
2009	16.53	1.65	14.88	5.63	10.90	4.24	12.29
2010	21.70	1.60	20.10	7.26	14.44	4.95	16.75
2011	30.34	1.58	28.76	9.81	20.53	5.81	24.53
2012	33.40	1.44	31.95	11.17	22.23	5.78	27.62
2013	30.78	1.32	29.46	11.59	19.19	5.42	25.37
2014	32.43	1.22	31.21	12.45	19.98	5.51	26.93
2015	31.75	1.12	30.63	12.47	19.28	3.79	27.96
2016	32.81	1.06	31.75	12.49	20.32	4.24	28.56
2017	36.97	1.01	35.97	13.99	22.99	5.13	31.84
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.46	4.27	4.49	5.55	4.09	4.33	4.51
2009	3.85	4.34	3.80	4.56	3.56	4.74	3.61
2010	3.49	4.34	3.44	3.62	3.43	4.67	3.25
2011	3.58	4.55	3.54	3.48	3.64	4.61	3.41
2012	3.51	4.48	3.48	3.38	3.58	4.43	3.36
2013	3.43	4.37	3.40	3.32	3.50	4.16	3.30
2014	3.48	4.29	3.45	3.30	3.60	4.59	3.31
2015	3.19	4.21	3.16	3.00	3.32	3.78	3.12
2016	3.10	4.20	3.07	2.79	3.32	3.91	3.00
2017	3.09	4.13	3.07	2.79	3.32	4.20	2.97
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	47.89	6.02	41.87	25.08	82.79	12.31	35.58
2009	58.25	5.81	52.44	33.11	95.85	14.95	43.30
2010	75.43	5.58	69.86	42.51	123.57	17.19	58.24
2011	104.09	5.42	98.68	57.23	171.07	19.93	84.16
2012	113.13	4.89	108.24	64.90	180.52	19.57	93.56
2013	103.00	4.42	98.58	67.16	151.97	18.12	84.88
2014	107.22	4.04	103.18	71.96	154.34	18.20	89.02
2015	103.79	3.66	100.12	71.96	145.39	12.39	91.39
2016	106.10	3.43	102.67	71.97	149.78	13.72	92.38
2017	118.28	3.22	115.06	80.51	165.52	16.40	101.87

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 15. Rajasthan\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.34	1.76	13.59	6.28	9.07	4.10	11.24
2009	24.42	1.67	22.76	8.37	16.05	4.72	19.70
2010	35.27	1.53	33.74	15.99	19.28	5.91	29.36
2011	44.39	1.29	43.10	20.05	24.34	6.87	37.51
2012	50.32	1.16	49.16	23.00	27.32	6.70	43.63
2013	49.61	1.01	48.60	23.75	25.87	6.85	42.76
2014	53.57	0.92	52.65	26.21	27.36	6.85	46.72
2015	56.03	0.82	55.21	29.28	26.75	3.99	52.04
2016	60.88	0.79	60.09	32.28	28.60	4.67	56.21
2017	68.10	0.74	67.36	34.62	33.48	6.17	61.93
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.11	4.46	5.20	8.21	4.05	5.16	5.09
2009	5.68	4.39	5.81	6.78	5.24	5.27	5.79
2010	5.68	4.13	5.77	7.96	4.58	5.58	5.70
2011	5.24	3.71	5.31	7.10	4.32	5.46	5.21
2012	5.29	3.62	5.35	6.95	4.40	5.14	5.31
2013	5.52	3.35	5.60	6.80	4.71	5.27	5.57
2014	5.74	3.24	5.82	6.94	4.93	5.71	5.75
2015	5.62	3.09	5.69	7.04	4.61	3.98	5.81
2016	5.75	3.12	5.81	7.21	4.68	4.29	5.91
2017	5.70	3.03	5.75	6.90	4.83	5.05	5.77
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	23.74	2.72	21.02	12.74	59.06	6.35	17.39
2009	37.15	2.53	34.62	16.71	102.56	7.18	29.97
2010	52.76	2.28	50.48	31.42	120.89	8.84	43.92
2011	65.35	1.90	63.46	38.79	149.88	10.12	55.23
2012	72.96	1.69	71.27	43.86	165.30	9.71	63.25
2013	70.85	1.44	69.40	44.63	153.82	9.79	61.06
2014	75.39	1.30	74.09	48.58	160.00	9.65	65.75
2015	77.76	1.14	76.62	53.55	153.93	5.54	72.22
2016	83.36	1.08	82.29	58.30	161.99	6.39	76.98
2017	92.02	1.00	91.02	61.73	186.76	8.33	83.69

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 16. Tamil Nadu\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	20.79	2.50	18.28	5.13	15.65	5.14	15.64
2009	30.04	2.26	27.78	8.22	21.82	5.57	24.47
2010	44.44	2.11	42.34	12.03	32.41	6.64	37.80
2011	58.71	1.98	56.73	15.11	43.59	8.68	50.03
2012	80.87	3.19	77.68	17.21	63.66	12.22	68.65
2013	75.52	3.11	72.41	19.98	55.54	12.00	63.53
2014	78.09	2.91	75.17	21.91	56.18	12.05	66.04
2015	83.08	2.76	80.32	24.05	59.02	10.71	72.36
2016	83.99	2.64	81.35	24.25	59.73	10.65	73.34
2017	91.80	2.55	89.26	26.28	65.53	10.97	80.83
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.92	6.35	7.00	6.71	6.99	6.47	7.08
2009	6.99	5.95	7.09	6.65	7.13	6.22	7.19
2010	7.15	5.70	7.25	5.99	7.71	6.27	7.33
2011	6.94	5.69	6.99	5.35	7.73	6.89	6.95
2012	8.50	9.92	8.45	5.20	10.26	9.38	8.36
2013	8.41	10.29	8.34	5.72	10.12	9.22	8.27
2014	8.37	10.22	8.31	5.80	10.12	10.03	8.12
2015	8.34	10.37	8.28	5.78	10.18	10.68	8.08
2016	7.93	10.47	7.87	5.42	9.77	9.80	7.71
2017	7.68	10.44	7.62	5.24	9.45	8.98	7.53
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	35.09	4.22	30.87	15.78	58.62	8.69	26.41
2009	50.46	3.80	46.67	25.62	79.48	9.36	41.10
2010	74.31	3.52	70.79	38.05	114.94	11.11	63.20
2011	97.73	3.29	94.44	48.55	150.60	14.44	83.28
2012	116.61	4.60	112.01	56.20	164.40	17.61	98.99
2013	108.17	4.45	103.72	66.33	139.93	17.18	90.99
2014	111.14	4.15	106.99	74.02	138.16	17.14	93.99
2015	117.52	3.90	113.62	82.75	141.81	15.16	102.37
2016	118.13	3.71	114.42	85.00	140.34	14.97	103.16
2017	128.41	3.56	124.84	93.88	150.61	15.34	113.06

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 17. Uttar Pradesh\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	31.86	2.81	29.05	9.74	22.12	9.51	22.35
2009	49.45	2.81	46.64	15.98	33.47	11.44	38.02
2010	77.50	2.82	74.68	29.45	48.05	14.41	63.10
2011	111.77	2.32	109.45	43.59	68.18	16.66	95.11
2012	130.78	2.07	128.71	53.27	77.51	16.84	113.94
2013	124.04	1.82	122.22	56.39	67.65	17.01	107.03
2014	127.08	1.34	125.74	61.02	66.06	16.11	110.97
2015	136.42	1.00	135.42	67.71	68.71	11.84	124.58
2016	150.77	0.93	149.84	74.53	76.24	13.95	136.81
2017	172.13	0.89	171.24	82.44	89.69	17.66	154.46
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	10.60	7.14	11.13	12.73	9.88	11.96	10.12
2009	11.51	7.40	11.91	12.94	10.93	12.77	11.18
2010	12.47	7.64	12.78	14.67	11.43	13.61	12.24
2011	13.21	6.69	13.49	15.44	12.09	13.22	13.20
2012	13.75	6.43	14.00	16.10	12.49	12.93	13.88
2013	13.81	6.01	14.08	16.15	12.33	13.07	13.94
2014	13.62	4.71	13.90	16.15	11.90	13.42	13.65
2015	13.69	3.75	13.97	16.27	11.85	11.80	13.91
2016	14.23	3.69	14.49	16.64	12.47	12.84	14.39
2017	14.40	3.65	14.63	16.43	12.94	14.46	14.40
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.93	1.41	14.52	6.23	50.53	4.75	11.17
2009	24.28	1.38	22.90	10.06	74.65	5.61	18.66
2010	37.37	1.36	36.01	18.24	104.68	6.95	30.43
2011	52.97	1.10	51.87	26.57	145.15	7.90	45.07
2012	60.93	0.96	59.97	31.98	161.32	7.85	53.08
2013	56.83	0.83	56.00	33.34	137.69	7.79	49.04
2014	57.27	0.61	56.67	35.55	131.53	7.26	50.01
2015	60.51	0.44	60.06	38.88	133.87	5.25	55.25
2016	65.83	0.41	65.43	42.20	145.42	6.09	59.74
2017	74.03	0.38	73.64	46.06	167.56	7.60	66.43

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data



## 18. West Bengal\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	10.59	1.15	9.44	4.68	5.90	2.70	7.88
2009	16.71	1.05	15.66	8.62	8.09	3.06	13.65
2010	26.07	0.91	25.17	15.00	11.07	3.28	22.79
2011	40.42	0.76	39.66	23.93	16.49	4.07	36.35
2012	46.95	0.68	46.27	27.51	19.44	4.27	42.68
2013	41.71	0.55	41.16	26.77	14.94	4.15	37.56
2014	42.80	0.51	42.29	27.74	15.06	2.55	40.25
2015	47.52	0.44	47.07	31.79	15.73	1.80	45.71
2016	49.87	0.37	49.50	34.38	15.49	2.11	47.75
2017	58.58	0.33	58.25	39.86	18.72	2.23	56.35
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	3.52	2.91	3.62	6.12	2.63	3.40	3.57
2009	3.89	2.78	4.00	6.98	2.64	3.42	4.01
2010	4.20	2.45	4.31	7.47	2.63	3.10	4.42
2011	4.78	2.18	4.89	8.48	2.92	3.23	5.05
2012	4.94	2.12	5.03	8.32	3.13	3.28	5.20
2013	4.64	1.81	4.74	7.67	2.72	3.19	4.89
2014	4.59	1.78	4.68	7.34	2.71	2.12	4.95
2015	4.77	1.66	4.86	7.64	2.71	1.80	5.10
2016	4.71	1.45	4.79	7.68	2.53	1.94	5.02
2017	4.90	1.34	4.98	7.94	2.70	1.82	5.25
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	14.39	1.56	12.83	7.41	56.86	3.67	10.71
2009	22.50	1.42	21.08	13.51	77.04	4.12	18.38
2010	34.78	1.21	33.57	23.32	104.13	4.38	30.40
2011	53.43	1.00	52.43	36.88	153.26	5.38	48.05
2012	61.52	0.89	60.63	42.05	178.63	5.60	55.93
2013	54.18	0.71	53.47	40.58	135.72	5.39	48.79
2014	55.13	0.65	54.48	41.71	135.28	3.29	51.84
2015	60.69	0.56	60.13	47.41	139.77	2.30	58.39
2016	63.16	0.46	62.69	50.88	136.07	2.68	60.48
2017	73.59	0.41	73.18	58.54	162.71	2.80	70.79

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

Source - DOT compiled Data

## 19. Kolkata\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	9.33	1.49	7.84	0.73	8.60	2.43	6.90
2009	13.18	1.54	11.64	1.04	12.14	2.95	10.23
2010	17.87	1.46	16.40	0.72	17.14	3.11	14.76
2011	24.61	1.40	23.21	0.92	23.70	3.69	20.93
2012	26.17	1.18	24.99	0.90	25.27	3.40	22.77
2013	22.40	1.14	21.26	0.95	21.46	3.23	19.18
2014	22.15	1.08	21.07	1.77	20.38	1.71	20.44
2015	23.56	1.00	22.56	1.59	21.97	1.55	22.02
2016	25.93	0.91	25.03	1.79	24.15	1.45	24.48
2017	30.18	0.86	29.32	2.38	27.80	1.57	28.61
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	3.11	3.78	3.00	0.95	3.84	3.05	3.12
2009	3.07	4.05	2.97	0.84	3.96	3.29	3.01
2010	2.88	3.96	2.81	0.36	4.08	2.94	2.86
2011	2.91	4.03	2.86	0.32	4.20	2.93	2.91
2012	2.75	3.68	2.72	0.27	4.07	2.61	2.77
2013	2.49	3.79	2.45	0.27	3.91	2.48	2.50
2014	2.37	3.78	2.33	0.47	3.67	1.42	2.51
2015	2.37	3.78	2.33	0.38	3.79	1.54	2.46
2016	2.45	3.60	2.42	0.40	3.95	1.34	2.58
2017	2.53	3.52	2.50	0.47	4.01	1.28	2.67
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	64.22	10.24	53.98	#	#	16.71	47.51
2009	89.68	10.46	79.21	#	#	20.06	69.62
2010	120.18	9.84	110.34	#	#	20.92	99.27
2011	163.76	9.32	154.44	#	#	24.53	139.23
2012	172.22	7.78	164.44	#	#	22.38	149.84
2013	145.86	7.45	138.41	#	#	21.01	124.85
2014	142.67	6.94	135.73	#	#	11.00	131.66
2015	150.20	6.40	143.80	#	#	9.87	140.33
2016	163.56	5.73	157.82	#	#	9.16	154.39
2017	188.37	5.36	183.01	#	#	9.80	178.58

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

# : Rural -Urban breakup of population not available

Source - DOT compiled Data

## 20. Chennai\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	8.44	1.38	7.06	0.12	8.32	1.99	6.44
2009	10.63	1.40	9.23	0.12	10.51	2.14	8.50
2010	12.81	1.47	11.35	0.12	12.69	2.30	10.52
2011	14.38	1.48	12.90	0.11	14.27	2.53	11.86
2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.81	3.49	2.70	0.16	3.71	2.50	2.92
2009	2.47	3.70	2.36	0.10	3.43	2.39	2.50
2010	2.06	3.97	1.94	0.06	3.02	2.17	2.04
2011	1.70	4.27	1.59	0.04	2.53	2.01	1.65
2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	103.90	16.94	86.96	#	102.41	24.54	79.36
2009	127.38	16.82	110.56	#	125.91	25.61	101.77
2010	149.41	17.10	132.32	#	148.00	26.80	122.61
2011	163.40	16.83	146.57	#	162.12	28.71	134.70
2012	Included in Tamilnadu						
2013							
2014							
2015							
2016							
2017							

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

# : Rural -Urban breakup of population not available

Source - DOT compiled Data

## 21. Delhi\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	18.70	2.42	16.28	0.00	18.70	3.18	15.52
2009	24.50	2.52	21.98	0.00	24.50	3.59	20.92
2010	31.01	2.71	28.30	0.34	30.67	3.94	27.07
2011	41.66	2.84	38.82	1.10	40.56	4.19	37.47
2012	45.40	2.91	42.49	1.78	43.63	4.45	40.95
2013	43.39	2.96	40.43	2.13	41.25	4.19	39.20
2014	45.69	3.10	42.58	2.37	43.32	3.91	41.78
2015	49.33	3.14	46.19	2.22	47.11	3.96	45.37
2016	50.42	3.17	47.24	2.26	48.16	3.93	46.48
2017	56.57	3.22	53.35	2.54	54.03	3.93	52.65
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.22	6.14	6.24	0.00	8.35	4.00	7.03
2009	5.70	6.64	5.61	0.00	8.00	4.00	6.15
2010	4.99	7.34	4.84	0.17	7.29	3.72	5.25
2011	4.92	8.17	4.78	0.39	7.19	3.32	5.20
2012	4.77	9.05	4.62	0.54	7.03	3.42	4.99
2013	4.83	9.81	4.66	0.61	7.52	3.22	5.10
2014	4.90	10.89	4.71	0.63	7.80	3.26	5.14
2015	4.95	11.81	4.76	0.53	8.12	3.95	5.06
2016	4.76	12.57	4.57	0.50	7.87	3.62	4.89
2017	4.73	13.21	4.56	0.51	7.80	3.22	4.91
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	110.05	14.24	95.81	#	#	18.72	91.33
2009	140.18	14.42	125.75	#	#	20.52	119.66
2010	172.49	15.08	157.41	#	#	21.93	150.57
2011	225.25	15.35	209.90	#	#	22.64	202.62
2012	245.48	15.75	229.73	#	#	24.06	221.43
2013	221.64	15.13	206.51	#	#	21.39	200.25
2014	226.84	15.41	211.43	#	#	19.41	207.43
2015	237.99	15.16	222.84	#	#	19.10	218.89
2016	236.29	14.86	221.43	#	#	18.44	217.86
2017	257.76	14.68	243.08	#	#	17.90	239.86

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

# : Rural -Urban breakup of population not available

Source - DOT compiled Data

## 22. Mumbai\*

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	16.32	2.69	13.63	0.00	16.32	4.03	12.29
2009	22.11	2.88	19.23	0.00	22.11	4.47	17.64
2010	29.43	2.95	26.48	0.00	29.43	4.65	24.78
2011	37.79	2.99	34.80	0.00	37.79	4.75	33.04
2012	39.29	3.01	36.28	0.00	39.29	4.84	34.45
2013	33.36	2.99	30.37	0.13	33.23	4.27	29.09
2014	33.95	3.06	30.89	0.35	33.61	3.00	30.95
2015	33.73	3.06	30.67	0.68	33.06	3.14	30.59
2016	34.84	3.04	31.80	0.84	34.00	3.13	31.71
2017	39.62	3.04	36.58	1.40	38.23	3.16	36.46
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.43	6.81	5.22	0.00	7.28	5.06	5.56
2009	5.15	7.59	4.91	0.00	7.22	4.99	5.19
2010	4.74	7.97	4.53	0.00	7.00	4.39	4.81
2011	4.47	8.61	4.29	0.00	6.70	3.77	4.59
2012	4.13	9.36	3.95	0.00	6.33	3.72	4.20
2013	3.71	9.88	3.50	0.04	6.05	3.28	3.79
2014	3.64	10.75	3.42	0.09	6.05	2.50	3.81
2015	3.39	11.52	3.16	0.16	5.70	3.13	3.42
2016	3.29	12.05	3.07	0.19	5.56	2.88	3.34
2017	3.32	12.47	3.13	0.28	5.51	2.59	3.40
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	83.48	13.74	69.74	#	#	20.61	62.87
2009	110.52	14.40	96.12	#	#	22.34	88.18
2010	143.71	14.38	129.33	#	#	22.70	121.01
2011	180.44	14.29	166.16	#	#	22.70	157.75
2012	187.62	14.37	173.25	#	#	23.11	164.50
2013	152.44	13.64	138.80	#	#	19.52	132.92
2014	151.90	13.71	138.19	#	#	13.44	138.45
2015	147.81	13.42	134.39	#	#	13.77	134.04
2016	149.60	13.05	136.55	#	#	13.45	136.16
2017	166.77	12.80	153.96	#	#	13.30	153.47

\* : Areas covered by the Service Area/Telecom Circle given in Annexure

# : Rural -Urban breakup of population not available

Source - DOT compiled Data



# *IV – Operator Wise Statistics*





**Table 1 - Operator-wise Telecom  
Subscribers in India (2008-2017)**

		<b>(In Million)</b>	
<b>At the end of March</b>	<b>Total - PSUs</b>	<b>Total Private</b>	<b>Grand Total</b>
<b>2008</b>	79.55	220.94	300.49
<b>2009</b>	89.55	340.18	429.73
<b>2010</b>	105.87	515.41	621.28
<b>2011</b>	126.00	720.33	846.33
<b>2012</b>	130.27	821.08	951.35
<b>2013</b>	130.11	767.91	898.02
<b>2014</b>	120.05	812.96	933.02
<b>2015</b>	100.34	895.79	996.13
<b>2016</b>	108.65	950.68	1059.33
<b>2017</b>	122.18	1072.81	1194.99

Source - DOT Compiled Data

**Table 2 - PSU Telecom Subscribers  
in India (2008-2017)**

	<b>(In Million)</b>	
<b>At the end of March</b>	<b>BSNL</b>	<b>MTNL</b>
<b>2008</b>	72.34	7.21
<b>2009</b>	81.49	8.06
<b>2010</b>	97.28	8.59
<b>2011</b>	117.06	8.94
<b>2012</b>	120.98	9.29
<b>2013</b>	121.65	8.46
<b>2014</b>	113.14	6.91
<b>2015</b>	93.24	7.10
<b>2016</b>	101.58	7.06
<b>2017</b>	115.09	7.09

Source - DOT Compiled Data

**Table 3 - Operator-wise  
subscriber percent share to Total  
(All Operators) (2008-2017)**

<b>At the end of March</b>	<b>PSUs</b>	<b>Private</b>
<b>2008</b>	26.47	73.53
<b>2009</b>	20.84	79.16
<b>2010</b>	17.04	82.96
<b>2011</b>	14.89	85.11
<b>2012</b>	13.69	86.31
<b>2013</b>	14.49	85.51
<b>2014</b>	12.87	87.13
<b>2015</b>	10.07	89.93
<b>2016</b>	10.26	89.74
<b>2017</b>	10.22	89.78

Source - DOT Compiled Data

**Table 4 - PSU Operators'  
percent share to Total (All  
Operators) (2008-2017)**

<b>At the end of March</b>	<b>BSNL</b>	<b>MTNL</b>
<b>2008</b>	24.07	2.40
<b>2009</b>	18.96	1.87
<b>2010</b>	15.66	1.38
<b>2011</b>	13.83	1.06
<b>2012</b>	12.72	0.98
<b>2013</b>	13.55	0.94
<b>2014</b>	12.13	0.74
<b>2015</b>	9.36	0.71
<b>2016</b>	9.59	0.67
<b>2017</b>	9.63	0.59

**Source - DOT Compiled Data**

**Table 5 - Subscribers of Private Operators in India (2008-2017)**

(In Million)														
At the end of March	Bharti	Reliance	Reliance -Jio	Vodafone	TATA	Idea	Aircel	Loop/BPL mobile	Quadrant/HF CL	SISTEMA	Telewings/U ninor	Stel	Etisalat DB Telcom	Videocon
<b>2008</b>	64.27	46.67	Started services from October, 2016	44.13	25.05	28.21	10.61	1.29	0.45	0.26	0.00	0.00	0.00	0.00
<b>2009</b>	96.65	73.77		68.77	36.04	43.02	18.48	2.16	0.55	0.73	0.00	0.00	0.00	0.00
<b>2010</b>	130.69	103.60		100.86	67.10	63.82	36.86	2.84	0.50	3.82	4.26	1.01	0.00	0.03
<b>2011</b>	165.50	136.95		134.57	90.42	89.50	54.84	3.09	1.66	10.10	22.79	2.82	0.97	7.11
<b>2012</b>	184.55	154.32		150.48	83.19	112.72	62.57	3.27	1.53	15.85	42.43	3.43	0.78	5.95
<b>2013</b>	191.48	124.22		152.39	67.92	121.61	60.07	3.01	1.56	11.96	31.68	0.00	0.00	2.01
<b>2014</b>	208.75	112.13		166.62	64.55	135.79	70.15	2.90	2.39	9.09	35.61	0.00	0.00	4.99
<b>2015</b>	229.43	110.65		183.88	67.99	157.81	81.40	0.00	2.96	8.92	45.62	0.00	0.00	7.13
<b>2016</b>	254.90	103.58		198.04	61.82	175.07	87.09	0.00	3.42	7.75	52.45	0.00	0.00	6.56
<b>2017</b>	277.51	84.68	108.68	209.20	50.74	195.37	90.90	0.00	0.26	4.97	50.49	0.00	0.00	0.00

Source - DOT Compiled Data

**Table 6 - Private Operators' Subscriber percent share to Total (All Operators) (2008-2017)**

At the end of March	Bharti	Reliance	Reliance -Jio	Vodafone	TATA	Idea	Aircel	Loop/BPL mobile	Quadrant/HF CL	SISTEMA	Telewings/U minor	Stel	Etisalat DB Telcom	Videocon
<b>2008</b>	21.39	15.53	Started services from October, 2016	14.68	9.39	9.39	3.53	0.43	0.15	0.09	0.00	0.00	0.00	0.00
<b>2009</b>	22.49	17.17		16.00	10.01	10.01	4.30	0.50	0.13	0.17	0.00	0.00	0.00	0.00
<b>2010</b>	21.03	16.68		16.23	10.27	10.27	5.93	0.46	0.08	0.62	0.69	0.16	0.00	0.01
<b>2011</b>	19.56	16.18		15.90	10.58	10.58	6.48	0.37	0.20	1.19	2.69	0.33	0.11	0.84
<b>2012</b>	19.40	16.22		15.82	11.85	11.85	6.58	0.34	0.16	1.67	4.46	0.36	0.08	0.63
<b>2013</b>	21.32	13.83		16.97	13.54	13.54	6.69	0.33	0.17	1.33	3.53	0.00	0.00	0.22
<b>2014</b>	22.37	12.02		17.86	14.55	14.55	7.52	0.31	0.26	0.97	3.82	0.00	0.00	0.53
<b>2015</b>	23.03	11.11		18.46	15.84	15.84	8.17	0.00	0.30	0.90	4.58	0.00	0.00	0.72
<b>2016</b>	24.06	9.78		18.69	16.53	16.53	8.22	0.00	0.32	0.73	4.95	0.00	0.00	0.62
<b>2017</b>	23.22	7.09	9.09	17.51	4.25	16.35	7.61	0.00	0.02	0.42	4.23	0.00	0.00	0.00

Source - DOT Compiled Data



# *V – International Comparison*





Table 1 - Fixed-telephone Subscriptions International Comparisons (2005-2017)										
									(In Million)	
Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
<b>2005</b>	1243	570	673	50	10	30	559	64	273	291
<b>2006</b>	1261	565	696	41	11	31	577	69	273	284
<b>2007</b>	1254	546	708	39	11	33	579	72	265	278
<b>2008</b>	1249	544	705	38	12	35	567	73	261	287
<b>2009</b>	1254	562	692	37	13	34	571	73	267	277
<b>2010</b>	1229	553	676	35	12	35	553	74	263	274
<b>2011</b>	1202	540	661	33	12	35	537	73	258	269
<b>2012</b>	1179	527	653	31	11	34	528	71	251	266
<b>2013</b>	1142	516	626	29	10	33	504	69	249	259
<b>2014</b>	1095	503	592	27	10	30	476	66	245	252
<b>2015</b>	1046	490	556	26	10	30	439	62	240	248
<b>2016</b>	1004	479	524	24	10	30	410	58	237	243
<b>2017*</b>	972	471	500	-	10	30	387	56	235	239
Source- ITU Website		*Estimated								

**Table 2 - Fixed-telephone Subscriptions per 100 Inhabitants International Comparisons (2005-2017)**

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
<b>2005</b>	19	47	13	4	1	9	15	23	46	33
<b>2006</b>	19	47	13	4	2	10	15	25	45	32
<b>2007</b>	19	45	13	3	2	10	15	26	44	31
<b>2008</b>	19	44	13	3	2	10	15	26	43	31
<b>2009</b>	18	46	12	3	2	10	15	26	44	30
<b>2010</b>	18	45	12	3	2	10	14	26	43	29
<b>2011</b>	17	43	12	3	1	10	14	26	42	28
<b>2012</b>	17	42	11	3	1	10	13	25	40	28
<b>2013</b>	16	41	11	2	1	9	13	25	40	27
<b>2014</b>	15	40	10	2	1	8	12	24	39	26
<b>2015</b>	14	39	9	2	1	8	11	22	38	25
<b>2016</b>	14	38	9	2	1	8	10	21	38	24
<b>2017</b>	13	37	8	-	1	8	9	20	37	24

Source- ITU Website

*\*Estimated*

**Table 3 - Mobile Cellular Subscriptions International Comparisons (millions) (2005-2017)**

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
<b>2005</b>	2205	992	1213	90	87	84	833	166	550	459
<b>2006</b>	2745	1127	1618	166	129	125	1074	227	610	552
<b>2007</b>	3368	1243	2125	234	174	173	1398	267	677	649
<b>2008</b>	4030	1325	2705	347	246	213	1773	312	714	741
<b>2009</b>	4640	1383	3257	525	298	263	2164	355	717	809
<b>2010</b>	5290	1404	3887	752	366	310	2614	377	709	881
<b>2011</b>	5890	1406	4483	894	437	349	3029	360	723	952
<b>2012</b>	6261	1443	4817	865	506	379	3234	370	736	995
<b>2013</b>	6661	1479	5183	886	576	405	3463	386	746	1043
<b>2014</b>	6996	1527	5468	944	639	412	3678	390	743	1092
<b>2015</b>	7184	1563	5621	1001	708	416	3778	395	741	1104
<b>2016</b>	7511	1603	5909	1128	709	415	4070	397	742	1136
<b>2017*</b>	7740	1607	6133	-	759	420	4230	398	745	1145

Source- ITU Website

*\*Estimated*

**Table 4 - Mobile-Cellular Subscriptions per 100 Inhabitants International Comparisons (2005-2017)**

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
<b>2005</b>	34	82	23	8	12	27	23	60	92	52
<b>2006</b>	42	93	30	15	18	39	29	82	101	62
<b>2007</b>	51	102	39	20	24	53	37	96	112	72
<b>2008</b>	60	108	49	30	32	63	47	112	117	81
<b>2009</b>	68	112	58	44	38	76	56	127	117	87
<b>2010</b>	77	113	69	62	45	88	67	134	115	94
<b>2011</b>	84	113	78	73	52	99	77	128	117	101
<b>2012</b>	88	116	83	70	59	105	82	131	119	104
<b>2013</b>	93	118	88	71	66	110	87	137	120	108
<b>2014</b>	97	122	91	74	71	110	91	139	119	112
<b>2015</b>	98	125	93	78	76	109	93	141	118	112
<b>2016</b>	102	127	96	87	75	107	99	141	118	114
<b>2017*</b>	104	127	99	-	78	106	102	141	118	114

Source- ITU Website

*\*Estimated*

**Table 5 - Fixed Broadband Subscriptions International Comparisons (2005-2017)**

								(In Million)		
Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	220	148	71	1	0	1	80	2	66	66
2006	284	188	96	2	0	2	103	4	89	81
2007	346	219	127	3	1	3	122	6	111	98
2008	411	250	161	5	1	4	151	12	125	112
2009	468	271	197	8	1	6	183	17	136	120
2010	526	291	236	11	1	7	214	22	145	131
2011	598	313	285	13	2	8	253	26	157	145
2012	649	328	321	15	2	10	279	31	163	155
2013	692	343	349	15	3	12	299	36	171	164
2014	731	354	377	16	3	14	320	38	177	171
2015	842	370	472	17	3	16	408	42	184	181
2016	917	382	535	19	4	18	463	44	190	190
2017*	979	392	588	-	4	21	509	47	195	197
Source- ITU Website		*Estimated								

**Table 6 - Fixed Broadband Subscriptions per 100 Inhabitants International Comparisons (2005-2017)**

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
<b>2005</b>	3	12	1	0	0	0	2	1	11	7
<b>2006</b>	4	15	2	0	0	1	3	1	15	9
<b>2007</b>	5	18	2	0	0	1	3	2	18	11
<b>2008</b>	6	20	3	0	0	1	4	4	20	12
<b>2009</b>	7	22	4	1	0	2	5	6	22	13
<b>2010</b>	8	23	4	1	0	2	6	8	24	14
<b>2011</b>	9	25	5	1	0	2	6	9	25	15
<b>2012</b>	9	26	6	1	0	3	7	11	26	16
<b>2013</b>	10	27	6	1	0	3	7	13	27	17
<b>2014</b>	10	28	6	1	0	4	8	14	28	18
<b>2015</b>	12	29	8	1	0	4	10	15	29	18
<b>2016</b>	12	30	9	1	0	5	11	16	30	19
<b>2017*</b>	13	31	9	-	0	5	12	17	31	20

Source- ITU Website

*\*Estimated*

**Table 7 - Individuals using the internet (2005-2017)**

									(In Million)	
Year ending	World	Developed	Developing	India <sup>@</sup>	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
<b>2005</b>	1024	617	407	6	15	26	345	27	279	318
<b>2006</b>	1147	651	496	8	19	33	395	35	301	348
<b>2007</b>	1367	723	645	41	24	46	505	47	341	387
<b>2008</b>	1547	753	794	77	30	55	616	55	368	405
<b>2009</b>	1729	776	953	131	37	65	728	65	388	428
<b>2010</b>	1991	824	1167	194	54	84	873	94	410	456
<b>2011</b>	2184	841	1343	401	68	93	989	111	419	483
<b>2012</b>	2424	898	1526	472	85	106	1110	139	434	526
<b>2013</b>	2631	923	1708	165	107	120	1239	153	447	541
<b>2014</b>	2880	947	1933	252	132	135	1397	163	461	567
<b>2015</b>	3150	972	2178	302	164	151	1552	174	472	612
<b>2016</b>	3385	1002	2383	343	190	162	1697	183	490	637
<b>2017*</b>	3578	1023	2555	343	213	173	1813	191	501	662

Source- ITU Website, (@TRA I) *\*Estimated*

**Table 8 - Individuals using the internet per 100 Inhabitants (2005 - 2017)**

Year ending	World	Developed	Developing	India <sup>@</sup>	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
<b>2005</b>	16	51	8	0	2	8	9	10	46	36
<b>2006</b>	18	53	9	0	3	12	11	13	50	39
<b>2007</b>	21	59	12	4	3	14	13	17	56	43
<b>2008</b>	23	61	14	7	4	19	16	20	60	44
<b>2009</b>	25	63	17	11	5	21	19	23	63	46
<b>2010</b>	29	67	21	16	7	24	22	34	67	49
<b>2011</b>	31	68	23	34	8	26	25	39	68	51
<b>2012</b>	34	72	26	39	10	30	28	49	70	55
<b>2013</b>	37	74	29	13	12	33	31	54	72	56
<b>2014</b>	40	76	32	20	15	36	35	58	74	58
<b>2015</b>	43	77	36	24	18	40	38	62	75	62
<b>2016</b>	46	80	39	27	20	42	41	65	78	64
<b>2017*</b>	48	81	41	27	22	44	44	68	80	66

Source- ITU Website, (@TRA I) *\*Estimated*



## *VI – Revenue*



**Table 1 - Revenue from Telecom Services (₹ crores) (2007-2017)**

Year ending	Telecom Sector *		Access Services *		Licence Fee@	Spectrum Charges@	Auction Revenue@
	Gross Revenue	Adjusted Gross Revenue	Adjusted Gross Revenue	ARPU per month			
<b>2007</b>	-	-	-	-	7037.92	2090.39	-
<b>2008</b>	-	-	-	-	8855.24	3055.72	-
<b>2009</b>	40444.66	29725.37	-	-	9511.00	3455.00	-
<b>2010</b>	40265.12	28829.53	23386.04	132.00	9778.52	3809.54	-
<b>2011</b>	45513.05	31470.63	24500.33	100.00	10286.44	3433.23	106264.73
<b>2012</b>	49242.99	34457.07	27408.03	97.24	11790.93	5192.30	-
<b>2013</b>	54283.78	35279.50	27801.94	103.66	11456.48	5679.19	1722.24
<b>2014</b>	60716.21	41016.13	31922.39	115.28	12955.00	6883.67	18267.18
<b>2015</b>	65226.73	45157.78	35938.26	121.81	12358.00	17841.93**	-
<b>2016</b>	68335.39	48379.00	39885.55	126.91	15771.00	-	-
<b>2017</b>	63315.18	40831.33	31594.91	89.34	-	-	-

- : Not Available                      \*\* : Including Auction Fee

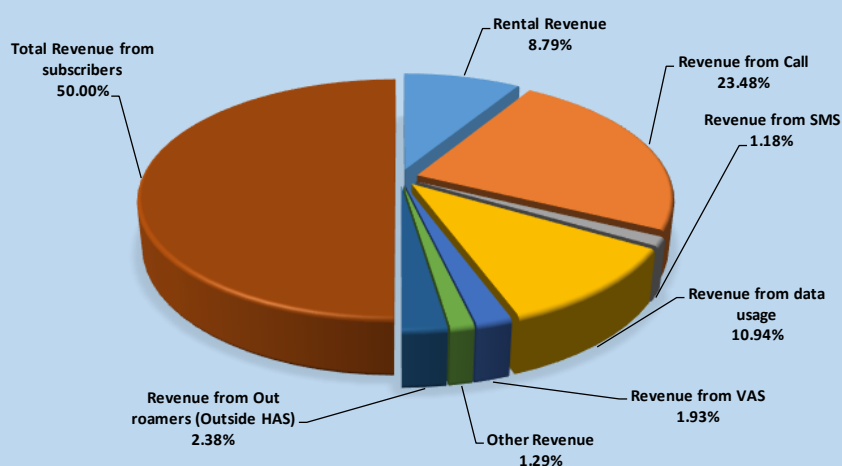
Source- \* : Performance Indicator Reports of TRAI

@ : Annual Reports of DOT

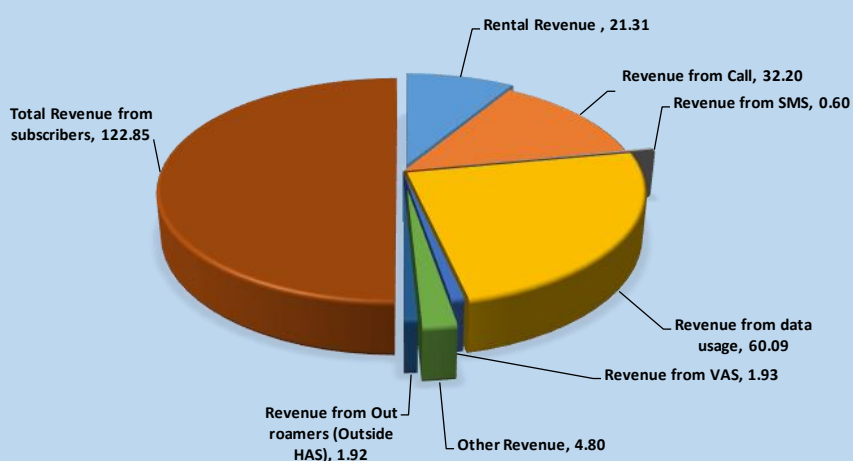
**Table 2 - Composition of ARPU per month and Share of Revenue - GSM service and CDMA Full Mobility Service**

S.No.	Item	2016		2016	
		GSM Service	%age share	CDMA Full Mobility Service	%age share
1	Rental Revenue	22.09	17.58	21.31	17.35
2	Revenue from Call	59.00	46.96	32.20	26.21
3	Revenue from SMS	2.97	2.36	0.60	0.49
4	Revenue from data usage	27.50	21.89	60.09	48.91
5	Revenue from VAS	4.86	3.87	1.93	1.57
6	Other Revenue	3.24	2.58	4.80	3.91
7	Revenue from Out roamers (Outside HAS)	5.99	4.77	1.92	1.56
8	Total Revenue from subscribers	125.65	100.00	122.85	100.00

**FIG 2 - SHARE OF REVENUE (GSM)**



**FIG 2A - SHARE OF REVENUE (CDMA)**

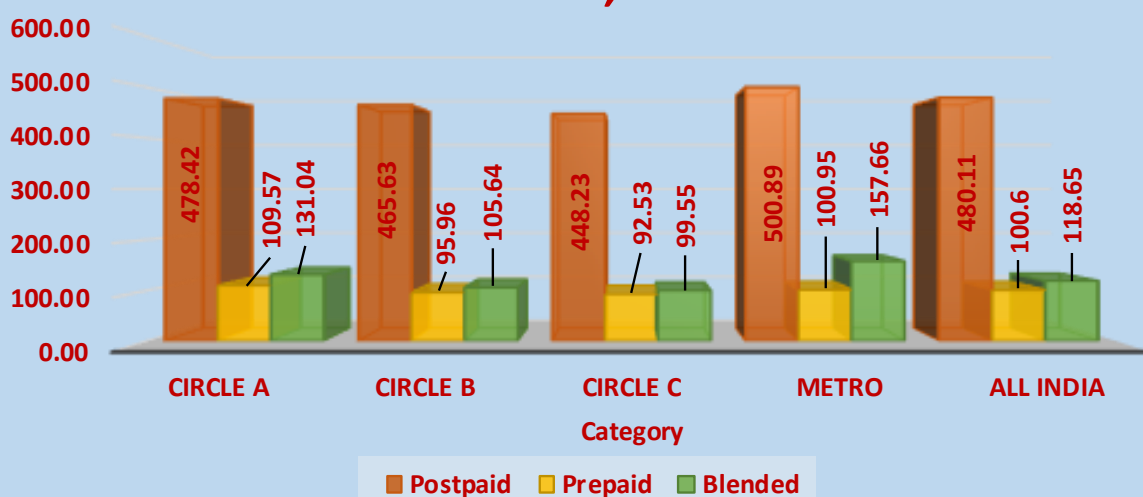


**Table 3 - Average Monthly ARPU-  
GSM Service**

Category	Postpaid		Prepaid		Blended	
	2015	2016	2015	2016	2015	2016
Circle A	483.43	478.42	112.88	109.57	132.5	131.04
Circle B	460.58	465.63	101.43	95.96	110.37	105.64
Circle C	474.79	448.23	97.17	92.53	103.94	99.55
Metro	521.68	500.89	113.77	100.95	169.25	157.66
All India	488.88	480.11	105.88	100.6	122.88	118.65

Source: TRAI

**Fig 3 - Average Monthly ARPU -  
GSM Service, Year 2016**

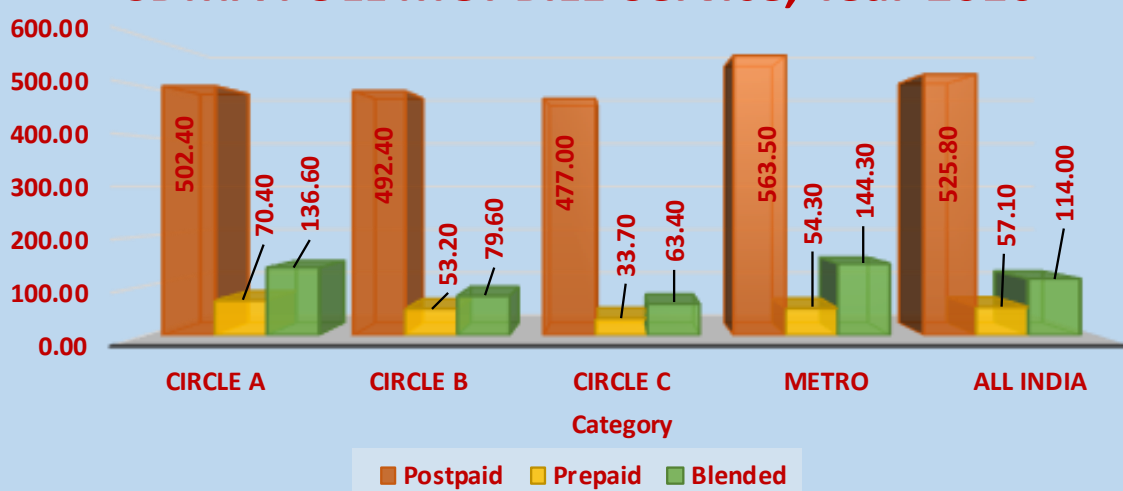


**Table 4 - Average Monthly ARPU  
- CDMA Full Mobile Service**

Category	Postpaid		Prepaid		Blended	
	2015	2016	2015	2016	2015	2016
Circle A	469.00	502.40	68.80	70.40	131.70	136.60
Circle B	455.90	492.40	50.70	53.20	75.50	79.60
Circle C	434.50	477.00	35.80	33.70	54.20	63.40
Metro	564.60	563.50	54.10	54.30	134.00	144.30
All India	503.00	525.80	55.10	57.10	106.30	114.00

Source: TRAI

**Fig 4 - Average Monthly ARPU -  
CDMA FULL MOPBILE Service, Year 2016**



## *VII – Foreign Direct Investment (FDI)*

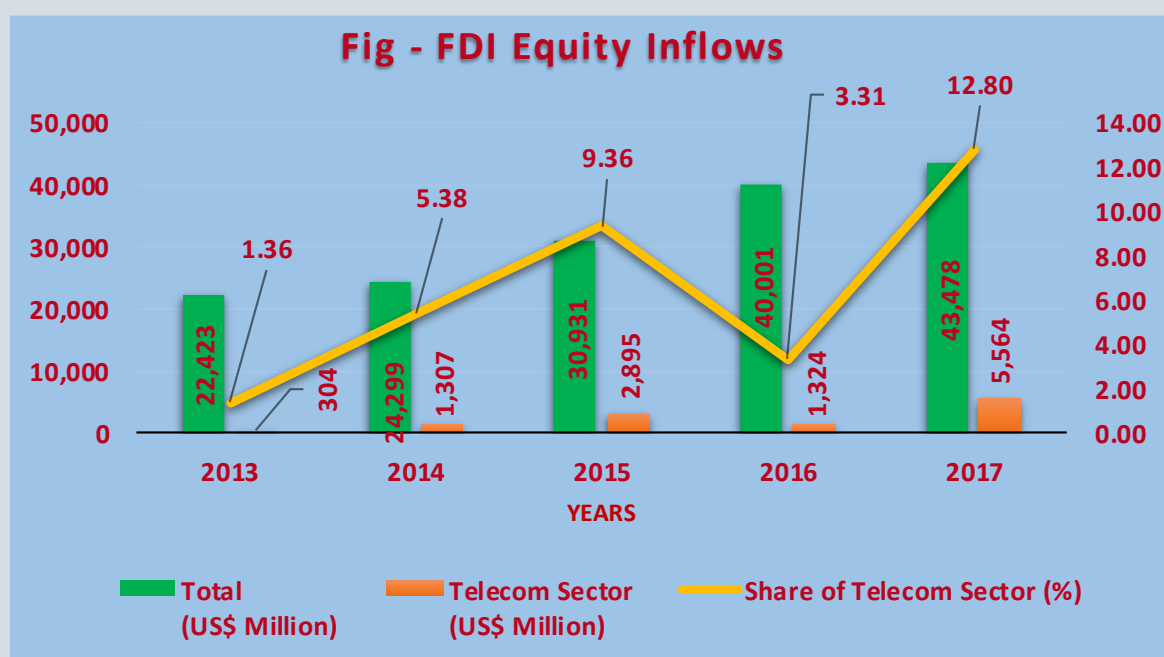




**Table - FDI EQUITY INFLOWS (2001-2017)**

Year	Total (US\$ Million)	Telecom Sector (US\$ Million)	Share of Telecom Sector (%)
2001	2463	178	7.21
2002	4065	873	21.48
2003	2705	192	7.08
2004	2188	86	3.95
2005	3,219	118	3.68
2006	5,540	618	11.15
2007	12,492	477	3.82
2008	24,575	1,261	5.13
2009	31,396	2,549	8.12
2010	25,834	2,539	9.83
2011	21,383	1,664	7.78
2012	35,121	1,997	5.69
2013	22,423	304	1.36
2014	24,299	1,307	5.38
2015	30,931	2,895	9.36
2016	40,001	1,324	3.31
2017	43,478	5,564	12.80

Source - DIPP





*VIII – Base Transceiver  
Stations (BTS) &  
Telecom Tower Count  
for the country*



**Table - Base Transceiver Stations (BTS) & Telecom  
tower count for the country**

<b>Sl. No.</b>	<b>Name of LSA</b>	<b>BTS-count 31.08.2017</b>	<b>Tower-count 31.08.2017</b>
1	Andhra Pradesh	125823	34949
2	Assam	31917	10155
3	Bihar	77807	29699
4	Chennai	42747	11103
5	Delhi	79807	19843
6	Gujarat	95861	26265
7	Himachal Pradesh	15349	5048
8	Haryana	39291	10022
9	J&K	24757	7773
10	Karnataka	118955	28418
11	Kolkata	40368	9137
12	Kerala	79247	15889
13	Mumbai	56374	14589
14	Maharashtra	135984	35920
15	Madhya Pradesh	92989	30391
16	North East	20521	6528
17	Odisha	40382	15103
18	Punjab	69341	18062
19	Rajasthan	81282	24647
20	TamilNadu	89585	27744
21	UP (East)	100098	29911
22	UP(West)	79665	23797
23	West Bengal	56270	17926
<b>Total</b>		<b>1594420</b>	<b>452919</b>

Source: TERM Cell, DoT



## *IX – North-Eastern Region (NER)*





**Table 1 - Wireline connections in the North-East vis a vis All India**

<b>North East</b>			
<b>As on 31st March</b>	<b>Wireline</b>		
	<b>PSUs</b>	<b>Pvt.</b>	<b>Total</b>
<b>2010-11</b>	524819	2259	527078
<b>2011-12</b>	479358	2869	482227
<b>2012-13</b>	383799	480	384279
<b>2013-14</b>	322781	1140	323921
<b>2014-15</b>	293138	1560	294698
<b>2015-16</b>	282949	1920	284869
<b>% Change in 2015-16 Over 2010-11</b>	-46.09%	-15.01%	-45.95%
<b>All India</b>			
<b>2010-11</b>	28688874	6040975	34729849
<b>2011-12</b>	25925461	6246010	32171471
<b>2012-13</b>	23906111	6307631	30213742
<b>2013-14</b>	22030222	6468623	28498845
<b>2014-15</b>	19964111	6630228	26594339
<b>2015-16</b>	18266458	6958110	25224568
<b>% Change in 2015-16 Over 2010-11</b>	-36.33%	15.18%	-27.37%

Source: DOT

**Table 2 - State-wise wireline (rural/urban) connections in the North-East**

<b>States</b>	<b>As on 31st March 2016</b>		<b>As on 31st March 2015</b>		<b>As on 31st March 2014</b>	
	<b>RURAL</b>	<b>URBAN</b>	<b>RURAL</b>	<b>URBAN</b>	<b>RURAL</b>	<b>URBAN</b>
<b>TRIPURA</b>	8,487	19,035	10,219	18,963	13,056	21,258
<b>MIZORAM</b>	1,757	16,601	2,133	16,646	2,782	17,866
<b>NAGALAND</b>	1,325	12,173	1,362	12,708	1,897	15,931
<b>ARUNACHAL PRADESH</b>	6,821	17,271	7,490	16,965	7,547	17,289
<b>MEGHALAYA</b>	2,456	16,953	3,122	17,131	3,746	18,518
<b>MANIPUR</b>	5,422	16,026	5,252	15,273	5,391	14,656
<b>ASSAM</b>	29,213	1,31,329	30,360	1,37,074	34,644	1,49,340
<b>SIKKIM</b>	Data is not available since TSPs furnishing Sikkim details along with West					

Source: TRAI

**Table 3 - Wireless connections in the North-East vis a vis All India**

North-East			
As on 31st March	Wireless		
	PSUs	Pvt.	Total
2010-11	2923516	15931772	18855288
2011-12	2881727	19844665	22726392
2012-13	2992760	20355446	23348206
2013-14	2802706	21886644	24689350
2014-15	2781845	24872596	27654441
2015-16	2973060	26662674	29635734
% Change in 2015-16 Over 2010-11	1.69%	67.36%	57.17%
All India			
2010-11	97310270	714285047	811595317
2011-12	104345386	814829149	919174535
2012-13	106205976	761599031	867805007
2013-14	98021781	806494512	904516293
2014-15	80376282	889159591	969535873
2015-16	90383478	943725185	1034108663
% Change in 2015-16 Over 2010-11	-7.12%	32.12%	27.42%

Source: DOT

**Table 4 - State-wise wireless connections for all North-Eastern States**

States	As on 31 <sup>st</sup> March, 2016		As on 31 <sup>st</sup> March, 2015		As on 31 <sup>st</sup> March, 2014	
	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN
ASSAM	11742614	6789750	10550794	6600097	9161807	6116401
MIZORAM	1071387		1036601		9411142	
NAGALAND	1720471		1661007			
ARUNACHAL PRADESH	957729		744425			
MEGHALAYA	1902567		1946587			
MANIPUR	2569768		2481740			
TRIPURA	2761750		2518988			
SIKKIM	585456		572062			

Source: TRAI

**Table 5 - Total (Wireline + Wireless) connections in the North-East vis a vis All India**

<b>North-East</b>			
<b>As on 31st March</b>	<b>Total (Wireless + wireline)</b>		
	<b>PSUs</b>	<b>Pvt.</b>	<b>Total</b>
<b>2010-11</b>	3448335	15934031	19382366
<b>2011-12</b>	3361085	19847534	23208619
<b>2012-13</b>	3376559	20355926	23732485
<b>2013-14</b>	3125487	21887784	25013271
<b>2014-15</b>	3074983	24874156	27949139
<b>2015-16</b>	3256009	26664594	29920603
<b>% Change in 2015-16 Over 2010-11</b>	-5.58%	67.34%	54.37%
<b>All India</b>			
<b>2010-11</b>	125999144	720326022	846325166
<b>2011-12</b>	130270847	821075159	951346006
<b>2012-13</b>	130112087	767906662	898018749
<b>2013-14</b>	120052003	812963135	933015138
<b>2014-15</b>	100340393	895789819	996130212
<b>2015-16</b>	108649936	950683295	1059333231
<b>% Change in 2015-16 Over 2010-11</b>	-13.77%	31.98%	25.17%
<b>Source: DOT</b>			

**Table 6 - Teledensity in North-Eastern States**

<b>North-East</b>			
<b>As on 31st March</b>	<b>Teledensity %</b>	<b>% Share of</b>	
		<b>PSUs</b>	<b>Pvt.</b>
<b>2010-11</b>	<b>44.26</b>	17.79%	82.21%
<b>2011-12</b>	<b>52.36</b>	14.48%	85.52%
<b>2012-13</b>	<b>52.92</b>	14.23%	85.77%
<b>2013-14</b>	<b>55.13</b>	12.50%	87.50%
<b>2014-15</b>	<b>60.88</b>	11.00%	89.00%
<b>2015-16</b>	<b>64.43</b>	10.88%	89.12%
<b>All India</b>			
<b>As on 31st March</b>	<b>Teledensity %</b>	<b>% Share of</b>	
		<b>PSUs</b>	<b>Pvt.</b>
<b>2010-11</b>	<b>70.89</b>	14.89%	85.11%
<b>2011-12</b>	<b>78.66</b>	13.69%	86.31%
<b>2012-13</b>	<b>73.32</b>	14.49%	85.51%
<b>2013-14</b>	<b>75.23</b>	12.87%	87.13%
<b>2014-15</b>	<b>79.36</b>	10.07%	89.93%
<b>2015-16</b>	<b>83.40</b>	10.26%	89.74%
<b>Source : DOT</b>			

**Table 7 - Broadband and Internet connection in North-East**

As on 31st March	Connections (million)	
	Broadband	Internet
2010-11	0.2	1.1
2011-12	0.6	2.4
2012-13	0.9	4.9
2013-14	1.27	7.11
2014-15	2.25	9.03
2015-16	4.43	10.82
<b>All India</b>		
2010-11	11.89	19.67
2011-12	13.81	22.86
2012-13	15.05	164.81
2013-14	60.87	251.59
2014-15	99.2	302.35
2015-16	149.75	342.66

Source: DOT, TRAI

**Table 8 - Statewise internet connections in North-East**

States	As on 31st March		As on 31st March		As on 31st March	
	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN
TRIPURA	433614	356724	400732	312844	682	16030
MIZORAM	237195	239212	243767	234942	647	37674
NAGALAND	377898	322778	290354	197673	509	8703
ARUNACHAL PRADESH	304737	491763	187498	197769	99211	2805721*
MEGHALAYA	220611	293619	291462	283250	657	36268
MANIPUR	391817	394006	503548	427938	644	8023
ASSAM	3212725	3540018	3248398	2226175	348439	3759047
SIKKIM	Data is not available since TSPs furnishing Sikkim details along with West					

\* : Some service providers (including BSNL) have not provided the separate figures of subscribers in North-Eastern States. Thus the same has been included in Arunachal subscribers base.)

Source: TRAI

**Table 9 - Operator wise Telephone connections and market share of Assam as on 31.07.2016**

Operator	Landline	Share in landline (%)	Mobile	Share in mobile (%)
BSNL	155938	98.8	1375070	7.11
Bharti Airtel	0	0	6130263	31.71
Aircel	0	0	5494490	28.42
Vodafone	1890	1.2	3802782	19.67
Reliance	0	0	1387226	7.17
Idea	0	0	1145245	5.92
	157828		19335076	

Source: DOT Compiled Data

**Table 10 - Operator wise Telephone connections and market share of North-East (excluding Assam) as on 31.07.2016**

Operator	Landline	Share in landline (%)	Mobile	Share in mobile (%)
BSNL	122753	99.88	1692793	14.74
Bharti Airtel	0	0	3952201	34.42
Aircel	0	0	3359472	29.26
Vodafone	150	0.12	1596240	13.9
Reliance	0	0	380801	3.32
Idea	0	0	501315	4.37
	122903		11482822	

Source: DOT Compiled Data

**Table 11 - Operator wise Telephone connections and market share of North-Eastern Region (North-East + Assam) as on 31.07.2016**

Operator	Landline	Share in landline (%)	Mobile	Share in mobile (%)
BSNL	278691	99.27	3067863	9.95
Bharti Airtel	0	0	10082464	32.72
Aircel	0	0	8853962	28.73
Vodafone	2040	0.73	5399022	17.52
Reliance	0	0	1768027	5.74
Idea	0	0	1646560	5.34
	280731		30817898	

Source: DOT Compiled Data

*$X$  – Export - Import*





**Table 1 - Indian Export -Import Composition**

**Export Composition**

<b>Year</b>	<b>Total Electronics* (In Million US\$)</b>	<b>TELECOM INSTRUMENTS (In Million US\$)</b>	<b>% Growth of Total Electronics</b>	<b>% Growth of TELECOM INSTRUMENTS</b>	<b>% Share of Telecom Instruments</b>
<b>2010-11</b>	<b>8214</b>	<b>3376</b>	<b>89.9</b>	<b>50.7</b>	<b>41.1</b>
<b>2011-12</b>	<b>8848</b>	<b>3986</b>	<b>7.7</b>	<b>18.1</b>	<b>45.0</b>
<b>2012-13</b>	<b>8053</b>	<b>3640</b>	<b>-9.0</b>	<b>-8.7</b>	<b>45.2</b>
<b>2013-14</b>	<b>7635</b>	<b>3057</b>	<b>-5.2</b>	<b>-16.0</b>	<b>40.0</b>
<b>2014-15</b>	<b>6009</b>	<b>1073</b>	<b>-21.3</b>	<b>-64.9</b>	<b>17.9</b>
<b>2015-16</b>	<b>5690</b>	<b>876</b>	<b>-5.3</b>	<b>-18.4</b>	<b>15.4</b>
<b>2016-17</b>	<b>5689</b>	<b>1044</b>	<b>0.0</b>	<b>19.2</b>	<b>18.4</b>

**Import Composition**

<b>Year</b>	<b>Total Electronics* (In Million US\$)</b>	<b>TELECOM INSTRUMENTS (In Million US\$)</b>	<b>% Growth of Total Electronics</b>	<b>% Growth of TELECOM INSTRUMENTS</b>	<b>% Share of Telecom Instruments</b>
<b>2010-11</b>	<b>11449</b>	<b>27950</b>	<b>33.6</b>	<b>25.8</b>	<b>41.0</b>
<b>2011-12</b>	<b>11165</b>	<b>34130</b>	<b>-2.5</b>	<b>22.1</b>	<b>32.7</b>
<b>2012-13</b>	<b>10129</b>	<b>32893</b>	<b>-9.3</b>	<b>-3.6</b>	<b>30.8</b>
<b>2013-14</b>	<b>11220</b>	<b>32384</b>	<b>10.8</b>	<b>-1.5</b>	<b>34.6</b>
<b>2014-15</b>	<b>14697</b>	<b>36857</b>	<b>31.0</b>	<b>13.8</b>	<b>39.9</b>
<b>2015-16</b>	<b>15403</b>	<b>40022</b>	<b>4.8</b>	<b>8.6</b>	<b>38.5</b>
<b>2016-17</b>	<b>16572</b>	<b>41930</b>	<b>7.6</b>	<b>4.8</b>	<b>39.5</b>

**\*Total Electronics includes: 1. Computer Hardware & Peripherals, 2. Consumer Electronics, 3. Electronics Components, 4. Electronics Instruments**

**Source - DGCI&S**



# *XI - Update (2017-18)*



**Table 1 - Summary of the telecom sector's performance**

<b>Parameter</b>	<b>April'17</b>	<b>May'17</b>	<b>June'17</b>	<b>July'17</b>	<b>August'17</b>	<b>September'17</b>
<b>Total Phones (million)</b>	<b>1199.25</b>	<b>1205.18</b>	<b>1211.22</b>	<b>1211.09</b>	<b>1209.96</b>	<b>1207.04</b>
Wireline (million)	24.30	24.16	24.00	23.92	23.75	23.67
Wireless (million)	1174.95	1181.02	1187.22	1187.17	1186.21	1183.37
Rural (million)	503.07	508.02	510.05	507.92	502.50	501.99
Urban(million)	696.18	697.16	701.17	703.17	707.46	705.05
Public (million)	122.77	123.79	124.80	125.03	125.56	126.00
Private(million)	1076.48	1081.39	1086.42	1086.06	1084.40	1081.04
Wireline %age to Total Phones	2.03	2.00	1.98	1.98	1.96	1.96
Wireless %age to Total Phones	97.97	98.00	98.02	98.02	98.04	98.04
Rural %age to Total Phones	41.95	42.15	42.11	41.94	41.53	41.59
Urban %age to Total Phones	58.05	57.85	57.89	58.06	58.47	58.41
Public %age to Total Phones	10.24	10.27	10.30	10.32	10.38	10.44
Private %age to Total Phones	89.76	89.73	89.70	89.68	89.62	89.56
<b>Overall Teledensity (%age)</b>	<b>93.25</b>	<b>93.63</b>	<b>94.01</b>	<b>93.91</b>	<b>93.74</b>	<b>93.42</b>
Wireline Teledensity (%age)	1.89	1.88	1.86	1.85	1.84	1.83
Wireless Teledensity (%age)	91.36	91.75	92.15	92.06	91.90	91.59
Rural Teledensity (%age)	57.09	57.61	57.80	57.52	56.87	56.78
Urban Teledensity (%age)	172.00	171.98	172.70	172.93	173.72	172.86
Public (%age)	9.55	9.62	9.69	9.69	9.73	9.75
Private (%age)	83.71	84.01	84.32	84.22	84.01	83.67
<b>Broadband (million)</b>	<b>284.23</b>	<b>291.61</b>	<b>300.84</b>	<b>310.87</b>	<b>316.48</b>	<b>324.89</b>

**Table 2 - Latest updated summary of the telecom service area-wise  
performance during 2017-18**

Service Area	March'17	April'17	May'17	June'17	July'17	August'17	September'17
ANDHRA PRADESH	86580485	87005489	87008505	87346044	86769174	86733089	86860894
ASSAM	21994249	22064486	22278684	22315211	22349285	22215240	22327406
BIHAR	84929755	85272222	86073761	86322506	85913305	85367612	84905366
GUJARAT	73198846	73477108	73293488	73621895	73074549	73996134	70368114
HARYANA	25392301	25387715	25743604	26000580	31826233	25581998	25798807
HIMACHAL PRADESH	10580608	10586867	10728972	10795877	12910312	10840067	10900886
JAMMU & KASHMIR	12041327	12144037	12329598	12478392	12406729	12632938	12686189
KARNATAKA	71385928	71303679	71492903	71892853	65850177	72901264	72757302
KERALA	41275132	41419026	41644405	41904128	46222239	42817708	43277390
MADHYA PRADESH	70603342	71201810	71318293	71963206	68517873	72483263	72516980
MAHARASHTRA	95780986	96322232	96260464	96941957	91504796	96227611	96419463
NORTH-EAST	12688408	12685840	12815222	12958489	19575697	13054511	13081094
ORISSA	34583799	34745877	34938212	35003724	40862561	34826151	34737232
PUNJAB	36972226	37313866	37638000	38054214	38182972	38078533	38280049
RAJASTHAN	68098694	68021109	68439680	68720143	62738771	67826388	67517468
TAMIL NADU	91803712	91956377	92292222	92738418	86991020	92814627	93289868
UTTAR PRADESH - [East]	105054437	105515829	106676693	106952560	104368610	106858253	106182160
UTTAR PRADESH - [West]	67072551	67034764	67751894	67946838	67477406	67253190	66923266
WEST BENGAL	58577948	58936349	59175638	59359888	64357447	58964910	59139410
KOLKATA	30175215	30221061	30259384	30324298	34377760	30491683	30581131
DELHI	56573699	56966951	57407166	57767250	56317495	57892316	57997477
MUMBAI	39624412	39671100	39611621	39809837	38496831	40100166	40495798
<b>TOTAL</b>	<b>1194988060</b>	<b>1199253794</b>	<b>1205178409</b>	<b>1211218308</b>	<b>1211091242</b>	<b>1209957652</b>	<b>1207043750</b>

1 Source: BSNL/MTNL/AUSPI/COAI

**Table 3 - Summary of the Internet Subscribers (Technology-wise) during 2017-18**

Trends of Internet Subscribers (in million)				
Total Internet Subscribers (Includes wired, fixed Wireless and Mobile Wireless)	March'16	June'16	March'17	June'17
	342.65	350.48	422.18	431.21
%age Quarterly Growth	3.31%	2.29%	7.84%	2.14%

Internet Subscriber Base in India - June'17 * (in million)			
Segment	Wired	Wireless	Total Subscribers
Broadband	18.33	282.51	300.84
Narrowband	3.33	127.04	130.37
Total	21.66	409.55	431.21
* As per the TRAI input			

Broadband Subscribers in India * (In million)			
At the end of	Wired	Wireless	Total Subscribers
March'17	18.24	258.27	276.51
April'17	18.25	265.98	284.23
May'17	18.23	273.38	291.61
June'17	18.33	282.51	300.84
July'17	18.14	292.73	310.87
August'17	18.11	298.37	316.48
September'17	18.04	306.85	324.89
* As per the TRAI input			

**Table 4 - Composition of ARPU per month and Share of Revenue - GSM service and CDMA Full Mobility Service**

S.No.	Item	Quarter ending March 2017			
		GSM Service	%age share	CDMA Service (Full Mobility)	%age share
1	Rental Revenue	19.13	20.91	19.85	15.13
2	Revenue from Call	39.60	43.28	27.90	21.26
3	Revenue from SMS	2.35	2.57	0.44	0.34
4	Revenue from data usage	19.23	21.02	74.99	57.14
5	Revenue from VAS	4.04	4.42	1.46	1.11
6	Other Revenue	2.81	3.07	5.29	4.03
7	Revenue from Outroamers (Outside HAS)	4.34	4.74	1.30	0.99
8	Total Revenue from subscribers	91.50	100.00	131.23	100.00

Source: TRAI



**Table 5 - MOU per subscriber per month - Technology-wise in Quarter Ending March 2017**

<b>MOU* per subscriber per month - GSM and LTE Services</b>									
<b>Circle Category</b>	<b>Postpaid</b>			<b>Prepaid</b>			<b>Blended</b>		
	<b>Outgoing</b>	<b>Incoming</b>	<b>Total</b>	<b>Outgoing</b>	<b>Incoming</b>	<b>Total</b>	<b>Outgoing</b>	<b>Incoming</b>	<b>Total</b>
<b>Circle A</b>	455	390	<b>845</b>	178	166	<b>344</b>	193	179	<b>372</b>
<b>Circle B</b>	467	369	<b>836</b>	173	216	<b>389</b>	181	220	<b>401</b>
<b>Circle C</b>	472	290	<b>762</b>	201	258	<b>459</b>	208	258	<b>466</b>
<b>Metro</b>	439	335	<b>774</b>	231	165	<b>396</b>	259	188	<b>447</b>
<b>All India</b>	<b>454</b>	<b>362</b>	<b>816</b>	<b>185</b>	<b>201</b>	<b>386</b>	<b>197</b>	<b>208</b>	<b>405</b>
<b>MOU* per subscriber per month - CDMA Full Mobility Services</b>									
<b>Circle Category</b>	<b>Postpaid</b>			<b>Prepaid</b>			<b>Blended</b>		
	<b>Outgoing</b>	<b>Incoming</b>	<b>Total</b>	<b>Outgoing</b>	<b>Incoming</b>	<b>Total</b>	<b>Outgoing</b>	<b>Incoming</b>	<b>Total</b>
<b>Circle A</b>	75	49	<b>124</b>	88	118	<b>206</b>	86	108	<b>194</b>
<b>Circle B</b>	149	79	<b>228</b>	125	161	<b>286</b>	129	157	<b>286</b>
<b>Circle C</b>	182	105	<b>287</b>	104	181	<b>285</b>	114	171	<b>285</b>
<b>Metro</b>	129	101	<b>230</b>	115	150	<b>265</b>	118	139	<b>257</b>
<b>All India</b>	<b>118</b>	<b>81</b>	<b>199</b>	<b>111</b>	<b>146</b>	<b>257</b>	<b>112</b>	<b>137</b>	<b>249</b>

*\* MOU indicates total usage i.e. usage from and outside HAS*



## **ANNEXURE**

### **SERVICE AREA (TELECOM CIRCLES/ METROS) AND THE AREAS COVERED BY THEM FOR THE PURPOSE OF THIS LICENSE**

<b>Sl. No.</b>	<b>Name of Service Area</b>	<b>Areas covered</b>
01.	West Bengal Service Area	Entire area falling within the Union Territory of Andaman & Nicobar Islands and area falling within the State of West Bengal and the State of Sikkim excluding the areas covered by Kolkata Metro Service Area.
02.	Andhra Pradesh Service Area	Entire area falling within the State of Andhra Pradesh.
03.	Assam Service Area	Entire area falling within the State of Assam.
04.	Bihar Service Area	Entire area falling within the re-organised State of Bihar and newly created State of Jharkhand pursuant to the Bihar Reorganisation Act, 2000 (No.30 of 2000) dated 25 <sup>th</sup> August, 2000.
05.	Gujarat Service Area	Entire area falling within the State of Gujarat and Union Territory of Daman and Diu, Silvassa (Dadra & Nagar Haveli).
06.	Haryana Service Area	Entire area falling within the State of Haryana except Panchkula town and the local areas served by Faridabad and Gurgaon Telephone exchanges.
07.	Himachal Pradesh Service Area	Entire area falling within the State of Himachal Pradesh
08.	Jammu & Kashmir Service Area	Entire area falling within the State of Jammu & Kashmir including the autonomous council of Ladakh.
09.	Karnataka Service Area	Entire area falling within the State of Karnataka
10.	Kerala Service Area	Entire area falling within the State of Kerala and Union Territory of Lakshadweep and Minicoy.
11.	Madhya Pradesh Service Area	Entire area falling within the re-organised State of Madhya Pradesh as well as the newly created State of Chattisgarh pursuant to the Madhya Pradesh Reorganisation Act, 2000 (No:28 of 2000) dated 25 <sup>th</sup> August, 2000.
12.	Maharashtra Service Area	Entire area falling within the State of Maharashtra and Union Territory of Goa, excluding areas covered by Mumbai Metro Service Area.
13.	North East Service Area	Entire area falling within the States of Arunachal Pradesh, Meghalaya, Mizoram, Nagaland, Manipur and Tripura.
14.	Orissa Service Area	Entire area falling within the State of Orissa.
15.	Punjab Service Area	Entire area falling within the State of Punjab and Union territory of Chandigarh and Panchkula town of Haryana.
16.	Rajasthan Service Area	Entire area falling within the State of Rajasthan.

17*	Tamilnadu Service Area (including Chennai Service Area)	Entire area falling within the State of Tamilnadu and Union Territory of Pondichery.
17 A*	Tamilnadu Service Area (excluding Chennai Service Area)	Entire area falling within the State of Tamilnadu and Union Territory of Pondichery excluding Local Areas served by Chennai Telephones, Maraimalai Nagar Export Promotion Zone (MPEZ), Minzur and Mahabalipuram Exchanges
17 B*	Chennai Service Area	Local Areas served by Chennai Telephones, Maraimalai Nagar Export Promotion Zone (MPEZ), Minzur and Mahabalipuram Exchanges
18.	Uttar Pradesh (West) Service Area	Entire area covered by Western Uttar Pradesh with the following as its boundary districts towards Eastern Uttar Pradesh :Pilibhit, Bareilly, Badaun, Kasganj (Kanshiram Nagar), Etah, Mainpuri, Etawah and Auraiya. It will exclude the local telephone area of Ghaziabad and Noida. However, it will also include the newly created State of Uttaranchal pursuant to the Uttar Pradesh Re-organisation Act, 2000 (No.29 of 2000) dated 25 <sup>th</sup> August, 2000.
19.	Uttar Pradesh (East) Service Area	Entire area covered by Eastern Uttar Pradesh with the following as its boundary districts towards Western Uttar Pradesh :Shahjahanpur, Kannauj, Farrukhabad, Lakhimpur, Kanpur Rural and Jalaun(Orai).
20.	Delhi Service Area	Local Areas served by Delhi, Ghaziabad, Faridabad, Noida, and Gurgaon Telephone Exchanges
21.	Kolkata Service Area	Local Areas served by Calcutta Telephones.
22.	Mumbai Service Area	Local Areas served by Mumbai, New Mumbai and Kalyan Telephone Exchanges

**NOTE:**

1. Yenum, an area of Union Territory of Pondicherry is served under Andhra Pradesh Telecom Circle in East Godavari LDCA.
2. The definition of Local areas of exchanges will be as applicable to the existing cellular operators, i.e. at the time of grant of cellular Licenses in Metro cities.
3. The definition of local areas with regard to the above service area as applicable to this License is as per definition applicable to Cellular Mobile Service Licenses as in the year 1994 & 1995, when those Licenses were granted to them. This is in accordance with respective Gazette Notification for such local areas wherever issued and as per the statutory definition under Rule 2 (w) Indian Telegraph Rules, 1951, as it stood during the year 1994/1995 where no specific Gazette Notification has been issued.

\* Erstwhile Chennai Service Area & Tamilnadu (excluding Chennai) Service Area as defined in UAS License, have been merged to make a single Service area namely Tamilnadu Service Area. For Unified License, there will be Tamilnadu Service Area as defined at SI No. 17 in the above List of Service Areas.

जारीकर्ता: सांख्यिकी अनुभाग, दूरसंचार विभाग  
प्रतिक्रिया एवं सुझाव के लिए संपर्क करें: फोन: +९१ ११ २३२३ २३०९, ईमेल: [navalk.dubey@nic.in](mailto:navalk.dubey@nic.in)  
Issued by: STT- Section, Department of Telecommunication  
For feedback and suggestion please contact: Ph: +91 11 2323 2309, email: [navalk.dubey@nic.in](mailto:navalk.dubey@nic.in)