

# **Telecom Statistics India-2018**



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. This is the third publication of TSI being brought out.

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 Arvind Pandey, Director, Shri Basant Kumar, Joint Director, Shri Damodar Bawari, Dy. Director, Shri Harinder Sethi, PS to Economic Adviser, Ms. Anita Sehgal, PS to Director, Ms. Ritu Chauhan, AD, Ms. Simmi Goyal, SSA who compiled the relevant data.

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Suggestions and advice for further improvements are always welcome and may kindly be sent to 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	At the end of March				
		2014	2015	2016	2017	2018
1	<b>Telephones and teledensity in the country</b>					
	i)Telephones (In Million)	<b>933.02</b>	<b>996.13</b>	<b>1059.33</b>	<b>1194.99</b>	<b>1211.80</b>
	ii)Teledensity (Per 100 Inhabitants)	<b>75.23</b>	<b>79.36</b>	<b>83.40</b>	<b>93.01</b>	<b>93.27</b>
2	<b>No. of Subscribers ( in Millions)</b>					
	i)Landline	28.50	26.59	25.22	24.40	22.81
	ii)Mobile subscribers	904.52	969.54	1034.11	1170.59	1188.99
3	<b>Telephone Subscribers in India ( in Millions)</b>	<b>933.02</b>	<b>996.13</b>	<b>1059.33</b>	<b>1194.99</b>	<b>1211.80</b>
	i)Rural	377.78	416.08	447.77	501.81	525.87
	ii)Urban	555.23	580.05	611.56	693.18	685.93
	iii)Public	120.05	100.34	108.65	122.18	131.66
	iv)Private	812.96	895.79	950.68	1072.81	1080.14
4	<b>Telephone Subscribers in India (%age share)</b>					
	Wireline	3.05	2.67	2.38	2.04	1.88
	Wireless	96.95	97.33	97.62	97.96	98.12
	Rural	40.49	41.77	42.27	41.99	43.40
	Urban	59.51	58.23	57.73	58.01	56.60
	Public	12.87	10.07	10.26	10.22	10.86
	Private	87.13	89.93	89.74	89.78	89.14
5	<b>Teledensity (Per 100 Inhabitants)</b>	<b>75.23</b>	<b>79.36</b>	<b>83.40</b>	<b>93.01</b>	<b>93.27</b>
	Wireline	2.30	2.12	1.99	1.90	1.76
	Wireless	72.94	77.24	81.41	91.11	91.51
	Rural	44.01	48.04	51.26	56.98	59.25
	Urban	145.46	149.04	154.18	171.52	166.64
	Public	9.68	7.99	8.55	9.51	10.13
	Private	65.55	71.36	74.85	83.50	83.14
6	<b>No. of PCOs and VPTs in India (In lakhs)</b>					
	PCO	9.57	7.37	5.89	4.52	3.60
	VPT	5.89	5.86	5.87	2.30	1.99

## Telecommunications at a Glance (Contd.)

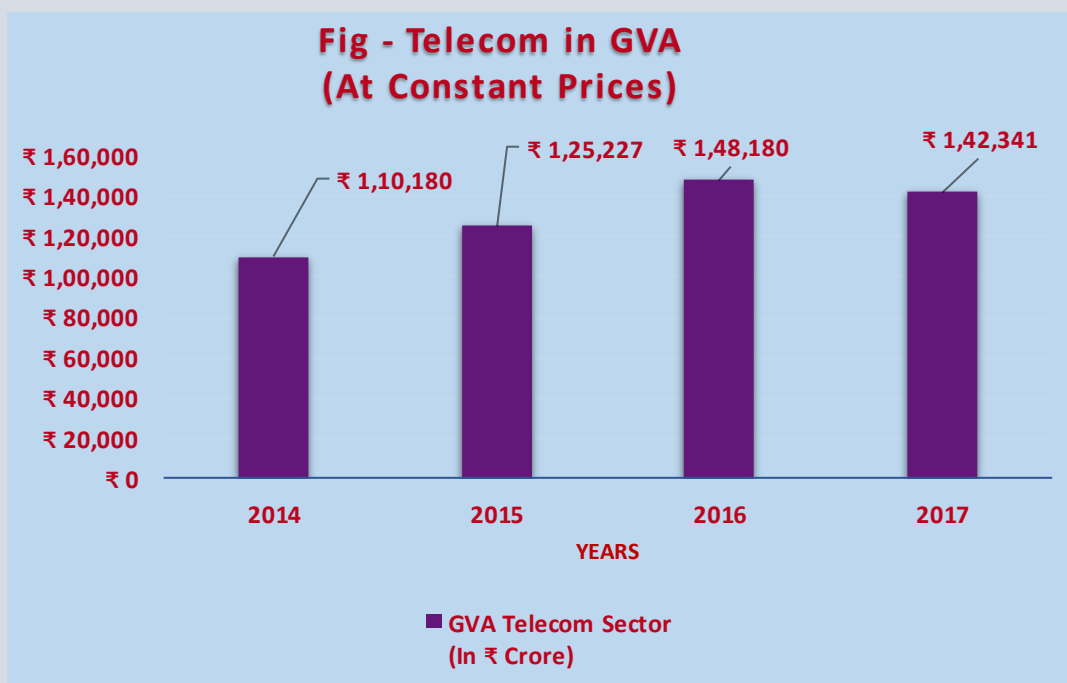
S.No.	Title	At the end of March				
		2014	2015	2016	2017	2018
7	<b>NO. of Mobile connections(MTNL)</b>					
	<b>Ported-in</b>	<b>16166</b>	<b>25784</b>	<b>24627</b>	<b>17730</b>	<b>8702</b>
	Delhi	9286	9552	11509	8067	2185
	Mumbai	6880	16232	13118	9663	6517
	<b>Ported-out</b>	<b>76973</b>	<b>75464</b>	<b>79007</b>	<b>97091</b>	<b>181160</b>
	Delhi	43721	39387	39868	59402	119059
	Mumbai	33252	36077	39139	37689	62101
8	<b>NO. of Mobile connections(BSNL)</b>					
	Ported-in	920343	1383043	2951000	3318327	1480813
	Ported-out	1505343	1762282	1835383	3290360	889936
9	<b>Internet Subscribers in India (Millions)</b>	<b>251.59</b>	<b>302.36</b>	<b>342.65</b>	<b>422.20</b>	<b>493.96</b>
	Narrowband	190.72	203.15	192.90	145.68	81.35
	Broadband	60.87	99.20	149.75	276.52	412.60
	Wired	18.50	19.07	20.44	21.58	21.24
	Wireless	233.09	283.29	322.21	400.62	472.72
	Urban	-	194.80	230.71	285.68	348.13
	Rural	-	107.56	111.94	136.52	145.83
10	<b>Internet Subscribers in India (Per 100 Inhabitants)</b>	<b>20.29</b>	<b>24.09</b>	<b>26.98</b>	<b>32.86</b>	<b>38.02</b>
	Urban	-	49.07	58.28	70.83	84.74
	Rural	-	12.89	12.80	15.49	16.41
11	<b>Revenue from Telecom Services (₹ crore)</b>					
	Telecom Sector*					
	Gross Revenue	60,716.21	65,226.73	68,335.39	63,315.18	62,198.26
	Adjusted Gross Revenue	41,016.13	45,157.78	48,379.00	40,831.33	35,697.24
	Access Services*-Adjusted Gross Revenue	31,922.39	35,938.26	39,885.55	31,594.91	25,448.09
	Access Services*-ARPU per month	115.28	121.81	126.91	89.34	71.62
	Licence Fee@	12,955.00	12,358.00	15,771.00	15,615.00	-
	Spectrum Charges@	6,883.67	17841.93**	-	-	-
	Auction Revenue@	18,267.18	-	-	-	-
12	<b>Telecom Usage Parameters</b>					
	Traffic(MOU) minutes of use/subscriber/month					
	GSM	389	383	381	405	584
	CDMA	272	265	260	250	60
	<b>APRU (₹/Subscriber/month)</b>					
	GSM	₹ 113.44	₹ 120.68	₹ 124.85	₹ 82.68	₹ 76.04
	CDMA	₹ 104.98	₹ 108.21	₹ 103.54	₹ 131.34	₹ 79.32
	<b>Data Usage per subscriber per month</b>					
	GSM	53.94	89.06	133.87	1006.00	2447.00
	CDMA	176.24	278.22	433.64	473.00	173.00
	Minutes of usages for internet	251.00	245.00	277.00	258.00	258.00

## Telecommunications at a Glance (Contd.)

S.No.	Title	At the end of March				
		2014	2015	2016	2017	2018
13	<b>FDI EQUITY INFLOWS (US\$ in million)</b>	24,299	30,931	40,001	43,478	44,857
	Telecommunication Sector	1,307	2,895	1,324	5,564	6,212
	Share of Telecommunication Sector	5.38%	9.36%	3.31%	12.80%	13.85%
14	<b>GVA (in Crore) (At constant price) (As per NAS)</b>	₹ 90,63,649	₹ 97,12,133	₹ 105,03,348	₹ 112,47,629	
	GVA Telecom Sector	₹ 1,10,180	₹ 1,25,227	₹ 1,48,180	₹ 1,42,341	
	Share of Telecom Sector	1.22	1.29	1.41	1.27	
15	Number of Mobile Towers as on 31.03.2017				412387	
16	No. of Base Transceiver Stations (BTS) (as on 15-Aug-2017)				1275634	1833842
	<b>Operator-wise performance</b>					
17	Telecom Subscribers in India (Millions)	933.02	996.13	1059.33	1194.99	1211.80
	PSU	120.05	100.34	108.65	122.18	131.66
	BSNL	113.14	93.24	101.58	115.09	124.75
	MTNL	6.91	7.10	7.06	7.09	6.90
	Private	812.96	895.79	950.68	1072.81	1080.14
19	Operator-wise subscriber percent Share in Total (All Operators) (2008- 2016)					
	PSU	12.87	10.07	10.26	10.22	10.86
	BSNL	12.13	9.36	9.59	9.63	10.29
	MTNL	0.74	0.71	0.67	0.59	0.57
	Private	87.13	89.93	89.74	89.78	89.14

**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	₹ 97,12,133	₹ 1,25,227	1.29
2016	₹ 105,03,348	₹ 1,48,180	1.41
2017	₹ 112,47,629	₹ 1,42,341	1.27



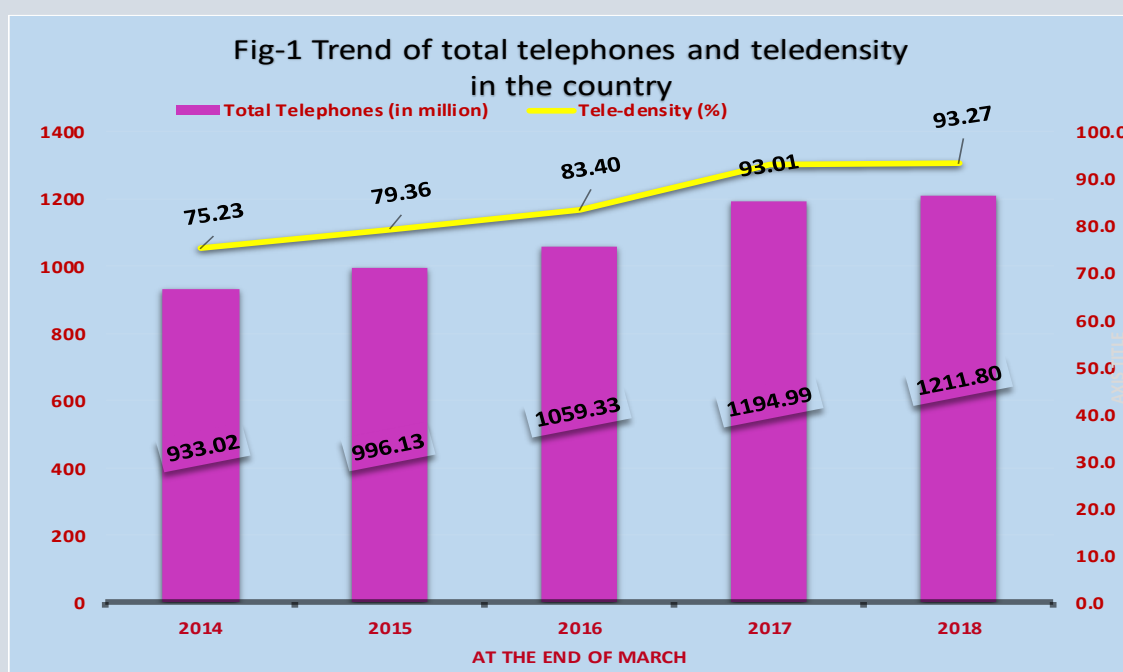
# *1 – Telecom Subscriber Statistics*



**Table 1 - Trend of total telephones and teledensity in the country (2001 to 2018 )**

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
2018	1211.80	93.27

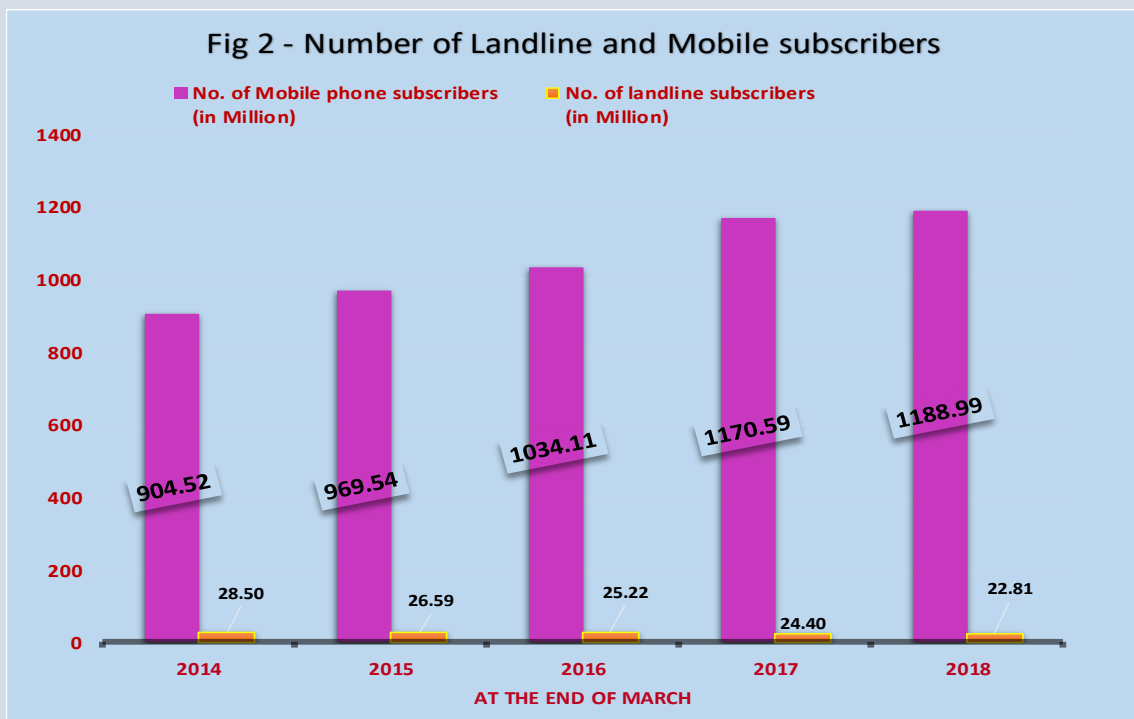
Source - DOT (Compiled Data)



**Table 2 - Number of landline and mobile subscribers  
(2001 to 2018 )**

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
2018	1188.99	22.81

Source - DOT (Compiled Data)





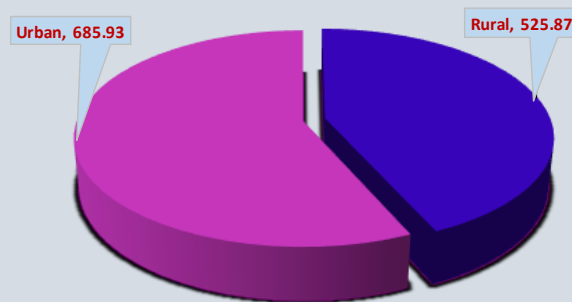
**Table 3 - Rural, Urban, Public and Private Telephone Subscribers in India (Millions) (2006-2018)**

At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2006	142.09	40.22	101.87	NA	NA	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
2018	1211.80	22.81	1188.99	525.87	685.93	131.66	1080.14

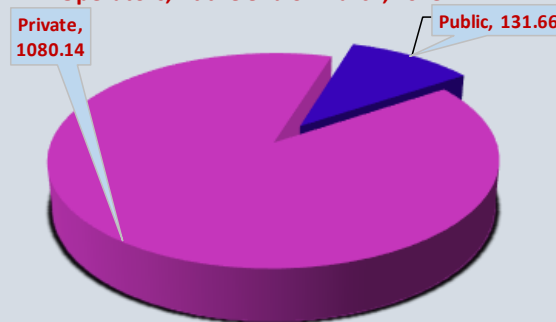
Note : NA - Not Available

Source- DOT (Compiled Data)

**Fig 3A - Composition of subscribers - Rural & Urban, At the end of March, 2018**



**Fig 3B - Composition of subscribers - Public & Private Operators, At the end of March, 2018**



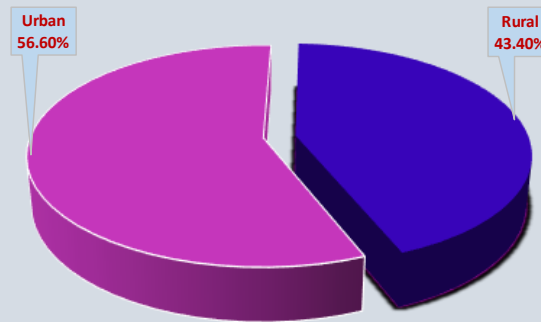
**Table 4 - Telephone Subscribers in India  
(Percent Share) (2006-2018)**

At the end of March	Wireline	Wireless	Rural	Urban	Public	Private
2006	28.31	71.69	NA	NA	42.99	57.01
2007	19.81	80.19	22.88	77.12	34.68	65.32
2008	13.12	86.88	25.46	74.54	26.47	73.53
2009	8.83	91.17	28.74	71.26	20.84	79.16
2010	5.95	94.05	32.32	67.68	17.04	82.96
2011	4.10	95.90	33.35	66.65	14.89	85.11
2012	3.38	96.62	34.77	65.23	13.69	86.31
2013	3.36	96.64	38.89	61.11	14.49	85.51
2014	3.05	96.95	40.49	59.51	12.87	87.13
2015	2.67	97.33	41.77	58.23	10.07	89.93
2016	2.38	97.62	42.27	57.73	10.26	89.74
2017	2.04	97.96	41.99	58.01	10.22	89.78
2018	1.88	98.12	43.40	56.60	10.86	89.14

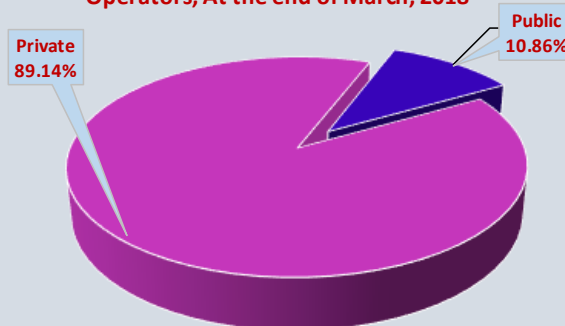
Note : NA - Not Available

Source- DOT (Compiled Data)

**Fig 4A - Composition of subscribers - Rural & Urban,  
At the end of March, 2018**



**Fig 4B - Composition of subscribers - Public & Private  
Operators, At the end of March, 2018**



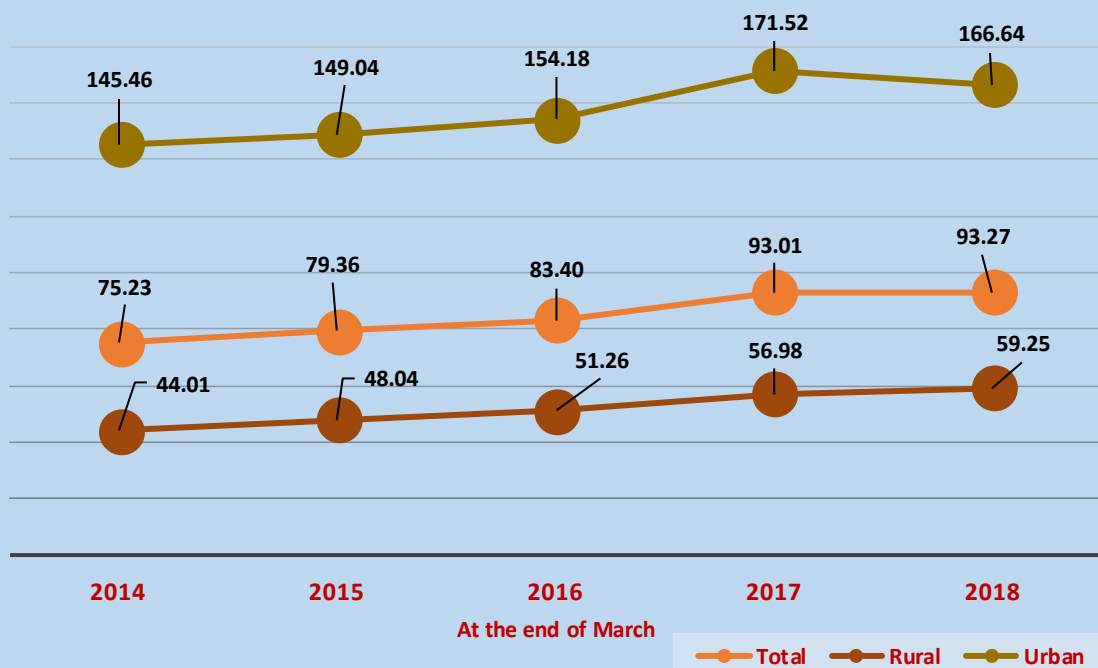
**Table 5 - Teledensity (Per 100 Inhabitants) (2006-2018)**

At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2006	12.74	NA	NA	NA	NA	NA	NA
2007	18.22	NA	NA	5.89	48.10	NA	NA
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
2018	93.27	1.76	91.51	59.25	166.64	10.13	83.14

Note : NA - Not Available

Source- DOT Compiled Data

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

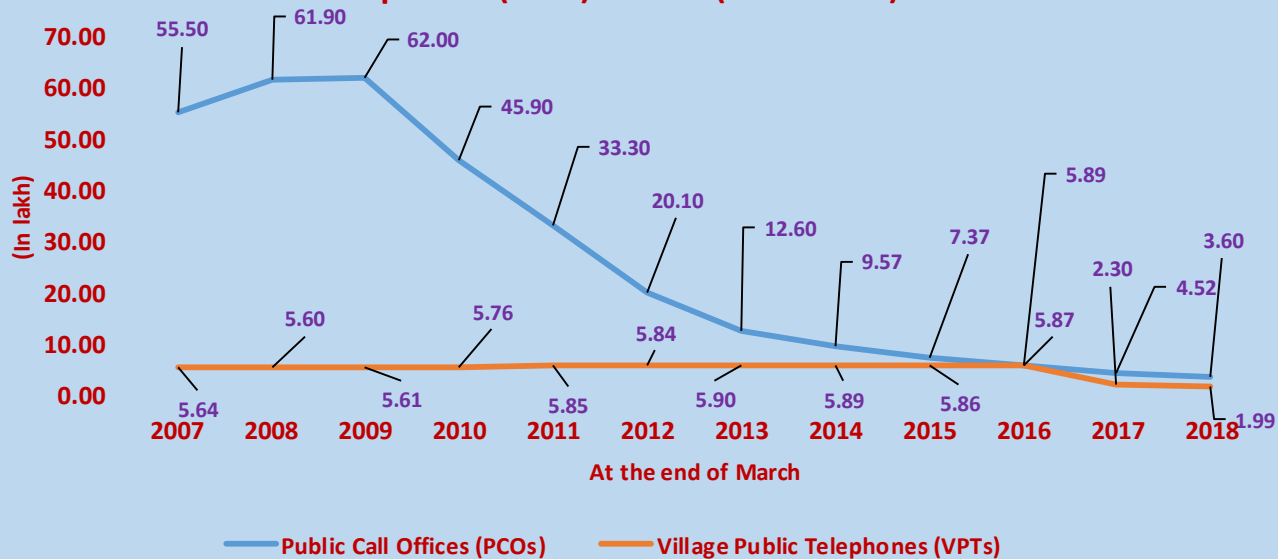


**Table 6 - Number of Public Call Offices (PCOs) and Village Public Telephones (VPTs) in India (Lakh) (2000-2018)**

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
2018	3.60	1.99

Source - Telecom Regulatory Authority of India (TRAI)

**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>2017-18</b>	2185	6517	<b>8702</b>	119059	62101	<b>181160</b>	54.49	9.53	<b>20.82</b>
<b>Total</b>	<b>75365</b>	<b>67747</b>	<b>143112</b>	<b>404725</b>	<b>295717</b>	<b>700442</b>	<b>5.37</b>	<b>4.37</b>	<b>4.89</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</b>	3318327	3290360	<b>0.99</b>
<b>2018 (Jan.-Mar.18)</b>	1480813	889936	<b>0.60</b>
<b>Total</b>	<b>12930139</b>	<b>13336503</b>	<b>1.03</b>

Source- Bharat Sanchar Nigam Limited

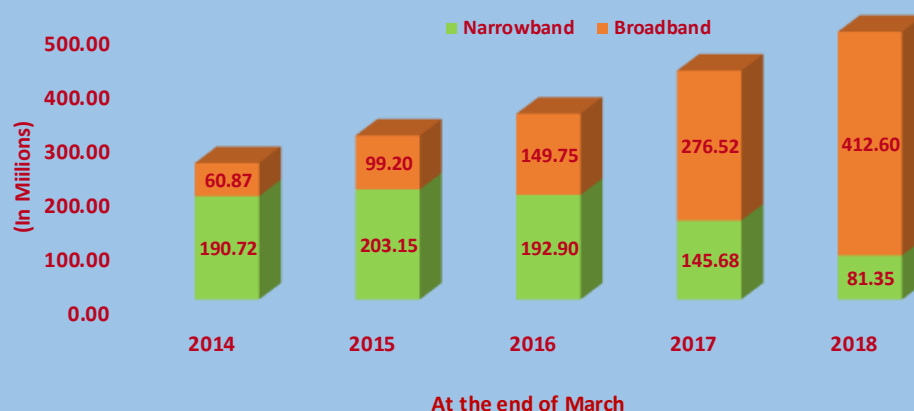
**Table 9 - Internet Subscribers in India (Millions) (2007-2018)**

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	194.80	107.56
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
2018	493.96	81.35	412.60	21.24	472.72	348.13	145.83

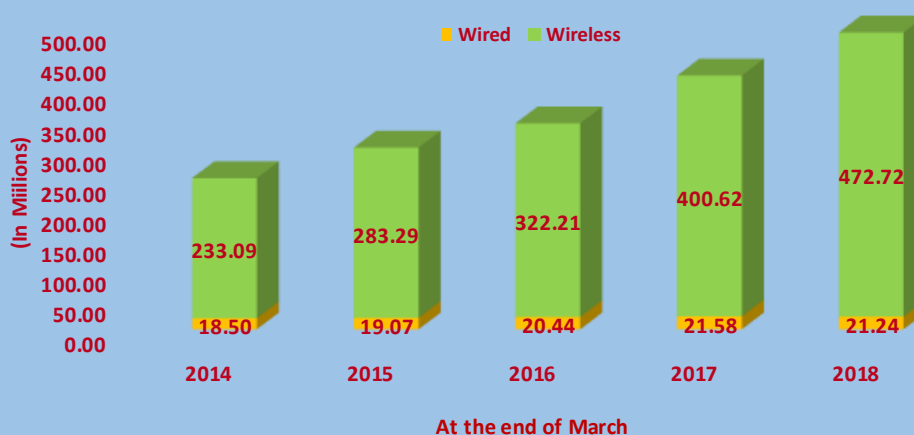
Note: - Not Available

Source - TRAI

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



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



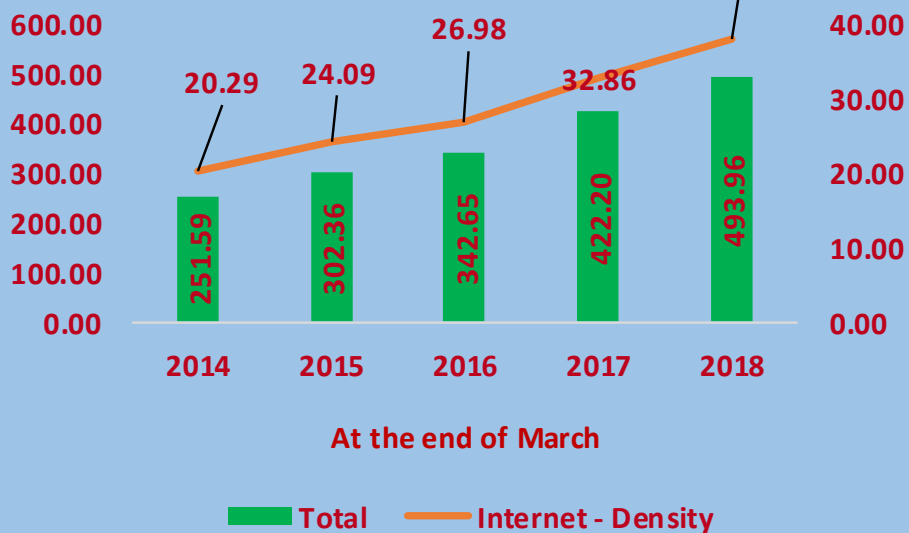
**Table 10 - Internet Subscribers in India  
(Per 100 Inhabitants)**

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
2018	38.02	84.74	16.41

Note: - Not Available

Source - TRAI

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



**Table 11 - Total Internet Connections - Rural & Urban (Millions) (2014-2018)**

At the end of March	Rural	Urban	Total
2014	-	-	251.58
2015	107.56	194.77	302.33
2016	111.95	230.71	342.66
2017	136.52	285.68	422.19
2018	145.83	348.13	493.96

Source: TRAI

**Table 11A - Total Wireless Internet Connections - Rural & Urban (Millions) (2014-2018)**

At the end of March	Rural	Urban	Total
2014	-	-	233.09
2015	105.75	177.53	283.28
2016	110.08	212.13	322.21
2017	134.57	266.04	400.62
2018	143.89	328.83	472.71

Source: TRAI

**Table 11B - Total Broadband Connections - Rural & Urban (Millions) (2014-2018)**

At the end of March	Rural	Urban	Total
2014	-	-	60.87
2015	21.32	77.87	99.19
2016	33.29	116.46	149.75
2017	71.06	205.45	276.52
2018	106.52	306.07	412.59

Source: TRAI

**Table 11C - Total Wireless Broadband Connections - Rural & Urban (Millions) (2014-2018)**

At the end of March	Rural	Urban	Total
2014	-	-	46.02
2015	20.06	63.62	83.68
2016	31.98	100.79	132.77
2017	69.68	188.59	258.27
2018	105.14	289.51	394.65

Source: TRAI



**Table 12: Service area wise internet subscriptions (Millions)**

Service area	2018			2017			2016			2015			2014
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Total
Andhra Pradesh	12.83	24.78	37.61	12.1	19.71	31.8	9.13	15.74	24.87	8.14	13.96	22.1	17.63
Assam	5.04	4.77	9.81	4.25	3.82	8.07	3.22	3.54	6.76	3.25	2.23	5.48	4.11
Bihar	13.51	14.9	28.4	11.91	12.19	24.1	8.87	10.76	19.63	7.94	8.64	16.58	11.85
Delhi	0.72	30.42	31.14	0.69	26.1	26.79	0.94	19.65	20.59	1.02	17.47	18.49	15.73
Gujarat	8.26	23.16	31.43	8.26	19.04	27.3	6.05	15.05	21.1	6.46	12.99	19.45	19.15
Haryana	3.8	5.25	9.05	3.65	5.99	9.63	2.97	4.59	7.56	3.15	3.98	7.13	5.4
Himachal Pradesh	2.04	4.9	6.94	2.1	1.66	3.76	1.75	1.27	3.02	1.63	0.95	2.58	2.05
Jammu & Kashmir	1.92	3.89	5.81	1.87	2.64	4.51	1.85	1.8	3.65	1.81	1.57	3.38	2.77
Karnataka	6.69	25.45	32.14	6.37	20.5	26.87	5.54	17.09	22.63	5.31	14.74	20.05	15.49
Kerala	7.49	12.31	19.8	6.72	9.83	16.55	5.58	9.02	14.6	5.93	7.04	12.97	10.89
Kolkata	1	12.35	13.35	0.76	10.9	11.66	0.55	8.71	9.26	0.44	7.57	8.01	6.41
Madhya Pradesh	6.94	18.94	25.88	7.7	17.07	24.77	6.25	14.16	20.41	5.7	10.86	16.56	15.58
Maharashtra	12.79	26.66	39.45	11.75	24.2	35.94	9.75	19.72	29.47	9.19	16.39	25.58	25.6
Mumbai	0.75	21.72	22.48	0.5	19.06	19.57	0.28	15.37	15.65	0.25	14.25	14.5	14.62
North East	2.38	3.56	5.94	2.22	2.53	4.75	1.97	2.09	4.06	1.91	1.64	3.55	3
Orissa	5.67	6.54	12.2	4.93	5.58	10.51	3.36	4.93	8.29	3.52	3.77	7.29	5.1
Punjab	4.58	14.05	18.63	4.67	11.97	16.65	4.71	8.75	13.46	4.83	8.09	12.92	10.12
Rajasthan	9.47	16.99	26.46	8.71	12.84	21.55	7	10.24	17.24	7.3	8.45	15.75	12.52
Tamil Nadu	9.31	30.26	39.57	8.08	24.24	32.32	6.85	21.16	28.01	6.5	17.63	24.13	20.42
UP (East)	14.46	20.29	34.75	13.41	15.18	28.58	11.22	11.25	22.47	10.65	9.72	20.37	14.14
UP (West)	7.03	16.75	23.79	7.1	12.83	19.93	6.48	10.06	16.54	5.67	8.41	14.08	10.19
West Bengal	9.14	10.17	19.31	8.8	7.78	16.58	7.64	5.74	13.38	6.9	4.39	11.29	8.82
<b>Total</b>	<b>145.82</b>	<b>348.12</b>	<b>493.95</b>	<b>136.52</b>	<b>285.68</b>	<b>422.19</b>	<b>111.95</b>	<b>230.71</b>	<b>342.66</b>	<b>107.56</b>	<b>194.77</b>	<b>302.33</b>	<b>251.58</b>

Source: TRAI

**Table 12A: Service area wise broadband subscriptions (Millions)**

Service area	2018			2017			2016			2015			2014
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Total
Andhra Pradesh	10.28	21.78	32.06	7.44	13.63	21.07	3.44	7.74	11.18	2.08	5.45	7.53	4.79
Assam	3.12	4.14	7.26	1.87	2.97	4.84	0.85	1.98	2.83	0.52	0.76	1.28	0.62
Bihar	8.36	12.16	20.52	4.37	7.66	12.03	1.95	3.87	5.82	1.2	1.95	3.15	2.1
Delhi	0.48	26.87	27.35	0.4	20.4	20.8	0.45	11.52	11.97	0.4	8.69	9.09	6.43
Gujarat	6.91	21.14	28.05	4.8	13.66	18.46	1.95	7.82	9.77	1.38	5.5	6.88	4.14
Haryana	3.25	4.75	8	2.37	4.5	6.87	0.89	2.32	3.21	0.57	1.68	2.25	1.04
Himachal Pradesh	1.62	4.64	6.26	1.28	1.08	2.36	0.73	0.46	1.19	0.45	0.29	0.74	0.42
Jammu & Kashmir	1.13	3.41	4.55	0.91	1.87	2.78	0.68	0.69	1.37	0.36	0.5	0.86	0.53
Karnataka	4.9	22.99	27.89	3.63	15.95	19.59	1.92	10.26	12.18	1.39	6.97	8.36	4.87
Kerala	6.6	11.15	17.75	4.99	7.61	12.61	2.88	5.26	8.14	2.31	3.56	5.87	3.55
Kolkata	0.87	10.54	11.41	0.6	7.66	8.26	0.3	4.1	4.4	0.21	2.67	2.88	1.86
Madhya Pradesh	4.57	16.46	21.03	2.99	12.04	15.04	1.06	6.77	7.83	0.43	4.16	4.59	2.65
Maharashtra	10.62	24.07	34.69	6.68	16.68	23.36	3.17	10.64	13.81	1.86	7.44	9.3	5.28
Mumbai	0.63	19.07	19.7	0.36	14.52	14.88	0.12	8.77	8.89	0.1	7.07	7.17	5.19
North East	1.53	3.03	4.56	1.13	1.79	2.91	0.62	0.98	1.6	0.39	0.58	0.97	0.65
Orissa	3.73	5.4	9.14	2.07	3.94	6.01	0.65	2.25	2.9	0.41	1.09	1.5	1.2
Punjab	3.54	12.85	16.39	2.64	9.12	11.76	1.12	4.06	5.18	0.62	2.78	3.4	1.55
Rajasthan	6.61	14.46	21.07	4.25	8.48	12.72	1.85	3.87	5.72	1.42	2.63	4.05	2.28
Tamil Nadu	7.37	26.05	33.41	5.42	17.35	22.77	3.32	11.56	14.88	2.26	7.56	9.82	6.51
UP (East)	9.03	17.18	26.21	5.54	9.55	15.08	1.81	3.99	5.8	0.96	2.29	3.25	1.77
UP (West)	4.71	14.86	19.57	2.7	8.71	11.41	1.32	4.02	5.34	0.7	2.76	3.46	1.89
West Bengal	6.65	9.07	15.72	4.63	6.28	10.9	2.21	3.51	5.72	1.23	1.48	2.71	1.53
<b>Total</b>	<b>106.52</b>	<b>306.07</b>	<b>412.59</b>	<b>71.06</b>	<b>205.45</b>	<b>276.52</b>	<b>33.29</b>	<b>116.46</b>	<b>149.75</b>	<b>21.32</b>	<b>77.87</b>	<b>99.19</b>	<b>60.87</b>

Source: TRAI

**Table 12B : Service area wise wireless internet subscriptions (Millions)**

Service area	2018			2017			2016			2015			2014
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Total
Andhra Pradesh	12.67	22.60	35.26	11.93	17.56	29.49	8.95	13.77	22.72	7.93	12.13	20.06	15.79
Assam	5.03	4.68	9.71	4.24	3.72	7.96	3.21	3.44	6.65	3.24	2.13	5.37	4.00
Bihar	13.49	14.64	28.13	11.89	11.92	23.81	8.85	10.49	19.34	7.92	8.38	16.30	11.57
Delhi	0.72	28.67	29.38	0.69	24.41	25.10	0.94	18.21	19.15	1.02	16.26	17.28	14.60
Gujarat	8.06	21.87	29.93	8.05	17.75	25.80	5.87	13.88	19.75	6.35	11.97	18.32	17.99
Haryana	3.75	4.83	8.58	3.59	5.58	9.17	2.92	4.19	7.11	3.10	3.60	6.70	4.97
Himachal Pradesh	2.02	4.80	6.82	2.08	1.56	3.64	1.74	1.18	2.92	1.62	0.86	2.48	1.94
Jammu & Kashmir	1.90	3.79	5.69	1.86	2.54	4.39	1.83	1.70	3.53	1.79	1.47	3.26	2.67
Karnataka	6.59	23.57	30.16	6.26	18.64	24.90	5.43	15.35	20.78	5.20	13.16	18.36	13.84
Kerala	6.92	11.16	18.08	6.13	8.69	14.83	5.01	7.92	12.93	5.39	5.98	11.37	9.31
Kolkata	1.00	11.40	12.40	0.76	9.93	10.69	0.55	7.83	8.38	0.44	6.74	7.18	5.55
Madhya Pradesh	6.90	17.98	24.89	7.65	16.07	23.73	6.21	13.21	19.42	5.66	9.96	15.62	14.67
Maharashtra	12.60	25.07	37.67	11.60	22.53	34.12	9.61	18.14	27.75	9.05	14.91	23.96	24.02
Mumbai	0.72	20.54	21.27	0.50	17.74	18.24	0.28	13.98	14.26	0.25	12.97	13.22	13.40
North East	2.36	3.45	5.80	2.20	2.41	4.61	1.95	1.98	3.93	1.89	1.53	3.42	2.88
Orissa	5.63	6.25	11.89	4.89	5.30	10.19	3.33	4.64	7.97	3.49	3.51	7.00	4.81
Punjab	4.44	13.15	17.59	4.53	10.97	15.50	4.56	7.77	12.33	4.68	7.18	11.86	9.10
Rajasthan	9.43	16.30	25.74	8.66	12.10	20.77	6.96	9.53	16.49	7.26	7.77	15.03	11.78
Tamil Nadu	9.14	28.05	37.18	7.89	22.01	29.90	6.67	19.06	25.73	6.32	15.62	21.94	18.25
UP (East)	14.42	19.84	34.26	13.37	14.73	28.09	11.18	10.82	22.00	10.61	9.30	19.91	13.68
UP (West)	7.02	16.24	23.25	7.08	12.32	19.39	6.46	9.55	16.01	5.65	7.93	13.58	9.69
West Bengal	9.07	9.97	19.04	8.73	7.56	16.29	7.59	5.49	13.08	6.86	4.15	11.01	8.60
<b>Total</b>	<b>143.89</b>	<b>328.83</b>	<b>472.71</b>	<b>134.57</b>	<b>266.04</b>	<b>400.62</b>	<b>110.08</b>	<b>212.13</b>	<b>322.21</b>	<b>105.75</b>	<b>177.53</b>	<b>283.28</b>	<b>233.09</b>

Source: TRAI



# *II – Telecom Usage Parameters*

*(The geographical areas covered under telecom ‘service areas’ are  
given at Annexure)*



**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	
2007	471	471	₹ 298.00	₹ 202.00	NA	NA	NA	NA
2008	493	364	₹ 264.00	₹ 159.00	NA	NA	NA	NA
2009	484	357	₹ 205.00	₹ 99.00	NA	NA	NA	131.63
2010	410	307	₹ 131.00	₹ 76.00	NA	NA	NA	122.96
2011	349	263	₹ 100.00	₹ 66.00	NA	NA	NA	153.92
2012	346	229	₹ 97.37	₹ 75.29	NA	NA	NA	236.40
2013	383	275	₹ 105.00	₹ 95.25	NA	NA	NA	249.75
2014	389	272	₹ 113.44	₹ 104.98	53.94	176.24	61.66	251.00
2015	383	265	₹ 120.68	₹ 108.21	89.06	278.22	99.46	245.00
2016	381	260	₹ 124.85	₹ 103.54	133.87	433.64	147.12	277.00
2017	405	250	₹ 82.68	₹ 131.34	1006.00	473.00	1000.00	258.00
2018	584	60	₹ 76.04	₹ 79.32	2447.00	173.00	2437.00	258.00

**Note : NA - Not Available**

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

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

Category	Postpaid									Prepaid									Blended								
	Outgoing MOU			Incoming MOU			Total MOU			Outgoing MOU			Incoming MOU			Total MOU			Outgoing MOU			Incoming MOU			Total MOU		
	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017
<b>Circle A</b>	549.4	517.7	446.0	394.9	384.4	393.0	944.3	902.1	840.0	165.5	158.9	197.0	167.4	162.6	181.0	332.9	321.5	378.0	185.8	179.8	210.0	179.5	175.5	193.0	365.3	355.3	403.0
<b>Circle B</b>	558.6	541.6	459.0	377.6	362.1	377.0	936.2	903.7	835.0	162.3	155.5	199.0	195.2	192.2	230.0	357.5	347.7	429.0	172.2	165.6	206.0	199.8	196.6	233.0	372.0	362.2	439.0
<b>Circle C</b>	550.6	534.4	464.0	372.9	341.5	290.0	923.5	875.9	754.0	173.9	168.8	223.0	225.8	223.8	279.0	399.7	392.6	501.0	180.6	176.0	228.0	228.5	226.1	279.0	409.1	402.1	507.0
<b>Metro</b>	518.1	488.9	429.0	348.4	332.6	345.0	866.5	821.5	774.0	191.0	181.5	261.0	165.0	160.4	183.0	356.0	341.9	443.0	235.5	225.1	283.0	190.0	184.8	204.0	425.5	409.9	487.0
<b>All India</b>	542.5	515.8	445.0	376.2	362.0	368.0	918.7	877.8	813.0	167.7	161.0	208.0	187.5	184.1	216.0	355.2	345.1	424.0	184.3	177.9	218.0	195.9	192.5	223.0	380.2	370.4	441.0

Note: Categories assigned to circles' have been defined in Annexure-II

Source: TRAI

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

Category	Postpaid									Prepaid									Blended								
	Outgoing MOU			Incoming MOU			Total MOU			Outgoing MOU			Incoming MOU			Total MOU			Outgoing MOU			Incoming MOU			Total MOU		
	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017
<b>Circle A</b>	214.7	172.1	105.0	156.9	109.5	64.0	371.6	281.6	169.0	106.5	95.2	70.0	97.8	89.7	101.0	204.3	184.9	170.0	123.5	107.0	78.0	107.1	92.7	106.0	230.6	199.7	185.0
<b>Circle B</b>	382.3	357.7	281.0	248.0	192.9	140.0	630.3	550.6	421.0	142.0	148.6	76.0	121.4	120.6	133.0	263.4	269.1	210.0	156.8	161.1	106.0	129.1	124.9	146.0	285.9	286.0	252.0
<b>Circle C</b>	751.9	622.9	183.0	418.8	294.1	98.0	1170.8	917.0	281.0	191.8	228.0	77.0	135.8	149.5	155.0	327.5	377.5	232.0	217.7	254.5	89.0	148.8	159.2	149.0	366.5	413.7	237.0
<b>Metro</b>	209.4	178.3	141.0	134.8	115.6	109.0	344.3	293.9	250.0	112.9	112.0	96.0	88.1	95.4	152.0	201.0	207.4	248.0	128.0	123.7	102.0	95.4	99.0	133.0	223.4	222.7	235.0
<b>All India</b>	262.3	222.0	147.0	174.2	132.8	99.0	436.5	354.8	246.0	129.1	128.5	82.0	107.3	106.8	132.0	236.4	235.3	214.0	144.4	139.8	96.0	114.9	110.0	130.0	259.3	249.8	226.0

Note: Categories assigned to circles' have been defined in Annexure-II

Source: TRAI



# *III – Service Area Wise Performance*

*(The geographical areas covered under telecom ‘service areas’ are  
given at Annexure)*



## Service Area wise Subscribers : Overall

<b>Telecom Subscribers (Millions)</b>							
<b>At the end of March</b>	<b>Total</b>	<b>Wireline</b>	<b>Wireless</b>	<b>Rural</b>	<b>Urban</b>	<b>Public</b>	<b>Private</b>
<b>2008</b>	300.49	39.41	261.08	76.50	223.99	79.55	220.94
<b>2009</b>	429.73	37.96	391.76	123.51	306.21	89.55	340.18
<b>2010</b>	621.28	36.96	584.32	200.77	420.51	105.87	515.41
<b>2011</b>	846.33	34.73	811.60	282.29	564.04	126.00	720.33
<b>2012</b>	951.35	32.17	919.17	330.83	620.52	130.27	821.08
<b>2013</b>	898.02	30.21	867.81	349.21	548.80	130.11	767.91
<b>2014</b>	933.02	28.50	904.52	377.78	555.23	120.05	812.96
<b>2015</b>	996.13	26.59	969.54	416.08	580.05	100.34	895.79
<b>2016</b>	1059.33	25.22	1034.11	447.77	611.56	108.65	950.68
<b>2017</b>	1194.99	24.40	1170.59	501.81	693.18	122.18	1072.81
<b>2018</b>	1211.80	22.81	1188.99	525.87	685.93	131.66	1080.14
<b>Teledensity (per 100 Inhabitants)</b>							
<b>At the end of March</b>	<b>Total</b>	<b>Wireline</b>	<b>Wireless</b>	<b>Rural</b>	<b>Urban</b>	<b>Public</b>	<b>Private</b>
<b>2008</b>	26.22	3.44	22.78	9.46	66.39	6.94	19.28
<b>2009</b>	36.98	3.27	33.71	15.11	88.84	7.71	29.27
<b>2010</b>	52.74	3.14	49.60	24.31	119.45	8.99	43.75
<b>2011</b>	70.89	2.91	67.98	33.83	156.93	10.55	60.34
<b>2012</b>	78.66	2.66	76.00	39.26	169.17	10.77	67.89
<b>2013</b>	73.32	2.47	70.85	41.05	146.64	10.62	62.69
<b>2014</b>	75.23	2.30	72.94	44.01	145.46	9.68	65.55
<b>2015</b>	79.36	2.12	77.24	48.04	149.04	7.99	71.36
<b>2016</b>	83.40	1.99	81.41	51.26	154.18	8.55	74.85
<b>2017</b>	93.01	1.90	91.11	56.98	171.52	9.51	83.50
<b>2018</b>	93.27	1.76	91.51	59.25	166.64	10.13	83.14

Source - DOT compiled Data

## 1. Andhra Pradesh

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	23.29	2.71	20.58	6.23	17.06	4.93	18.36
<b>2009</b>	32.95	2.55	30.40	9.17	23.78	5.66	27.29
<b>2010</b>	48.09	2.46	45.62	14.78	33.30	6.62	41.46
<b>2011</b>	63.05	2.37	60.68	20.66	42.39	9.31	53.74
<b>2012</b>	69.19	2.36	66.83	24.23	44.95	10.99	58.20
<b>2013</b>	66.60	2.24	64.36	26.06	40.55	11.23	55.37
<b>2014</b>	69.19	2.04	67.15	28.58	40.61	11.58	57.62
<b>2015</b>	73.82	1.87	71.95	31.02	42.80	11.10	62.72
<b>2016</b>	76.39	1.74	74.65	32.73	43.66	10.99	65.39
<b>2017</b>	86.58	1.64	84.94	38.73	47.85	11.14	75.44
<b>2018</b>	87.24	1.48	85.76	39.65	47.59	11.18	76.06
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	7.75	6.88	7.88	8.15	7.61	6.20	8.31
<b>2009</b>	7.67	6.71	7.76	7.42	7.77	6.32	8.02
<b>2010</b>	7.74	6.66	7.81	7.36	7.92	6.26	8.04
<b>2011</b>	7.45	6.82	7.48	7.32	7.52	7.39	7.46
<b>2012</b>	7.27	7.34	7.27	7.33	7.24	8.44	7.09
<b>2013</b>	7.42	7.41	7.42	7.46	7.39	8.63	7.21
<b>2014</b>	7.42	7.17	7.42	7.57	7.31	9.64	7.09
<b>2015</b>	7.41	7.03	7.42	7.45	7.38	11.06	7.00
<b>2016</b>	7.21	6.88	7.22	7.31	7.14	10.12	6.88
<b>2017</b>	7.25	6.71	7.26	7.72	6.90	9.12	7.03
<b>2018</b>	7.20	6.49	7.21	7.54	6.94	8.50	7.04
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	28.25	3.29	24.96	10.44	74.97	5.98	22.27
<b>2009</b>	111.83	8.65	103.18	36.32	103.38	19.20	92.63
<b>2010</b>	57.23	2.93	54.30	24.33	143.19	7.88	49.34
<b>2011</b>	74.35	2.79	71.55	33.70	180.32	10.98	63.37
<b>2012</b>	80.87	2.76	78.11	39.21	189.25	12.85	68.03
<b>2013</b>	77.19	2.60	74.59	41.83	169.00	13.01	64.17
<b>2014</b>	79.52	2.35	77.17	45.53	167.61	13.31	66.22
<b>2015</b>	84.15	2.13	82.02	49.04	174.94	12.65	71.50
<b>2016</b>	86.40	1.96	84.43	51.36	176.81	12.43	73.96
<b>2017</b>	97.18	1.84	95.34	60.35	192.02	12.50	84.68
<b>2018</b>	97.21	1.65	95.56	61.37	189.30	12.46	84.75

## 2. Assam

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	4.34	0.43	3.91	1.12	3.22	1.35	2.99
<b>2009</b>	6.16	0.35	5.81	2.39	3.77	1.32	4.84
<b>2010</b>	9.06	0.31	8.76	4.76	4.31	1.45	7.61
<b>2011</b>	11.93	0.26	11.67	6.23	5.70	1.74	10.19
<b>2012</b>	14.44	0.23	14.21	7.45	6.99	1.49	12.95
<b>2013</b>	14.58	0.19	14.39	8.25	6.33	1.43	13.15
<b>2014</b>	15.46	0.18	15.28	9.20	6.27	1.46	14.00
<b>2015</b>	17.32	0.17	17.15	10.58	6.74	1.43	15.89
<b>2016</b>	18.72	0.16	18.56	11.83	6.90	1.50	17.22
<b>2017</b>	21.99	0.16	21.84	13.81	8.19	1.69	20.30
<b>2018</b>	25.52	0.14	25.38	15.87	9.65	2.75	22.76
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	1.45	1.09	1.50	1.47	1.44	1.70	1.36
<b>2009</b>	1.43	0.92	1.48	1.93	1.23	1.48	1.42
<b>2010</b>	1.46	0.83	1.50	2.37	1.02	1.37	1.48
<b>2011</b>	1.41	0.74	1.44	2.21	1.01	1.38	1.41
<b>2012</b>	1.52	0.71	1.55	2.25	1.13	1.15	1.58
<b>2013</b>	1.62	0.64	1.66	2.36	1.15	1.10	1.71
<b>2014</b>	1.66	0.65	1.69	2.43	1.13	1.22	1.72
<b>2015</b>	1.74	0.63	1.77	2.54	1.16	1.42	1.77
<b>2016</b>	1.77	0.64	1.79	2.64	1.13	1.38	1.81
<b>2017</b>	1.84	0.64	1.87	2.75	1.18	1.38	1.89
<b>2018</b>	2.11	0.60	2.13	3.02	1.41	2.09	2.11
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	14.74	1.46	13.28	4.44	76.30	4.58	10.16
<b>2009</b>	20.65	1.18	19.47	9.36	87.00	4.44	16.21
<b>2010</b>	29.99	1.02	28.97	18.47	96.55	4.80	25.20
<b>2011</b>	38.98	0.84	38.14	23.93	124.46	5.69	33.30
<b>2012</b>	46.61	0.74	45.87	28.35	148.57	4.82	41.79
<b>2013</b>	46.51	0.62	45.89	31.13	130.91	4.56	41.95
<b>2014</b>	48.74	0.58	48.16	34.36	126.27	4.61	44.13
<b>2015</b>	53.95	0.52	53.43	39.18	132.26	4.45	49.50
<b>2016</b>	57.64	0.49	57.15	43.40	131.88	4.63	53.01
<b>2017</b>	66.97	0.47	66.50	50.25	152.63	5.14	61.83
<b>2018</b>	76.87	0.41	76.46	57.29	175.45	8.30	68.57

### 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
2018	88.93	0.28	88.65	53.29	35.64	4.69	84.24
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
2018	7.34	1.22	7.46	10.13	5.20	3.56	7.80
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
2018	63.16	0.20	62.96	43.94	182.52	3.33	59.83

## 4. Gujarat

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	19.24	2.28	16.97	5.68	13.57	4.38	14.87
<b>2009</b>	26.22	2.11	24.11	8.82	17.40	4.57	21.65
<b>2010</b>	34.43	2.08	32.35	11.84	22.59	5.13	29.30
<b>2011</b>	48.90	1.95	46.96	16.63	32.28	5.69	43.21
<b>2012</b>	55.15	1.83	53.32	19.35	35.80	5.83	49.32
<b>2013</b>	53.49	1.79	51.69	19.23	34.26	5.86	47.62
<b>2014</b>	56.23	1.69	54.54	20.95	35.28	5.60	50.63
<b>2015</b>	60.12	1.55	58.56	22.72	37.40	4.45	55.66
<b>2016</b>	63.68	1.41	62.27	24.77	38.91	4.78	58.90
<b>2017</b>	73.20	1.36	71.84	28.10	45.10	5.96	67.23
<b>2018</b>	73.20	1.27	71.93	28.41	44.79	6.87	66.33
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	6.40	5.78	6.50	7.42	6.06	5.51	6.73
<b>2009</b>	6.10	5.57	6.15	7.14	5.68	5.11	6.36
<b>2010</b>	5.54	5.63	5.54	5.90	5.37	4.84	5.69
<b>2011</b>	5.78	5.61	5.79	5.89	5.72	4.52	6.00
<b>2012</b>	5.80	5.69	5.80	5.85	5.77	4.48	6.01
<b>2013</b>	5.96	5.93	5.96	5.51	6.24	4.51	6.20
<b>2014</b>	6.03	5.93	6.03	5.54	6.35	4.66	6.23
<b>2015</b>	6.03	5.84	6.04	5.46	6.45	4.44	6.21
<b>2016</b>	6.01	5.59	6.02	5.53	6.36	4.40	6.20
<b>2017</b>	6.13	5.56	6.14	5.60	6.51	4.88	6.27
<b>2018</b>	6.04	5.56	6.05	5.40	6.53	5.21	6.14
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	33.63	3.98	29.65	16.37	60.14	7.65	25.97
<b>2009</b>	45.16	3.64	41.52	25.21	75.43	7.88	37.28
<b>2010</b>	58.46	3.53	54.93	33.52	95.82	8.71	49.75
<b>2011</b>	81.90	3.26	78.64	46.68	133.99	9.53	72.37
<b>2012</b>	91.13	3.03	88.11	53.89	145.50	9.64	81.50
<b>2013</b>	87.23	2.92	84.31	53.12	136.39	9.56	77.67
<b>2014</b>	90.54	2.72	87.82	57.44	137.63	9.01	81.53
<b>2015</b>	95.61	2.47	93.14	61.85	143.01	7.08	88.53
<b>2016</b>	100.06	2.21	97.85	66.99	145.90	7.51	92.55
<b>2017</b>	113.71	2.11	111.60	75.55	165.93	9.26	104.45
<b>2018</b>	112.45	1.95	110.50	75.95	161.76	10.55	101.90

## 5. Haryana

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	7.36	0.95	6.40	2.82	4.54	2.26	5.10
<b>2009</b>	10.78	0.88	9.90	4.66	6.12	2.58	8.20
<b>2010</b>	14.96	0.82	14.13	6.59	8.37	3.36	11.60
<b>2011</b>	21.04	0.65	20.39	8.67	12.37	3.67	17.37
<b>2012</b>	23.15	0.59	22.56	9.53	13.62	3.54	19.61
<b>2013</b>	20.10	0.56	19.54	9.76	10.35	3.61	16.49
<b>2014</b>	21.75	0.50	21.25	10.35	11.40	3.78	17.97
<b>2015</b>	22.41	0.41	22.01	10.40	12.01	3.09	19.33
<b>2016</b>	23.63	0.37	23.26	10.57	13.06	3.51	20.12
<b>2017</b>	25.39	0.35	25.05	11.45	13.94	4.00	21.39
<b>2018</b>	23.89	0.30	23.58	11.72	12.17	4.72	19.17
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	2.45	2.42	2.45	3.68	2.03	2.84	2.31
<b>2009</b>	2.51	2.31	2.53	3.77	2.00	2.88	2.41
<b>2010</b>	2.41	2.23	2.42	3.28	1.99	3.17	2.25
<b>2011</b>	2.49	1.87	2.51	3.07	2.19	2.91	2.41
<b>2012</b>	2.43	1.84	2.45	2.88	2.19	2.72	2.39
<b>2013</b>	2.24	1.86	2.25	2.79	1.89	2.78	2.15
<b>2014</b>	2.33	1.75	2.35	2.74	2.05	3.15	2.21
<b>2015</b>	2.25	1.53	2.27	2.50	2.07	3.08	2.16
<b>2016</b>	2.23	1.46	2.25	2.36	2.14	3.23	2.12
<b>2017</b>	2.12	1.42	2.14	2.28	2.01	3.27	1.99
<b>2018</b>	1.97	1.33	1.98	2.23	1.77	3.58	1.77
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	30.39	3.94	26.45	17.18	58.18	9.34	21.05
<b>2009</b>	43.75	3.55	40.20	28.10	75.98	10.48	33.28
<b>2010</b>	59.70	3.28	56.42	39.37	100.63	13.41	46.28
<b>2011</b>	82.59	2.55	80.04	51.33	144.16	14.39	68.20
<b>2012</b>	89.42	2.29	87.14	55.92	153.98	13.68	75.74
<b>2013</b>	76.44	2.13	74.31	56.78	113.50	13.74	62.70
<b>2014</b>	81.44	1.87	79.57	59.77	121.40	14.17	67.27
<b>2015</b>	82.67	1.50	81.17	59.62	124.23	11.38	71.28
<b>2016</b>	85.88	1.34	84.54	60.18	131.24	12.76	73.13
<b>2017</b>	91.01	1.24	89.77	64.81	136.25	14.33	76.68
<b>2018</b>	84.44	1.07	83.37	65.96	115.67	16.67	67.77



## 6. Himachal Pradesh

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	2.72	0.42	2.30	1.82	0.90	1.05	1.67
<b>2009</b>	3.70	0.38	3.32	2.41	1.29	1.27	2.43
<b>2010</b>	5.34	0.36	4.99	3.15	2.19	1.63	3.71
<b>2011</b>	7.55	0.34	7.22	4.25	3.31	2.00	5.55
<b>2012</b>	8.28	0.31	7.97	4.68	3.60	1.98	6.30
<b>2013</b>	7.30	0.28	7.02	4.57	2.72	1.91	5.39
<b>2014</b>	7.37	0.25	7.12	4.77	2.61	1.68	5.69
<b>2015</b>	8.06	0.21	7.86	5.28	2.78	1.63	6.44
<b>2016</b>	9.06	0.17	8.89	5.95	3.11	1.88	7.18
<b>2017</b>	10.58	0.15	10.43	7.10	3.48	2.31	8.27
<b>2018</b>	12.58	0.13	12.45	6.90	5.68	2.69	9.89
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	0.90	1.06	0.88	2.37	0.40	1.32	0.75
<b>2009</b>	0.86	1.00	0.85	1.95	0.42	1.42	0.72
<b>2010</b>	0.86	0.97	0.85	1.57	0.52	1.54	0.72
<b>2011</b>	0.89	0.97	0.89	1.50	0.59	1.59	0.77
<b>2012</b>	0.87	0.96	0.87	1.41	0.58	1.52	0.77
<b>2013</b>	0.81	0.93	0.81	1.31	0.50	1.47	0.70
<b>2014</b>	0.79	0.89	0.79	1.26	0.47	1.40	0.70
<b>2015</b>	0.81	0.78	0.81	1.27	0.48	1.62	0.72
<b>2016</b>	0.86	0.68	0.86	1.33	0.51	1.73	0.76
<b>2017</b>	0.89	0.61	0.89	1.42	0.50	1.89	0.77
<b>2018</b>	1.04	0.55	1.05	1.31	0.83	2.04	0.92
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	41.16	6.33	34.83	30.81	127.78	15.91	25.25
<b>2009</b>	55.50	5.70	49.80	40.47	179.64	19.01	36.49
<b>2010</b>	79.36	5.31	74.04	52.53	298.28	24.20	55.16
<b>2011</b>	111.11	4.96	106.15	70.23	440.32	29.45	81.66
<b>2012</b>	120.68	4.49	116.18	76.76	469.57	28.85	91.83
<b>2013</b>	105.39	4.05	101.33	74.50	347.60	27.56	77.83
<b>2014</b>	105.59	3.63	101.96	77.07	326.01	24.06	81.53
<b>2015</b>	114.52	2.96	111.56	84.87	340.71	23.12	91.39
<b>2016</b>	127.61	2.41	125.19	95.00	372.94	26.49	101.11
<b>2017</b>	147.86	2.09	145.77	112.65	409.03	32.29	115.57
<b>2018</b>	174.46	1.75	172.71	108.79	656.19	37.32	137.15

## 7. Jammu & Kashmir

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	2.46	0.26	2.20	0.65	1.81	1.18	1.28
<b>2009</b>	3.74	0.24	3.50	1.41	2.34	1.17	2.57
<b>2010</b>	5.78	0.23	5.55	2.29	3.49	1.21	4.57
<b>2011</b>	5.97	0.22	5.75	2.58	3.40	1.05	4.92
<b>2012</b>	6.51	0.20	6.31	2.67	3.84	1.25	5.26
<b>2013</b>	7.04	0.20	6.84	3.21	3.83	1.36	5.69
<b>2014</b>	8.13	0.19	7.94	3.76	4.37	1.46	6.67
<b>2015</b>	9.46	0.15	9.31	4.97	4.49	1.37	8.09
<b>2016</b>	9.95	0.13	9.82	5.19	4.76	1.43	8.51
<b>2017</b>	12.04	0.13	11.91	5.89	6.15	1.61	10.43
<b>2018</b>	13.84	0.12	13.72	7.09	6.75	1.71	12.13
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	0.82	0.66	0.84	0.85	0.81	1.49	0.58
<b>2009</b>	0.87	0.63	0.89	1.14	0.76	1.31	0.76
<b>2010</b>	0.93	0.63	0.95	1.14	0.83	1.14	0.89
<b>2011</b>	0.71	0.62	0.71	0.91	0.60	0.83	0.68
<b>2012</b>	0.68	0.64	0.69	0.81	0.62	0.96	0.64
<b>2013</b>	0.78	0.65	0.79	0.92	0.70	1.04	0.74
<b>2014</b>	0.87	0.65	0.88	1.00	0.79	1.21	0.82
<b>2015</b>	0.95	0.56	0.96	1.19	0.77	1.36	0.90
<b>2016</b>	0.94	0.52	0.95	1.16	0.78	1.32	0.90
<b>2017</b>	1.01	0.55	1.02	1.17	0.89	1.32	0.97
<b>2018</b>	1.14	0.51	1.15	1.35	0.98	1.30	1.12
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	21.84	2.30	19.54	7.87	61.16	10.48	11.36
<b>2009</b>	32.76	2.10	30.66	16.72	77.42	10.24	22.52
<b>2010</b>	49.90	2.00	47.90	26.93	113.17	10.42	39.49
<b>2011</b>	50.90	1.84	49.06	30.01	107.85	8.95	41.95
<b>2012</b>	54.82	1.72	53.10	30.84	119.52	10.53	44.29
<b>2013</b>	58.57	1.64	56.93	36.72	116.92	11.28	47.29
<b>2014</b>	66.80	1.53	65.27	42.61	130.70	11.99	54.82
<b>2015</b>	76.93	1.21	75.72	55.85	132.04	11.12	65.81
<b>2016</b>	80.02	1.06	78.96	57.90	137.20	11.52	68.50
<b>2017</b>	95.91	1.07	94.84	65.23	174.43	12.83	83.07
<b>2018</b>	109.19	0.91	108.28	78.03	188.09	13.50	95.69

## 8. Karnataka

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	19.89	2.84	17.04	4.23	15.65	4.40	15.49
<b>2009</b>	26.33	2.78	23.54	5.30	21.02	4.92	21.41
<b>2010</b>	39.91	2.78	37.13	8.94	30.97	6.04	33.87
<b>2011</b>	52.19	2.74	49.45	13.11	39.09	7.75	44.45
<b>2012</b>	58.41	2.69	55.71	16.54	41.87	8.88	49.53
<b>2013</b>	55.36	2.44	52.91	16.21	39.15	8.82	46.54
<b>2014</b>	56.64	2.32	54.32	17.51	39.13	8.89	47.75
<b>2015</b>	60.32	2.28	58.05	18.64	41.68	8.10	52.22
<b>2016</b>	63.60	2.26	61.34	20.21	43.39	8.25	55.35
<b>2017</b>	71.39	2.24	69.14	22.51	48.88	8.26	63.13
<b>2018</b>	69.22	2.22	67.00	23.63	45.59	8.33	60.89
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	6.62	7.22	6.53	5.53	6.99	5.53	7.01
<b>2009</b>	6.13	7.33	6.01	4.29	6.87	5.49	6.29
<b>2010</b>	6.42	7.51	6.35	4.45	7.36	5.71	6.57
<b>2011</b>	6.17	7.90	6.09	4.64	6.93	6.15	6.17
<b>2012</b>	6.14	8.36	6.06	5.00	6.75	6.81	6.03
<b>2013</b>	6.16	8.09	6.10	4.64	7.13	6.78	6.06
<b>2014</b>	6.07	8.13	6.01	4.63	7.05	7.40	5.87
<b>2015</b>	6.06	8.57	5.99	4.48	7.19	8.08	5.83
<b>2016</b>	6.00	8.94	5.93	4.51	7.09	7.59	5.82
<b>2017</b>	5.97	9.20	5.91	4.49	7.05	6.76	5.88
<b>2018</b>	5.71	9.72	5.64	4.49	6.65	6.33	5.64
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	34.53	4.94	29.59	11.53	74.98	7.64	26.89
<b>2009</b>	45.21	4.78	40.43	14.36	98.73	8.44	36.77
<b>2010</b>	67.81	4.72	63.09	24.08	142.62	10.27	57.54
<b>2011</b>	87.76	4.61	83.15	35.10	176.59	13.02	74.74
<b>2012</b>	97.22	4.48	92.74	44.08	185.62	14.78	82.44
<b>2013</b>	91.24	4.03	87.21	43.00	170.38	14.53	76.71
<b>2014</b>	92.45	3.78	88.67	46.24	167.19	14.50	77.95
<b>2015</b>	97.54	3.68	93.86	49.05	174.89	13.10	84.44
<b>2016</b>	101.89	3.61	98.27	52.95	178.85	13.21	88.67
<b>2017</b>	113.39	3.57	109.83	58.81	198.06	13.12	100.27
<b>2018</b>	109.05	3.49	105.55	61.57	181.67	13.12	95.93

## 9. Kerala

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	15.37	3.67	11.70	6.60	8.77	6.26	9.12
<b>2009</b>	19.98	3.58	16.40	9.00	10.98	6.55	13.42
<b>2010</b>	27.65	3.46	24.19	11.43	16.22	7.51	20.15
<b>2011</b>	34.66	3.30	31.36	13.74	20.92	9.15	25.51
<b>2012</b>	37.21	3.19	34.02	16.10	21.10	10.18	27.03
<b>2013</b>	33.76	3.06	30.69	16.22	17.54	10.67	23.09
<b>2014</b>	34.01	2.89	31.12	16.97	17.04	10.72	23.28
<b>2015</b>	33.94	2.59	31.35	17.81	16.13	9.00	24.94
<b>2016</b>	36.61	2.30	34.31	16.64	19.96	9.78	26.83
<b>2017</b>	41.28	2.11	39.16	18.69	22.59	11.11	30.17
<b>2018</b>	43.98	1.97	42.00	20.30	23.67	12.39	31.58
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	5.12	9.32	4.48	8.62	3.92	7.86	4.13
<b>2009</b>	4.65	9.42	4.19	7.29	3.58	7.32	3.95
<b>2010</b>	4.45	9.36	4.14	5.69	3.86	7.09	3.91
<b>2011</b>	4.10	9.50	3.86	4.87	3.71	7.26	3.54
<b>2012</b>	3.91	9.91	3.70	4.87	3.40	7.81	3.29
<b>2013</b>	3.76	10.14	3.54	4.64	3.20	8.20	3.01
<b>2014</b>	3.64	10.13	3.44	4.49	3.07	8.93	2.86
<b>2015</b>	3.41	9.73	3.23	4.28	2.78	8.97	2.78
<b>2016</b>	3.46	9.11	3.32	3.72	3.26	9.00	2.82
<b>2017</b>	3.45	8.65	3.35	3.72	3.26	9.09	2.81
<b>2018</b>	3.63	8.64	3.53	3.86	3.45	9.41	2.92
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	45.34	10.83	34.51	26.18	100.79	18.45	26.89
<b>2009</b>	58.48	10.47	48.01	35.43	125.35	19.19	39.29
<b>2010</b>	80.36	10.06	70.31	44.65	184.18	21.82	58.55
<b>2011</b>	100.01	9.52	90.48	53.25	236.25	26.39	73.62
<b>2012</b>	106.61	9.14	97.47	61.94	237.10	29.16	77.45
<b>2013</b>	96.09	8.72	87.37	61.93	196.10	30.36	65.73
<b>2014</b>	96.19	8.16	88.02	64.34	189.66	30.33	65.85
<b>2015</b>	95.41	7.27	88.14	67.09	178.73	25.29	70.12
<b>2016</b>	102.33	6.42	95.91	62.30	220.35	27.35	74.99
<b>2017</b>	114.75	5.87	108.88	69.53	248.35	30.88	83.87
<b>2018</b>	121.61	5.45	116.16	75.10	259.40	34.27	87.35

## 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
2018	71.47	0.95	70.52	33.78	37.69	6.72	64.75
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
2018	5.90	4.16	5.93	6.42	5.50	5.10	5.99
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
2018	67.02	0.89	66.13	43.85	127.26	6.30	60.72

## 11. Maharashtra

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	24.72	3.64	21.08	7.56	17.17	7.06	17.66
<b>2009</b>	34.62	3.27	31.35	13.12	21.49	7.09	27.53
<b>2010</b>	46.53	3.01	43.52	19.66	26.87	7.69	38.83
<b>2011</b>	64.57	2.85	61.72	28.25	36.32	9.08	55.49
<b>2012</b>	73.12	2.65	70.47	32.10	41.01	8.47	64.65
<b>2013</b>	70.87	2.47	68.40	32.54	38.32	8.92	61.95
<b>2014</b>	74.90	2.31	72.59	34.84	40.07	8.47	66.44
<b>2015</b>	79.06	2.12	76.94	37.78	41.28	6.79	72.27
<b>2016</b>	86.09	1.99	84.10	40.38	45.71	7.39	78.70
<b>2017</b>	95.78	1.88	93.90	43.14	52.64	7.92	87.86
<b>2018</b>	96.33	1.73	94.61	45.56	50.77	8.37	87.96
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	8.23	9.24	8.07	9.88	7.66	8.88	7.99
<b>2009</b>	8.06	8.61	8.00	10.62	7.02	7.91	8.09
<b>2010</b>	7.49	8.14	7.45	9.79	6.39	7.26	7.53
<b>2011</b>	7.63	8.22	7.60	10.01	6.44	7.21	7.70
<b>2012</b>	7.69	8.22	7.67	9.70	6.61	6.50	7.87
<b>2013</b>	7.89	8.16	7.88	9.32	6.98	6.86	8.07
<b>2014</b>	8.03	8.10	8.03	9.22	7.22	7.05	8.17
<b>2015</b>	7.94	7.96	7.94	9.08	7.12	6.77	8.07
<b>2016</b>	8.13	7.88	8.13	9.02	7.47	6.80	8.28
<b>2017</b>	8.02	7.70	8.02	8.60	7.59	6.49	8.19
<b>2018</b>	7.95	7.58	7.96	8.66	7.40	6.36	8.14
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	27.42	4.04	23.38	12.59	56.97	7.83	19.59
<b>2009</b>	37.90	3.58	34.32	21.70	69.67	7.76	30.14
<b>2010</b>	50.30	3.25	47.05	32.27	85.10	8.32	41.99
<b>2011</b>	68.97	3.05	65.93	46.07	112.47	9.70	59.28
<b>2012</b>	77.19	2.79	74.40	52.03	124.23	8.94	68.25
<b>2013</b>	73.97	2.57	71.39	52.43	113.59	9.31	64.65
<b>2014</b>	77.32	2.38	74.93	55.82	116.26	8.74	68.58
<b>2015</b>	80.75	2.16	78.59	60.24	117.32	6.93	73.82
<b>2016</b>	87.06	2.01	85.05	64.11	127.32	7.47	79.59
<b>2017</b>	95.88	1.88	94.00	68.20	143.70	7.93	87.95
<b>2018</b>	95.50	1.71	93.78	71.74	135.87	8.30	87.20

## 12. North-East

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	2.46	0.34	2.12	0.53	1.93	1.05	1.41
<b>2009</b>	3.69	0.34	3.35	0.95	2.73	1.10	2.58
<b>2010</b>	5.64	0.33	5.31	2.52	3.12	1.40	4.24
<b>2011</b>	7.45	0.27	7.18	3.24	4.21	1.71	5.75
<b>2012</b>	8.77	0.25	8.52	3.77	5.00	1.87	6.90
<b>2013</b>	9.15	0.19	8.96	4.13	5.02	1.95	7.20
<b>2014</b>	9.55	0.14	9.41	4.39	5.17	1.66	7.89
<b>2015</b>	10.63	0.13	10.50	5.29	5.34	1.65	8.98
<b>2016</b>	11.20	0.12	11.07	5.64	5.56	1.75	9.45
<b>2017</b>	12.69	0.12	12.57	6.37	6.32	1.79	10.90
<b>2018</b>	13.97	0.11	13.86	7.08	6.89	1.75	12.23
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	0.82	0.87	0.81	0.69	0.86	1.32	0.64
<b>2009</b>	0.86	0.88	0.86	0.77	0.89	1.23	0.76
<b>2010</b>	0.91	0.88	0.91	1.25	0.74	1.32	0.82
<b>2011</b>	0.88	0.78	0.89	1.15	0.75	1.36	0.80
<b>2012</b>	0.92	0.78	0.93	1.14	0.81	1.43	0.84
<b>2013</b>	1.02	0.63	1.03	1.18	0.91	1.50	0.94
<b>2014</b>	1.02	0.49	1.04	1.16	0.93	1.38	0.97
<b>2015</b>	1.07	0.48	1.08	1.27	0.92	1.64	1.00
<b>2016</b>	1.06	0.49	1.07	1.26	0.91	1.61	0.99
<b>2017</b>	1.06	0.50	1.07	1.27	0.91	1.46	1.02
<b>2018</b>	1.15	0.49	1.17	1.35	1.00	1.33	1.13
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	19.32	2.69	16.63	5.42	64.59	8.26	11.06
<b>2009</b>	28.60	2.60	25.99	9.70	89.46	8.57	20.02
<b>2010</b>	43.22	2.50	40.71	25.36	100.09	10.73	32.49
<b>2011</b>	56.50	2.04	54.46	32.36	132.55	12.95	43.55
<b>2012</b>	65.72	1.89	63.83	37.38	153.90	14.00	51.72
<b>2013</b>	67.78	1.41	66.37	40.57	151.51	14.42	53.36
<b>2014</b>	69.97	1.03	68.94	42.68	153.01	12.17	57.79
<b>2015</b>	77.00	0.92	76.07	51.09	154.91	11.93	65.06
<b>2016</b>	80.22	0.89	79.33	54.01	158.15	12.55	67.67
<b>2017</b>	89.94	0.86	89.08	60.51	176.42	12.68	77.25
<b>2018</b>	98.06	0.79	97.27	66.81	188.77	12.27	85.79

### 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
2018	34.65	0.28	34.37	21.84	12.81	5.69	28.96
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
2018	2.86	1.22	2.89	4.15	1.87	4.32	2.68
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
2018	80.28	0.64	79.64	61.81	163.73	13.17	67.11



## 14. Punjab

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	13.40	1.68	11.72	4.24	9.15	3.45	9.95
<b>2009</b>	16.53	1.65	14.88	5.63	10.90	4.24	12.29
<b>2010</b>	21.70	1.60	20.10	7.26	14.44	4.95	16.75
<b>2011</b>	30.34	1.58	28.76	9.81	20.53	5.81	24.53
<b>2012</b>	33.40	1.44	31.95	11.17	22.23	5.78	27.62
<b>2013</b>	30.78	1.32	29.46	11.59	19.19	5.42	25.37
<b>2014</b>	32.43	1.22	31.21	12.45	19.98	5.51	26.93
<b>2015</b>	31.75	1.12	30.63	12.47	19.28	3.79	27.96
<b>2016</b>	32.81	1.06	31.75	12.49	20.32	4.24	28.56
<b>2017</b>	36.97	1.01	35.97	13.99	22.99	5.13	31.84
<b>2018</b>	39.00	0.86	38.14	14.15	24.86	5.81	33.19
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	4.46	4.27	4.49	5.55	4.09	4.33	4.51
<b>2009</b>	3.85	4.34	3.80	4.56	3.56	4.74	3.61
<b>2010</b>	3.49	4.34	3.44	3.62	3.43	4.67	3.25
<b>2011</b>	3.58	4.55	3.54	3.48	3.64	4.61	3.41
<b>2012</b>	3.51	4.48	3.48	3.38	3.58	4.43	3.36
<b>2013</b>	3.43	4.37	3.40	3.32	3.50	4.16	3.30
<b>2014</b>	3.48	4.29	3.45	3.30	3.60	4.59	3.31
<b>2015</b>	3.19	4.21	3.16	3.00	3.32	3.78	3.12
<b>2016</b>	3.10	4.20	3.07	2.79	3.32	3.91	3.00
<b>2017</b>	3.09	4.13	3.07	2.79	3.32	4.20	2.97
<b>2018</b>	3.22	3.78	3.21	2.69	3.62	4.42	3.07
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	47.89	6.02	41.87	25.08	82.79	12.31	35.58
<b>2009</b>	58.25	5.81	52.44	33.11	95.85	14.95	43.30
<b>2010</b>	75.43	5.58	69.86	42.51	123.57	17.19	58.24
<b>2011</b>	104.09	5.42	98.68	57.23	171.07	19.93	84.16
<b>2012</b>	113.13	4.89	108.24	64.90	180.52	19.57	93.56
<b>2013</b>	103.00	4.42	98.58	67.16	151.97	18.12	84.88
<b>2014</b>	107.22	4.04	103.18	71.96	154.34	18.20	89.02
<b>2015</b>	103.79	3.66	100.12	71.96	145.39	12.39	91.39
<b>2016</b>	106.10	3.43	102.67	71.97	149.78	13.72	92.38
<b>2017</b>	118.28	3.22	115.06	80.51	165.52	16.40	101.87
<b>2018</b>	123.45	2.73	120.72	81.39	174.88	18.40	105.05

## 15. Rajasthan

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	15.34	1.76	13.59	6.28	9.07	4.10	11.24
<b>2009</b>	24.42	1.67	22.76	8.37	16.05	4.72	19.70
<b>2010</b>	35.27	1.53	33.74	15.99	19.28	5.91	29.36
<b>2011</b>	44.39	1.29	43.10	20.05	24.34	6.87	37.51
<b>2012</b>	50.32	1.16	49.16	23.00	27.32	6.70	43.63
<b>2013</b>	49.61	1.01	48.60	23.75	25.87	6.85	42.76
<b>2014</b>	53.57	0.92	52.65	26.21	27.36	6.85	46.72
<b>2015</b>	56.03	0.82	55.21	29.28	26.75	3.99	52.04
<b>2016</b>	60.88	0.79	60.09	32.28	28.60	4.67	56.21
<b>2017</b>	68.10	0.74	67.36	34.62	33.48	6.17	61.93
<b>2018</b>	65.84	0.60	65.24	34.09	31.75	6.08	59.76
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	5.11	4.46	5.20	8.21	4.05	5.16	5.09
<b>2009</b>	5.68	4.39	5.81	6.78	5.24	5.27	5.79
<b>2010</b>	5.68	4.13	5.77	7.96	4.58	5.58	5.70
<b>2011</b>	5.24	3.71	5.31	7.10	4.32	5.46	5.21
<b>2012</b>	5.29	3.62	5.35	6.95	4.40	5.14	5.31
<b>2013</b>	5.52	3.35	5.60	6.80	4.71	5.27	5.57
<b>2014</b>	5.74	3.24	5.82	6.94	4.93	5.71	5.75
<b>2015</b>	5.62	3.09	5.69	7.04	4.61	3.98	5.81
<b>2016</b>	5.75	3.12	5.81	7.21	4.68	4.29	5.91
<b>2017</b>	5.70	3.03	5.75	6.90	4.83	5.05	5.77
<b>2018</b>	5.43	2.63	5.49	6.48	4.63	4.62	5.53
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	23.74	2.72	21.02	12.74	59.06	6.35	17.39
<b>2009</b>	37.15	2.53	34.62	16.71	102.56	7.18	29.97
<b>2010</b>	52.76	2.28	50.48	31.42	120.89	8.84	43.92
<b>2011</b>	65.35	1.90	63.46	38.79	149.88	10.12	55.23
<b>2012</b>	72.96	1.69	71.27	43.86	165.30	9.71	63.25
<b>2013</b>	70.85	1.44	69.40	44.63	153.82	9.79	61.06
<b>2014</b>	75.39	1.30	74.09	48.58	160.00	9.65	65.75
<b>2015</b>	77.76	1.14	76.62	53.55	153.93	5.54	72.22
<b>2016</b>	83.36	1.08	82.29	58.30	161.99	6.39	76.98
<b>2017</b>	92.02	1.00	91.02	61.73	186.76	8.33	83.69
<b>2018</b>	87.83	0.80	87.03	60.06	174.44	8.11	79.72

## 16. Tamil Nadu

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	20.79	2.50	18.28	5.13	15.65	5.14	15.64
<b>2009</b>	30.04	2.26	27.78	8.22	21.82	5.57	24.47
<b>2010</b>	44.44	2.11	42.34	12.03	32.41	6.64	37.80
<b>2011</b>	58.71	1.98	56.73	15.11	43.59	8.68	50.03
<b>2012</b>	80.87	3.19	77.68	17.21	63.66	12.22	68.65
<b>2013</b>	75.52	3.11	72.41	19.98	55.54	12.00	63.53
<b>2014</b>	78.09	2.91	75.17	21.91	56.18	12.05	66.04
<b>2015</b>	83.08	2.76	80.32	24.05	59.02	10.71	72.36
<b>2016</b>	83.99	2.64	81.35	24.25	59.73	10.65	73.34
<b>2017</b>	91.80	2.55	89.26	26.28	65.53	10.97	80.83
<b>2018</b>	98.01	2.32	95.70	29.14	68.87	12.65	85.36
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	6.92	6.35	7.00	6.71	6.99	6.47	7.08
<b>2009</b>	6.99	5.95	7.09	6.65	7.13	6.22	7.19
<b>2010</b>	7.15	5.70	7.25	5.99	7.71	6.27	7.33
<b>2011</b>	6.94	5.69	6.99	5.35	7.73	6.89	6.95
<b>2012</b>	8.50	9.92	8.45	5.20	10.26	9.38	8.36
<b>2013</b>	8.41	10.29	8.34	5.72	10.12	9.22	8.27
<b>2014</b>	8.37	10.22	8.31	5.80	10.12	10.03	8.12
<b>2015</b>	8.34	10.37	8.28	5.78	10.18	10.68	8.08
<b>2016</b>	7.93	10.47	7.87	5.42	9.77	9.80	7.71
<b>2017</b>	7.68	10.44	7.62	5.24	9.45	8.98	7.53
<b>2018</b>	8.09	10.15	8.05	5.54	10.04	9.61	7.90
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	35.09	4.22	30.87	15.78	58.62	8.69	26.41
<b>2009</b>	50.46	3.80	46.67	25.62	79.48	9.36	41.10
<b>2010</b>	74.31	3.52	70.79	38.05	114.94	11.11	63.20
<b>2011</b>	97.73	3.29	94.44	48.55	150.60	14.44	83.28
<b>2012</b>	116.61	4.60	112.01	56.20	164.40	17.61	98.99
<b>2013</b>	108.17	4.45	103.72	66.33	139.93	17.18	90.99
<b>2014</b>	111.14	4.15	106.99	74.02	138.16	17.14	93.99
<b>2015</b>	117.52	3.90	113.62	82.75	141.81	15.16	102.37
<b>2016</b>	118.13	3.71	114.42	85.00	140.34	14.97	103.16
<b>2017</b>	128.41	3.56	124.84	93.88	150.61	15.34	113.06
<b>2018</b>	136.36	3.22	133.14	106.23	154.96	17.61	118.76

## 17. Uttar Pradesh

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	31.86	2.81	29.05	9.74	22.12	9.51	22.35
<b>2009</b>	49.45	2.81	46.64	15.98	33.47	11.44	38.02
<b>2010</b>	77.50	2.82	74.68	29.45	48.05	14.41	63.10
<b>2011</b>	111.77	2.32	109.45	43.59	68.18	16.66	95.11
<b>2012</b>	130.78	2.07	128.71	53.27	77.51	16.84	113.94
<b>2013</b>	124.04	1.82	122.22	56.39	67.65	17.01	107.03
<b>2014</b>	127.08	1.34	125.74	61.02	66.06	16.11	110.97
<b>2015</b>	136.42	1.00	135.42	67.71	68.71	11.84	124.58
<b>2016</b>	150.77	0.93	149.84	74.53	76.24	13.95	136.81
<b>2017</b>	172.13	0.89	171.24	82.44	89.69	17.66	154.46
<b>2018</b>	168.40	0.81	167.59	84.76	83.65	18.32	150.09
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	10.60	7.14	11.13	12.73	9.88	11.96	10.12
<b>2009</b>	11.51	7.40	11.91	12.94	10.93	12.77	11.18
<b>2010</b>	12.47	7.64	12.78	14.67	11.43	13.61	12.24
<b>2011</b>	13.21	6.69	13.49	15.44	12.09	13.22	13.20
<b>2012</b>	13.75	6.43	14.00	16.10	12.49	12.93	13.88
<b>2013</b>	13.81	6.01	14.08	16.15	12.33	13.07	13.94
<b>2014</b>	13.62	4.71	13.90	16.15	11.90	13.42	13.65
<b>2015</b>	13.69	3.75	13.97	16.27	11.85	11.80	13.91
<b>2016</b>	14.23	3.69	14.49	16.64	12.47	12.84	14.39
<b>2017</b>	14.40	3.65	14.63	16.43	12.94	14.46	14.40
<b>2018</b>	13.90	3.56	14.10	16.12	12.20	13.91	13.90
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	15.93	1.41	14.52	6.23	50.53	4.75	11.17
<b>2009</b>	24.28	1.38	22.90	10.06	74.65	5.61	18.66
<b>2010</b>	37.37	1.36	36.01	18.24	104.68	6.95	30.43
<b>2011</b>	52.97	1.10	51.87	26.57	145.15	7.90	45.07
<b>2012</b>	60.93	0.96	59.97	31.98	161.32	7.85	53.08
<b>2013</b>	56.83	0.83	56.00	33.34	137.69	7.79	49.04
<b>2014</b>	57.27	0.61	56.67	35.55	131.53	7.26	50.01
<b>2015</b>	60.51	0.44	60.06	38.88	133.87	5.25	55.25
<b>2016</b>	65.83	0.41	65.43	42.20	145.42	6.09	59.74
<b>2017</b>	74.03	0.38	73.64	46.06	167.56	7.60	66.43
<b>2018</b>	44.33	0.34	71.01	31.08	88.31	7.76	63.60

## 18. West Bengal

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	10.59	1.15	9.44	4.68	5.90	2.70	7.88
<b>2009</b>	16.71	1.05	15.66	8.62	8.09	3.06	13.65
<b>2010</b>	26.07	0.91	25.17	15.00	11.07	3.28	22.79
<b>2011</b>	40.42	0.76	39.66	23.93	16.49	4.07	36.35
<b>2012</b>	46.95	0.68	46.27	27.51	19.44	4.27	42.68
<b>2013</b>	41.71	0.55	41.16	26.77	14.94	4.15	37.56
<b>2014</b>	42.80	0.51	42.29	27.74	15.06	2.55	40.25
<b>2015</b>	47.52	0.44	47.07	31.79	15.73	1.80	45.71
<b>2016</b>	49.87	0.37	49.50	34.38	15.49	2.11	47.75
<b>2017</b>	58.58	0.33	58.25	39.86	18.72	2.23	56.35
<b>2018</b>	59.15	0.28	58.88	40.52	18.63	2.01	57.15
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	3.52	2.91	3.62	6.12	2.63	3.40	3.57
<b>2009</b>	3.89	2.78	4.00	6.98	2.64	3.42	4.01
<b>2010</b>	4.20	2.45	4.31	7.47	2.63	3.10	4.42
<b>2011</b>	4.78	2.18	4.89	8.48	2.92	3.23	5.05
<b>2012</b>	4.94	2.12	5.03	8.32	3.13	3.28	5.20
<b>2013</b>	4.64	1.81	4.74	7.67	2.72	3.19	4.89
<b>2014</b>	4.59	1.78	4.68	7.34	2.71	2.12	4.95
<b>2015</b>	4.77	1.66	4.86	7.64	2.71	1.80	5.10
<b>2016</b>	4.71	1.45	4.79	7.68	2.53	1.94	5.02
<b>2017</b>	4.90	1.34	4.98	7.94	2.70	1.82	5.25
<b>2018</b>	4.88	1.22	4.95	7.71	2.72	1.53	5.29
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	14.39	1.56	12.83	7.41	56.86	3.67	10.71
<b>2009</b>	22.50	1.42	21.08	13.51	77.04	4.12	18.38
<b>2010</b>	34.78	1.21	33.57	23.32	104.13	4.38	30.40
<b>2011</b>	53.43	1.00	52.43	36.88	153.26	5.38	48.05
<b>2012</b>	61.52	0.89	60.63	42.05	178.63	5.60	55.93
<b>2013</b>	54.18	0.71	53.47	40.58	135.72	5.39	48.79
<b>2014</b>	55.13	0.65	54.48	41.71	135.28	3.29	51.84
<b>2015</b>	60.69	0.56	60.13	47.41	139.77	2.30	58.39
<b>2016</b>	63.16	0.46	62.69	50.88	136.07	2.68	60.48
<b>2017</b>	73.59	0.41	73.18	58.54	162.71	2.80	70.79
<b>2018</b>	73.73	0.35	73.39	59.06	160.28	2.50	71.23

## 19. Kolkata

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	9.33	1.49	7.84	0.73	8.60	2.43	6.90
<b>2009</b>	13.18	1.54	11.64	1.04	12.14	2.95	10.23
<b>2010</b>	17.87	1.46	16.40	0.72	17.14	3.11	14.76
<b>2011</b>	24.61	1.40	23.21	0.92	23.70	3.69	20.93
<b>2012</b>	26.17	1.18	24.99	0.90	25.27	3.40	22.77
<b>2013</b>	22.40	1.14	21.26	0.95	21.46	3.23	19.18
<b>2014</b>	22.15	1.08	21.07	1.77	20.38	1.71	20.44
<b>2015</b>	23.56	1.00	22.56	1.59	21.97	1.55	22.02
<b>2016</b>	25.93	0.91	25.03	1.79	24.15	1.45	24.48
<b>2017</b>	30.18	0.86	29.32	2.38	27.80	1.57	28.61
<b>2018</b>	29.61	0.79	28.81	3.28	26.32	2.02	27.58
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	3.11	3.78	3.00	0.95	3.84	3.05	3.12
<b>2009</b>	3.07	4.05	2.97	0.84	3.96	3.29	3.01
<b>2010</b>	2.88	3.96	2.81	0.36	4.08	2.94	2.86
<b>2011</b>	2.91	4.03	2.86	0.32	4.20	2.93	2.91
<b>2012</b>	2.75	3.68	2.72	0.27	4.07	2.61	2.77
<b>2013</b>	2.49	3.79	2.45	0.27	3.91	2.48	2.50
<b>2014</b>	2.37	3.78	2.33	0.47	3.67	1.42	2.51
<b>2015</b>	2.37	3.78	2.33	0.38	3.79	1.54	2.46
<b>2016</b>	2.45	3.60	2.42	0.40	3.95	1.34	2.58
<b>2017</b>	2.53	3.52	2.50	0.47	4.01	1.28	2.67
<b>2018</b>	2.44	3.47	2.42	0.62	3.84	1.54	2.55
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	64.22	10.24	53.98	#	#	16.71	47.51
<b>2009</b>	89.68	10.46	79.21	#	#	20.06	69.62
<b>2010</b>	120.18	9.84	110.34	#	#	20.92	99.27
<b>2011</b>	163.76	9.32	154.44	#	#	24.53	139.23
<b>2012</b>	172.22	7.78	164.44	#	#	22.38	149.84
<b>2013</b>	145.86	7.45	138.41	#	#	21.01	124.85
<b>2014</b>	142.67	6.94	135.73	#	#	11.00	131.66
<b>2015</b>	150.20	6.40	143.80	#	#	9.87	140.33
<b>2016</b>	163.56	5.73	157.82	#	#	9.16	154.39
<b>2017</b>	188.37	5.36	183.01	#	#	9.80	178.58
<b>2018</b>	182.97	4.89	178.08	#	#	12.50	170.47

# : 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
2018	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
2018	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							
2018							

# : Rural -Urban breakup of population not available

Source - DOT compiled Data

## 21. Delhi

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	18.70	2.42	16.28	0.00	18.70	3.18	15.52
<b>2009</b>	24.50	2.52	21.98	0.00	24.50	3.59	20.92
<b>2010</b>	31.01	2.71	28.30	0.34	30.67	3.94	27.07
<b>2011</b>	41.66	2.84	38.82	1.10	40.56	4.19	37.47
<b>2012</b>	45.40	2.91	42.49	1.78	43.63	4.45	40.95
<b>2013</b>	43.39	2.96	40.43	2.13	41.25	4.19	39.20
<b>2014</b>	45.69	3.10	42.58	2.37	43.32	3.91	41.78
<b>2015</b>	49.33	3.14	46.19	2.22	47.11	3.96	45.37
<b>2016</b>	50.42	3.17	47.24	2.26	48.16	3.93	46.48
<b>2017</b>	56.57	3.22	53.35	2.54	54.03	3.93	52.65
<b>2018</b>	57.45	3.19	54.26	2.96	54.49	3.82	53.64
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	6.22	6.14	6.24	0.00	8.35	4.00	7.03
<b>2009</b>	5.70	6.64	5.61	0.00	8.00	4.00	6.15
<b>2010</b>	4.99	7.34	4.84	0.17	7.29	3.72	5.25
<b>2011</b>	4.92	8.17	4.78	0.39	7.19	3.32	5.20
<b>2012</b>	4.77	9.05	4.62	0.54	7.03	3.42	4.99
<b>2013</b>	4.83	9.81	4.66	0.61	7.52	3.22	5.10
<b>2014</b>	4.90	10.89	4.71	0.63	7.80	3.26	5.14
<b>2015</b>	4.95	11.81	4.76	0.53	8.12	3.95	5.06
<b>2016</b>	4.76	12.57	4.57	0.50	7.87	3.62	4.89
<b>2017</b>	4.73	13.21	4.56	0.51	7.80	3.22	4.91
<b>2018</b>	4.74	13.99	4.56	0.56	7.94	2.90	4.97
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	110.05	14.24	95.81	#	#	18.72	91.33
<b>2009</b>	140.18	14.42	125.75	#	#	20.52	119.66
<b>2010</b>	172.49	15.08	157.41	#	#	21.93	150.57
<b>2011</b>	225.25	15.35	209.90	#	#	22.64	202.62
<b>2012</b>	245.48	15.75	229.73	#	#	24.06	221.43
<b>2013</b>	221.64	15.13	206.51	#	#	21.39	200.25
<b>2014</b>	226.84	15.41	211.43	#	#	19.41	207.43
<b>2015</b>	237.99	15.16	222.84	#	#	19.10	218.89
<b>2016</b>	236.29	14.86	221.43	#	#	18.44	217.86
<b>2017</b>	257.76	14.68	243.08	#	#	17.90	239.86
<b>2018</b>	254.49	14.14	240.35	#	#	16.91	237.58

# : Rural -Urban breakup of population not available

Source - DOT compiled Data



## 22. Mumbai

<b>Telecom Subscribers (Millions)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	16.32	2.69	13.63	0.00	16.32	4.03	12.29
<b>2009</b>	22.11	2.88	19.23	0.00	22.11	4.47	17.64
<b>2010</b>	29.43	2.95	26.48	0.00	29.43	4.65	24.78
<b>2011</b>	37.79	2.99	34.80	0.00	37.79	4.75	33.04
<b>2012</b>	39.29	3.01	36.28	0.00	39.29	4.84	34.45
<b>2013</b>	33.36	2.99	30.37	0.13	33.23	4.27	29.09
<b>2014</b>	33.95	3.06	30.89	0.35	33.61	3.00	30.95
<b>2015</b>	33.73	3.06	30.67	0.68	33.06	3.14	30.59
<b>2016</b>	34.84	3.04	31.80	0.84	34.00	3.13	31.71
<b>2017</b>	39.62	3.04	36.58	1.40	38.23	3.16	36.46
<b>2018</b>	39.51	2.99	36.52	1.85	37.66	3.09	36.42
<b>Percentage Share to Total Subscribers in India (%)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	5.43	6.81	5.22	0.00	7.28	5.06	5.56
<b>2009</b>	5.15	7.59	4.91	0.00	7.22	4.99	5.19
<b>2010</b>	4.74	7.97	4.53	0.00	7.00	4.39	4.81
<b>2011</b>	4.47	8.61	4.29	0.00	6.70	3.77	4.59
<b>2012</b>	4.13	9.36	3.95	0.00	6.33	3.72	4.20
<b>2013</b>	3.71	9.88	3.50	0.04	6.05	3.28	3.79
<b>2014</b>	3.64	10.75	3.42	0.09	6.05	2.50	3.81
<b>2015</b>	3.39	11.52	3.16	0.16	5.70	3.13	3.42
<b>2016</b>	3.29	12.05	3.07	0.19	5.56	2.88	3.34
<b>2017</b>	3.32	12.47	3.13	0.28	5.51	2.59	3.40
<b>2018</b>	3.26	13.11	3.07	0.35	5.49	2.34	3.37
<b>Teledensity (per 100 Inhabitants)</b>							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>2008</b>	83.48	13.74	69.74	#	#	20.61	62.87
<b>2009</b>	110.52	14.40	96.12	#	#	22.34	88.18
<b>2010</b>	143.71	14.38	129.33	#	#	22.70	121.01
<b>2011</b>	180.44	14.29	166.16	#	#	22.70	157.75
<b>2012</b>	187.62	14.37	173.25	#	#	23.11	164.50
<b>2013</b>	152.44	13.64	138.80	#	#	19.52	132.92
<b>2014</b>	151.90	13.71	138.19	#	#	13.44	138.45
<b>2015</b>	147.81	13.42	134.39	#	#	13.77	134.04
<b>2016</b>	149.60	13.05	136.55	#	#	13.45	136.16
<b>2017</b>	166.77	12.80	153.96	#	#	13.30	153.47
<b>2018</b>	163.01	12.34	150.67	#	#	12.73	150.28

# : Rural -Urban breakup of population not available

Source - DOT compiled Data



# *IV – 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**

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

Source: DOT

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

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

Source: DOT

**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%

Source : DOT



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

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

# *V – Operator Wise Statistics*



**Table 1 - Number of Subscribers (Public & Private Sector Operators) (Million)**

<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
<b>2018</b>	131.66	1080.14	1211.80

Source - DOT Compiled Data

**Table 2 - Share of Public & Private Sector Operators in Total Subscribers (%)**

<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
<b>2018</b>	10.86	89.14

Source - DOT Compiled Data

**Table 3 - PSU Telecom Subscribers in India (2008-2018)**

<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
<b>2018</b>	124.75	6.90

Source - DOT Compiled Data

**Table 4 - PSU Operators' percent share to Total (All Operators) (2008-2018)**

<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
<b>2018</b>	10.29	0.57

Source - DOT Compiled Data

**Table 5 - Subscribers of Private Operators in India (2008-2018)**

														(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
2008	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
2009	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
2010	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
2011	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
2012	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
2013	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
2014	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
2015	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
2016	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
2017	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
2018	308.12	1.11	186.56	222.92	33.07	211.21	78.92	0.00	0.24	0.00	37.98	0.00	0.00	0.00

Note: Aircel mobile data is till February 2018  
Source - DOT Compiled Data

**Table 6 - Private Operators' Subscriber percent share to Total (All Operators) (2008-2018)**

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
2008	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
2009	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
2010	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
2011	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
2012	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
2013	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
2014	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
2015	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
2016	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
2017	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
2018	25.43	0.09	15.40	18.40	2.73	17.43	6.51	0.00	0.02	0.00	3.13	0.00	0.00	0.00

Note: Aircel mobile data is till February 2018  
Source - DOT Compiled Data





# *VI – Revenue*



**Table 1 - Revenue from Telecom Services (₹ crores) (2007-2018)**

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	15615.00	-	-
<b>2018</b>	62198.26	35697.24	25448.09	71.62	-	-	-

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

Source- \* : Performance Indicator Reports of TRAI

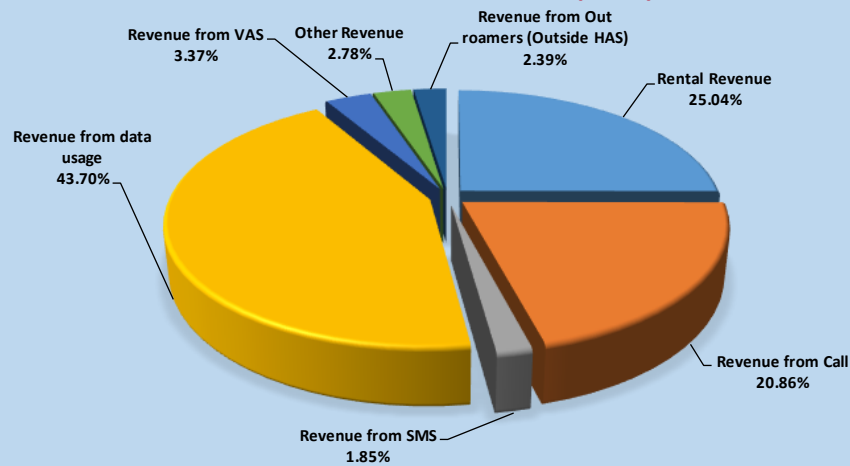
@ : Annual Reports of DOT

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

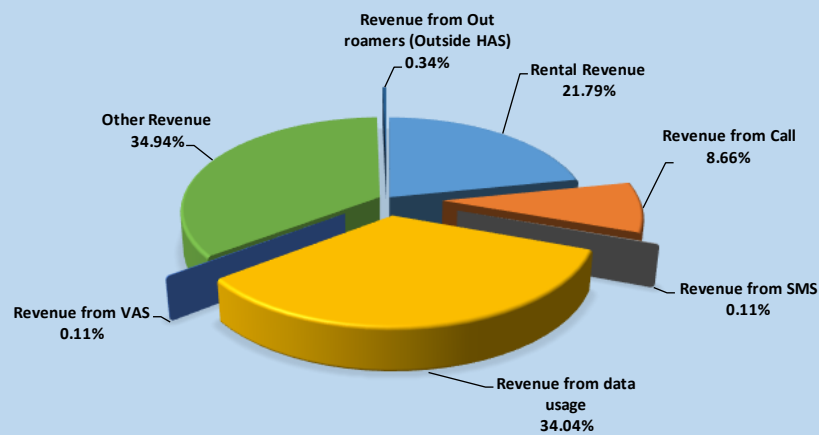
S.No.	Item	2017		2018		2017		2018	
		GSM Service	%age share	GSM Service	%age share	CDMA Full Mobility Service	%age share	CDMA Full Mobility Service	%age share
1	Rental Revenue	19.63	21.51	22.95	25.04	18.17	15.35	28.59	21.79
2	Revenue from Call	32.08	35.14	19.12	20.86	24.14	20.39	11.36	8.66
3	Revenue from SMS	2.02	2.21	1.70	1.85	0.37	0.31	0.15	0.11
4	Revenue from data usage	27.50	30.13	40.05	43.70	64.46	54.46	44.66	34.04
5	Revenue from VAS	3.95	4.33	3.09	3.37	1.18	1.00	0.14	0.11
6	Other Revenue	2.32	2.54	2.55	2.78	8.99	7.59	45.84	34.94
7	Revenue from Out roamers (Outside HAS)	3.77	4.13	2.19	2.39	1.06	0.90	0.45	0.34
8	Total Revenue from subscribers	91.28	100.00	91.65	100.00	118.37	100.00	131.19	100.00

Source: TRAI

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



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



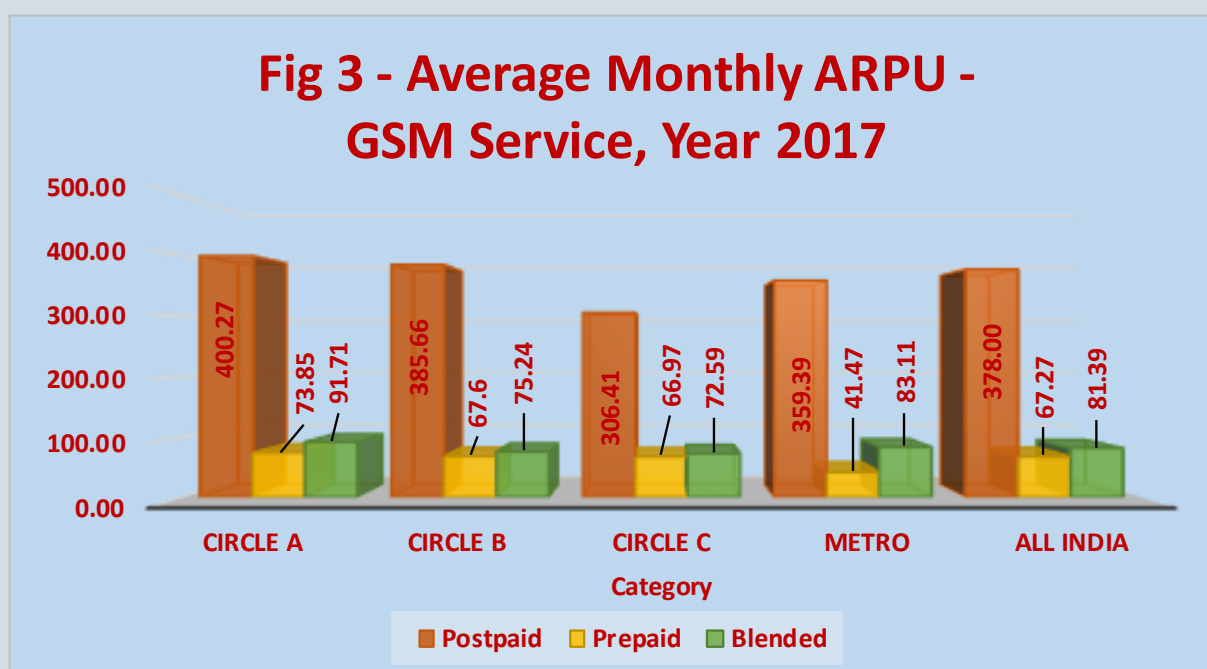
**Table 3 - Average Monthly ARPU - GSM Service**

Category	Postpaid			Prepaid			Blended		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
<b>Circle A</b>	483.43	478.42	400.27	112.88	109.57	73.85	132.5	131.04	91.71
<b>Circle B</b>	460.58	465.63	385.66	101.43	95.96	67.6	110.37	105.64	75.24
<b>Circle C</b>	474.79	448.23	306.41	97.17	92.53	66.97	103.94	99.55	72.59
<b>Metro</b>	521.68	500.89	359.39	113.77	100.95	41.47	169.25	157.66	83.11
<b>All India</b>	488.88	480.11	378.00	105.88	100.6	67.27	122.88	118.65	81.39

Note: Categories assigned to circles' have been defined in Annexure-II

Source: TRAI

**Fig 3 - Average Monthly ARPU - GSM Service, Year 2017**



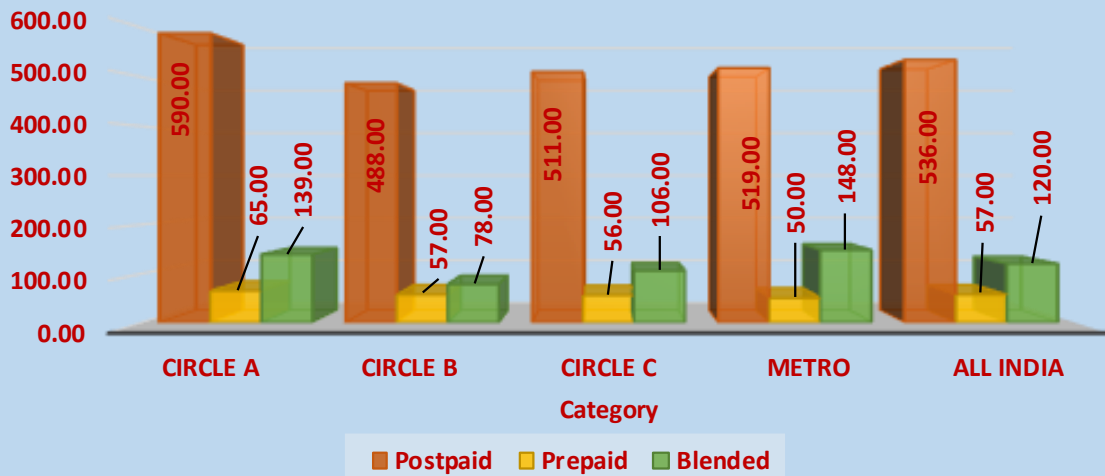
**Table 4 - Average Monthly ARPU - CDMA Full Mobile Service**

Category	Postpaid			Prepaid			Blended		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
Circle A	469.00	502.40	590.00	68.80	70.40	65.00	131.70	136.60	139.00
Circle B	455.90	492.40	488.00	50.70	53.20	57.00	75.50	79.60	78.00
Circle C	434.50	477.00	511.00	35.80	33.70	56.00	54.20	63.40	106.00
Metro	564.60	563.50	519.00	54.10	54.30	50.00	134.00	144.30	148.00
All India	503.00	525.80	536.00	55.10	57.10	57.00	106.30	114.00	120.00

Note: Categories assigned to circles' have been defined in Annexure-II

Source: TRAI

**Fig 4 - Average Monthly ARPU - CDMA FULL MOPBILE Service, Year 2017**



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





### LSA-wise Total BTS Count (as on 01-July-2018)

Sr.	LSA	GSM	3G	4G-LTE	Total
1	Andhra Pradesh	44011	23405	70272	137688
2	Assam	14026	7091	17016	38133
3	Bihar	39789	12285	46862	98936
4	Chennai	13786	10049	21579	45414
5	Delhi	23124	22269	46231	91624
6	Gujarat	33088	24003	58554	115645
7	Himachal Pradesh	5137	3314	8906	17357
8	Haryana	12490	10461	21784	44735
9	Jammu & Kashmir	10033	5232	14880	30145
10	Karnataka	37499	21645	64965	124109
11	Kolkata	12006	11206	19318	42530
12	Kerala	25476	21427	41624	88527
13	Mumbai	16021	8949	29888	54858
14	Maharashtra	47013	30225	72296	149534
15	Madhya Pradesh	33787	15998	56120	105905
16	North-East	9305	4659	10222	24186
17	Odisha	18951	7115	23340	49406
18	Punjab	21185	16744	40429	78358
19	Rajasthan	30475	17632	49599	97706
20	Tamil Nadu	34433	20003	51249	105685
21	Uttar Pradesh (East)	42602	21991	56675	121268
22	Uttar Pradesh(West)	31304	19044	47739	98087
23	West Bengal	26099	12040	35867	74006
<b>Grand Total</b>		<b>581640</b>	<b>346787</b>	<b>905415</b>	<b>1833842</b>

Source: TERM Cell, DoT



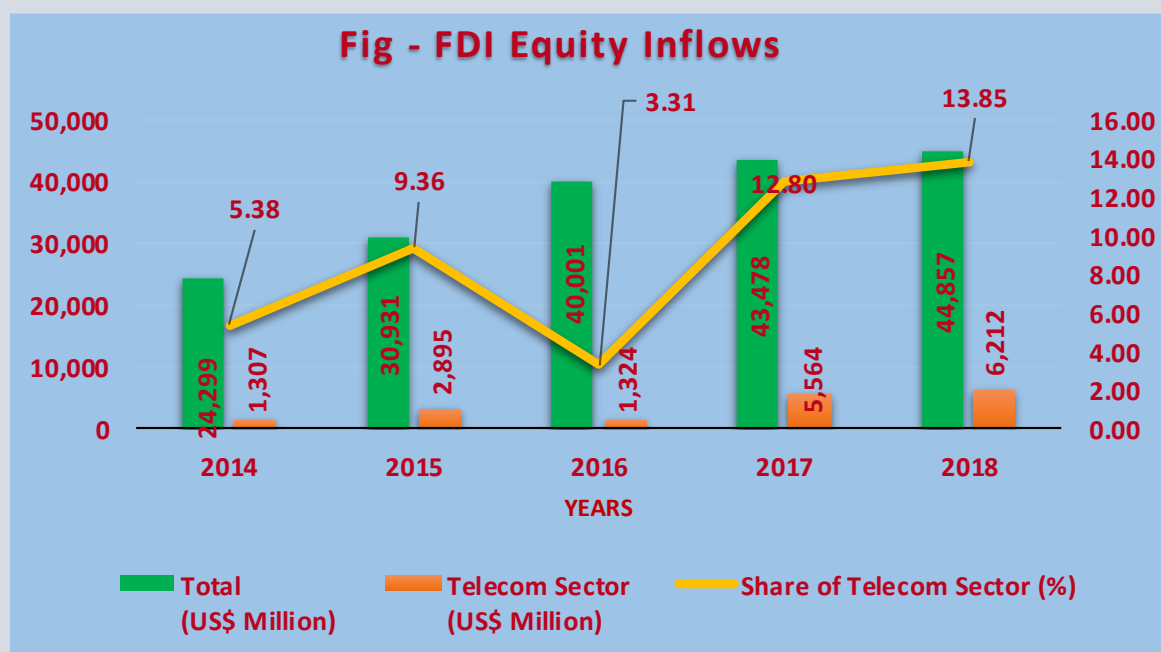
# *VIII – Foreign Direct Investment (FDI)*



**Table - 1 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
2018	44,857	6,212	13.85

Source - DIPP



**Table 2 - Country-wise FDI Inflow( in Million US\$) from 2000-2018:  
Top Twenty Countries and their %age share**

S.No.	Country	2000-2012 Jan-Dec	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec	2016 Jan-Dec	2017 Jan-Dec	2018 Jan-Dec
1	Mauritius	71,808.95 (36.95%)	5,722.39 (25.97%)	7,073.12 (24.57%)	9,242.80 (23.5%)	15069.46 (32.48%)	16,256.73 (37.31%)	4086.61 (18.86%)
2	Singapore	18,792.56 (9.67%)	3,874.14 (17.58%)	7,092.38 (24.64%)	13,414.32 (34.11%)	9822.18 (21.17%)	10,808.82 (24.81%)	9486.01 (43.78%)
3	Japan	14,019.20 (7.21%)	1,420.73 (6.45%)	2,335.02 (8.11%)	1,739.42 (4.42%)	5781.17 (12.46%)	1,722.89 (3.95%)	1221.62 (5.64%)
4	United Kingdom	17,103.65 (8.8%)	3,606.48 (16.37%)	1,096.32 (3.81%)	920.45 (2.34%)	1660.86 (3.58%)	936.74 (2.15%)	775.09 (3.58%)
5	Netherlands	8,468.13 (4.36%)	2,112.94 (9.59%)	3,253.58 (11.3%)	3,003.32 (7.64%)	2996.17 (6.46%)	3,250.52 (7.46%)	1253.49 (5.79%)
6	USA	11,111.90 (5.72%)	771.90 (3.5%)	1,663.45 (5.78%)	3,855.07 (9.8%)	2621.22 (5.65%)	2,183.16 (5.01%)	698.35 (3.22%)
7	Germany	5,133.46 (2.64%)	1,014.86 (4.61%)	1,151.57 (4.0%)	1,144.47 (2.91%)	1102.76 (2.38%)	1,173.69 (2.69%)	280.18 (1.29%)
8	Cyprus	6,799.76 (3.5%)	469.60 (2.13%)	657.39 (2.28%)	517.52 (1.32%)	667.4 (1.44%)	377.02 (.87%)	123.54 (.57%)
9	France	3,407.21 (1.75%)	441.37 (2.0%)	612.07 (2.13%)	428.77 (1.09%)	650.19 (1.4%)	651.74 (1.5%)	115.49 (.53%)
10	UAE	2,362.04 (1.22%)	283.94 (1.29%)	279.28 (.97%)	521.88 (1.33%)	1196.82 (2.58%)	689.02 (1.58%)	508.37 (2.35%)
11	Switzerland	2,316.32 (1.19%)	282.19 (1.28%)	367.89 (1.28%)	270.54 (.69%)	433.46 (.93%)	509.25 (1.17%)	248.81 (1.15%)
12	Hongkong	1,021.03 (.53%)	176.99 (.8%)	90.34 (.31%)	567.60 (1.44%)	185.11 (.4%)	999.08 (2.29%)	201.8 (.93%)
13	South Korea	1,215.66 (.63%)	165.42 (.75%)	136.60 (.47%)	244.31 (.62%)	434.86 (.94%)	362.60 (.83%)	547.91 (2.53%)
14	Cayman Islands	868.47 (.45%)	31.70 (.14%)	121.68 (.42%)	237.96 (.61%)	328.01 (.71%)	984.43 (2.26%)	270 (1.25%)
15	Spain	1,412.48 (.73%)	362.03 (1.64%)	256.52 (.89%)	139.60 (.35%)	153.8 (.33%)	264.50 (.61%)	178.2 (.82%)
16	Italy	1,242.50 (.64%)	174.50 (.79%)	231.59 (.8%)	234.57 (.6%)	461.94 (1.0%)	323.69 (.74%)	70.55 (.33%)
17	Luxembourg	459.10 (.24%)	72.09 (.33%)	634.09 (2.2%)	780.96 (1.99%)	213.15 (.46%)	281.66 (.65%)	195.94 (.9%)
18	China	240.89 (.12%)	72.15 (.33%)	140.79 (.49%)	868.99 (2.21%)	288.85 (.62%)	165.28 (.38%)	281.53 (1.3%)
19	Canada	423.23 (.22%)	12.64 (.06%)	82.64 (.29%)	83.19 (.21%)	311.2 (.67%)	222.37 (.51%)	490 (2.26%)
20	Sweden	981.55 (.51%)	47.73 (.22%)	51.93 (.18%)	105.59 (.27%)	84.51 (.18%)	159.98 (.37%)	54.57 (.25%)
<b>Total FDI</b>		<b>1,94,362.30</b>	<b>22,037.56</b>	<b>28,784.62</b>	<b>39,327.93</b>	<b>46,402.85</b>	<b>43,574.79</b>	<b>21,667.59</b>

Source : DIPP SIA FDI Newsletter, July,2018

**Table 3 - Sector-wise FDI Inflow ( in million of USD) from 2000 to 2018:  
Top Ten Sectors and their %age share**

S.No.	Sector	2000-2012	2013	2014	2015	2016	2017	2018
		Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
1	Computer Software & Hardware	11,642.16 (5.99%)	613.64 (2.78%)	1,557.18 (5.41%)	6,630.72 (16.86%)	2412.28 (5.2%)	6,993.81 (16.05%)	2404.76 (11.1%)
2	Telecommunications	12,625.27 (6.5%)	315.02 (1.43%)	3,894.98 (13.53%)	1,297.00 (3.3%)	5791.53 (12.48%)	6,160.52 (14.14%)	1669.3 (7.7%)
3	Service Sector	36,468.97 (18.76%)	2,376.27 (10.78%)	2,931.37 (10.18%)	6,405.42 (16.29%)	10184.23 (21.95%)	5,751.50 (13.2%)	4520.8 (20.86%)
4	Construction Activities (Infrastructure)	21,834.47 (11.23%)	1,159.74 (5.26%)	1,018.66 (3.54%)	166.99 (.42%)	106.7 (.23%)	387.39 (.89%)	191.42 (.88%)
5	Trading	3,651.97 (1.88%)	711.64 (3.23%)	2,855.17 (9.92%)	3,549.04 (9.02%)	3128.75 (6.74%)	2,611.98 (5.99%)	3699.11 (17.07%)
6	Automobile Industry	7,717.94 (3.97%)	1,604.95 (7.28%)	2,227.68 (7.74%)	2,924.67 (7.44%)	2199.81 (4.74%)	1,895.08 (4.35%)	877.42 (4.05%)
7	Chemicals( other than Fertilizers)	8,769.86 (4.51%)	612.18 (2.78%)	839.88 (2.92%)	1,416.87 (3.6%)	1055.5 (2.27%)	1,746.40 (4.01%)	957.6 (4.42%)
8	Power	7,866.91 (4.05%)	559.51 (2.54%)	1,092.67 (3.8%)	781.49 (1.99%)	1179.66 (2.54%)	1,529.71 (3.51%)	1212.07 (5.59%)
9	Non-conventional Energy	1,951.77 (1.%)	928.07 (4.21%)	610.37 (2.12%)	695.03 (1.77%)	870.4 (1.88%)	1,200.30 (2.75%)	582.9 (2.69%)
10	Drug & Pharmaceuticals	9,824.60 (5.05%)	1,800.38 (8.17%)	1,229.33 (4.27%)	633.80 (1.61%)	1089.76 (2.35%)	1,048.70 (2.41%)	243.48 (1.12%)
<b>Total FDI</b>		<b>1,94,362.30</b>	<b>22,037.56</b>	<b>28,784.62</b>	<b>39,327.93</b>	<b>46,402.85</b>	<b>43,574.79</b>	<b>21,667.59</b>

Source : DIPP SIA FDI Newsletter, July,2018





# *IX – Export - Import*



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

Year	Total Electronics* (In Million US\$)	TELECOM INSTRUMENTS (In Million US\$)	% Growth of Total Electronics	% Growth of TELECOM INSTRUMENTS	% Share of Telecom Instruments
2010-11	8214	3376	89.9	50.7	41.1
2011-12	8848	3986	7.7	18.1	45.0
2012-13	8053	3640	-9.0	-8.7	45.2
2013-14	7635	3057	-5.2	-16.0	40.0
2014-15	6009	1073	-21.3	-64.9	17.9
2015-16	5690	876	-5.3	-18.4	15.4
2016-17	5689	1044	0.0	19.2	18.4
2017-17	6070	1202	6.7	15.1	19.8

**Import Composition**

Year	Total Electronics* (In Million US\$)	TELECOM INSTRUMENTS (In Million US\$)	% Growth of Total Electronics	% Growth of TELECOM INSTRUMENTS	% Share of Telecom Instruments
2010-11	27950	11449	33.6	25.8	41.0
2011-12	34130	11165	22.1	-2.5	32.7
2012-13	32893	10129	-3.6	-9.3	30.8
2013-14	32384	11220	-1.5	10.8	34.6
2014-15	36857	14697	13.8	31.0	39.9
2015-16	40022	15403	8.6	4.8	38.5
2016-17	41930	16572	4.8	7.6	39.5
2017-18	51538	21848	22.9	31.8	42.4

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

Source - DGCI&S

**Table 2 - India's Export By Telecom Equipment\* From April 2017 To March 2018**

S.No.	Hs Code	Commodity	Unit	April 2017 To March 2018 Qty	April 2017 To March 2018 Value (₹)	April 2017 To March 2018 Value (US\$)
1	85171110	PUSH BUTTON TYPE	NOS	52826	58847387	913532
2	85171190	OTHERS	NOS	180253	248422521	3853514
3	85171210	PUSH BUTTON TYPE	NOS	97867	166939596	2586678
4	85171290	OTHER	NOS	2147731	13505108754	209412079
5	85171810	PUSH BUTTON TYPE	NOS	16052	82471269	1279448
6	85171890	OTHER	NOS	513420	559656181	8698445
7	85176100	BASE STATIONS	NOS	19383	872872167	13541487
8	85176210	PLCC EQUIPMENT	NOS	6078	267961218	4147595
9	85176220	VOICE FREQUENCY TELEGRAPHY	NOS	10503	128083952	1987165
10	85176230	MODEMS (MODULATORS-DEMODULATORS)	NOS	112042	391882576	6111212
11	85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	NOS	610	1386156	21507
12	85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	NOS	682	60881686	943108
13	85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	NOS	1179	60927021	937043
14	85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	NOS	15066	1289235396	20015726
15	85176290	OTHER	NOS	1896510	31392006378	486757208
16	85176910	ISDN TERMINALS	NOS	2955	11924139	184430
17	85176920	ISDN TERMINAL ADAPTERS	NOS	612	6650998	103602
18	85176930	ROUTERS	NOS	265291	629761982	9769118
19	85176950	SUBSCRIBER END EQUIPMENT	NOS	616	9635332	150178
20	85176960	SET TOP BOXES FOR ACCESSING INTERNET	NOS	52483	30012365	466838
21	85176970	ATTACHMENTS FOR TELEPHONES	NOS	17486	15110763	234139
22	85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	NOS	299816	5158697830	80030679
23	85177010	POPLTD, LOADED OR STUFFD PRNTD CRCUIT BRDS	NOS	2585603	2859268861	44369001
24	85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	KGS	4090599	13802873570	214084165
25	85256011	WALKIE TALKIE SET	NOS	1938	26468441	411620
26	85256012	MARINE RADIO COMMUNICATION EQPMNT	NOS	4	360685	5631
27	85256019	CORDLESS HANDSET	NOS	4008	269807607	4191326
28	85256091	VSAT TERMINALS	NOS	350	5929458	92146
29	85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	NOS	35	9877484	153466
30	85256099	OTHERS	NOS	13760	553661522	8590169
31	85441930	RUBBER INSULATED WINDING WIRE	MTR	423108	18658331	290049
32	85444910	PAPR INSLTD CNDCTRS FR <=1000 V NOT FITTED WITH CONNECTORS	MTR	991089	19283729	299074
33	85444920	PLSTIC INSLTD CNDCTRS FR <= 1000V NOT FITTED WITH CONNECTORS	MTR	31432585	974181296	15121651
34	85444930	RUBBER INSLTD CNDCTRS FR <= 1000V USED FOR NOT FITTED WITH	MTR	20323493	559706584	8684674
35	85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	321441	30501156	475254
36	85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	62121604	1437751475	22299007
37	85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	525740	16183103	250024
38	85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	MTR	419897731	16330907662	253368979
39	90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	KGS	1936034	3314229577	51410673
40	90304000	OTHR INSTRMNTS AND APRTS,SPCLY DSGND FR TELECOMMUNICATIO	NOS	116533	8608315892	133497147
<b>Total</b>				<b>550495116</b>	<b>103786442100</b>	<b>1609738787</b>

Source: DGCI&S \* -Based on Commodity Description at 8 Digit its code

**Table 3 - India's Import of Telecom Equipment\* From April 2017 To March 2018 (As on 01.06.2018)**

S.No.	Hs Code	Commodity	Unit	April 2017 To March 2018 Qty	April 2017 To March 2018 Value (₹)	April 2017 To March 2018 Value (US\$)
1	85171110	PUSH BUTTON TYPE	NOS	769629	502467118	7803026
2	85171190	OTHERS	NOS	1175450	1103296291	17121821
3	85171210	PUSH BUTTON TYPE	NOS	37677705	60183134374	934791903
4	85171290	OTHER	NOS	52842592	1.67696E+11	2602501786
5	85171810	PUSH BUTTON TYPE	NOS	305940	201833391	3130795
6	85171890	OTHER	NOS	1070625	1788468410	27752258
7	85176100	BASE STATIONS	NOS	176511	24236522050	375877018
8	85176210	PLCC EQUIPMENT	NOS	4432	498792060	7754260
9	85176220	VOICE FREQUENCY TELEGRAPHY	NOS	1146	21940249	340191
10	85176230	MODEMS (MODULATORS-DEMULATORS)	NOS	2400509	4937716032	76561410
11	85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	NOS	1921	56128443	869298
12	85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	NOS	14325	184856523	2866315
13	85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	NOS	12183	368611898	5710499
14	85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	NOS	101508	929981699	14440688
15	85176290	OTHER	NOS	24710321	2.63879E+11	4092514721
16	85176910	ISDN TERMINALS	NOS	2662	305383387	4737419
17	85176920	ISDN TERMINAL ADAPTERS	NOS	43789	20745628	321799
18	85176930	ROUTERS	NOS	12490151	34449227168	534659537
19	85176950	SUBSCRIBER END EQUIPMENT	NOS	528558	1172173583	18185352
20	85176960	SET TOP BOXES FOR ACCESSING INTERNET	NOS	6123188	6401492925	99270999
21	85176970	ATTACHMENTS FOR TELEPHONES	NOS	587387	312225612	4844337
22	85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	NOS	12796778	42680153728	662071041
23	85177010	POPLTD, LOADED OR STUFFD PRNTD CRUIT BRDS	NOS	311897026	3.13043E+11	4855720064
24	85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	KGS	108281674	4.32231E+11	6707403682
25	85256011	WALKIE TALKIE SET	NOS	185930	1592542822	24709742
26	85256012	MARINE RADIO COMMUNICATION EQPMNT	NOS	17814	201676315	3120145
27	85256019	CORDLESS HANDSET	NOS	5594	102323055	1583077
28	85256091	VSAT TERMINALS	NOS	12172	98809829	1527674
29	85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	NOS	2248	126836002	1952387
30	85256099	OTHERS	NOS	13760	553661522	8590169
31	85441930	RUBBER INSULATED WINDING WIRE	MTR	423108	18658331	290049
32	85444910	PAPR INSLTD CNDCTRS FR <=1000 V NOT FITTED WITH CONNECTORS	MTR	991089	19283729	299074
33	85444920	PLSTIC INSLTD CNDCTRS FR <= 1000V NOT FITTED WITH CONNECTORS	MTR	31432585	974181296	15121651
34	85444930	RUBBER INSLTD CNDCTRS FR <= 1000V USED FOR NOT FITTED WITH	MTR	20323493	559706584	8684674
35	85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	321441	30501156	475254
36	85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	62121604	1437751475	22299007
37	85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	525740	16183103	250024
38	85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	MTR	419897731	16330907662	253368979
39	90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	KGS	1936034	3314229577	51410673
40	90304000	OTHR INSTRMNTS AND APRTS,SPCLY DSGND FR TELECOMMUNICATIO	NOS	116533	8608315892	133497147
<b>Total</b>				<b>1112342886</b>	<b>1391189762810</b>	<b>21584429945</b>

Source: DGCI&S \* -Based on Commodity Description at 8 Digit HS code



# *X – 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	23	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	2	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	1169	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	85	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
<b>2005</b>	220	148	71	1	0	1	80	2	66	66
<b>2006</b>	284	188	96	2	0	2	103	4	89	81
<b>2007</b>	346	219	127	3	1	3	122	6	111	98
<b>2008</b>	411	250	161	5	1	4	151	12	125	112
<b>2009</b>	468	271	197	8	1	6	183	17	136	120
<b>2010</b>	526	291	236	11	1	7	214	22	145	131
<b>2011</b>	598	313	285	13	2	8	253	26	157	145
<b>2012</b>	649	328	321	15	2	10	279	31	163	155
<b>2013</b>	692	343	349	15	3	12	299	36	171	164
<b>2014</b>	731	354	377	16	3	14	320	38	177	171
<b>2015</b>	842	370	472	17	3	16	408	42	184	181
<b>2016</b>	917	382	535	19	4	18	463	44	190	190
<b>2017*</b>	979	392	588	18	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	1	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	422	213	173	1813	191	501	662

Source- ITU Website, (<sup>@</sup>TRAI) \*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	33	22	44	44	68	80	66

Source- ITU Website, (@TRAI) *\*Estimated*



**Table 9 - ICT Development Index (IDI 2017) -  
India's Profile at a Glance**

<b>Region</b>	<b>Asia-Pacific Developing</b>	Population (in million)	1297.07
GNI per capita	1680	Population density (per 100 inhabitants)	409.58
IDI 2017 Rank	134/176	IDI 2016 Rank	138
IDI 2017 value	3.03	IDI 2016value	2.65
Regional IDI 2017 Rank	25		
<b>IDI ACCESS SUB-INDEX</b>	3.6	<b>IDI USE SUB-INDEX</b>	1.62
Fixed -telepho- ne subscription per 100 inhabitants	1.88	Percentage of individuals using the Internet	29.55
		Fixed(wired)-broadband subscriptions per 100 inhabitants	1.44
Mobile-cellular telephone subscriptions per 100	86.95	Active mobile -broadband subscriptions per 100 inhabitants	16.76
International internet bandwidth per Internet user (Bit/s	15956.28		
Percentage of households with computer	15.2	<b>IDI SKILLS SUB-INDEX</b>	4.73
Percentage of households with Internet access	22.64	Mean years of schooling	6.3
		Secondary gross enrolment ratio	74.28
		Tertiary gross enrolment ratio	25.54

**Source : ITU**

**Table 10 - IDI rankings and values, 2017 and 2016**

S.No.	Economy	Rank 2017	IDI 2017	Rank 2016	IDI 2016
1	Iceland	1	8.98	2	8.78
2	Korea (Rep.)	2	8.85	1	8.8
3	Switzerland	3	8.74	4	8.66
4	Denmark	4	8.71	3	8.68
5	United Kingdom	5	8.65	5	8.53
6	Hong Kong, China	6	8.61	6	8.47
7	Netherlands	7	8.49	10	8.4
8	Norway	8	8.47	7	8.45
9	Luxembourg	9	8.47	9	8.4
10	Japan	10	8.43	11	8.32
11	Sweden	11	8.41	8	8.41
12	Germany	12	8.39	13	8.2
13	New Zealand	13	8.33	12	8.23
14	Australia	14	8.24	16	8.08
15	France	15	8.24	17	8.05
16	United States	16	8.18	15	8.13
17	Estonia	17	8.14	14	8.16
18	Singapore	18	8.05	20	7.85
19	19. Monaco	19	8.05	18	8.03
20	Ireland	20	8.02	19	7.9
21	Austria	21	8.02	24	7.7
22	Finland	22	7.88	21	7.83
23	Israel	23	7.88	22	7.71
24	Malta	24	7.86	25	7.65
25	Belgium	25	7.81	23	7.7
26	Macao, China	26	7.8	29	7.55
27	Spain	27	7.79	27	7.61
28	Cyprus	28	7.77	31	7.3
29	Canada	29	7.77	26	7.64
30	Andorra	30	7.71	28	7.58
31	Bahrain	31	7.6	30	7.46
32	Belarus	32	7.55	32	7.29
33	Slovenia	33	7.38	33	7.2
34	Barbados	34	7.31	37	7.11
35	Latvia	35	7.26	40	7.05
36	Croatia	36	7.24	42	6.96
37	St. Kitts and Nevis	37	7.24	35	7.18
38	Greece	38	7.23	38	7.08
39	Qatar	39	7.21	36	7.12
40	United Arab Emirates	40	7.21	34	7.18
41	Lithuania	41	7.19	41	6.97
42	Uruguay	42	7.16	48	6.75
43	Czech Republic	43	7.16	39	7.06
44	Portugal	44	7.13	44	6.88
45	Russian Federation	45	7.07	43	6.91
46	Slovakia	46	7.06	47	6.84
47	Italy	47	7.04	46	6.84
48	Hungary	48	6.93	49	6.74
49	Poland	49	6.89	50	6.73
50	Bulgaria	50	6.86	53	6.66

Source: ITU

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Contd....

**Table 10 - IDI rankings and values, 2017 and 2016**

<i>Contd...</i>					
S.No.	Economy	Rank 2017	IDI 2017	Rank 2016	IDI 2016
51	Argentina	51	6.79	52	6.68
52	Kazakhstan	52	6.79	51	6.72
53	Brunei Darussalam	53	6.75	54	6.56
54	Saudi Arabia	54	6.67	45	6.87
55	Serbia	55	6.61	55	6.51
56	Chile	56	6.57	59	6.28
57	Bahamas	57	6.51	58	6.29
58	Romania	58	6.48	61	6.23
59	Moldova	59	6.45	63	6.21
60	Costa Rica	60	6.44	57	6.29
61	Montenegro	61	6.44	56	6.3
62	Oman	62	6.43	64	6.14
63	Malaysia	63	6.38	62	6.22
64	Lebanon	64	6.3	65	6.09
65	Azerbaijan	65	6.2	60	6.25
66	Brazil	66	6.12	67	5.89
67	Turkey	67	6.08	72	5.66
68	Trinidad & Tobago	68	6.04	71	5.71
69	TFYR Macedonia	69	6.01	68	5.88
70	Jordan	70	6	66	5.97
71	Kuwait	71	5.98	70	5.75
72	Mauritius	72	5.88	75	5.51
73	Grenada	73	5.8	77	5.39
74	Georgia	74	5.79	73	5.59
75	Armenia	75	5.76	74	5.56
76	Antigua & Barbuda	76	5.71	76	5.48
77	Dominica	77	5.69	69	5.76
78	Thailand	78	5.67	79	5.31
79	Ukraine	79	5.62	78	5.31
80	China	80	5.6	83	5.17
81	Iran (I.R.)	81	5.58	85	5.04
82	St. Vincent & the Grenadines	82	5.54	80	5.27
83	Bosnia and Herzegovina	83	5.39	81	5.23
84	Colombia	84	5.36	84	5.12
85	Maldives	85	5.25	86	4.97
86	Venezuela	86	5.17	82	5.22
87	Mexico	87	5.16	90	4.87
88	Suriname	88	5.15	94	4.77
89	Albania	89	5.14	89	4.9
90	Seychelles	90	5.03	92	4.8
91	Mongolia	91	4.96	87	4.91
92	South Africa	92	4.96	88	4.91
93	Cape Verde	93	4.92	91	4.83
94	Panama	94	4.91	93	4.8
95	Uzbekistan	95	4.9	103	4.48
96	Peru	96	4.85	97	4.61
97	Ecuador	97	4.84	101	4.52
98	Jamaica	98	4.84	96	4.63
99	Tunisia	99	4.82	95	4.7
100	Morocco	100	4.77	98	4.57

Source: ITU

*Contd....*

**Table 10 - IDI rankings and values, 2017 and 2016**

S.No.	Economy	Contd...			
		Rank 2017	IDI 2017	Rank 2016	IDI 2016
101	Philippines	101	4.67	100	4.52
102	Algeria	102	4.67	106	4.32
103	Egypt	103	4.63	104	4.44
104	St. Lucia	104	4.63	99	4.53
105	Botswana	105	4.59	102	4.51
106	Dominican Rep.	106	4.51	107	4.26
107	Fiji	107	4.49	105	4.34
108	Viet Nam	108	4.43	108	4.18
109	Kyrgyzstan	109	4.37	110	4.06
110	Tonga	110	4.34	109	4.13
111	Indonesia	111	4.33	114	3.85
112	Bolivia	112	4.31	115	3.84
113	Paraguay	113	4.18	111	4.02
114	Gabon	114	4.11	118	3.62
115	Libya	115	4.11	112	3.93
116	Ghana	116	4.05	113	3.88
117	Sri Lanka	117	3.91	116	3.77
118	Namibia	118	3.89	123	3.33
119	El Salvador	119	3.82	117	3.62
120	Belize	120	3.71	120	3.54
121	Bhutan	121	3.69	119	3.58
122	Timor-Leste	122	3.57	127	3.11
123	Palestine	123	3.55	122	3.42
124	Guyana	124	3.44	121	3.44
125	Guatemala	125	3.35	125	3.19
126	Syria	126	3.34	124	3.32
127	Samoa	127	3.3	129	2.95
128	Cambodia	128	3.28	128	3.04
129	Honduras	129	3.28	126	3.14
130	Nicaragua	130	3.27	132	2.85
131	Côte d'Ivoire	131	3.14	134	2.84
132	S. Tomé & Príncipe	132	3.09	131	2.91
133	Lesotho	133	3.04	130	2.94
134	<b>India</b>	<b>134</b>	<b>3.03</b>	<b>138</b>	<b>2.65</b>
135	Myanmar	135	3	140	2.59
136	Zimbabwe	136	2.92	133	2.85
137	Cuba	137	2.91	135	2.8
138	Kenya	138	2.91	137	2.67
139	Lao P.D.R.	139	2.91	144	2.43
140	Nepal	140	2.88	139	2.6
141	Vanuatu	141	2.81	136	2.75
142	Senegal	142	2.66	142	2.48
143	Nigeria	143	2.6	143	2.44
144	Gambia	144	2.59	145	2.43
145	Sudan	145	2.55	141	2.56
146	Zambia	146	2.54	149	2.19
147	Bangladesh	147	2.53	146	2.37
148	Pakistan	148	2.42	148	2.21
149	Cameroon	149	2.38	150	2.14
150	Mozambique	150	2.32	147	2.23

Source: ITU

Contd....

**Table 10 - IDI rankings and values, 2017 and 2016**

					<i>Contd...</i>
S.No.	Economy	Rank 2017	IDI 2017	Rank 2016	IDI 2016
151	Mauritania	151	2.26	152	2.08
152	Uganda	152	2.19	158	1.9
153	Rwanda	153	2.18	151	2.1
154	Kiribati	154	2.17	155	2.04
155	Mali	155	2.16	153	2.05
156	Togo	156	2.15	159	1.86
157	Solomon Islands	157	2.11	154	2.04
158	Djibouti	158	1.98	161	1.8
159	Afghanistan	159	1.95	165	1.71
160	Angola	160	1.94	156	2
161	Benin	161	1.94	157	1.92
162	Burkina Faso	162	1.9	163	1.74
163	Equatorial Guinea	163	1.86	160	1.82
164	Comoros	164	1.82	162	1.78
165	Tanzania	165	1.81	164	1.73
166	Guinea	166	1.78	166	1.71
167	Malawi	167	1.74	169	1.58
168	Haiti	168	1.72	168	1.63
169	Madagascar	169	1.68	167	1.7
170	Ethiopia	170	1.65	171	1.42
171	Congo (Dem. Rep.)	171	1.55	170	1.48
172	Burundi	172	1.48	172	1.39
173	Guinea-Bissau	173	1.48	173	1.38
174	Chad	174	1.27	174	1.06
175	Central African Rep.	175	1.04	176	0.89
176	Eritrea	176	0.96	175	0.96

*Source: ITU*



# *XI - Update (2018-19)*





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

<b>Parameter</b>	<b>April'18</b>	<b>May'18</b>	<b>June'18</b>	<b>July'18</b>
<b>Total Phones (million)</b>	<b>1226.86</b>	<b>1153.54</b>	<b>1169.01</b>	<b>1179.44</b>
Wireline (million)	22.64	22.51	22.40	22.27
Wireless (million)	1204.22	1131.03	1146.61	1157.17
Rural (million)	533.73	508.30	515.91	520.46
Urban(million)	693.13	645.24	653.10	658.98
Public (million)	131.50	131.85	131.96	132.07
Private(million)	1095.37	1021.68	1037.05	1047.37
Wireline %age to Total Phones	1.85	1.95	1.92	1.89
Wireless %age to Total Phones	98.15	98.05	98.08	98.11
Rural %age to Total Phones	43.50	44.06	44.13	44.13
Urban %age to Total Phones	56.50	55.94	55.87	55.87
Public %age to Total Phones	10.72	11.43	11.29	11.20
Private %age to Total Phones	89.28	88.57	88.71	88.80
<b>Overall Teledensity (%age)</b>	<b>94.34</b>	<b>88.62</b>	<b>89.73</b>	<b>90.45</b>
Wireline Teledensity (%age)	1.74	1.73	1.72	1.71
Wireless Teledensity (%age)	92.60	86.90	88.01	88.74
Rural Teledensity (%age)	60.09	57.19	58.01	58.49
Urban Teledensity (%age)	168.14	156.28	157.95	159.13
Public (%age)	10.11	10.13	10.13	10.13
Private (%age)	84.23	78.49	79.60	80.32
<b>Broadband (million)</b>	<b>419.80</b>	<b>432.00</b>	<b>447.12</b>	<b>460.24</b>

**Table 2 - Summary of the telecom service area-wise performance during 2018-19**

Service Area	March'18	April'18	May'18	June'18	July'18
ANDHRA PRADESH	87241623	87972697	86041407	87132426	87447489
ASSAM	25516825	25946488	20735274	21167817	21533213
BIHAR	88930443	89782944	83006614	84856104	86757474
GUJARAT	73195847	73254343	72021557	72044369	71582535
HARYANA	23885096	26891430	26967918	27419180	27761277
HIMACHAL PRADESH	12578747	9914485	10038773	10209877	10377745
JAMMU & KASHMIR	13839800	14241662	10890338	11163003	11547024
KARNATAKA	69221205	69914000	67903992	68878202	69925268
KERALA	43975326	44346323	44340211	44945671	44974167
MADHYA PRADESH	71471417	72568344	73128238	74595496	75958226
MAHARASHTRA	96334317	96505211	95142369	95877056	96056771
NORTH-EAST	13974925	14516831	11461081	11685884	11875670
ORISSA	34649966	35151325	31688695	32217720	33145196
PUNJAB	39002089	39299898	38811481	39322840	39884712
RAJASTHAN	65840348	66706229	61603897	62591756	63605758
TAMIL NADU	98012845	100432426	82100944	83511141	83249996
UTTAR PRADESH - [East]	104613364	105889423	100258186	101752705	101691377
UTTAR PRADESH - [West]	63791171	64638595	64333647	63893659	64934694
WEST BENGAL	59153123	60267730	56556782	57665459	58835060
KOLKATA	29606310	30322376	26468509	26888086	27177176
DELHI	57453739	58314198	52136504	52807164	53153069
MUMBAI	39507941	39988041	37900004	38382354	37964098
<b>TOTAL</b>	<b>1211796467</b>	<b>1226864999</b>	<b>1153536421</b>	<b>1169007969</b>	<b>1179437995</b>

1 Source: BSNL/MTNL/AUSPI/COAI

**Table 3 - Summary of the Internet Subscribers (Technology-wise) during 2018-19**

<b>Trends of Internet Subscribers (in million)</b>				
<b>Total Internet Subscribers (Includes wired, fixed Wireless and Mobile Wireless)</b>	<b>March'17</b>	<b>June'17</b>	<b>March'18</b>	<b>June'18</b>
	422.18	431.21	412.60	447.12
<b>%age Quarterly Growth</b>	27.29%	2.14%	5.39%	8.37%

<b>Internet Subscriber Base in India - June'18 * (in million)</b>			
<b>Segment</b>	<b>Wired</b>	<b>Wireless</b>	<b>Total Subscribers</b>
<b>Broadband</b>	17.90	429.22	447.12
<b>Narrowband</b>			
<b>Total</b>	17.90	429.22	447.12
<b>* As per the TRAI input</b>			

<b>Broadband Subscribers in India * (In million)</b>			
<b>At the end of</b>	<b>Wired</b>	<b>Wireless</b>	<b>Total Subscribers</b>
<b>March'18</b>	17.95	394.65	412.60
<b>April'18</b>	17.97	401.83	419.80
<b>May'18</b>	17.94	414.06	432.00
<b>June'18</b>	17.90	429.22	447.12
<b>July'18</b>	17.95	442.29	460.24
<b>* As per the TRAI input</b>			

**Table 4 - MOU per subscriber per month - Technology-wise in Quarter Ending March 2018**

<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>	402	354	<b>756</b>	268	238	<b>506</b>	276	245	<b>520</b>
<b>Circle B</b>	414	392	<b>806</b>	276	301	<b>577</b>	279	303	<b>582</b>
<b>Circle C</b>	526	344	<b>870</b>	314	367	<b>681</b>	319	367	<b>686</b>
<b>Metro</b>	399	363	<b>762</b>	400	258	<b>659</b>	400	274	<b>674</b>
<b>All India</b>	<b>412</b>	<b>364</b>	<b>776</b>	<b>290</b>	<b>285</b>	<b>575</b>	<b>295</b>	<b>289</b>	<b>584</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>	66	49	<b>115</b>	11	42	<b>53</b>	24	13	<b>38</b>
<b>Circle B</b>	129	51	<b>180</b>	4	34	<b>38</b>	16	9	<b>25</b>
<b>Circle C</b>	100	43	<b>143</b>	9	61	<b>70</b>	20	10	<b>30</b>
<b>Metro</b>	109	106	<b>215</b>	35	101	<b>136</b>	57	33	<b>90</b>
<b>All India</b>	<b>98</b>	<b>83</b>	<b>181</b>	<b>21</b>	<b>69</b>	<b>90</b>	<b>39</b>	<b>22</b>	<b>61</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

Sl. No.	Name of Service Area	Areas covered
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.

**Annexure - II**

<b>Service Areas of Categories</b>			
<b>Category-A</b>	<b>Category-B</b>	<b>Category-C</b>	<b>Category-Metro</b>
Andhra Pradesh	Haryana	Assam	Kolkata
Gujarat	Kerala	Bihar	Delhi
Karnataka	Madhya Pradesh	Himachal Pradesh	Mumbai
Maharashtra	Punjab	Jammu & Kashmir	
Tamil Nadu(incl. Chennai)	Rajasthan	North-East (NE)	
	UP(E)	Orissa	

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**जारीकर्ता: सांख्यिकी अनुभाग, दूरसंचार विभाग**

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