

**No. 18-06/2016-STT(T) Pt.**  
**Government of India**  
**Ministry of Communication**  
**DEPARTMENT OF TELECOM**  
**(STT - Section)**

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Dated: December 19, 2017

**Subject: - Monthly Telecom Scenario as on 30<sup>th</sup> September'17.**

Please find enclosed Monthly Telecom Scenario, which contains updated figures on various telecom parameters up to **September'17.**



**(Basant Kumar)**

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Secretary-DOT

Member (F)

Member (S)

Member (T)

Additional Secretary-(T)

Adviser (F)

Adviser (T)

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(LFP)/(NT)/(PG)/(PPS)/(SR) /(Security)/(SU)/ (Tech)/(TEC)/(TERM)/(WPF)

**Copy to:**

Principal Adviser (Economics)

Economics Adviser



# Monthly Telecom Scenario

September'17



**STT Section**  
**Department of Telecommunications**  
**Government of India**



## Overview

The following table gives a summary of the sector's performance vis-à-vis last month:

Parameter	Unit	September'17	August'17
<b>Total Phones</b>		<b>1207.04</b>	<b>1209.96</b>
Wireline	<b>million</b>	23.67	23.75
Wireless		1183.37	1186.21
Rural		501.99	502.50
Urban		705.05	707.46
Public		126.00	125.56
Private		1081.04	1084.40
<i>Wireline %age to Total Phones</i>		<b>%age</b>	1.96
<i>Wireless %age to Total Phones</i>	98.04		98.04
<i>Rural %age to Total Phones</i>	41.59		41.53
<i>Urban %age to Total Phones</i>	58.41		58.47
<i>Public %age to Total Phones</i>	10.44		10.38
<i>Private %age to Total Phones</i>	89.56		89.62
<b>Overall Teledensity</b>			<b>93.42</b>
Wireline Teledensity	<b>%age</b>	1.83	1.84
Wireless Teledensity		91.59	91.90
Rural Teledensity		56.78	56.87
Urban Teledensity		172.86	173.72
Public		9.75	9.73
Private		83.67	84.01
<b>Teledensity: Top five Circles</b>			
<i>Himachal Pradesh</i>	<b>%age</b>	151.76	151.00
<i>Tamil Nadu</i>		130.14	129.53
<i>Punjab</i>		121.81	121.27
<i>Kerala</i>		119.99	118.77
<i>Karnataka</i>		115.09	115.40
<b>Teledensity: Metros</b>			
<i>Delhi</i>	<b>%age</b>	260.52	260.66
<i>Kolkata</i>		189.94	189.54
<i>Mumbai</i>		168.74	167.37
<b>Broadband</b>	<b>million</b>	<b>324.89</b>	<b>316.48</b>



At the end of September'17, the total number of telephones stood at 1207.04 million, compared to 1209.96 million by the end of August'17 i.e., showing a decrease of 2.92 million. Gujarat, Uttar Pradesh (East) and Bihar showed major declines in connections with a decrease of 3.63 million, 0.68 million & 0.46 million respectively. However, Tamil Nadu, Kerala and Mumbai recorded a rise in telephone connections over previous month, with an increase of 0.47 million, 0.46 million & 0.40 million respectively.

### Telephones: Service area-wise

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

1 Source: BSNL/MTNL/AUSPI/COAI



Service area-wise analysis reveals that Uttar Pradesh - [East] has the highest share in the total telephones (8.80%) followed by Maharashtra (7.99%), Tamil Nadu (7.73%), Andhra Pradesh (7.20%) and Bihar (7.03%). These five Service areas taken together account for 38.75% of all telephone connections in India.

<b>Telephones during the month of September'17</b>				
<b>Service Area</b>	<b>Wireline</b>	<b>Wireless</b>	<b>Total Phones</b>	<b>%age Share Total Phones</b>
<b>ANDHRA PRADESH</b>	1572057	85288837	<b>86860894</b>	<b>7.20</b>
<b>ASSAM</b>	145581	22181825	<b>22327406</b>	<b>1.85</b>
<b>BIHAR</b>	276586	84628780	<b>84905366</b>	<b>7.03</b>
<b>GUJARAT</b>	1302824	69065290	<b>70368114</b>	<b>5.83</b>
<b>HARYANA</b>	315658	25483149	<b>25798807</b>	<b>2.14</b>
<b>HIMACHAL PRADESH</b>	133735	10767151	<b>10900886</b>	<b>0.90</b>
<b>JAMMU &amp; KASHMIR</b>	121908	12564281	<b>12686189</b>	<b>1.05</b>
<b>KARNATAKA</b>	2271679	70485623	<b>72757302</b>	<b>6.03</b>
<b>KERALA</b>	2023732	41253658	<b>43277390</b>	<b>3.59</b>
<b>MADHYA PRADESH</b>	999142	71517838	<b>72516980</b>	<b>6.01</b>
<b>MAHARASHTRA</b>	1808982	94610481	<b>96419463</b>	<b>7.99</b>
<b>NORTH-EAST</b>	115229	12965865	<b>13081094</b>	<b>1.08</b>
<b>ORISSA</b>	274558	34462674	<b>34737232</b>	<b>2.88</b>
<b>PUNJAB</b>	930572	37349477	<b>38280049</b>	<b>3.17</b>
<b>RAJASTHAN</b>	683891	66833577	<b>67517468</b>	<b>5.59</b>
<b>TAMIL NADU</b>	2431090	90858778	<b>93289868</b>	<b>7.73</b>
<b>UTTAR PRADESH - [East]</b>	488100	105694060	<b>106182160</b>	<b>8.80</b>
<b>UTTAR PRADESH - [West]</b>	368600	66554666	<b>66923266</b>	<b>5.54</b>
<b>WEST BENGAL</b>	305043	58834367	<b>59139410</b>	<b>4.90</b>
<b>KOLKATA</b>	826948	29754183	<b>30581131</b>	<b>2.53</b>
<b>DELHI</b>	3245020	54752457	<b>57997477</b>	<b>4.80</b>
<b>MUMBAI</b>	3029492	37466306	<b>40495798</b>	<b>3.35</b>
<b>TOTAL</b>	<b>23670427</b>	<b>1183373323</b>	<b>1207043750</b>	<b>100.00</b>

1 Source: BSNL/MTNL/AUSPI/COAI

☞ The overall tele-density at the end of September'17 was 93.42%. Rural and urban tele-density was 56.78% and 172.86% respectively. Among the Service areas, Himachal Pradesh (151.76%) had the highest tele-density followed by Tamil Nadu (130.14%), Punjab (121.81%), Kerala (119.99%) and Karnataka (115.09%). Among the three metros, Delhi tops in tele-density with 260.52% tele-density, followed by Kolkata (189.94%) and Mumbai (168.74%).

Tele-density: Service area-wise (in %age)

Teledensity : Service Area wise (in %age)							
Service Area	March'17	April'17	May'17	June'17	July'17	August'17	September'17
ANDHRA PRADESH	97.18	97.60	97.54	97.86	97.16	97.06	97.14
ASSAM	66.97	67.13	67.72	67.77	67.81	67.34	67.62
BIHAR	60.99	61.18	61.69	61.81	61.46	61.02	60.63
GUJARAT	113.71	114.04	113.65	114.05	113.10	114.42	108.71
HARYANA	91.01	90.89	92.06	92.87	113.55	91.17	91.83
HIMACHAL PRADESH	147.86	147.86	149.74	150.59	179.96	151.00	151.76
JAMMU & KASHMIR	95.91	96.65	98.05	99.15	98.51	100.22	100.56
KARNATAKA	113.39	113.18	113.40	113.96	104.31	115.40	115.09
KERALA	114.75	115.09	115.67	116.34	128.27	118.77	119.99
MADHYA PRADESH	67.07	67.57	67.60	68.14	64.81	68.48	68.44
MAHARASHTRA	95.88	96.35	96.20	96.81	91.30	95.94	96.05
NORTH-EAST	89.94	89.85	90.68	91.62	138.29	92.14	92.25
ORISSA	80.74	81.06	81.46	81.56	95.16	81.05	80.79
PUNJAB	118.28	119.26	120.19	121.41	121.71	121.27	121.81
RAJASTHAN	92.02	91.82	92.28	92.56	84.41	91.16	90.65
TAMIL NADU	128.41	128.56	128.97	129.54	121.46	129.53	130.14
UTTAR PRADESH - [East]	74.03	74.12	74.83	74.94	73.54	74.42	73.89
UTTAR PRADESH - [West]							
WEST BENGAL	73.59	73.99	74.25	74.43	80.64	73.84	74.00
KOLKATA	188.37	188.49	188.58	188.82	213.89	189.54	189.94
DELHI	257.76	258.93	260.31	261.33	254.17	260.66	260.52
MUMBAI	166.77	166.69	166.16	166.71	160.95	167.37	168.74
<b>TOTAL</b>	<b>93.01</b>	<b>93.25</b>	<b>93.63</b>	<b>94.01</b>	<b>93.91</b>	<b>93.74</b>	<b>93.42</b>

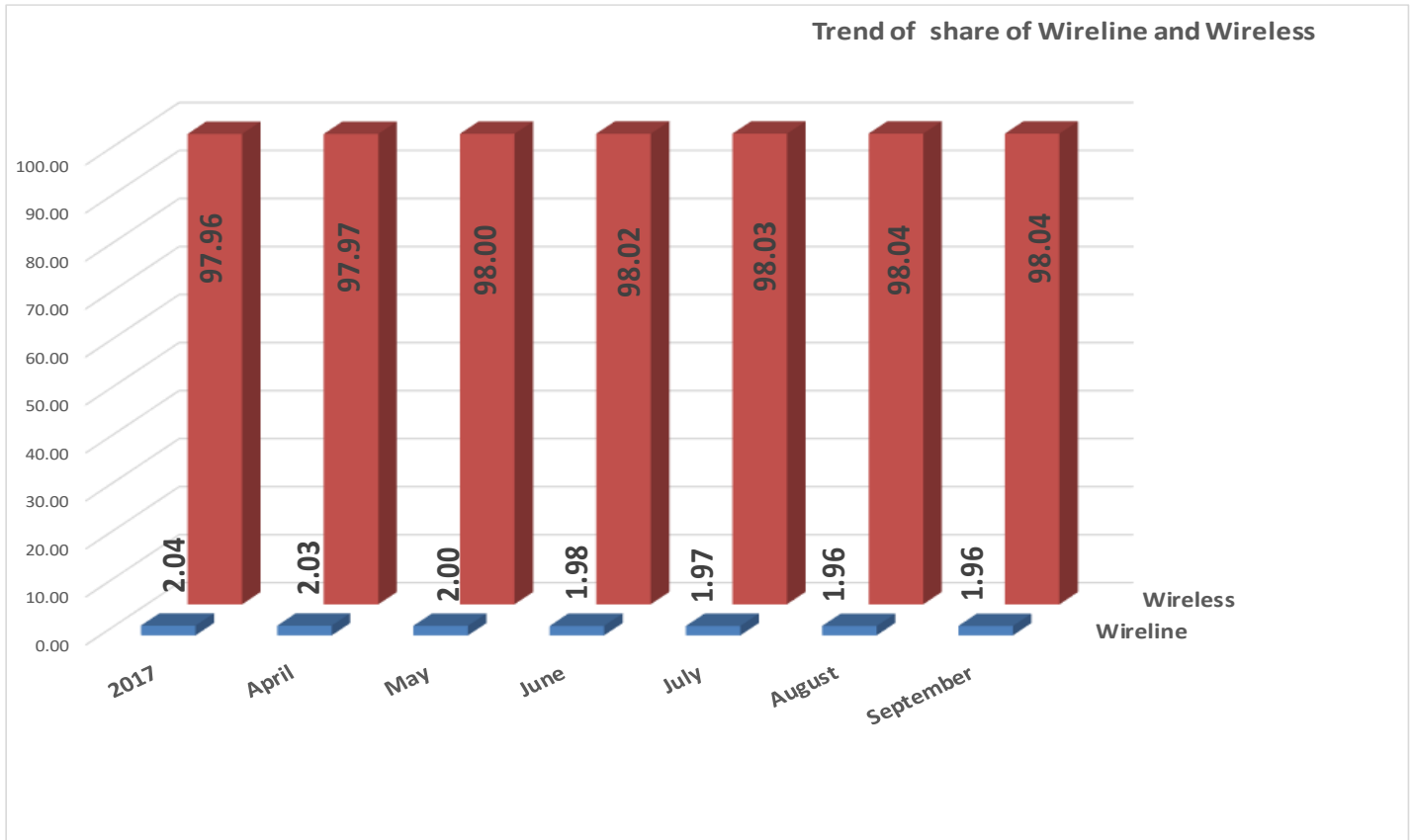
1. Source: BSNL/MTNL/AUSPI/COAI and O/o Registrar General

2. No separate population data is available for UP(W); so UP(E) and UP(W) have been clubbed together to show the figures for UP.

3. Projected population of individual States may not tally with the All India Population



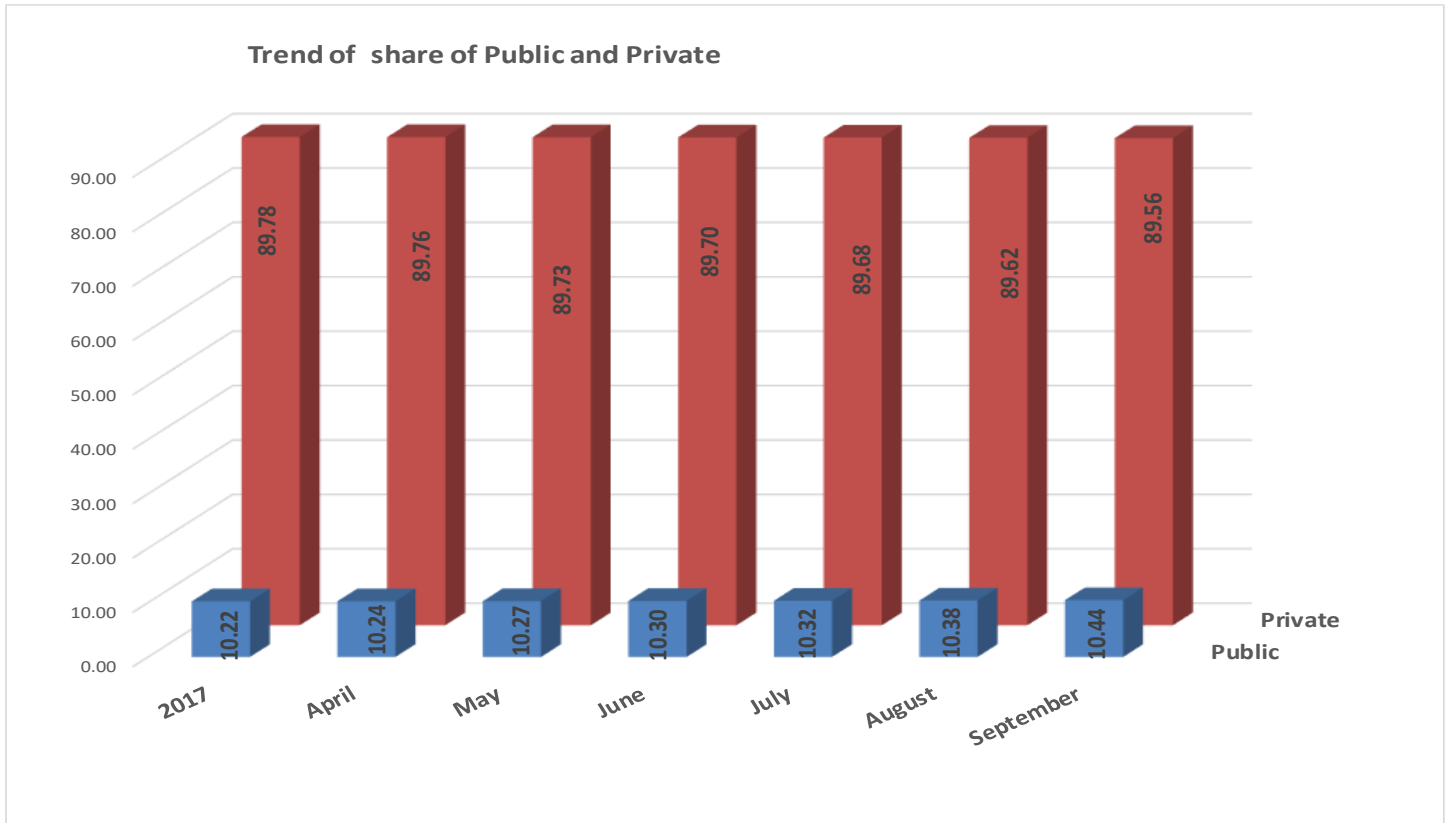
☞ The share of wireless segment in total connections stood at 98.04% by the end of September'17. The share of wireline stood at 1.96%, maintaining its declining trend over the past several years.



### Telephones: Wireline vs Wireless

Year ending 31st March	Telephones			Additions	Share% age		% age Growth		
	Wireline	Wireless	Total		Wireline	Wireless	Wireline	Wireless	Overall
<b>2017</b>	24400627	1170587433	<b>1194988060</b>	135654829	2.04	97.96	-3.27	13.20	<b>12.81</b>
<b>2017-18</b>									
<b>April</b>	24296732	1174957062	<b>1199253794</b>	4265734	2.03	97.97	-0.43	0.37	<b>0.36</b>
<b>May</b>	24157974	1181020435	<b>1205178409</b>	5924615	2.00	98.00	-0.57	0.52	<b>0.49</b>
<b>June</b>	23998887	1187219421	<b>1211218308</b>	6039899	1.98	98.02	-0.66	0.52	<b>0.50</b>
<b>July</b>	23916666	1187174576	<b>1211091242</b>	-127066	1.97	98.03	-0.34	0.00	<b>-0.01</b>
<b>August</b>	23752029	1186205623	<b>1209957652</b>	-1133590	1.96	98.04	-0.69	-0.08	<b>-0.09</b>
<b>September</b>	23670427	1183373323	<b>1207043750</b>	-2913902	1.96	98.04	-0.34	-0.24	<b>-0.24</b>

☞ In September, 2017, Public sector's share in total telephones was 10.44% as against 89.56% share of the private sector.

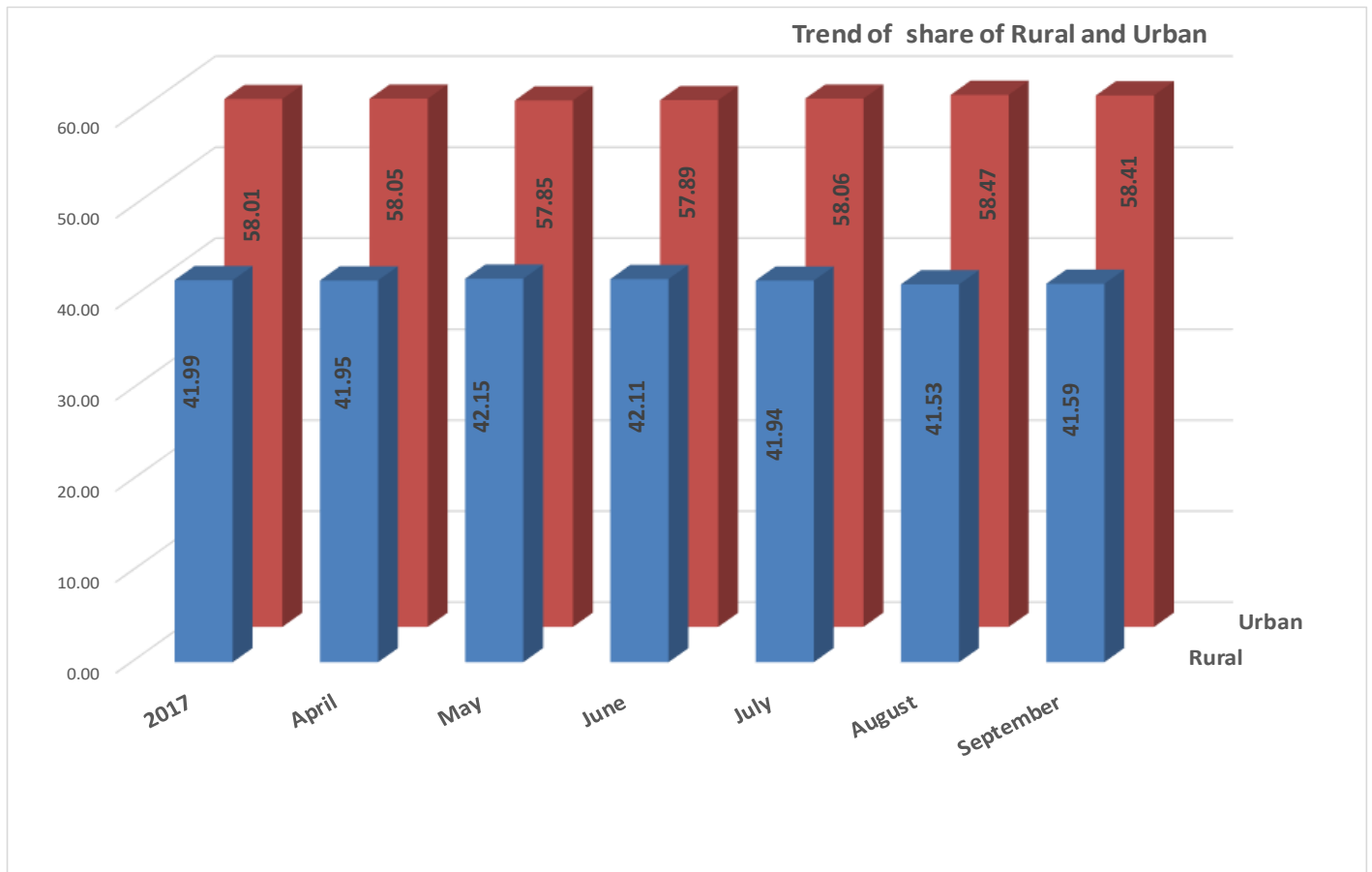


**Telephones: Public vs. Private**

Year ending 31st March	Telephones			Additions		Share% age		% age Growth	
	Public	Private	Total	Public	Private	Public	Private	Public	Private
<b>2017</b>	122177339	1072810721	<b>1194988060</b>	13527403	122127426	10.22	89.78	12.45	12.85
<b>2017-18</b>									
<b>April</b>	122772793	1076481001	<b>1199253794</b>	595454	3670280	10.24	89.76	0.49	0.34
<b>May</b>	123794637	1081383772	<b>1205178409</b>	1021844	4902771	10.27	89.73	0.83	0.46
<b>June</b>	124803653	1086414655	<b>1211218308</b>	1009016	5030883	10.30	89.70	0.82	0.47
<b>July</b>	125027537	1086063705	<b>1211091242</b>	223884	-350950	10.32	89.68	0.18	-0.03
<b>August</b>	125560640	1084397012	<b>1209957652</b>	533103	-1666693	10.38	89.62	0.43	-0.15
<b>September</b>	126000116	1081043634	<b>1207043750</b>	439476	-3353378	10.44	89.56	0.35	-0.31



In the month of September'17, the share of rural areas in total telephones increased to 41.59% against 41.53% of August'17. The share of urban areas decreased and stood at 58.41% against 58.47% of August'17.



**Telephones: Rural vs. Urban**

Year ending 31st March	Telephones			Additions		Share% age		% age Growth	
	Rural	Urban	Total	Rural	Urban	Rural	Urban	Rural	Urban
<b>2017</b>	501806543	693181517	<b>1194988060</b>	54036789	81618040	41.99	58.01	12.07	13.35
<b>2017-18</b>									
<b>April</b>	503071331	696182463	<b>1199253794</b>	1264788	3000946	41.95	58.05	0.25	0.43
<b>May</b>	508017416	697160993	<b>1205178409</b>	4946085	978530	42.15	57.85	0.98	0.14
<b>June</b>	510050742	701167566	<b>1211218308</b>	2033326	4006573	42.11	57.89	0.40	0.57
<b>July</b>	507922198	703169044	<b>1211091242</b>	-2128544	2001478	41.94	58.06	-0.42	0.29
<b>August</b>	502499610	707458042	<b>1209957652</b>	-5422588	4288998	41.53	58.47	-1.07	0.61
<b>September</b>	501993750	705050000	<b>1207043750</b>	-505860	-2408042	41.59	58.41	-0.10	-0.34

☞ Overall teledensity in September'17 was 93.42%. It was 93.74% in August'17. The teledensity for wireless segment was 91.59% whereas that for wireline segment was 1.83%. Teledensity reported in rural areas was 56.78% and teledensity for the urban areas was 172.86%. In Public sector, teledensity was 9.75% and in Private sector, it was 83.67% at the end of September'17.

### Tele-density

Year ending 31st March	Teledensity (%age)						
	Rural	Urban	Overall	Wireline	Wireless	Public	Private
<b>2017</b>	56.98	171.52	<b>93.01</b>	1.90	91.11	9.51	83.50
<b>2017-18</b>							
<b>April</b>	57.09	172.00	<b>93.25</b>	1.89	91.36	9.55	83.71
<b>May</b>	57.61	171.98	<b>93.63</b>	1.88	91.75	9.62	84.01
<b>June</b>	57.80	172.70	<b>94.01</b>	1.86	92.15	9.69	84.32
<b>July</b>	57.52	172.93	<b>93.91</b>	1.85	92.06	9.69	84.22
<b>August</b>	56.87	173.72	<b>93.74</b>	1.84	91.90	9.73	84.01
<b>September</b>	56.78	172.86	<b>93.42</b>	1.83	91.59	9.75	83.67

The number of Internet subscribers (both broadband and narrowband put together) which was 342.66 million at the end of March, 2016 increased to 431.21 million by the end of June'17. The number of subscribers accessing internet via wireless phones etc. was 409.55 million at the end of June'17. The number of wired Internet subscribers was 21.66 million at the end of June'17. Quarterly growth for June'17 is 2.14% as compared to quarterly growth of 2.28% for June'16.

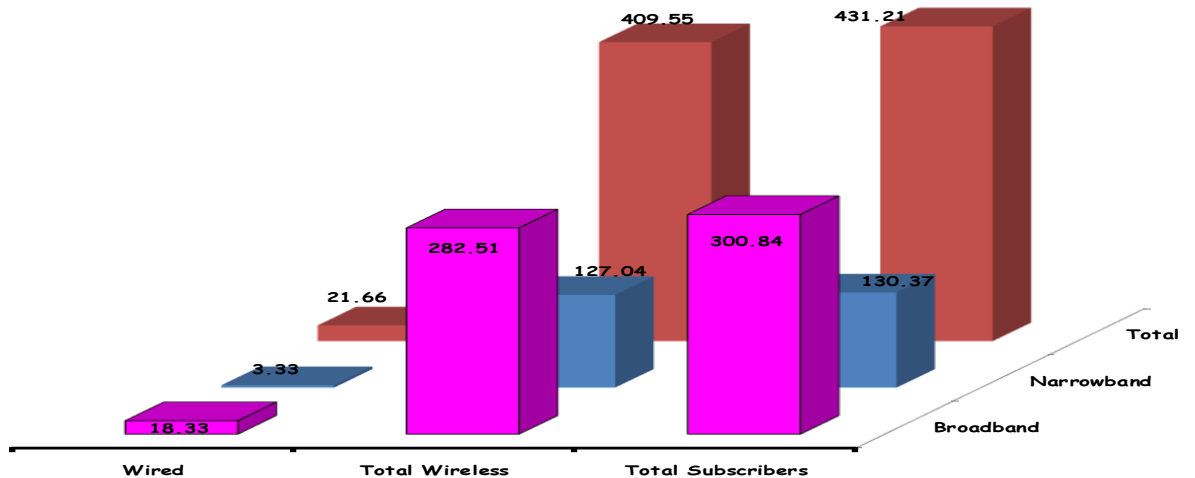
**Trend of Internet Subscribers**

Total Internet Subscribers (Includes wired, fixed Wireless and Mobile Wireless)	March'16	June'16	September'16	December'16	March'17	June'17
	342.66	350.48	367.48	391.50	422.18	431.21
Quarterly Growth (in Percentage)	3.32	2.28	4.85	6.54	7.84	2.14

Internet Subscriber Base in India - June'17 * (in million)			
Segment	Wired	Total Wireless	Total
Broadband	18.33	282.51	300.84
Narrowband	3.33	127.04	130.37
<b>Total</b>	<b>21.66</b>	<b>409.55</b>	<b>431.21</b>

\* As per the TRAI input

**Internet Subscribers - June 2017 ( in millions)**



The number of Broadband subscribers was 324.89 million at the end of September'17 increased from 316.48 million in August'17 showing an increase of 2.66%.

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