





# Monthly Telecom Scenario

December'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	December'17	November'17
<b>Total Phones</b>		<b>1192.14</b>	<b>1186.22</b>
Wireline	<b>million</b>	23.23	23.41
Wireless		1168.90	1162.81
Rural		502.71	500.94
Urban		689.43	685.28
Public		127.45	127.37
Private		1064.69	1058.85
Wireline %age to Total Phones		<b>%age</b>	1.95
Wireless %age to Total Phones	98.05		98.03
Rural %age to Total Phones	42.17		42.23
Urban %age to Total Phones	57.83		57.77
Public %age to Total Phones	10.69		10.74
Private %age to Total Phones	89.31		89.26
<b>Overall Teledensity</b>		<b>92.01</b>	<b>91.64</b>
Wireline Teledensity	<b>%age</b>	1.79	1.81
Wireless Teledensity		90.22	89.83
Rural Teledensity		56.75	56.58
Urban Teledensity		168.26	167.50
Public		9.84	9.84
Private		82.17	81.80
<b>Teledensity: Top five Circles</b>			
Himachal Pradesh	<b>%age</b>	149.16	153.96
Tamil Nadu		124.56	124.38
Punjab		123.63	123.62
Kerala		119.08	118.58
Gujarat		110.75	110.00
<b>Teledensity: Metros</b>			
Delhi	<b>%age</b>	262.14	259.14
Kolkata		185.97	184.56
Mumbai		171.47	169.67
<b>Broadband</b>	<b>million</b>	<b>362.87</b>	<b>350.70</b>



At the end of December'17, the total number of telephones was 1192.14 million, compared to 1186.22 million by the end of November'17 i.e., an increase of 5.92 million. Madhya Pradesh, Delhi and Gujarat recorded the highest rise in telephone connections over previous month, with an increase of 1143029, 809862 & 549023 respectively.

### Telephones: Service area-wise

Service Area	March'17	April'17	May'17	June'17	July'17	August'17	September'17	October'17	November'17	December'17
ANDHRA PRADESH	86580485	87005489	87008505	87346044	86769174	86733089	86860894	87086394	85554275	85842919
ASSAM	21994249	22064486	22278684	22315211	22349285	22215240	22327406	22446787	22628613	22851761
BIHAR	84929755	85272222	86073761	86322506	85913305	85367612	84905366	83996529	84349504	84667917
GUJARAT	73198846	73477108	73293488	73621895	73074549	73996134	70368114	70986510	71341140	71890163
HARYANA	25392301	25387715	25743604	26000580	31826233	25581998	25798807	25804833	25371676	25773117
HIMACHAL PRADESH	10580608	10586867	10728972	10795877	12910312	10840067	10900886	10927164	11072818	10734844
JAMMU & KASHMIR	12041327	12144037	12329598	12478392	12406729	12632938	12686189	12942063	13117245	13239305
KARNATAKA	71385928	71303679	71492903	71892853	65850177	72901264	72757302	72362860	68994791	69458631
KERALA	41275132	41419026	41644405	41904128	46222239	42817708	43277390	43488968	42803499	43002611
MADHYA PRADESH	70603342	71201810	71318293	71963206	68517873	72483263	72516980	72676649	73767190	74910219
MAHARASHTRA	95780986	96322232	96260464	96941957	91504796	96227611	96419463	96025422	94992139	95150350
NORTH-EAST	12688408	12685840	12815222	12958489	19575697	13054511	13081094	13049461	12956932	12991238
ORISSA	34583799	34745877	34938212	35003724	40862561	34826151	34737232	34205373	34260457	34361054
PUNJAB	36972226	37313866	37638000	38054214	38182972	38078533	38280049	38566472	38916624	38956899
RAJASTHAN	68098694	68021109	68439680	68720143	62738771	67826388	67517468	66377083	66273505	66461953
TAMIL NADU	91803712	91956377	92292222	92738418	86991020	92814627	93289868	92963231	89244288	89410050
UTTAR PRADESH - [East]	105054437	105515829	106676693	106952560	104368610	106858253	106182160	104702650	101005790	101273772
UTTAR PRADESH - [West]	67072551	67034764	67751894	67946838	67477406	67253190	66923266	66644582	62593678	62681740
WEST BENGAL	58577948	58936349	59175638	59359888	64357447	58964910	59139410	58669414	58332814	58338459
KOLKATA	30175215	30221061	30259384	30324298	34377760	30491683	30581131	29867558	29764672	30016966
DELHI	56573699	56966951	57407166	57767250	56317495	57892316	57997477	57794281	57958728	58768590
MUMBAI	39624412	39671100	39611621	39809837	38496831	40100166	40495798	40524089	40924491	41354406
<b>TOTAL</b>	<b>1194988060</b>	<b>1199253794</b>	<b>1205178409</b>	<b>1211218308</b>	<b>1211091242</b>	<b>1209957652</b>	<b>1207043750</b>	<b>1202108373</b>	<b>1186224869</b>	<b>1192136964</b>

The telecom Service area-wise analysis reveals that Uttar Pradesh - [East] has the highest share in the total telephones (8.50%) followed by Maharashtra (7.98%), Tamil Nadu (7.50%), Andhra Pradesh (7.20%) and Bihar (7.10%). These five Service areas taken together have a share of 38.28% in the total telephone connections in India.

<b>Telephones during the month of December'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>	1524574	84318345	<b>85842919</b>	<b>7.20</b>
<b>ASSAM</b>	140736	22711025	<b>22851761</b>	<b>1.92</b>
<b>BIHAR</b>	271606	84396311	<b>84667917</b>	<b>7.10</b>
<b>GUJARAT</b>	1293630	70596533	<b>71890163</b>	<b>6.03</b>
<b>HARYANA</b>	307898	25465219	<b>25773117</b>	<b>2.16</b>
<b>HIMACHAL PRADESH</b>	127961	10606883	<b>10734844</b>	<b>0.90</b>
<b>JAMMU &amp; KASHMIR</b>	116807	13122498	<b>13239305</b>	<b>1.11</b>
<b>KARNATAKA</b>	2253737	67204894	<b>69458631</b>	<b>5.83</b>
<b>KERALA</b>	1992894	41009717	<b>43002611</b>	<b>3.61</b>
<b>MADHYA PRADESH</b>	978193	73932026	<b>74910219</b>	<b>6.28</b>
<b>MAHARASHTRA</b>	1764471	93385879	<b>95150350</b>	<b>7.98</b>
<b>NORTH-EAST</b>	113122	12878116	<b>12991238</b>	<b>1.09</b>
<b>ORISSA</b>	273288	34087766	<b>34361054</b>	<b>2.88</b>
<b>PUNJAB</b>	889583	38067316	<b>38956899</b>	<b>3.27</b>
<b>RAJASTHAN</b>	616090	65845863	<b>66461953</b>	<b>5.58</b>
<b>TAMIL NADU</b>	2377118	87032932	<b>89410050</b>	<b>7.50</b>
<b>UTTAR PRADESH - [East]</b>	485693	100788079	<b>101273772</b>	<b>8.50</b>
<b>UTTAR PRADESH - [West]</b>	356889	62324851	<b>62681740</b>	<b>5.26</b>
<b>WEST BENGAL</b>	284709	58053750	<b>58338459</b>	<b>4.89</b>
<b>KOLKATA</b>	818762	29198204	<b>30016966</b>	<b>2.52</b>
<b>DELHI</b>	3220458	55548132	<b>58768590</b>	<b>4.93</b>
<b>MUMBAI</b>	3026468	38327938	<b>41354406</b>	<b>3.47</b>
<b>TOTAL</b>	<b>23234687</b>	<b>1168902277</b>	<b>1192136964</b>	<b>100.00</b>



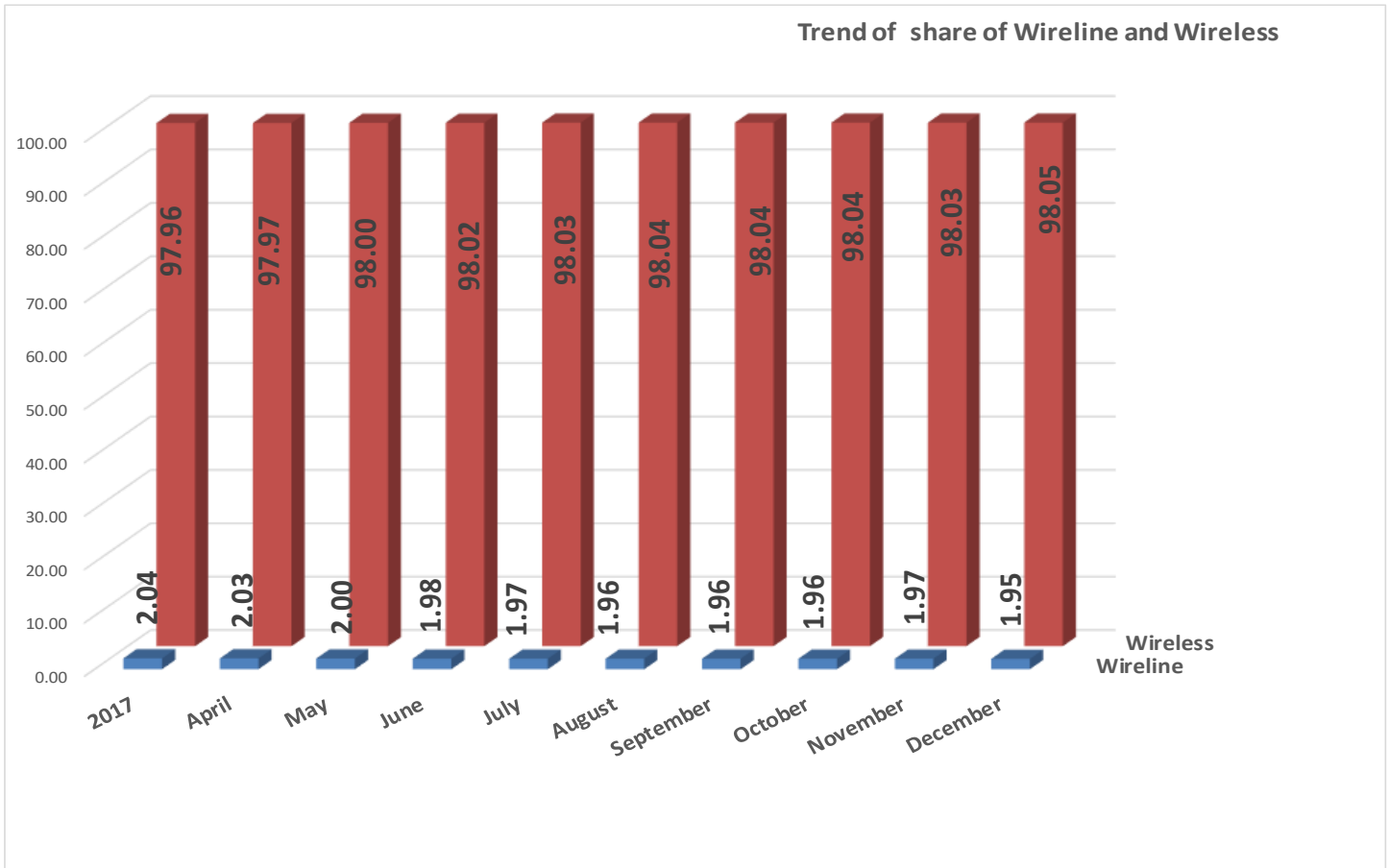
The overall tele-density at the end of December'17 was 92.01%. Rural and urban tele-density was 56.75% and 168.26% respectively. Among the Service areas, Himachal Pradesh (149.16%) has the highest tele-density followed by Tamil Nadu (124.56%), Punjab (123.63%), Kerala (119.08%) and Gujarat (110.75%). Among the three metros, Delhi Service Area tops in tele-density with 262.14%, followed by Kolkata (185.97%) and Mumbai (171.47%).

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

Service Area	March'17	April'17	May'17	June'17	July'17	August'17	September'17	October'17	November'17	December'17
ANDHRA PRADESH	97.18	97.60	97.54	97.86	97.16	97.06	97.14	97.33	95.56	95.83
ASSAM	66.97	67.13	67.72	67.77	67.81	67.34	67.62	67.92	68.41	69.02
BIHAR	60.99	61.18	61.69	61.81	61.46	61.02	60.63	59.93	60.13	60.30
GUJARAT	113.71	114.04	113.65	114.05	113.10	114.42	108.71	109.56	110.00	110.75
HARYANA	91.01	90.89	92.06	92.87	113.55	91.17	91.83	91.75	90.11	91.43
HIMACHAL PRADESH	147.86	147.86	149.74	150.59	179.96	151.00	151.76	152.02	153.96	149.16
JAMMU & KASHMIR	95.91	96.65	98.05	99.15	98.51	100.22	100.56	102.51	103.82	104.70
KARNATAKA	113.39	113.18	113.40	113.96	104.31	115.40	115.09	114.39	108.99	109.65
KERALA	114.75	115.09	115.67	116.34	128.27	118.77	119.99	120.53	118.58	119.08
MADHYA PRADESH	67.07	67.57	67.60	68.14	64.81	68.48	68.44	68.52	69.47	70.47
MAHARASHTRA	95.88	96.35	96.20	96.81	91.30	95.94	96.05	95.58	94.47	94.55
NORTH-EAST	89.94	89.85	90.68	91.62	138.29	92.14	92.25	91.95	91.22	91.38
ORISSA	80.74	81.06	81.46	81.56	95.16	81.05	80.79	79.50	79.58	79.76
PUNJAB	118.28	119.26	120.19	121.41	121.71	121.27	121.81	122.61	123.62	123.63
RAJASTHAN	92.02	91.82	92.28	92.56	84.41	91.16	90.65	89.02	88.79	88.94
TAMIL NADU	128.41	128.56	128.97	129.54	121.46	129.53	130.14	129.62	124.38	124.56
UTTAR PRADESH - [East]	74.03	74.12	74.83	74.94	73.54	74.42	73.89	73.05	69.66	69.73
UTTAR PRADESH - [West]										
WEST BENGAL	73.59	73.99	74.25	74.43	80.64	73.84	74.00	73.37	72.90	72.86
KOLKATA	188.37	188.49	188.58	188.82	213.89	189.54	189.94	185.35	184.56	185.97
DELHI	257.76	258.93	260.31	261.33	254.17	260.66	260.52	259.00	259.14	262.14
MUMBAI	166.77	166.69	166.16	166.71	160.95	167.37	168.74	168.58	169.97	171.47
TOTAL	93.01	93.25	93.63	94.01	93.91	93.74	93.42	92.95	91.64	92.01



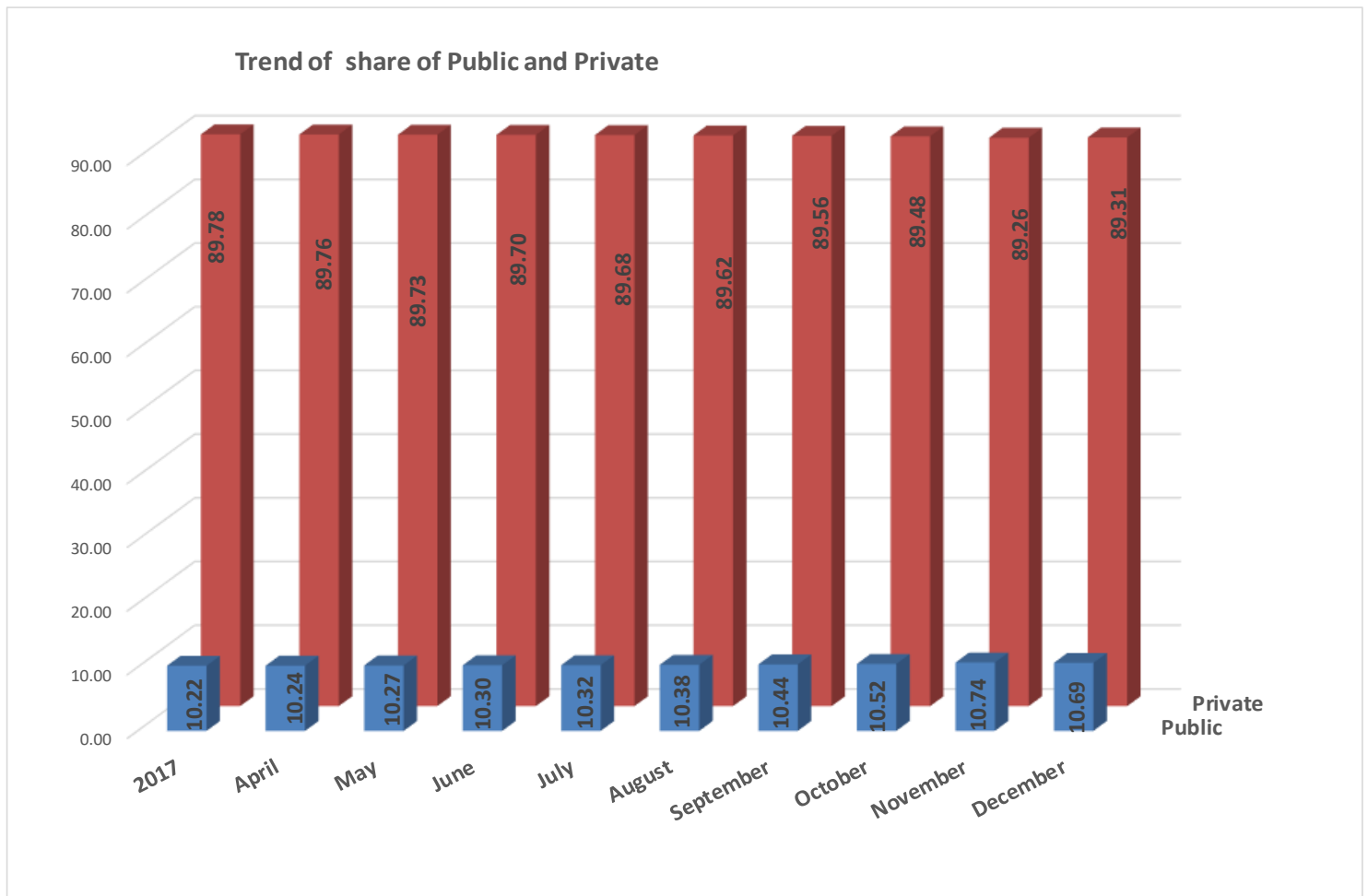
☞ The share of wireless segment in total connections stood at 98.05% by the end of December'17. The share of wireline telephones stood at 1.95%.



**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>
<b>October</b>	23528523	1178579850	<b>1202108373</b>	-4935377	1.96	98.04	-0.60	-0.41	<b>-0.41</b>
<b>November</b>	23412966	1162811903	<b>1186224869</b>	-15883504	1.97	98.03	-0.49	-1.34	<b>-1.32</b>
<b>December</b>	23234687	1168902277	<b>1192136964</b>	5912095	1.95	98.05	-0.76	0.52	<b>0.50</b>

👉 In December'17, Public sector's share in total telephones was 10.69%, as against 89.31% share of the private sector.

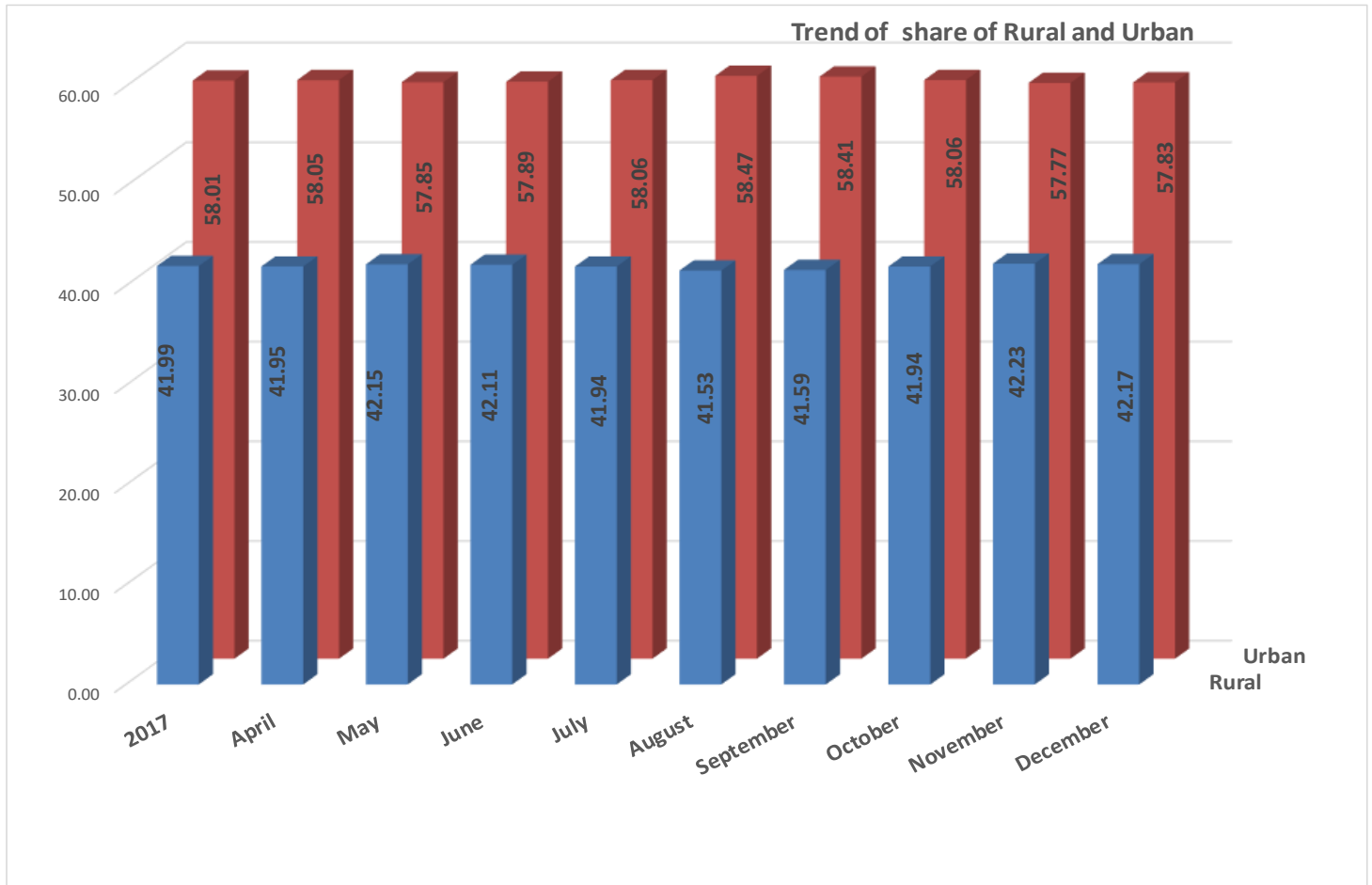


**Telephones: Public vs. Private**

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
<b>October</b>	126461190	1075647183	<b>1202108373</b>	461074	-5396451	10.52	89.48	0.37	-0.50
<b>November</b>	127371224	1058853645	<b>1186224869</b>	910034	-16793538	10.74	89.26	0.72	-1.56
<b>December</b>	127453261	1064683703	<b>1192136964</b>	82037	5830058	10.69	89.31	0.06	0.55



In the month of December'17, the share of rural areas in total telephones slightly decreased to 42.17% against 42.23% of November'17. The share of urban areas increased and stood at 57.83% against 57.77% of November'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
<b>October</b>	504213770	697894603	<b>1202108373</b>	2220020	-7155397	41.94	58.06	0.44	-1.01
<b>November</b>	500937004	685287865	<b>1186224869</b>	-3276766	-12606738	42.23	57.77	-0.65	-1.81
<b>December</b>	502706252	689430712	<b>1192136964</b>	1769248	4142847	42.17	57.83	0.35	0.60

☞ Overall teledensity for the month of December'17 reached to 92.01%. It was 91.64% in November'17. The Teledensity for wireless segment was 90.22% whereas that of wireline segment is 1.79%. Teledensity reported in rural areas was 56.75% and teledensity for the urban areas was 168.26%. In Public sector, teledensity was 9.84% and in Private sector, it was 82.17% for the month of December'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
<b>October</b>	56.99	170.84	<b>92.95</b>	1.82	91.13	9.78	83.18
<b>November</b>	56.58	167.50	<b>91.64</b>	1.81	89.83	9.84	81.80
<b>December</b>	56.75	168.26	<b>92.01</b>	1.79	90.22	9.84	82.17

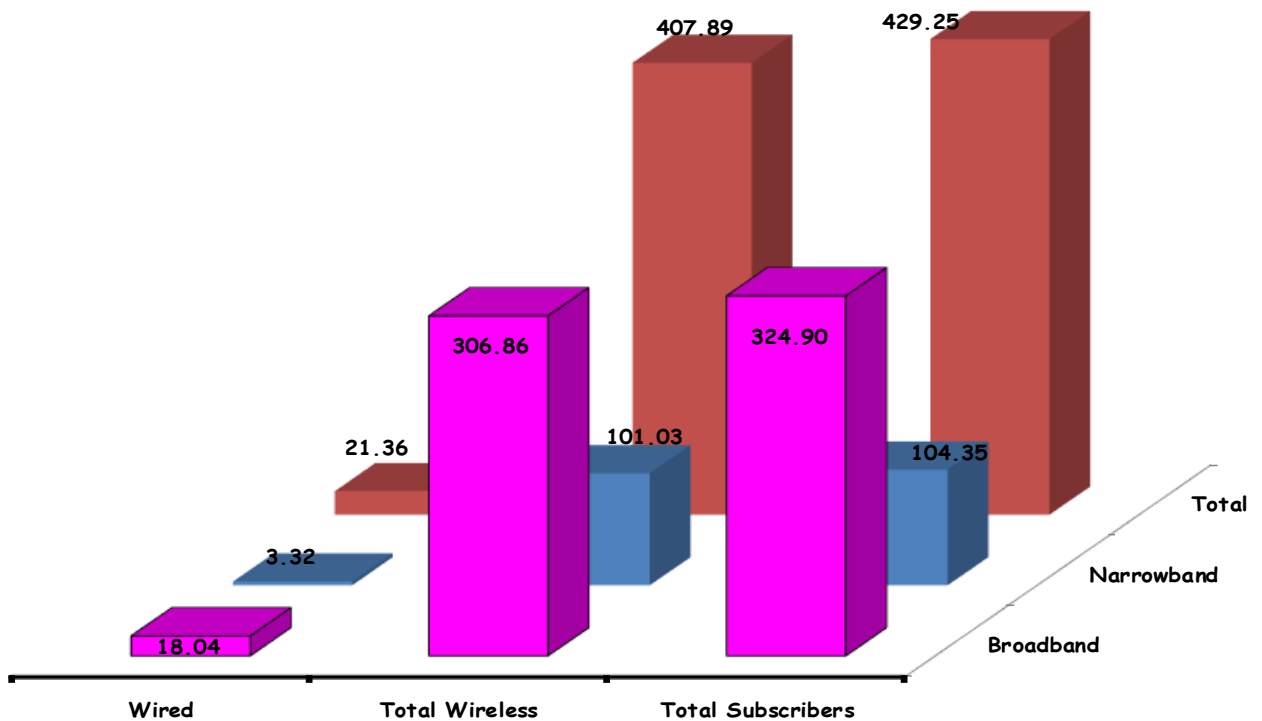
☞ The number of Internet subscribers (both broadband and narrowband put together) which was 422.18 million at the end of March, 2017 increased to 429.25 million by the end of September'17. The number of subscribers accessing internet via wireless phones etc. was 407.89 million at the end of September'17. The number of wired Internet subscribers was 21.36 million at the end of September'17.

### Trend of Internet Subscribers

Trends of Internet Subscribers (in million)							
Total Internet Subscribers (Includes wired, fixed Wireless and Mobile Wireless)	March'16	June'16	September'16	December'16	March'17	June'17	September'17
	342.66	350.48	367.48	391.50	422.18	431.21	429.25
Quarterly Growth (in Percentage)	3.32	2.28	4.85	6.54	7.84	2.14	-0.45

Internet Subscriber Base in India - September'17 * (in million)			
Segment	Wired	Total Wireless	Total
Broadband	18.04	306.86	324.90
Narrowband	3.32	101.03	104.35
<b>Total</b>	<b>21.36</b>	<b>407.89</b>	<b>429.25</b>
* As per the TRAI input			

### Internet Subscribers - September 2017 ( in millions)



☞ The number of Broadband subscribers was 362.87 million at the end of December'17 increased from 350.70 million at the end of November'17 showing an increase of 3.47%.

<b>Broadband Subscribers in India * (In million)</b>			
<b>At the end of</b>	<b>Wired</b>	<b>Total Wireless</b>	<b>Total Subscribers</b>
<b>March'17</b>	<b>18.24</b>	<b>258.27</b>	<b>276.51</b>
<b>April'17</b>	<b>18.25</b>	<b>265.98</b>	<b>284.23</b>
<b>May'17</b>	<b>18.23</b>	<b>273.38</b>	<b>291.61</b>
<b>June'17</b>	<b>18.33</b>	<b>282.51</b>	<b>300.84</b>
<b>July'17</b>	<b>18.14</b>	<b>292.73</b>	<b>310.87</b>
<b>August'17</b>	<b>18.11</b>	<b>298.37</b>	<b>316.48</b>
<b>September'17</b>	<b>18.04</b>	<b>306.86</b>	<b>324.90</b>
<b>October'17</b>	<b>17.98</b>	<b>322.18</b>	<b>340.16</b>
<b>November'17</b>	<b>17.85</b>	<b>332.85</b>	<b>350.70</b>
<b>December'17</b>	<b>17.86</b>	<b>345.01</b>	<b>362.87</b>

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