

**No. 18-01/2018-STT(T) Pt.  
Government of India  
Ministry of Communication  
DEPARTMENT OF TELECOM  
(STT - Section)**

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Dated: March 13, 2019

**Subject: - Monthly Telecom Scenario as on 31st December'18.**

Please find enclosed Monthly Telecom Scenario, containing updated figures on various telecom parameters up to December'18.



**(Basant Kumar)  
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Secretary-DOT

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Member (S)

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Sr. Economic Adviser  
Economic Adviser



# Monthly Telecom Scenario

December'18



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'18	November'18
<b>Total Phones</b>		<b>1197.89</b>	<b>1193.79</b>
Wireline	<b>million</b>	21.87	21.96
Wireless		1176.02	1171.82
Rural		531.38	529.01
Urban		666.51	664.78
Public		132.58	132.14
Private		1065.31	1061.65
Wireline %age to Total Phones		<b>%age</b>	1.83
Wireless %age to Total Phones	98.17		98.16
Rural %age to Total Phones	44.36		44.31
Urban %age to Total Phones	55.64		55.69
Public %age to Total Phones	11.07		11.07
Private %age to Total Phones	88.93		88.93
<b>Overall Teledensity</b>		<b>91.45</b>	<b>91.22</b>
Wireline Teledensity	<b>%age</b>	1.67	1.68
Wireless Teledensity		89.78	89.54
Rural Teledensity		59.53	59.30
Urban Teledensity		159.75	159.57
Public		10.12	10.10
Private		81.33	81.12
<b>Teledensity: Top five Circles</b>			
Himachal Pradesh	<b>%age</b>	146.47	145.89
Punjab		125.98	126.08
Kerala		125.52	125.12
Tamil Nadu		117.73	117.59
Karnataka		110.87	110.83
<b>Teledensity: Metros</b>			
Delhi	<b>%age</b>	235.65	235.88
Kolkata		170.48	170.10
Mumbai		164.96	164.42
<b>Broadband</b>	<b>million</b>	<b>518.55</b>	<b>511.90</b>



At the end of December'18, the total number of telephones was 1197.89 million, compared to 1193.79 million by the end of November'18, an increase of 4.10 million. Maximum rise in total telephone connections was recorded in Maharashtra (586425) followed by Bihar (513192) and West Bengal (411387). However, North-East recorded a fall in telephone connections over previous month, with a decrease of 108499.

Total Telephones : Service Area wise										
Service Area	March'18	April'18	May'18	June'18	July'18	August'18	September'18	October'18	November'18	December'18
ANDHRA PRADESH	87241623	87972697	86041407	87132426	87447489	88039871	87893349	88190844	88258159	88643813
ASSAM	25516825	25946488	20735274	21167817	21533213	21693336	21743191	21792126	21825710	21863058
BIHAR	88930443	89782944	83006614	84856104	86757474	87783481	87767392	87695035	87807793	88320985
GUJARAT	73195847	73254343	72021557	72044369	71582535	71852115	71525637	71237826	71596576	71872209
HARYANA	23885096	26891430	26967918	27419180	27761277	28022120	27826181	27751096	27819701	27961623
HIMACHAL PRADESH	12578747	9914485	10038773	10209877	10377745	10465805	10498584	10526718	10571383	10619436
JAMMU & KASHMIR	13839800	14241662	10890338	11163003	11547024	11374579	11436226	11515318	11560789	11611239
KARNATAKA	69221205	69914000	67903992	68878202	69925268	70381285	70519039	70703377	70721670	70791006
KERALA	43975326	44346323	44340211	44945671	44974167	45185874	45282718	45356819	45392517	45556320
MADHYA PRADESH	71471417	72568344	73128238	74595496	75958226	76919477	77537006	91952064	77599279	77829904
MAHARASHTRA	96334317	96505211	95142369	95877056	96056771	96509279	96101098	81481055	95902810	96489235
NORTH-EAST	13974925	14516831	11461081	11685884	11875670	11973597	11883974	11902920	11977678	11869179
ORISSA	34649966	35151325	31688695	32217720	33145196	33417343	33374266	33310487	33335445	33372711
PUNJAB	39002089	39299898	38811481	39322840	39884712	40027400	39908346	40040440	40110353	40112092
RAJASTHAN	65840348	66706229	61603897	62591756	63605758	64150970	66436702	66410322	66637945	66937183
TAMIL NADU	98012845	100432426	82100944	83511141	83249996	83826747	84427883	84611490	84802996	84943307
UTTAR PRADESH - [East]	104613364	105889423	100258186	101752705	101691377	102499940	102407609	107086956	102005557	102240828
UTTAR PRADESH - [West]	63791171	64638595	64333647	63893659	64934694	65140662	64854354	59754293	64830263	65061895
WEST BENGAL	59153123	60267730	56556782	57665459	58835060	58899028	58695870	58628528	58685272	59096659
KOLKATA	29606310	30322376	26468509	26888086	27177176	27449773	27572300	27658584	27707556	27791102
DELHI	57453739	58314198	52136504	52807164	53153069	53654906	53799999	54194146	54261547	54333749
MUMBAI	39507941	39988041	37900004	38382354	37964098	39899952	40123217	40329787	40374140	40572528
<b>TOTAL</b>	<b>1211796467</b>	<b>1226864999</b>	<b>1153536421</b>	<b>1169007969</b>	<b>1179437995</b>	<b>1189167540</b>	<b>1191614941</b>	<b>1192130231</b>	<b>1193785139</b>	<b>1197890061</b>

1 Source: BSNL/MTNL/COAI



Service area-wise analysis reveals that Uttar Pradesh - [East] had the highest share in the total telephones (8.54%) followed by Maharashtra (8.05%), Andhra Pradesh (7.40%), Bihar (7.37%) and Tamil Nadu (7.09%). These five Service areas taken together accounted for 38.45% of total telephone connections in India.

<b>Telephones during the month of December'18</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>	1429482	87214331	<b>88643813</b>	<b>7.40</b>
<b>ASSAM</b>	119129	21743929	<b>21863058</b>	<b>1.83</b>
<b>BIHAR</b>	236233	88084752	<b>88320985</b>	<b>7.37</b>
<b>GUJARAT</b>	1221550	70650659	<b>71872209</b>	<b>6.00</b>
<b>HARYANA</b>	282122	27679501	<b>27961623</b>	<b>2.33</b>
<b>HIMACHAL PRADESH</b>	117972	10501464	<b>10619436</b>	<b>0.89</b>
<b>JAMMU &amp; KASHMIR</b>	105329	11505910	<b>11611239</b>	<b>0.97</b>
<b>KARNATAKA</b>	2167567	68623439	<b>70791006</b>	<b>5.91</b>
<b>KERALA</b>	1908347	43647973	<b>45556320</b>	<b>3.80</b>
<b>MADHYA PRADESH</b>	925551	76904353	<b>77829904</b>	<b>6.50</b>
<b>MAHARASHTRA</b>	1480485	95008750	<b>96489235</b>	<b>8.05</b>
<b>NORTH-EAST</b>	106667	11762512	<b>11869179</b>	<b>0.99</b>
<b>ORISSA</b>	237631	33135080	<b>33372711</b>	<b>2.79</b>
<b>PUNJAB</b>	793523	39318569	<b>40112092</b>	<b>3.35</b>
<b>RAJASTHAN</b>	545198	66391985	<b>66937183</b>	<b>5.59</b>
<b>TAMIL NADU</b>	2222323	82720984	<b>84943307</b>	<b>7.09</b>
<b>UTTAR PRADESH - [East]</b>	450928	101789900	<b>102240828</b>	<b>8.54</b>
<b>UTTAR PRADESH - [West]</b>	309533	64752362	<b>65061895</b>	<b>5.43</b>
<b>WEST BENGAL</b>	247219	58849440	<b>59096659</b>	<b>4.93</b>
<b>KOLKATA</b>	728371	27062731	<b>27791102</b>	<b>2.32</b>
<b>DELHI</b>	3203322	51130427	<b>54333749</b>	<b>4.54</b>
<b>MUMBAI</b>	3029710	37542818	<b>40572528</b>	<b>3.39</b>
<b>TOTAL</b>	<b>21868192</b>	<b>1176021869</b>	<b>1197890061</b>	<b>100.00</b>

1 Source: BSNL/MTNL/COAI



The overall tele-density at the end of December'18 was 91.45%. Among the Service areas, Himachal Pradesh (146.47%) had the highest tele-density followed by Punjab (125.98%), Kerala (125.52%), Tamil Nadu (117.73%) and Karnataka (110.87%). Among the three metros, Delhi Service Area topped in tele-density with 235.65%, followed by Kolkata (170.48%) and Mumbai (164.96%).

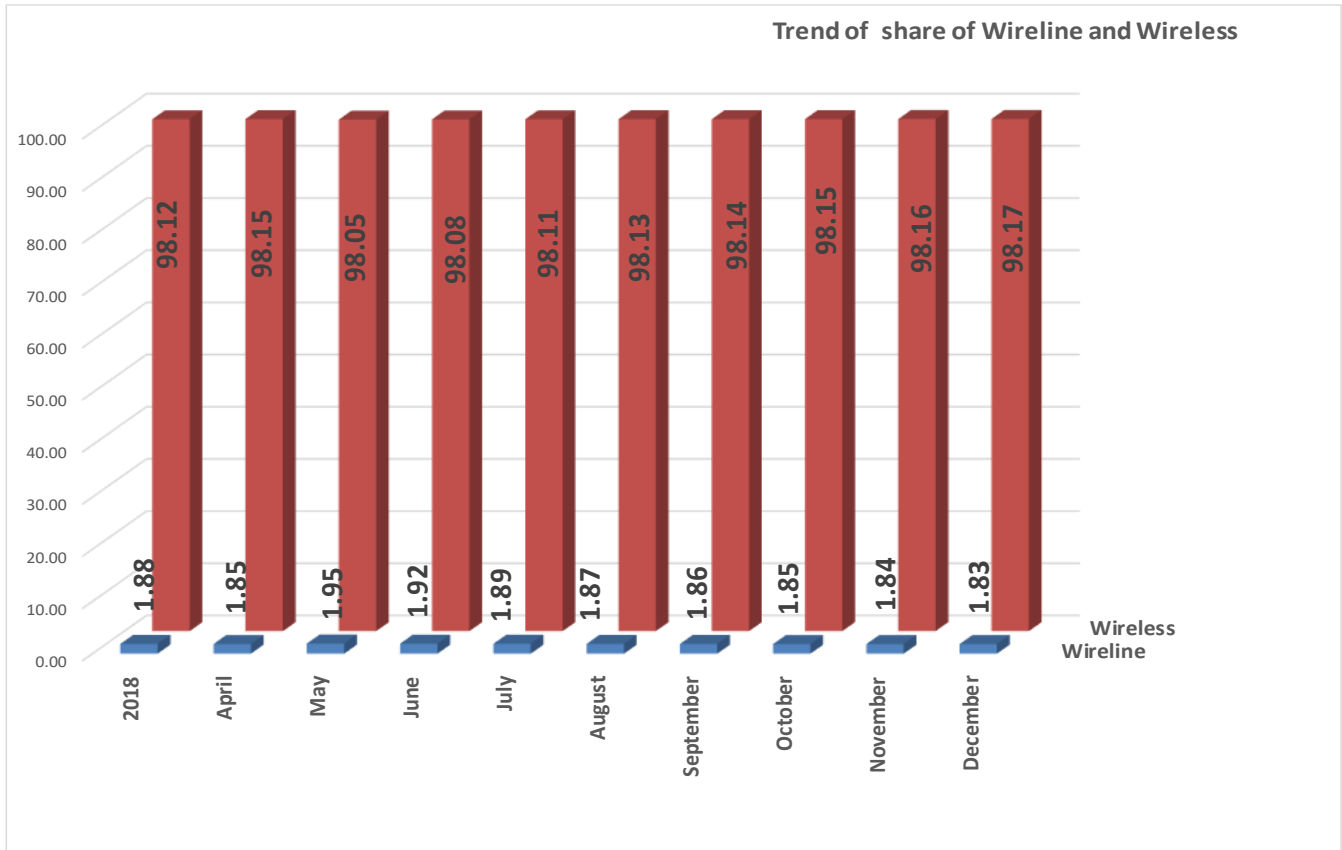
Teledensity : Service Area wise (in %age)										
Service Area	March'18	April'18	May'18	June'18	July'18	August'18	September'18	October'18	November'18	December'18
ANDHRA PRADESH	97.21	97.97	95.76	96.92	97.21	97.81	97.59	97.86	97.88	98.25
ASSAM	76.87	78.10	62.35	63.60	64.64	65.07	65.16	65.25	65.29	65.34
BIHAR	63.16	63.71	58.85	60.11	61.40	62.07	62.00	61.90	61.92	62.23
GUJARAT	112.45	112.44	110.45	110.39	109.58	109.89	109.30	108.76	109.21	109.53
HARYANA	84.44	94.97	95.13	96.62	97.71	98.52	97.72	97.36	97.49	97.88
HIMACHAL PRADESH	174.46	137.41	139.06	141.33	143.58	144.70	145.07	145.38	145.89	146.47
JAMMU & KASHMIR	109.19	112.28	85.79	87.88	90.83	89.40	89.82	90.37	90.67	90.99
KARNATAKA	109.05	110.07	106.83	108.30	109.87	110.51	110.66	110.87	110.83	110.87
KERALA	121.61	122.59	122.52	124.14	124.17	124.70	124.92	125.07	125.12	125.52
MADHYA PRADESH	67.02	67.98	68.43	69.73	70.93	71.75	72.25	85.59	72.16	72.29
MAHARASHTRA	95.50	95.59	94.16	94.82	94.92	95.29	94.81	80.32	94.46	94.96
NORTH-EAST	98.06	101.77	80.28	81.79	83.05	83.66	82.97	83.03	83.49	82.66
ORISSA	80.28	81.40	73.33	74.51	76.61	77.19	77.04	76.85	76.86	76.90
PUNJAB	123.45	124.28	122.63	124.14	125.80	126.15	125.66	125.97	126.08	125.98
RAJASTHAN	87.83	88.89	82.01	83.23	84.50	85.13	88.07	87.95	88.15	88.46
TAMIL NADU	136.36	139.67	114.13	116.04	115.63	116.38	117.16	117.37	117.59	117.73
UTTAR PRADESH - [East]	71.36	72.17	69.57	69.93	70.26	70.60	70.36	70.10	70.01	70.12
UTTAR PRADESH - [West]										
WEST BENGAL	73.73	75.07	70.40	71.74	73.14	73.18	72.88	72.75	72.77	73.23
KOLKATA	182.97	187.23	163.31	165.76	167.40	168.94	169.55	169.95	170.10	170.48
DELHI	254.49	257.69	229.85	232.25	233.23	234.88	234.97	236.14	235.88	235.65
MUMBAI	163.01	164.72	155.86	157.58	155.62	163.28	163.93	164.50	164.42	164.96
TOTAL	93.27	94.34	88.62	89.73	90.45	91.11	91.22	91.18	91.22	91.45

1. Source: BSNL/MTNL/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.



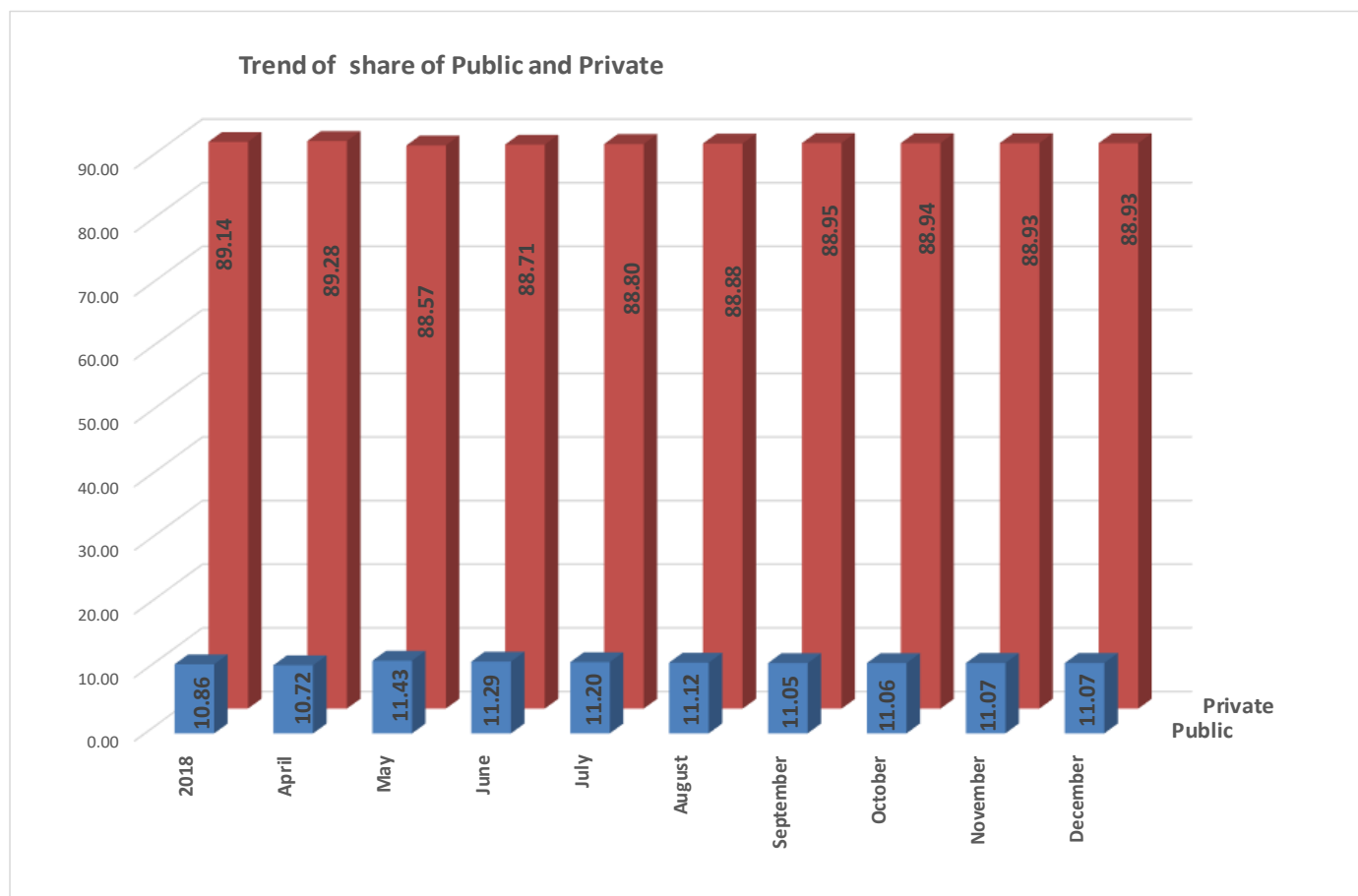
☞ The share of wireless segment in total connections stood at 98.17% by the end of December'18. The share of wireline telephones stood at 1.83%.



### Telephones: Wireline vs Wireless

Year ending 31st March	Telephones			Additions	Share% age		% age Growth		
	Wireline	Wireless	Total		Wireline	Wireless	Wireline	Wireless	Overall
<b>2018</b>	22810716	1188985751	<b>1211796467</b>	16808407	1.88	98.12	-6.52	1.57	<b>1.41</b>
<b>2018-19</b>									
<b>April</b>	22641689	1204223310	<b>1226864999</b>	15068532	1.85	98.15	-0.74	1.28	1.24
<b>May</b>	22508336	1131028085	<b>1153536421</b>	-73328578	1.95	98.05	-0.59	-6.08	-5.98
<b>June</b>	22395303	1146612666	<b>1169007969</b>	15471548	1.92	98.08	-0.50	1.38	1.34
<b>July</b>	22272252	1157165743	<b>1179437995</b>	10430026	1.89	98.11	-0.55	0.92	0.89
<b>August</b>	22187370	1166980170	<b>1189167540</b>	9729545	1.87	98.13	-0.38	0.85	0.82
<b>September</b>	22112755	1169502186	<b>1191614941</b>	2447401	1.86	98.14	-0.34	0.22	0.21
<b>October</b>	22023494	1170106737	<b>1192130231</b>	515290	1.85	98.15	-0.40	0.05	0.04
<b>November</b>	21961248	1171823891	<b>1193785139</b>	1654908	1.84	98.16	-0.28	0.15	0.14
<b>December</b>	21868192	1176021869	<b>1197890061</b>	4104922	1.83	98.17	-0.42	0.36	0.34

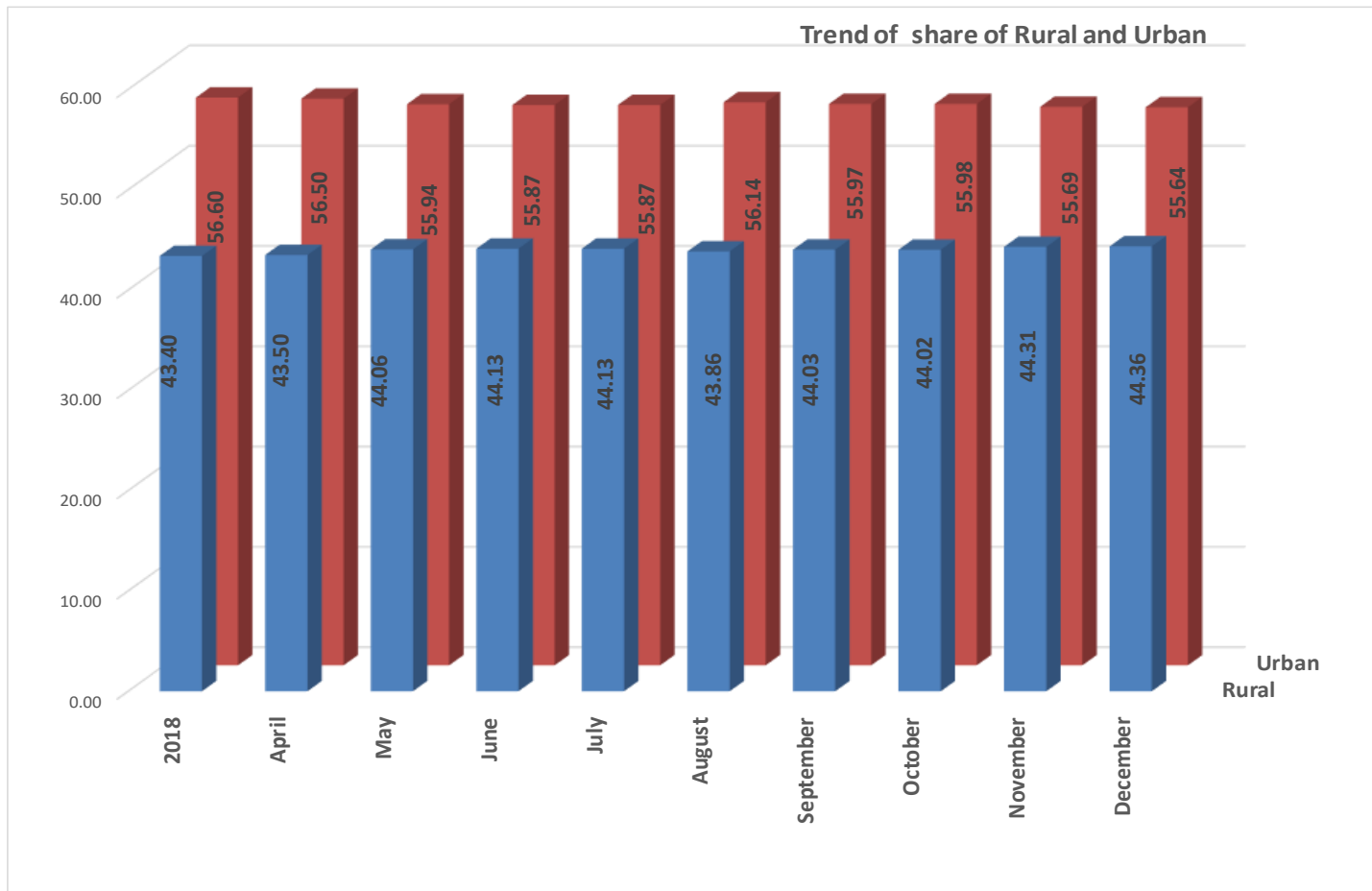
☞ In December'18, share of public sector in total telephones was 11.07%, as against 88.93% share of the private sector.



**Telephones: Public vs. Private**

Year ending 31st March	Telephones			Additions		Share% age		% age Growth	
	Public	Private	Total	Public	Private	Public	Private	Public	Private
<b>2018</b>	131655262	1080141205	<b>1211796467</b>	9477923	7330484	10.86	89.14	7.76	0.68
<b>2018-19</b>									
<b>April</b>	131495571	1095369428	<b>1226864999</b>	-159691	15228223	10.72	89.28	-0.12	1.41
<b>May</b>	131853133	1021683288	<b>1153536421</b>	357562	-73686140	11.43	88.57	0.27	-6.73
<b>June</b>	131962915	1037045054	<b>1169007969</b>	109782	15361766	11.29	88.71	0.08	1.50
<b>July</b>	132071285	1047366710	<b>1179437995</b>	108370	10321656	11.20	88.80	0.08	1.00
<b>August</b>	132181397	1056986143	<b>1189167540</b>	110112	9619433	11.12	88.88	0.08	0.92
<b>September</b>	131681745	1059933196	<b>1191614941</b>	-499652	2947053	11.05	88.95	-0.38	0.28
<b>October</b>	131846541	1060283690	<b>1192130231</b>	164796	350494	11.06	88.94	0.13	0.03
<b>November</b>	132137473	1061647666	<b>1193785139</b>	290932	1363976	11.07	88.93	0.22	0.13
<b>December</b>	132575567	1065314494	<b>1197890061</b>	438094	3666828	11.07	88.93	0.33	0.35

☞ Share of rural areas in total telephones increased to 44.36% in December'18 against 44.31% of November'18. The share of urban areas, on the other hand, decreased to 55.64% from 55.69% in November'18.



### Telephones: Rural vs. Urban

Year ending 31st March	Telephones			Additions		Share% age		% age Growth	
	Rural	Urban	Total	Rural	Urban	Rural	Urban	Rural	Urban
<b>2018</b>	525869058	685927409	<b>1211796467</b>	24062515	-7254108	43.40	56.60	4.80	-1.05
<b>2018-19</b>									
<b>April</b>	533731736	693133263	<b>1226864999</b>	7862678	7205854	43.50	56.50	1.50	1.05
<b>May</b>	508300918	645235503	<b>1153536421</b>	-25430818	-47897760	44.06	55.94	-4.76	-6.91
<b>June</b>	515907423	653100546	<b>1169007969</b>	7606505	7865043	44.13	55.87	1.50	1.22
<b>July</b>	520458580	658979415	<b>1179437995</b>	4551157	5878869	44.13	55.87	0.88	0.90
<b>August</b>	521532905	667634635	<b>1189167540</b>	1074325	8655220	43.86	56.14	0.21	1.31
<b>September</b>	524677667	666937274	<b>1191614941</b>	3144762	-697361	44.03	55.97	0.60	-0.10
<b>October</b>	524761838	667368393	<b>1192130231</b>	84171	431119	44.02	55.98	0.02	0.06
<b>November</b>	529009007	664776132	<b>1193785139</b>	4247169	-2592261	44.31	55.69	0.81	-0.39
<b>December</b>	531378410	666511651	<b>1197890061</b>	2369403	1735519	44.36	55.64	0.45	0.26

Overall teledensity for the month of December'18 stood at 91.45% as against 91.22% in November'18. The Teledensity for wireless segment was 89.78% whereas that of wireline segment is 1.67%. Teledensity reported in rural areas was 59.53% and that in the urban areas was 159.75%. In Public sector, teledensity was 10.12% and in Private sector, it was 81.33% for the month of December'18.

Year ending 31st March	Teledensity (%age)						
	Rural	Urban	Overall	Wireline	Wireless	Public	Private
<b>2018</b>	59.25	166.64	<b>93.27</b>	1.76	91.51	10.13	83.14
<b>2018-19</b>							
<b>April</b>	60.09	168.14	<b>94.34</b>	1.74	92.60	10.11	84.23
<b>May</b>	57.19	156.28	<b>88.62</b>	1.73	86.90	10.13	78.49
<b>June</b>	58.01	157.95	<b>89.73</b>	1.72	88.01	10.13	79.60
<b>July</b>	58.49	159.13	<b>90.45</b>	1.71	88.74	10.13	80.32
<b>August</b>	58.57	160.98	<b>91.11</b>	1.70	89.41	10.13	80.99
<b>September</b>	58.89	160.57	<b>91.22</b>	1.69	89.53	10.08	81.14
<b>October</b>	58.86	160.43	<b>91.18</b>	1.68	89.49	10.08	81.09
<b>November</b>	59.30	159.57	<b>91.22</b>	1.68	89.54	10.10	81.12
<b>December</b>	59.53	159.75	<b>91.45</b>	1.67	89.78	10.12	81.33

☞ The number of Internet subscribers (both broadband and narrowband put together) which was 429.25 million at the end of September, 2017 increased to 560.01 million by the end of September'18 registering a quarterly growth of 9.32%. The number of subscribers accessing internet via wireless phones was 538.76 million at the end of September'18. The number of wired Internet subscribers was 21.25 million at the end of September'18.

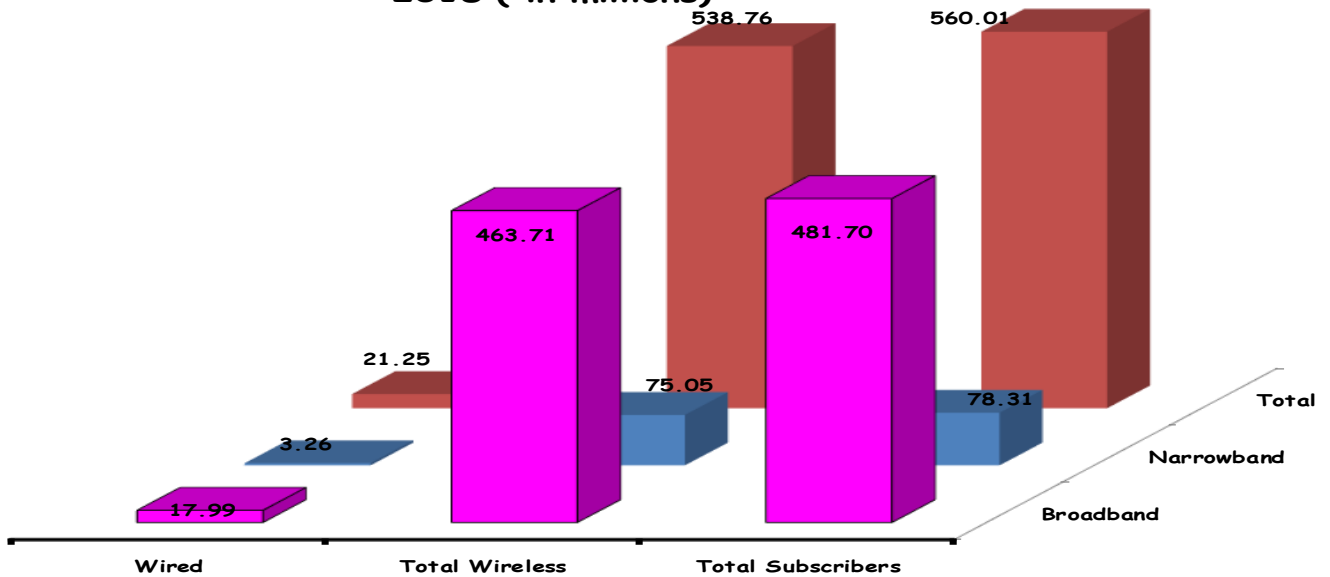
**Trend of Internet Subscribers**

Total Internet Subscribers (Includes wired, fixed Wireless and Mobile Wireless)	September'17	December'17	March'18	June'18	September'18
	429.25	445.96	493.95	512.27	560.01
Quarterly Growth (in Percentage)	-0.45	3.89	10.76	3.71	9.32

Internet Subscriber Base in India - September'18 * (in million)			
Segment	Wired	Total Wireless	Total
Broadband	17.99	463.71	481.70
Narrowband	3.26	75.05	78.31
Total	21.25	538.76	560.01

\* As per the TRAI input

**Internet Subscribers - September 2018 ( in millions)**



☞ The number of Broadband subscribers was 518.55 million at the end of December'18 as compared to 511.90 million in November'18, showing an increase of 1.30%.

<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>% growth</b>
<b>January'18</b>	17.87	360.23	378.10	
<b>February'18</b>	17.72	374.34	392.06	3.69
<b>March'18</b>	17.95	394.65	412.60	5.24
<b>April'18</b>	17.97	401.83	419.80	1.75
<b>May'18</b>	17.94	414.06	432.00	2.91
<b>June'18</b>	17.90	429.22	447.12	3.50
<b>July'18</b>	17.95	442.29	460.24	2.93
<b>August'18</b>	18.02	445.63	463.65	0.74
<b>September'18</b>	17.99	463.71	481.70	3.89
<b>October'18</b>	18.10	478.02	496.12	2.99
<b>November'18</b>	18.09	493.81	511.90	3.18
<b>December'18</b>	18.17	500.38	518.55	1.30

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