

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

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Dated: January 21, 2020

**Subject: - Monthly Telecom Scenario as on 31<sup>st</sup> October'19.**

Please find enclosed Monthly Telecom Scenario, which contains updated figures on various telecom parameters up to October'19.



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Secretary-DOT

Member (F)

Member (S)

Member (T)

Adviser (F)

Adviser (T)

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**Copy to:**

Senior Economic Adviser

Economic Adviser – (Vacant)



# Monthly Telecom Scenario

October'19



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	October'19	September'19
<b>Total Phones</b>	<b>million</b>	<b>1203.72</b>	<b>1194.25</b>
Wireline		20.47	20.63
Wireless		1183.26	1173.61
Rural		522.91	514.70
Urban		680.81	679.55
Public		133.76	133.63
Private		1069.96	1060.62
Wireline %age to Total Phones		<b>%age</b>	1.70
Wireless %age to Total Phones	98.30		98.27
Rural %age to Total Phones	43.44		43.10
Urban %age to Total Phones	56.56		56.90
Public %age to Total Phones	11.11		11.19
Private %age to Total Phones	88.89		88.81
<b>Overall Teledensity</b>	<b>%age</b>	<b>91.09</b>	<b>90.45</b>
Wireline Teledensity		1.55	1.56
Wireless Teledensity		89.54	88.89
Rural Teledensity		58.23	57.35
Urban Teledensity		160.78	160.71
Public		10.12	10.12
Private		80.96	80.33
<b>Teledensity: Top five Circles</b>	<b>%age</b>		
Himachal Pradesh		150.79	149.16
Kerala		128.72	128.22
Punjab		128.65	127.11
Tamil Nadu		117.55	116.99
Karnataka		110.99	110.89
<b>Teledensity: Metros</b>	<b>%age</b>		
Delhi		242.50	241.74
Mumbai		167.90	167.05
Kolkata		165.07	164.79
<b>Broadband</b>	<b>million</b>	<b>644.08</b>	<b>625.42</b>



At the end of October'19, the total number of telephones was 1203.72 million, compared to 1194.25 million by the end of September'19, showing an increase of 9.48 million. Maximum rise in total telephone connections was recorded in Madhya Pradesh (1277077) followed by Maharashtra (1020177) and Rajasthan (663970). However, Jammu & Kashmir, Kolkata and Karnataka recorded a fall in telephone connections over previous month, with a decrease of 36886, 68047 & 105485 respectively.

### Telephones: Service area-wise (2019-20)

#### Total Telephones : Service Area wise

Service Area	March'19	April'19	May'19	June'19	July'19	August'19	September'19	October'19
ANDHRA PRADESH	88170245	88005801	87772495	88346463	88676456	88861040	88888759	89436815
ASSAM	23080711	23426284	23505762	23654357	23890306	23956868	24145407	24538253
BIHAR	85308742	85632929	85736314	85786473	85735615	85650504	85409060	86031547
GUJARAT	70534207	69856023	70087384	70026992	69909625	69806019	69830339	70243608
HARYANA	27990960	27886734	28015983	28162818	28215673	28393309	28512500	28940957
HIMACHAL PRADESH	10630749	10591921	10641770	10673781	10743442	10825956	10872150	10998912
JAMMU & KASHMIR	11437233	11452673	11441112	11580370	11696187	11564926	11450196	11413310
KARNATAKA	70398285	69680955	69780523	70274172	70424508	70983741	71208468	71313953
KERALA	45840356	45979276	45904226	46116150	46276578	46432490	46704420	46901909
MADHYA PRADESH	75718114	76066495	76251601	76170526	76042006	76157729	76317830	77594907
MAHARASHTRA	94548392	94533229	94185011	94213729	94775464	94804386	95095079	96115256
NORTH-EAST	12115134	11988972	12082247	12136007	12282647	12336929	12393775	12530464
ORISSA	32930410	32581015	32761956	32960432	33137307	32726280	33093017	33654394
PUNJAB	40014807	40000402	39954333	40076000	40117308	40549692	40786991	41313260
RAJASTHAN	64774956	65239401	65545977	65679103	66131358	66137356	66166677	66830647
TAMIL NADU	84480470	84400843	84154586	84142426	84279751	84525637	84722766	85159496
UTTAR PRADESH - [East]	99449999	100076523	99691849	100235544	100107611	100560388	100742350	101255538
UTTAR PRADESH - [West]	64887552	64964997	64766668	65160805	65284678	65229975	65378539	65893759
WEST BENGAL	57719640	57551550	56670731	56621352	56679312	56756145	56856147	57227643
KOLKATA	27047850	27036593	26981101	26993467	26954220	26998706	27061517	27129564
DELHI	55394424	55749272	56100399	56241303	56548361	56818705	56920370	57231040
MUMBAI	40934182	40966369	40987394	41276410	41371677	41716177	41689518	41967447
<b>TOTAL</b>	<b>1183407418</b>	<b>1183668257</b>	<b>1183019422</b>	<b>1186528680</b>	<b>1189280090</b>	<b>1191792958</b>	<b>1194245875</b>	<b>1203722679</b>

1 Source: BSNL/MTNL/COAI



Service area-wise analysis reveals that Uttar Pradesh - [East] had the highest share in the total telephones (8.41%) followed by Maharashtra (7.98%), Andhra Pradesh (7.43%), Bihar (7.15%) and Tamil Nadu (7.07%). These five Service areas taken together accounted for 38.04% of total telephone connections in India.

<b>Telephones during the month of October'19</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>	1284898	88151917	<b>89436815</b>	<b>7.43</b>
<b>ASSAM</b>	104360	24433893	<b>24538253</b>	<b>2.04</b>
<b>BIHAR</b>	170925	85860622	<b>86031547</b>	<b>7.15</b>
<b>GUJARAT</b>	1078535	69165073	<b>70243608</b>	<b>5.84</b>
<b>HARYANA</b>	253353	28687604	<b>28940957</b>	<b>2.40</b>
<b>HIMACHAL PRADESH</b>	103942	10894970	<b>10998912</b>	<b>0.91</b>
<b>JAMMU &amp; KASHMIR</b>	120911	11292399	<b>11413310</b>	<b>0.95</b>
<b>KARNATAKA</b>	2096845	69217108	<b>71313953</b>	<b>5.92</b>
<b>KERALA</b>	1805805	45096104	<b>46901909</b>	<b>3.90</b>
<b>MADHYA PRADESH</b>	862963	76731944	<b>77594907</b>	<b>6.45</b>
<b>MAHARASHTRA</b>	1390543	94724713	<b>96115256</b>	<b>7.98</b>
<b>NORTH-EAST</b>	95749	12434715	<b>12530464</b>	<b>1.04</b>
<b>ORISSA</b>	217825	33436569	<b>33654394</b>	<b>2.80</b>
<b>PUNJAB</b>	711269	40601991	<b>41313260</b>	<b>3.43</b>
<b>RAJASTHAN</b>	489977	66340670	<b>66830647</b>	<b>5.55</b>
<b>TAMIL NADU</b>	2050662	83108834	<b>85159496</b>	<b>7.07</b>
<b>UTTAR PRADESH - [East]</b>	394167	100861371	<b>101255538</b>	<b>8.41</b>
<b>UTTAR PRADESH - [West]</b>	270081	65623678	<b>65893759</b>	<b>5.47</b>
<b>WEST BENGAL</b>	179374	57048269	<b>57227643</b>	<b>4.75</b>
<b>KOLKATA</b>	660264	26469300	<b>27129564</b>	<b>2.25</b>
<b>DELHI</b>	3240074	53990966	<b>57231040</b>	<b>4.75</b>
<b>MUMBAI</b>	2883828	39083619	<b>41967447</b>	<b>3.49</b>
<b>TOTAL</b>	<b>20466350</b>	<b>1183256329</b>	<b>1203722679</b>	<b>100.00</b>

1 Source: BSNL/MTNL/COAI



The overall tele-density at the end of October'19 stood at 91.09%. Among the Service areas, Himachal Pradesh (150.79%) had the highest tele-density followed by Kerala (128.72%), Punjab (128.65%), Tamil Nadu (117.55%) and Karnataka (110.99%). Among the three metros, Delhi Service Area topped in tele-density with 242.50%, followed by Mumbai (167.90%) and Kolkata (165.07%).

### Tele-density: Service area-wise (in %age) (2019-20)

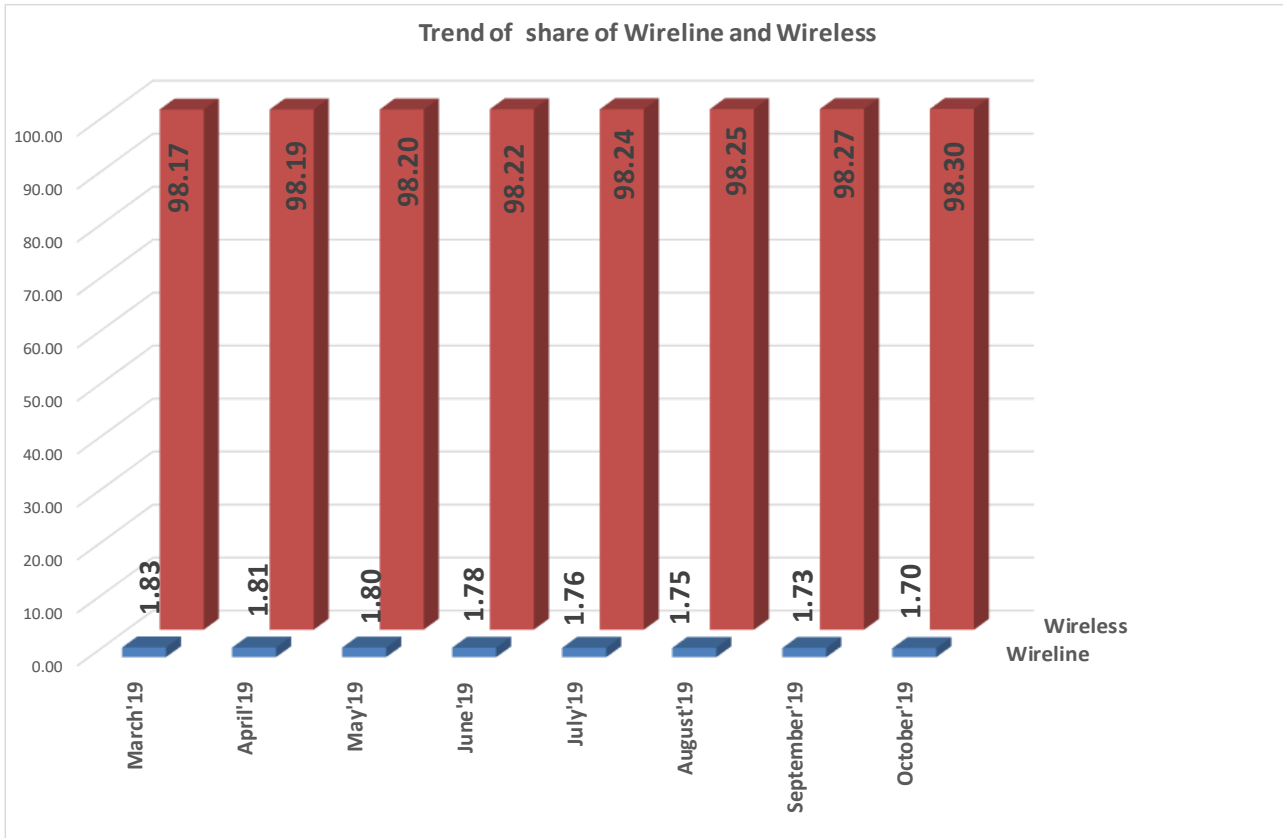
Teledensity : Service Area wise (in %age)								
Service Area	March'19	April'19	May'19	June'19	July'19	August'19	September'19	October'19
ANDHRA PRADESH	97.55	97.32	97.00	97.58	97.89	98.04	98.01	98.56
ASSAM	68.81	69.78	69.96	70.34	70.98	71.12	71.62	72.72
BIHAR	59.95	60.12	60.15	60.13	60.04	59.93	59.71	60.09
GUJARAT	107.21	106.09	106.35	106.17	105.90	105.65	105.60	106.13
HARYANA	97.66	97.19	97.54	97.94	98.02	98.53	98.84	100.22
HIMACHAL PRADESH	146.37	145.73	146.34	146.70	147.55	148.61	149.16	150.79
JAMMU & KASHMIR	89.43	89.49	89.33	90.36	91.20	90.11	89.16	88.81
KARNATAKA	110.04	108.85	108.94	109.64	109.81	110.61	110.89	110.99
KERALA	126.15	126.48	126.22	126.76	127.15	127.53	128.22	128.72
MADHYA PRADESH	70.11	70.36	70.47	70.32	70.13	70.16	70.24	71.34
MAHARASHTRA	92.83	92.75	92.33	92.29	92.77	92.72	92.93	93.86
NORTH-EAST	84.17	83.22	83.81	84.11	85.07	85.37	85.70	86.58
ORISSA	75.74	74.90	75.27	75.68	76.04	75.05	75.85	77.09
PUNJAB	125.35	125.19	124.94	125.22	125.24	126.48	127.11	128.65
RAJASTHAN	85.34	85.86	86.18	86.26	86.77	86.69	86.64	87.42
TAMIL NADU	116.94	116.79	116.40	116.33	116.48	116.77	116.99	117.55
UTTAR PRADESH - [East]	68.63	68.85	68.52	68.83	68.75	68.83	68.89	69.24
UTTAR PRADESH - [West]								
WEST BENGAL	71.39	71.14	70.00	69.90	69.92	69.97	70.05	70.47
KOLKATA	165.51	165.31	164.83	164.78	164.41	164.54	164.79	165.07
DELHI	238.57	239.54	240.49	240.53	241.28	241.87	241.74	242.50
MUMBAI	165.62	165.49	165.31	166.20	166.31	167.43	167.05	167.90
TOTAL	90.10	90.04	89.91	90.10	90.23	90.34	90.45	91.09

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.



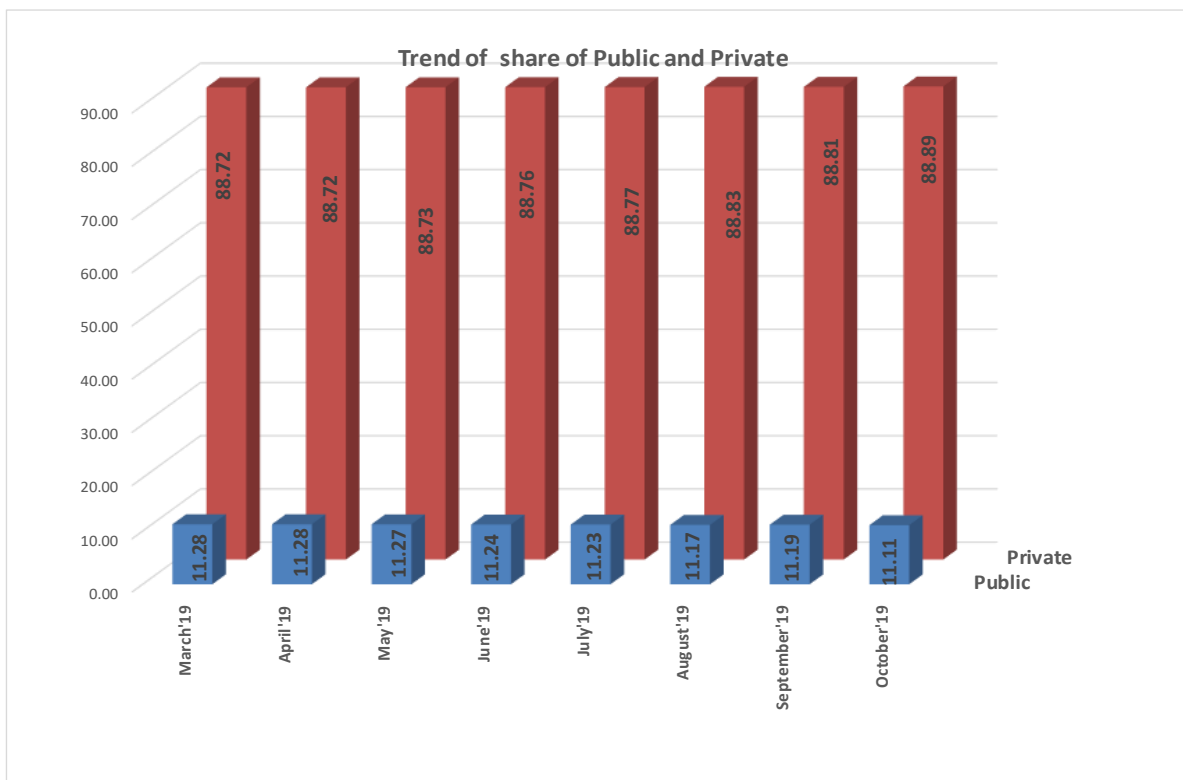
☞ The share of wireless segment in total connections stood at 98.30% by the end of October'19, while the share of wireline telephones was 1.70%.



### Telephones: Wireline vs Wireless (2019-20)

Month	Telephones			Additions	Share% age		% age Growth		
	Wireline	Wireless	Total		Wireline	Wireless	Wireline	Wireless	Overall
<b>March'19</b>	21695946	1161711472	<b>1183407418</b>	-21974550	1.83	98.17	-0.09	-1.85	-1.82
<b>2019-20</b>									
<b>April'19</b>	21472015	1162196242	<b>1183668257</b>	260839	1.81	98.19	-1.03	0.04	0.02
<b>May'19</b>	21289148	1161730274	<b>1183019422</b>	-648835	1.80	98.20	-0.85	-0.04	-0.05
<b>June'19</b>	21169532	1165359148	<b>1186528680</b>	3509258	1.78	98.22	-0.56	0.31	0.30
<b>July'19</b>	20964717	1168315373	<b>1189280090</b>	2751410	1.76	98.24	-0.97	0.25	0.23
<b>August'19</b>	20817909	1170975049	<b>1191792958</b>	2512868	1.75	98.25	-0.70	0.23	0.21
<b>September'19</b>	20633291	1173612584	<b>1194245875</b>	2452917	1.73	98.27	-0.89	0.23	0.21
<b>October'19</b>	20466350	1183256329	<b>1203722679</b>	9476804	1.70	98.30	-0.81	0.82	0.79

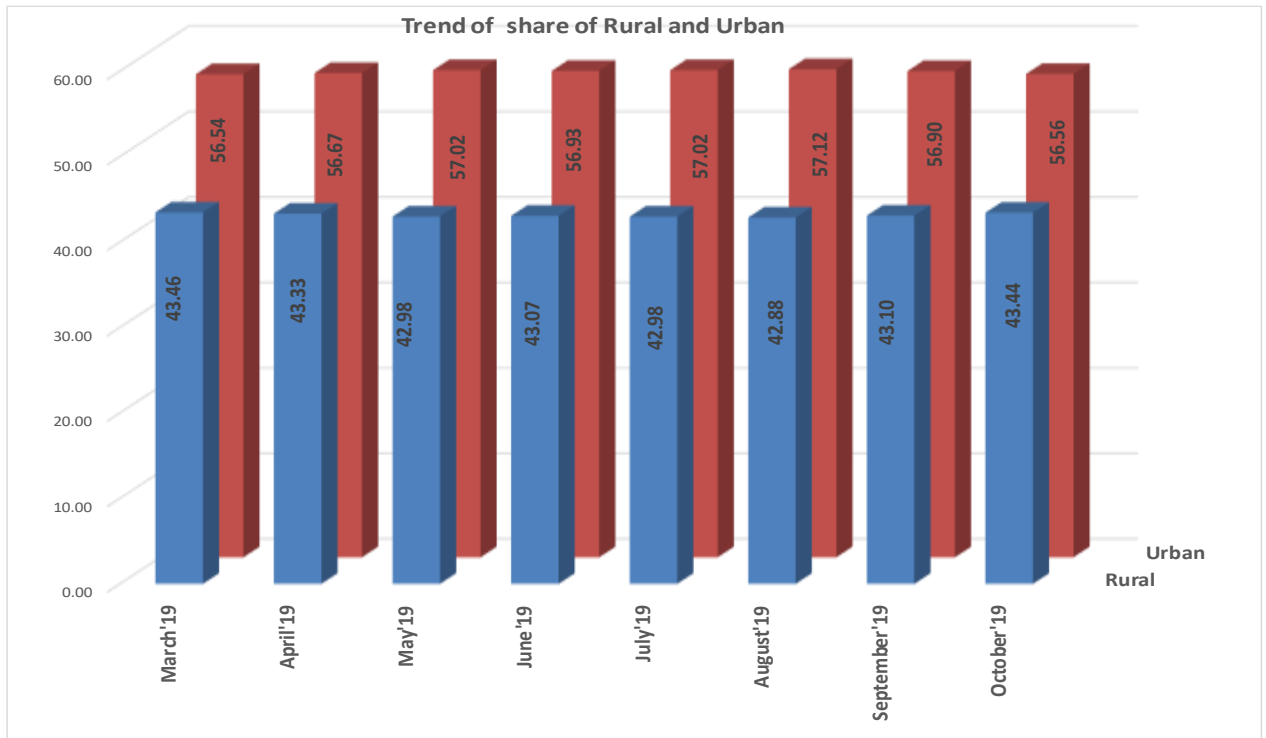
👉 In October'19, share of public sector in total telephones was 11.11%, as against 88.89% of the private sector. In September'19, it was 11.19% and 88.81% respectively.



### Telephones: Public vs. Private (2019-20)

Month	Telephones			Additions		Share% age		% age Growth	
	Public	Private	Total	Public	Private	Public	Private	Public	Private
<b>March'19</b>	133507010	1049900408	<b>1183407418</b>	-710623	-21263927	11.28	88.72	-0.53	-1.99
<b>2019-20</b>									
<b>April'19</b>	133496437	1050171820	<b>1183668257</b>	-10573	271412	11.28	88.72	-0.01	0.03
<b>May'19</b>	133274353	1049745069	<b>1183019422</b>	-222084	-426751	11.27	88.73	-0.17	-0.04
<b>June'19</b>	133389198	1053139482	<b>1186528680</b>	114845	3394413	11.24	88.76	0.09	0.32
<b>July'19</b>	133584299	1055695791	<b>1189280090</b>	195101	2556309	11.23	88.77	0.15	0.24
<b>August'19</b>	133164033	1058628925	<b>1191792958</b>	-420266	2933134	11.17	88.83	-0.31	0.28
<b>September'19</b>	133626953	1060618922	<b>1194245875</b>	462920	1989997	11.19	88.81	0.35	0.19
<b>October'19</b>	133756966	1069965713	<b>1203722679</b>	130013	9346791	11.11	88.89	0.10	0.88

☞ Share of rural areas in total telephones increased to 43.44% in October'19 against 43.10% of September'19. The share of urban areas, on the other hand, decreased to 56.56% from 56.90% in September'19.



**Telephones: Rural vs. Urban (2019-20)**

Month	Telephones			Additions		Share% age		% age Growth	
	Rural	Urban	Total	Rural	Urban	Rural	Urban	Rural	Urban
<b>March'19</b>	514266285	669141133	<b>1183407418</b>	-12160321	-9814229	43.46	56.54	-2.31	-1.45
<b>2019-20</b>									
<b>April'19</b>	512841024	670827233	<b>1183668257</b>	-1425261	1686100	43.33	56.67	-0.28	0.25
<b>May'19</b>	508423677	674595745	<b>1183019422</b>	-4417347	3768512	42.98	57.02	-0.86	0.56
<b>June'19</b>	511002667	675526013	<b>1186528680</b>	2578990	930268	43.07	56.93	0.51	0.14
<b>July'19</b>	511093137	678186953	<b>1189280090</b>	90470	2660940	42.98	57.02	0.02	0.39
<b>August'19</b>	510993173	680799785	<b>1191792958</b>	-99964	2612832	42.88	57.12	-0.02	0.39
<b>September'19</b>	514704170	679541705	<b>1194245875</b>	3710997	-1258080	43.10	56.90	0.73	-0.18
<b>October'19</b>	522911018	680811661	<b>1203722679</b>	8206848	1269956	43.44	56.56	1.59	0.19

☞ Overall teledensity for the month of October'19 stood at 91.09% as against 90.45% in September'19. The Teledensity for wireless segment was 89.54% whereas that of wireline segment is 1.55%. Teledensity reported in rural areas was 58.23% and that in the urban areas was 160.78%. In Public sector, teledensity was 10.12% and in Private sector, it was 80.96% for the month of October'19.

### Tele-density (2019-20)

Month	Teledensity (%age)						
	Rural	Urban	Overall	Wireline	Wireless	Public	Private
<b>March'19</b>	57.50	159.66	<b>90.10</b>	1.65	88.45	10.16	79.94
<b>2019-20</b>							
<b>April'19</b>	57.31	159.83	<b>90.04</b>	1.63	88.41	10.16	79.89
<b>May'19</b>	56.78	160.49	<b>89.91</b>	1.62	88.30	10.13	79.78
<b>June'19</b>	57.04	160.47	<b>90.10</b>	1.61	88.49	10.13	79.97
<b>July'19</b>	57.01	160.87	<b>90.23</b>	1.59	88.64	10.14	80.10
<b>August'19</b>	56.97	161.25	<b>90.34</b>	1.58	88.76	10.09	80.25
<b>September'19</b>	57.35	160.71	<b>90.45</b>	1.56	88.89	10.12	80.33
<b>October'19</b>	58.23	160.78	<b>91.09</b>	1.55	89.54	10.12	80.96



The number of Internet subscribers (both broadband and narrowband put together) which was 560.01 million at the end of September,2018 increased to 687.54 million by the end of September'19 registering a quarterly growth of 3.34% over April- June'19. The number of subscribers accessing internet via wireless phones was 665.31 million at the end of September'19. The number of wired Internet subscribers was 22.23 million at the end of September'19.

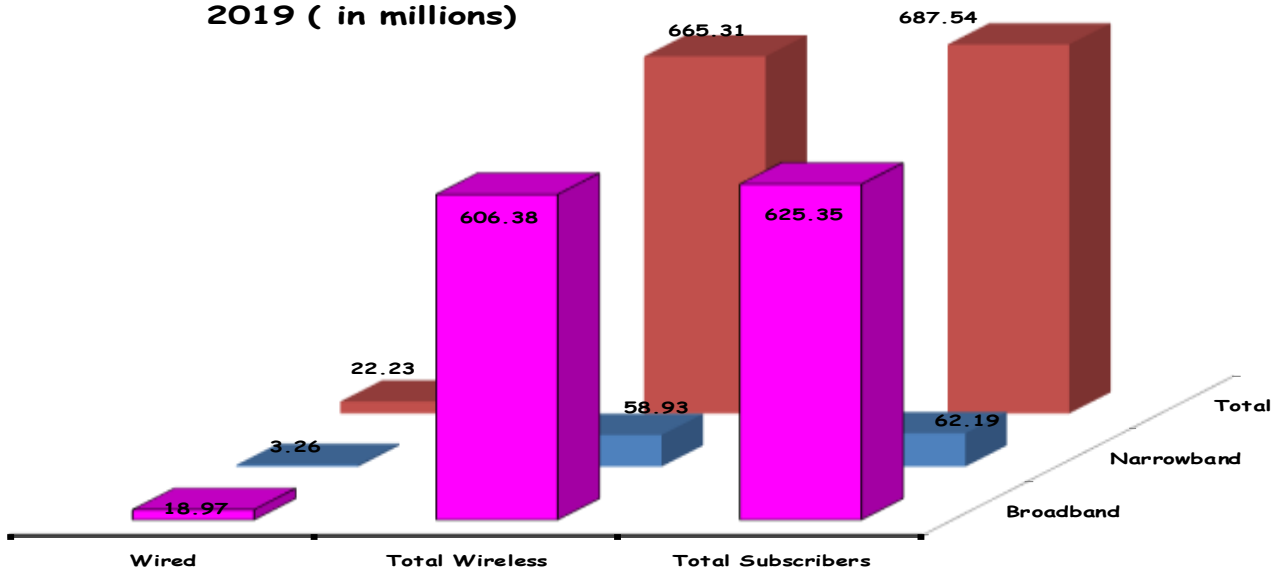
### Trend of Internet Subscribers

Total Internet Subscribers (Includes wired, fixed Wireless and Mobile Wireless)	September'18	December'18	March'19	June'19	September'19
	560.01	604.21	636.74	665.35	687.54
Quarterly Growth (in Percentage)	9.32	7.89	5.38	4.49	3.34

Internet Subscriber Base in India - September'19 * (in million)			
Segment	Wired	Total Wireless	Total
Broadband	18.97	606.38	625.35
Narrowband	3.26	58.93	62.19
Total	22.23	665.31	687.54

\* As per the TRAI input

### Internet Subscribers - September 2019 ( in millions)



☞ The number of Broadband subscribers was 644.08 million at the end of October'19 as compared to 625.42 million in September'19, showing an increase of 1.67%.

<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>April'19</b>	18.41	553.53	571.94	1.53
<b>May'19</b>	18.45	563.06	581.51	1.67
<b>June'19</b>	18.42	576.17	594.59	2.25
<b>July'19</b>	18.52	585.6	604.12	1.60
<b>August'19</b>	18.32	597.11	615.43	1.87
<b>September'19</b>	19.01	606.41	625.42	1.62
<b>October'19</b>	19.08	625	644.08	2.98

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