

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

\*\*\*\*

Dated: February 20, 2020

**Subject: - Monthly Telecom Scenario as on 30th November'19.**

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



**(Basant Kumar)**  
**Director (ERU-STT)**

**Telephone No.: 23218848**

Secretary-DOT

Member (F)

Member (S)

Member (T)

Adviser (F)

Adviser (T)

ALL Sr. DDG's & DDGs' – (Actts)/ (TPF) / (AKS)/(AS)/(BB-

USOF)/(BW)/(C&A)/(CS)/(CVO)/(DS)/(Estt)/(FEB)/(IC)/(IR)/(LFA)/(LFP)/(NT)/(PG)/(PPS)/(SR)

/(Security)/(SU)/ (Tech)/(TEC)/(TERM)/(WPF)

**Copy to:**

Senior Economic Adviser

Economic Adviser- (Vacant)



# Monthly Telecom Scenario

November'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	November'19	October'19
<b>Total Phones</b>	<b>million</b>	<b>1174.66</b>	<b>1203.72</b>
Wireline		20.27	20.47
Wireless		1154.39	1183.26
Rural		509.62	522.91
Urban		665.04	680.81
Public		133.86	133.76
Private		1040.80	1069.96
Wireline %age to Total Phones	<b>%age</b>	1.73	1.70
Wireless %age to Total Phones		98.27	98.30
Rural %age to Total Phones		43.38	43.44
Urban %age to Total Phones		56.62	56.56
Public %age to Total Phones		11.40	11.11
Private %age to Total Phones		88.60	88.89
<b>Overall Teledensity</b>	<b>%age</b>	<b>88.81</b>	<b>91.09</b>
Wireline Teledensity		1.53	1.55
Wireless Teledensity		87.28	89.54
Rural Teledensity		56.71	58.23
Urban Teledensity		156.82	160.78
Public		10.12	10.12
Private		78.69	80.96
<b>Teledensity: Top five Circles</b>	<b>%age</b>		
Himachal Pradesh		148.81	150.79
Kerala		124.65	128.72
Punjab		124.24	128.65
Tamil Nadu		115.93	117.55
Karnataka		108.52	110.99
<b>Teledensity: Metros</b>	<b>%age</b>		
Delhi		237.72	242.50
Mumbai		164.10	167.90
Kolkata		161.33	165.07
<b>Broadband</b>	<b>million</b>	<b>661.27</b>	<b>644.08</b>



At the end of November'19, the total number of telephones was 1174.66 million, compared to 1203.72 million by the end of October'19, showing a decrease of 29.06 million. Uttar Pradesh - [East], Madhya Pradesh and Uttar Pradesh - [West] recorded the maximum fall in telephone connections over previous month, with a decrease of 5320741, 2157716 & 2052691 respectively.

Total Telephones : Service Area wise									
Service Area	March'19	April'19	May'19	June'19	July'19	August'19	September'19	October'19	November'19
ANDHRA PRADESH	88170245	88005801	87772495	88346463	88676456	88861040	88888759	89436815	88501659
ASSAM	23080711	23426284	23505762	23654357	23890306	23956868	24145407	24538253	23759015
BIHAR	85308742	85632929	85736314	85786473	85735615	85650504	85409060	86031547	84920819
GUJARAT	70534207	69856023	70087384	70026992	69909625	69806019	69830339	70243608	68734013
HARYANA	27990960	27886734	28015983	28162818	28215673	28393309	28512500	28940957	28165412
HIMACHAL PRADESH	10630749	10591921	10641770	10673781	10743442	10825956	10872150	10998912	10859954
JAMMU & KASHMIR	11437233	11452673	11441112	11580370	11696187	11564926	11450196	11413310	9952721
KARNATAKA	70398285	69680955	69780523	70274172	70424508	70983741	71208468	71313953	69772221
KERALA	45840356	45979276	45904226	46116150	46276578	46432490	46704420	46901909	45439526
MADHYA PRADESH	75718114	76066495	76251601	76170526	76042006	76157729	76317830	77594907	75437191
MAHARASHTRA	94548392	94533229	94185011	94213729	94775464	94804386	95095079	96115256	94270891
NORTH-EAST	12115134	11988972	12082247	12136007	12282647	12336929	12393775	12530464	12219383
ORISSA	32930410	32581015	32761956	32960432	33137307	32726280	33093017	33654394	33431620
PUNJAB	40014807	40000402	39954333	40076000	40117308	40549692	40786991	41313260	39932617
RAJASTHAN	64774956	65239401	65545977	65679103	66131358	66137356	66166677	66830647	65924226
TAMIL NADU	84480470	84400843	84154586	84142426	84279751	84525637	84722766	85159496	84015730
UTTAR PRADESH - [East]	99449999	100076523	99691849	100235544	100107611	100560388	100742350	101255538	95934797
UTTAR PRADESH - [West]	64887552	64964997	64766668	65160805	65284678	65229975	65378539	65893759	63841068
WEST BENGAL	57719640	57551550	56670731	56621352	56679312	56756145	56856147	57227643	55693903
KOLKATA	27047850	27036593	26981101	26993467	26954220	26998706	27061517	27129564	26537089
DELHI	55394424	55749272	56100399	56241303	56548361	56818705	56920370	57231040	56232485
MUMBAI	40934182	40966369	40987394	41276410	41371677	41716177	41689518	41967447	41084536
<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>	<b>1174660876</b>

1 Source: BSNL/MTNL/COAI



Service area-wise analysis reveals that Uttar Pradesh - [East] had the highest share in the total telephones (8.17%) followed by Maharashtra (8.03%), Andhra Pradesh (7.53%), Bihar (7.23%) and Tamil Nadu (7.15%). These five Service areas taken together accounted for 38.11% of total telephone connections in India.

<b>Telephones during the month of November'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>	1275020	87226639	<b>88501659</b>	<b>7.53</b>
<b>ASSAM</b>	102227	23656788	<b>23759015</b>	<b>2.02</b>
<b>BIHAR</b>	167811	84753008	<b>84920819</b>	<b>7.23</b>
<b>GUJARAT</b>	1064047	67669966	<b>68734013</b>	<b>5.85</b>
<b>HARYANA</b>	250328	27915084	<b>28165412</b>	<b>2.40</b>
<b>HIMACHAL PRADESH</b>	102858	10757096	<b>10859954</b>	<b>0.92</b>
<b>JAMMU &amp; KASHMIR</b>	122540	9830181	<b>9952721</b>	<b>0.85</b>
<b>KARNATAKA</b>	2092887	67679334	<b>69772221</b>	<b>5.94</b>
<b>KERALA</b>	1777687	43661839	<b>45439526</b>	<b>3.87</b>
<b>MADHYA PRADESH</b>	835329	74601862	<b>75437191</b>	<b>6.42</b>
<b>MAHARASHTRA</b>	1372108	92898783	<b>94270891</b>	<b>8.03</b>
<b>NORTH-EAST</b>	94304	12125079	<b>12219383</b>	<b>1.04</b>
<b>ORISSA</b>	211088	33220532	<b>33431620</b>	<b>2.85</b>
<b>PUNJAB</b>	701626	39230991	<b>39932617</b>	<b>3.40</b>
<b>RAJASTHAN</b>	482152	65442074	<b>65924226</b>	<b>5.61</b>
<b>TAMIL NADU</b>	2035013	81980717	<b>84015730</b>	<b>7.15</b>
<b>UTTAR PRADESH - [East]</b>	389356	95545441	<b>95934797</b>	<b>8.17</b>
<b>UTTAR PRADESH - [West]</b>	264711	63576357	<b>63841068</b>	<b>5.43</b>
<b>WEST BENGAL</b>	175136	55518767	<b>55693903</b>	<b>4.74</b>
<b>KOLKATA</b>	648754	25888335	<b>26537089</b>	<b>2.26</b>
<b>DELHI</b>	3224109	53008376	<b>56232485</b>	<b>4.79</b>
<b>MUMBAI</b>	2877327	38207209	<b>41084536</b>	<b>3.50</b>
<b>TOTAL</b>	<b>20266418</b>	<b>1154394458</b>	<b>1174660876</b>	<b>100.00</b>

1 Source: BSNL/MTNL/COAI



The overall tele-density at the end of November'19 stood at 88.81%. Among the Service areas, Himachal Pradesh (148.81%) had the highest tele-density followed by Kerala (124.65%), Punjab (124.24%), Tamil Nadu (115.93%) and Karnataka (108.52%). Among the three metros, Delhi Service Area topped in tele-density with 237.72%, followed by Mumbai (164.10%) and Kolkata (161.33%).

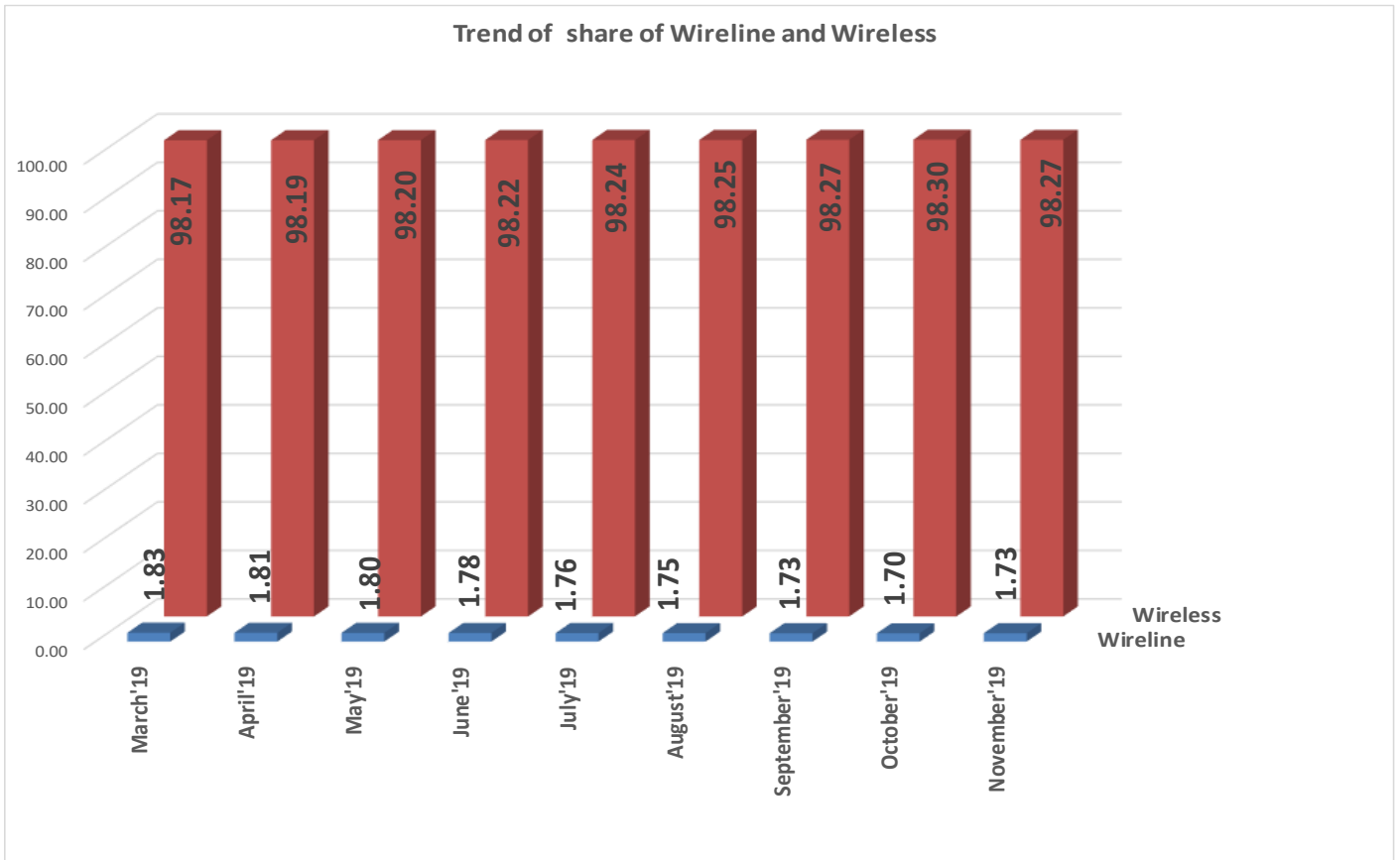
Teledensity : Service Area wise (in %age)									
Service Area	March'19	April'19	May'19	June'19	July'19	August'19	September'19	October'19	November'19
ANDHRA PRADESH	97.55	97.32	97.00	97.58	97.89	98.04	98.01	98.56	97.48
ASSAM	68.81	69.78	69.96	70.34	70.98	71.12	71.62	72.72	70.35
BIHAR	59.95	60.12	60.15	60.13	60.04	59.93	59.71	60.09	59.27
GUJARAT	107.21	106.09	106.35	106.17	105.90	105.65	105.60	106.13	103.77
HARYANA	97.66	97.19	97.54	97.94	98.02	98.53	98.84	100.22	97.43
HIMACHAL PRADESH	146.37	145.73	146.34	146.70	147.55	148.61	149.16	150.79	148.81
JAMMU & KASHMIR	89.43	89.49	89.33	90.36	91.20	90.11	89.16	88.81	77.39
KARNATAKA	110.04	108.85	108.94	109.64	109.81	110.61	110.89	110.99	108.52
KERALA	126.15	126.48	126.22	126.76	127.15	127.53	128.22	128.72	124.65
MADHYA PRADESH	70.11	70.36	70.47	70.32	70.13	70.16	70.24	71.34	69.29
MAHARASHTRA	92.83	92.75	92.33	92.29	92.77	92.72	92.93	93.86	91.99
NORTH-EAST	84.17	83.22	83.81	84.11	85.07	85.37	85.70	86.58	84.36
ORISSA	75.74	74.90	75.27	75.68	76.04	75.05	75.85	77.09	76.53
PUNJAB	125.35	125.19	124.94	125.22	125.24	126.48	127.11	128.65	124.24
RAJASTHAN	85.34	85.86	86.18	86.26	86.77	86.69	86.64	87.42	86.15
TAMIL NADU	116.94	116.79	116.40	116.33	116.48	116.77	116.99	117.55	115.93
UTTAR PRADESH - [East]	68.63	68.85	68.52	68.83	68.75	68.83	68.89	69.24	66.10
UTTAR PRADESH - [West]									
WEST BENGAL	71.39	71.14	70.00	69.90	69.92	69.97	70.05	70.47	68.53
KOLKATA	165.51	165.31	164.83	164.78	164.41	164.54	164.79	165.07	161.33
DELHI	238.57	239.54	240.49	240.53	241.28	241.87	241.74	242.50	237.72
MUMBAI	165.62	165.49	165.31	166.20	166.31	167.43	167.05	167.90	164.10
TOTAL	90.10	90.04	89.91	90.10	90.23	90.34	90.45	91.09	88.81

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.



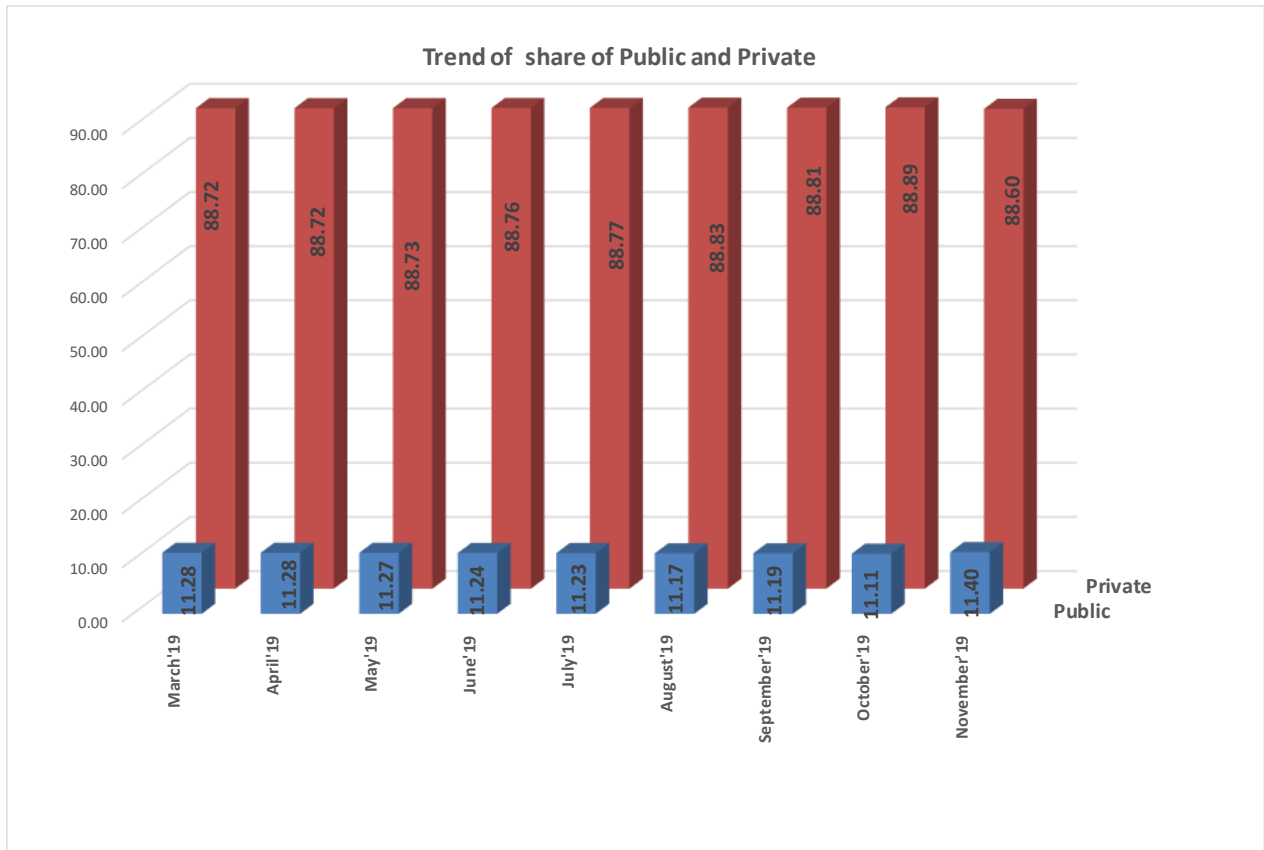
☞ The share of wireless segment in total connections stood at 98.27% by the end of November'19, while the share of wireline telephones was 1.73%.



**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
<b>November'19</b>	20266418	1154394458	<b>1174660876</b>	-29061803	1.73	98.27	-0.98	-2.44	-2.41

👉 In November'19, share of public sector in total telephones was 11.40%, as against 88.60% of the private sector. In October'19, it was 11.11% and 88.89% respectively.

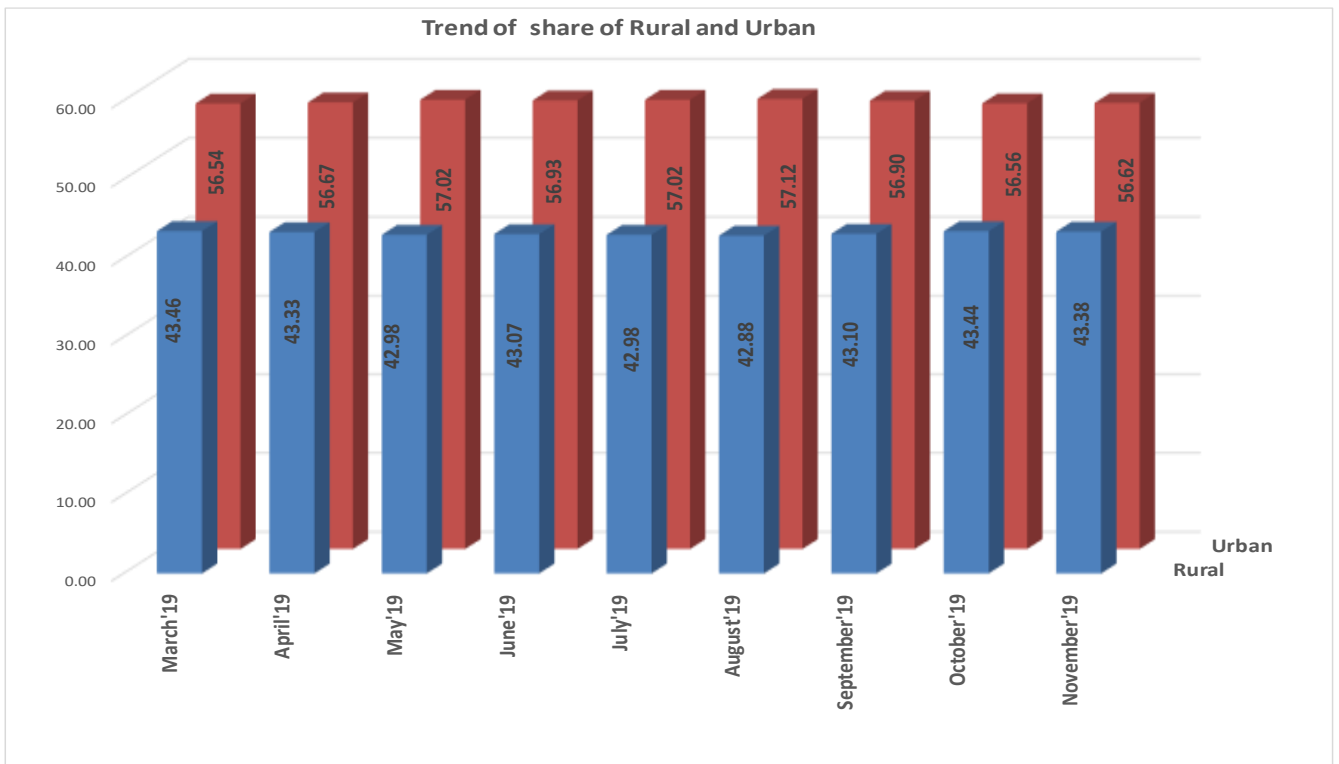


### Telephones: Public vs. Private (2019-20)

Month	Telephones			Additions		Share% age		% age Growth	
	Public	Private	Total	Public	Private	Public	Private	Public	Private
March'19	133507010	1049900408	<b>1183407418</b>	-710623	-21263927	11.28	88.72	-0.53	-1.99
<b>2019-20</b>									
April'19	133496437	1050171820	<b>1183668257</b>	-10573	271412	11.28	88.72	-0.01	0.03
May'19	133274353	1049745069	<b>1183019422</b>	-222084	-426751	11.27	88.73	-0.17	-0.04
June'19	133389198	1053139482	<b>1186528680</b>	114845	3394413	11.24	88.76	0.09	0.32
July'19	133584299	1055695791	<b>1189280090</b>	195101	2556309	11.23	88.77	0.15	0.24
August'19	133164033	1058628925	<b>1191792958</b>	-420266	2933134	11.17	88.83	-0.31	0.28
September'19	133626953	1060618922	<b>1194245875</b>	462920	1989997	11.19	88.81	0.35	0.19
October'19	133756966	1069965713	<b>1203722679</b>	130013	9346791	11.11	88.89	0.10	0.88
November'19	133860451	1040800425	<b>1174660876</b>	103485	-29165288	11.40	88.60	0.08	-2.73



Share of rural areas in total telephones decreased to 43.38% in November'19 against 43.44% of October'19. The share of urban areas, on the other hand, increased to 56.62% from 56.56% in October'19.



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

Month	Telephones			Additions		Share% age		% age Growth	
	Rural	Urban	Total	Rural	Urban	Rural	Urban	Rural	Urban
March'19	514266285	669141133	1183407418	-12160321	-9814229	43.46	56.54	-2.31	-1.45
<b>2019-20</b>									
April'19	512841024	670827233	1183668257	-1425261	1686100	43.33	56.67	-0.28	0.25
May'19	508423677	674595745	1183019422	-4417347	3768512	42.98	57.02	-0.86	0.56
June'19	511002667	675526013	1186528680	2578990	930268	43.07	56.93	0.51	0.14
July'19	511093137	678186953	1189280090	90470	2660940	42.98	57.02	0.02	0.39
August'19	510993173	680799785	1191792958	-99964	2612832	42.88	57.12	-0.02	0.39
September'19	514704170	679541705	1194245875	3710997	-1258080	43.10	56.90	0.73	-0.18
October'19	522911018	680811661	1203722679	8206848	1269956	43.44	56.56	1.59	0.19
November'19	509624673	665036203	1174660876	-13286345	-15775458	43.38	56.62	-2.54	-2.32

☞ Overall teledensity for the month of November'19 stood at 88.81% as against 91.09% in October'19. The Teledensity for wireless segment was 87.28% whereas that of wireline segment is 1.53%. Teledensity reported in rural areas was 56.71% and that in the urban areas was 156.82%. In Public sector, teledensity was 10.12% and in Private sector, it was 78.69% for the month of November'19.

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
<b>November'19</b>	56.71	156.82	<b>88.81</b>	1.53	87.28	10.12	78.69

☞ The number of Internet subscribers (both broadband and narrowband put together) which was 560.01 million at the end of September'18, increased to 687.63 million by the end of September'19 registering a quarterly growth of 3.35% over July- September'19. The number of subscribers accessing internet via wireless phones was 665.37 million at the end of September'19. The number of wired Internet subscribers was 22.26 million at the end of September'19.

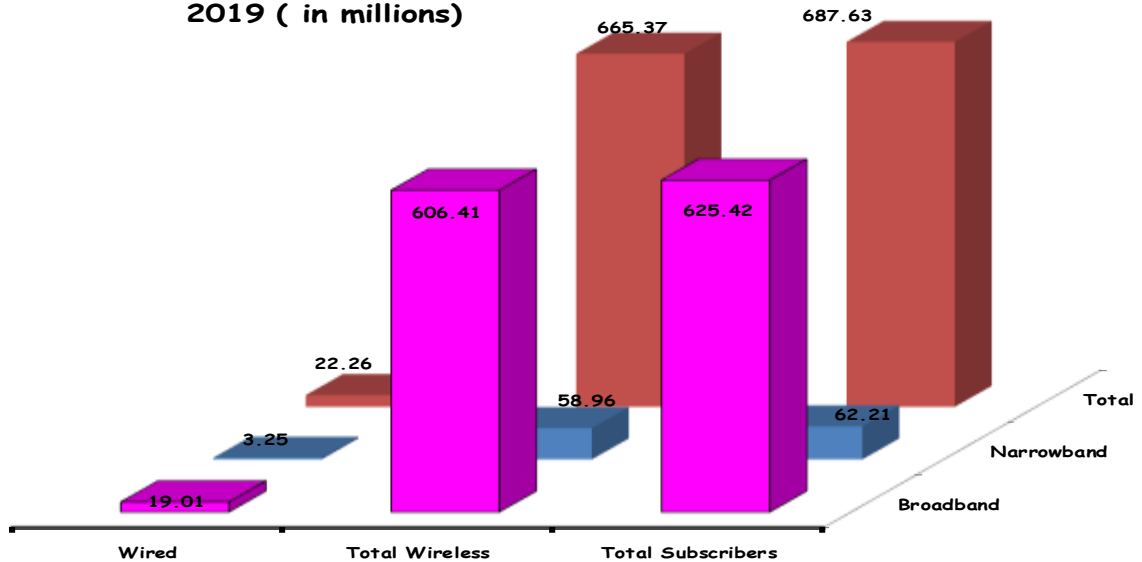
### Trend of Internet Subscribers

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	687.63
Quarterly Growth (in Percentage)	9.32	7.89	5.38	4.49	3.35

Internet Subscriber Base in India - September'19 * (in million)			
Segment	Wired	Total Wireless	Total
Broadband	19.01	606.41	625.42
Narrowband	3.25	58.96	62.21
<b>Total</b>	<b>22.26</b>	<b>665.37</b>	<b>687.63</b>

\* As per the TRAI input

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



☞ The number of Broadband subscribers was 661.27 million at the end of November'19 as compared to 644.08 million in October'19, showing an increase of 2.67%.

<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	625.00	644.08	2.98
<b>November'19</b>	19.13	642.14	661.27	2.67

\*\*\*\*\*