

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

Dated: March 20, 2020

Subject: - Monthly Telecom Scenario as on 31st December'19.

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



(Basant Kumar)
Director (ERU-STT)

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Secretary-DOT

Member (F)

Member (S)

Member (T)

Adviser (F)

Adviser (T)

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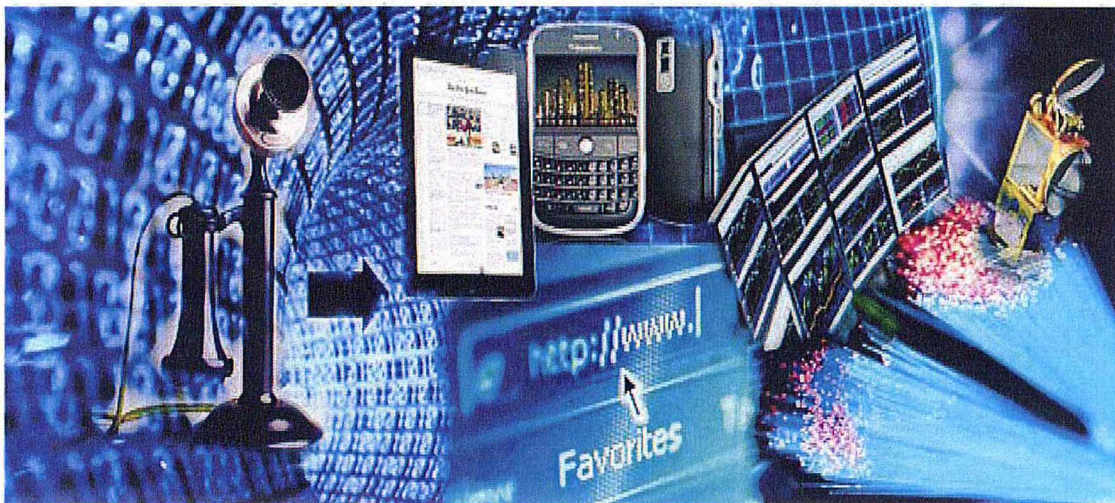
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Senior Economic Adviser

Economic Adviser- Vacant

Monthly Telecom Scenario

December'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	December'19	November'19
Total Phones		1171.43	1174.66
Wireline	million	19.95	20.27
Wireless		1151.48	1154.39
Rural		510.02	509.62
Urban		661.41	665.04
Public		134.24	133.86
Private		1037.19	1040.80
Wireline %age to Total Phones		%age	1.70
Wireless %age to Total Phones	98.30		98.27
Rural %age to Total Phones	43.54		43.38
Urban %age to Total Phones	56.46		56.62
Public %age to Total Phones	11.46		11.40
Private %age to Total Phones	88.54		88.60
Overall Teledensity		88.49	88.81
Wireline Teledensity	%age	1.51	1.53
Wireless Teledensity		86.98	87.28
Rural Teledensity		56.72	56.71
Urban Teledensity		155.74	156.82
Public		10.14	10.12
Private		78.35	78.69
Teledensity: Top five Circles			
Himachal Pradesh	%age	149.13	148.81
Kerala		123.98	124.65
Punjab		123.71	124.24
Tamil Nadu		115.44	115.93
Karnataka		107.96	108.52
Teledensity: Metros			
Delhi	%age	236.76	237.72
Mumbai		163.35	164.10
Kolkata		159.69	161.33
Broadband	million	661.94	661.27



At the end of December'19, the total number of telephones was 1171.43 million, compared to 1174.66 million by the end of November'19, showing a decrease of 3.23 million. Maximum rise in total telephone connections was recorded in Jammu & Kashmir (491487) followed by Madhya Pradesh (255220) and Uttar Pradesh - [East] (147883). However, Uttar Pradesh - [West], Bihar and Karnataka recorded a fall in telephone connections over previous month, with a decrease of 683301, 435265 & 320490 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	December'19
ANDHRA PRADESH	88170245	88005801	87772495	88346463	88676456	88861040	88888759	89436815	88501659	88278409
ASSAM	23080711	23426284	23505762	23654357	23890306	23956868	24145407	24538253	23759015	23708908
BIHAR	85308742	85632929	85736314	85786473	85735615	85650504	85409060	86031547	84920819	84485554
GUJARAT	70534207	69856023	70087384	70026992	69909625	69806019	69830339	70243608	68734013	68501429
HARYANA	27990960	27886734	28015983	28162818	28215673	28393309	28512500	28940957	28165412	28044845
HIMACHAL PRADESH	10630749	10591921	10641770	10673781	10743442	10825956	10872150	10998912	10859954	10889279
JAMMU & KASHMIR	11437233	11452673	11441112	11580370	11696187	11564926	11450196	11413310	9952721	10444208
KARNATAKA	70398285	69680955	69780523	70274172	70424508	70983741	71208468	71313953	69772221	69451731
KERALA	45840356	45979276	45904226	46116150	46276578	46432490	46704420	46901909	45439526	45213211
MADHYA PRADESH	75718114	76066495	76251601	76170526	76042006	76157729	76317830	77594907	75437191	75692411
MAHARASHTRA	94548392	94533229	94185011	94213729	94775464	94804386	95095079	96115256	94270891	93977274
NORTH-EAST	12115134	11988972	12082247	12136007	12282647	12336929	12393775	12530464	12219383	12206444
ORISSA	32930410	32581015	32761956	32960432	33137307	32726280	33093017	33654394	33431620	33220772
PUNJAB	40014807	40000402	39954333	40076000	40117308	40549692	40786991	41313260	39932617	39796719
RAJASTHAN	64774956	65239401	65545977	65679103	66131358	66137356	66166677	66830647	65924226	65806668
TAMIL NADU	84480470	84400843	84154586	84142426	84279751	84525637	84722766	85159496	84015730	83698887
UTTAR PRADESH - [East]	99449999	100076523	99691849	100235544	100107611	100560388	100742350	101255538	95934797	96082680
UTTAR PRADESH - [West]	64887552	64964997	64766668	65160805	65284678	65229975	65378539	65893759	63841068	63157767
WEST BENGAL	57719640	57551550	56670731	56621352	56679312	56756145	56856147	57227643	55693903	55393287
KOLKATA	27047850	27036593	26981101	26993467	26954220	26998706	27061517	27129564	26537089	26287414
DELHI	55394424	55749272	56100399	56241303	56548361	56818705	56920370	57231040	56232485	56133712
MUMBAI	40934182	40966369	40987394	41276410	41371677	41716177	41689518	41967447	41084536	40962531
TOTAL	1183407418	1183668257	1183019422	1186528680	1189280090	1191792958	1194245875	1203722679	1174660876	1171434140

1 Source: BSNL/MTNL/COAI



Service area-wise analysis reveals that Uttar Pradesh - [East] had the highest share in the total telephones (8.20%) followed by Maharashtra (8.02%), Andhra Pradesh (7.54%), Bihar (7.21%) and Tamil Nadu (7.14%). These five Service areas taken together accounted for 38.11% of total telephone connections in India.

Telephones during the month of December'19

Service Area	Wireline	Wireless	Total Phones	%age Share Total Phones
ANDHRA PRADESH	1255521	87022888	88278409	7.54
ASSAM	101209	23607699	23708908	2.02
BIHAR	163768	84321786	84485554	7.21
GUJARAT	1052655	67448774	68501429	5.85
HARYANA	248282	27796563	28044845	2.39
HIMACHAL PRADESH	101179	10788100	10889279	0.93
JAMMU & KASHMIR	123459	10320749	10444208	0.89
KARNATAKA	2063767	67387964	69451731	5.93
KERALA	1710916	43502295	45213211	3.86
MADHYA PRADESH	814615	74877796	75692411	6.46
MAHARASHTRA	1355036	92622238	93977274	8.02
NORTH-EAST	94105	12112339	12206444	1.04
ORISSA	207566	33013206	33220772	2.84
PUNJAB	692229	39104490	39796719	3.40
RAJASTHAN	473434	65333234	65806668	5.62
TAMIL NADU	1987394	81711493	83698887	7.14
UTTAR PRADESH - [East]	388143	95694537	96082680	8.20
UTTAR PRADESH - [West]	259626	62898141	63157767	5.39
WEST BENGAL	171232	55222055	55393287	4.73
KOLKATA	636349	25651065	26287414	2.24
DELHI	3186861	52946851	56133712	4.79
MUMBAI	2866433	38096098	40962531	3.50
TOTAL	19953779	1151480361	1171434140	100.00

1 Source: BSNL/MTNL/COAI



The overall tele-density at the end of December'19 stood at 88.49%. Among the Service areas, Himachal Pradesh (149.13%) had the highest tele-density followed by Kerala (123.98%), Punjab (123.71%), Tamil Nadu (115.44%) and Karnataka (107.96%). Among the three metros, Delhi Service Area topped in tele-density with 236.76%, followed by Mumbai (163.35%) and Kolkata (159.69%).

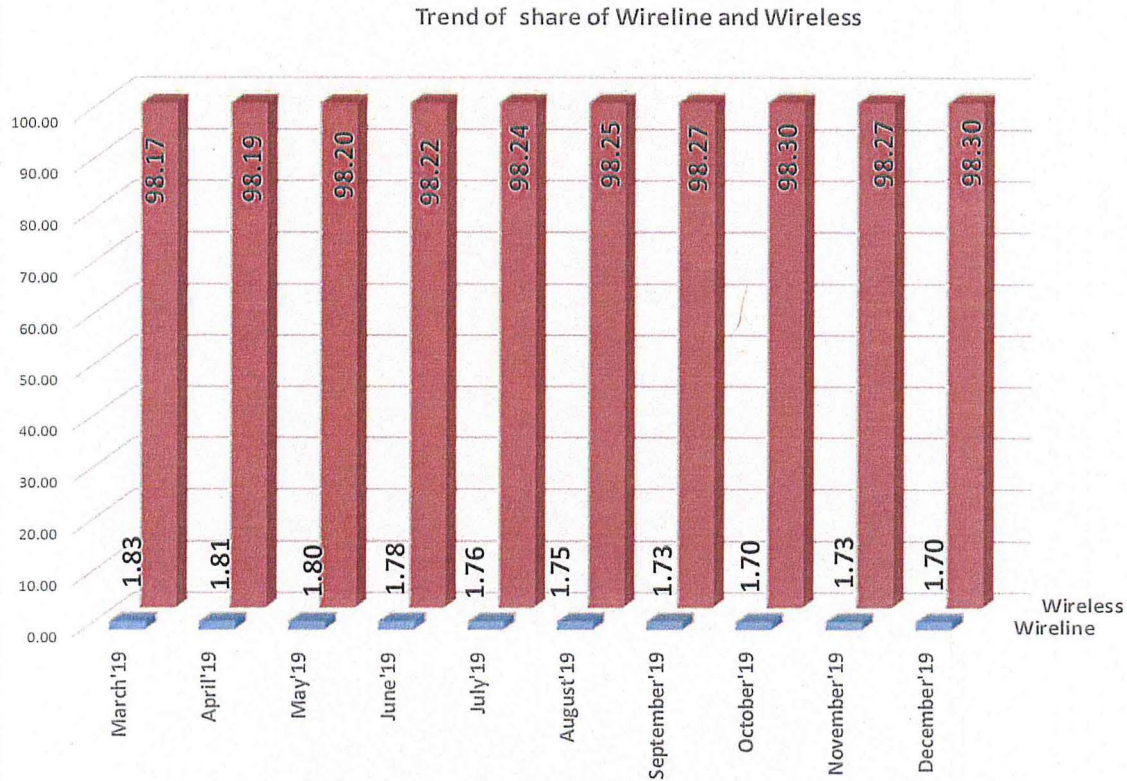
Teledensity : Service Area wise (in %age)

Service Area	March'19	April'19	May'19	June'19	July'19	August'19	September'19	October'19	November'19	December'19
ANDHRA PRADESH	97.55	97.32	97.00	97.58	97.89	98.04	98.01	98.56	97.48	97.17
ASSAM	68.81	69.78	69.96	70.34	70.98	71.12	71.62	72.72	70.35	70.15
BIHAR	59.95	60.12	60.15	60.13	60.04	59.93	59.71	60.09	59.27	58.91
GUJARAT	107.21	106.09	106.35	106.17	105.90	105.65	105.60	106.13	103.77	103.33
HARYANA	97.66	97.19	97.54	97.94	98.02	98.53	98.84	100.22	97.43	96.91
HIMACHAL PRADESH	146.37	145.73	146.34	146.70	147.55	148.61	149.16	150.79	148.81	149.13
JAMMU & KASHMIR	89.43	89.49	89.33	90.36	91.20	90.11	89.16	88.81	77.39	81.15
KARNATAKA	110.04	108.85	108.94	109.64	109.81	110.61	110.89	110.99	108.52	107.96
KERALA	126.15	126.48	126.22	126.76	127.15	127.53	128.22	128.72	124.65	123.98
MADHYA PRADESH	70.11	70.36	70.47	70.32	70.13	70.16	70.24	71.34	69.29	69.45
MAHARASHTRA	92.83	92.75	92.33	92.29	92.77	92.72	92.93	93.86	91.99	91.63
NORTH-EAST	84.17	83.22	83.81	84.11	85.07	85.37	85.70	86.58	84.36	84.21
ORISSA	75.74	74.90	75.27	75.68	76.04	75.05	75.85	77.09	76.53	76.00
PUNJAB	125.35	125.19	124.94	125.22	125.24	126.48	127.11	128.65	124.24	123.71
RAJASTHAN	85.34	85.86	86.18	86.26	86.77	86.69	86.64	87.42	86.15	85.91
TAMIL NADU	116.94	116.79	116.40	116.33	116.48	116.77	116.99	117.55	115.93	115.44
UTTAR PRADESH - [East]	68.63	68.85	68.52	68.83	68.75	68.83	68.89	69.24	66.10	65.80
UTTAR PRADESH - [West]										
WEST BENGAL	71.39	71.14	70.00	69.90	69.92	69.97	70.05	70.47	68.53	68.12
KOLKATA	165.51	165.31	164.83	164.78	164.41	164.54	164.79	165.07	161.33	159.69
DELHI	238.57	239.54	240.49	240.53	241.28	241.87	241.74	242.50	237.72	236.76
MUMBAI	165.62	165.49	165.31	166.20	166.31	167.43	167.05	167.90	164.10	163.35
TOTAL	90.10	90.04	89.91	90.10	90.23	90.34	90.45	91.09	88.81	88.49

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.

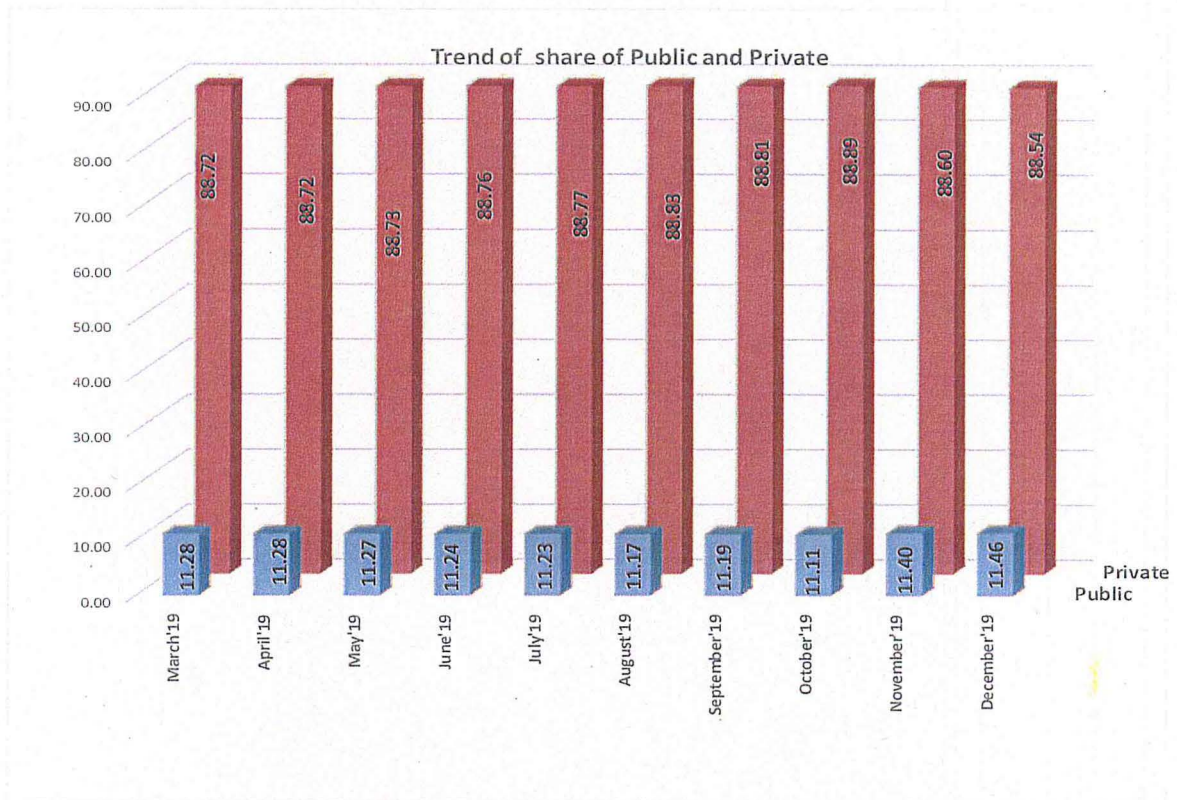
The share of wireless segment in total connections stood at 98.30% by the end of December'19, while the share of wireline telephones was 1.70%.



Telephones: Wireline vs Wireless (2019-20)

Month	Telephones			Additions	Share% age		% age Growth		
	Wireline	Wireless	Total		Wireline	Wireless	Wireline	Wireless	Overall
March'19	21695946	1161711472	1183407418	-21974550	1.83	98.17	-0.09	-1.85	-1.82
2019-20									
April'19	21472015	1162196242	1183668257	260839	1.81	98.19	-1.03	0.04	0.02
May'19	21289148	1161730274	1183019422	-648835	1.80	98.20	-0.85	-0.04	-0.05
June'19	21169532	1165359148	1186528680	3509258	1.78	98.22	-0.56	0.31	0.30
July'19	20964717	1168315373	1189280090	2751410	1.76	98.24	-0.97	0.25	0.23
August'19	20817909	1170975049	1191792958	2512868	1.75	98.25	-0.70	0.23	0.21
September'19	20633291	1173612584	1194245875	2452917	1.73	98.27	-0.89	0.23	0.21
October'19	20466350	1183256329	1203722679	9476804	1.70	98.30	-0.81	0.82	0.79
November'19	20266418	1154394458	1174660876	-29061803	1.73	98.27	-0.98	-2.44	-2.41
December'19	19953779	1151480361	1171434140	-3226736	1.70	98.30	-1.54	-0.25	-0.27

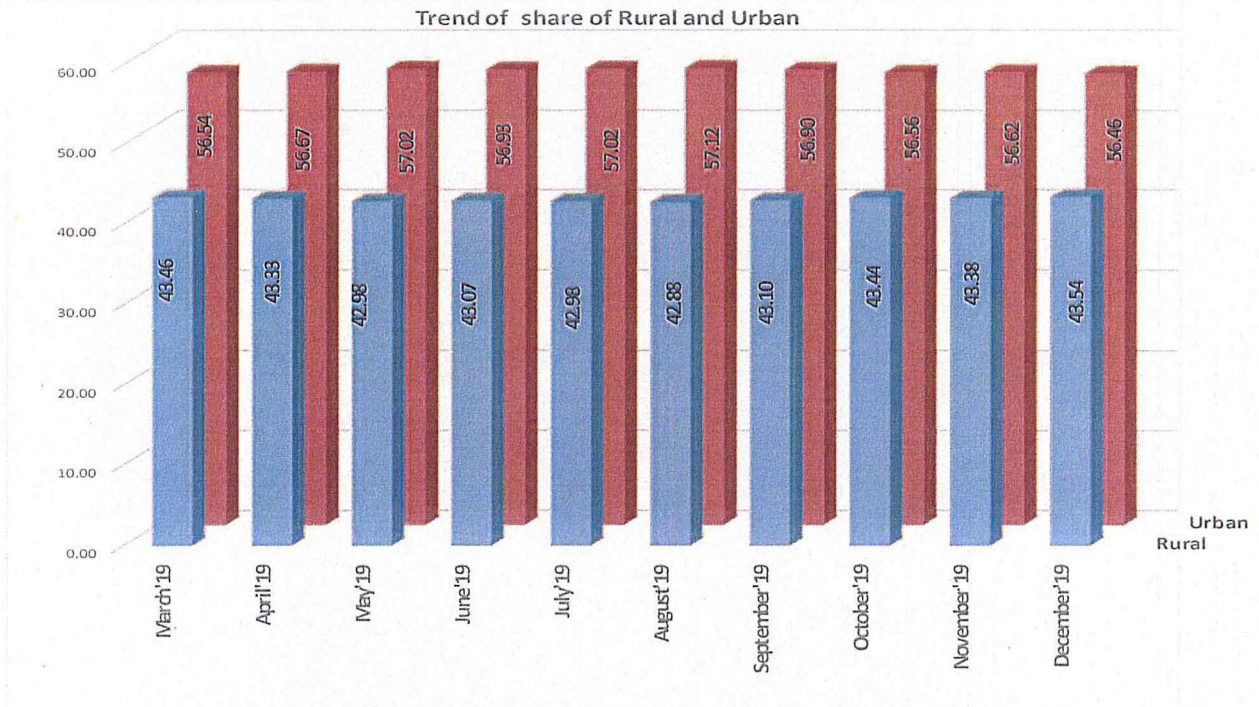
☞ In December'19, share of public sector in total telephones was 11.46%, as against 88.54% of the private sector. In November'19, it was 11.40% and 88.60% respectively.



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	1183407418	-710623	-21263927	11.28	88.72	-0.53	-1.99
2019-20									
April'19	133496437	1050171820	1183668257	-10573	271412	11.28	88.72	-0.01	0.03
May'19	133274353	1049745069	1183019422	-222084	-426751	11.27	88.73	-0.17	-0.04
June'19	133389198	1053139482	1186528680	114845	3394413	11.24	88.76	0.09	0.32
July'19	133584299	1055695791	1189280090	195101	2556309	11.23	88.77	0.15	0.24
August'19	133164033	1058628925	1191792958	-420266	2933134	11.17	88.83	-0.31	0.28
September'19	133626953	1060618922	1194245875	462920	1989997	11.19	88.81	0.35	0.19
October'19	133756966	1069965713	1203722679	130013	9346791	11.11	88.89	0.10	0.88
November'19	133860451	1040800425	1174660876	103485	-29165288	11.40	88.60	0.08	-2.73
December'19	134238190	1037195950	1171434140	377739	-3604475	11.46	88.54	0.28	-0.35

Share of rural areas in total telephones increased to 43.54% in December'19 against 43.38% of November'19. The share of urban areas, on the other hand, decreased to 56.46% from 56.62% in November'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
2019-20									
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
December'19	510022201	661411939	1171434140	397528	-3624264	43.54	56.46	0.08	-0.54

Overall teledensity for the month of December'19 stood at 88.49% as against 88.81% in November'19. The Teledensity for wireless segment was 86.98% whereas that of wireline segment is 1.51%. Teledensity reported in rural areas was 56.72% and that in the urban areas was 155.74%. In Public sector, teledensity was 10.14% and in Private sector, it was 78.35% for the month of December'19.

Tele-density (2019-20)

Month	Teledensity (%age)						
	Rural	Urban	Overall	Wireline	Wireless	Public	Private
March'19	57.50	159.66	90.10	1.65	88.45	10.16	79.94
2019-20							
April'19	57.31	159.83	90.04	1.63	88.41	10.16	79.89
May'19	56.78	160.49	89.91	1.62	88.30	10.13	79.78
June'19	57.04	160.47	90.10	1.61	88.49	10.13	79.97
July'19	57.01	160.87	90.23	1.59	88.64	10.14	80.10
August'19	56.97	161.25	90.34	1.58	88.76	10.09	80.25
September'19	57.35	160.71	90.45	1.56	88.89	10.12	80.33
October'19	58.23	160.78	91.09	1.55	89.54	10.12	80.96
November'19	56.71	156.82	88.81	1.53	87.28	10.12	78.69
December'19	56.72	155.74	88.49	1.51	86.98	10.14	78.35

The number of Internet subscribers (both broadband and narrowband put together) which was 560.01 million at the end of September, 2018 increased to 687.63 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.

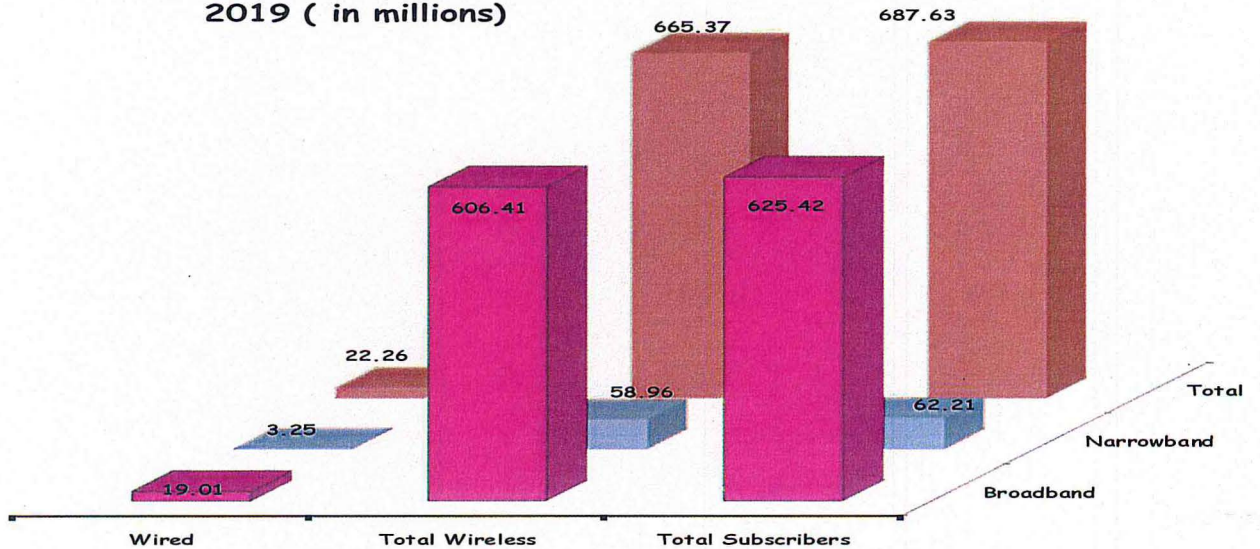
Trend of Internet Subscribers

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
Total	22.26	665.37	687.63

* As per the TRAI input

Internet Subscribers - September 2019 (in millions)



☞ The number of Broadband subscribers was 661.94 million at the end of December'19 as compared to 661.27 million in November'19, showing an increase of 0.10%.

Broadband Subscribers in India (In millions)				
At the end of	Wired	Total Wireless	Total Subscribers	% growth
April'19	18.41	553.53	571.94	1.53
May'19	18.45	563.06	581.51	1.67
June'19	18.42	576.17	594.59	2.25
July'19	18.52	585.6	604.12	1.60
August'19	18.32	597.11	615.43	1.87
September'19	19.01	606.41	625.42	1.62
October'19	19.08	625.00	644.08	2.98
November'19	19.13	642.14	661.27	2.67
December'19	19.14	642.8	661.94	0.10
