

Monthly Telecom Scenario

November'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	November'17	October'17
Total Phones		1186.22	1202.11
Wireline	million	23.41	23.53
Wireless		1162.81	1178.58
Rural		500.94	504.21
Urban		685.28	697.90
Public		127.37	126.46
Private		1058.85	1075.65
Wireline %age to Total Phones		%age	1.97
Wireless %age to Total Phones	98.03		98.04
Rural %age to Total Phones	42.23		41.94
Urban %age to Total Phones	57.77		58.06
Public %age to Total Phones	10.74		10.52
Private %age to Total Phones	89.26		89.48
Overall Teledensity		91.64	92.95
Wireline Teledensity	%age	1.81	1.82
Wireless Teledensity		89.83	91.13
Rural Teledensity		56.58	56.99
Urban Teledensity		167.50	170.84
Public		9.84	9.78
Private		81.80	83.18
Teledensity: Top five Circles			
Himachal Pradesh	%age	153.96	152.02
Tamil Nadu		124.38	129.62
Punjab		123.62	122.61
Kerala		118.58	120.53
Gujarat		110.00	109.56
Teledensity: Metros			
Delhi	%age	259.14	259.00
Kolkata		184.56	185.35
Mumbai		169.97	168.58
Broadband	million	350.70	340.16



At the end of November'17, the total number of telephones was 1186.22 million, compared to 1202.11 million by the end of October'17 i.e., a decrease of 15.89 million. There has been net decline in total telephone connections with maximum decline in Uttar Pradesh - [West] (4050904) followed by Tamil Nadu (3718943) and Uttar Pradesh - [East] (3696860). However, Madhya Pradesh, Mumbai and Gujarat recorded a rise in telephone connections over previous month, with an increase of 1090541, 400402 & 354630 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
ANDHRA PRADESH	86580485	87005489	87008505	87346044	86769174	86733089	86860894	87086394	85554275
ASSAM	21994249	22064486	22278684	22315211	22349285	22215240	22327406	22446787	22628613
BIHAR	84929755	85272222	86073761	86322506	85913305	85367612	84905366	83996529	84349504
GUJARAT	73198846	73477108	73293488	73621895	73074549	73996134	70368114	70986510	71341140
HARYANA	25392301	25387715	25743604	26000580	31826233	25581998	25798807	25804833	25371676
HIMACHAL PRADESH	10580608	10586867	10728972	10795877	12910312	10840067	10900886	10927164	11072818
JAMMU & KASHMIR	12041327	12144037	12329598	12478392	12406729	12632938	12686189	12942063	13117245
KARNATAKA	71385928	71303679	71492903	71892853	65850177	72901264	72757302	72362860	68994791
KERALA	41275132	41419026	41644405	41904128	46222239	42817708	43277390	43488968	42803499
MADHYA PRADESH	70603342	71201810	71318293	71963206	68517873	72483263	72516980	72676649	73767190
MAHARASHTRA	95780986	96322232	96260464	96941957	91504796	96227611	96419463	96025422	94992139
NORTH-EAST	12688408	12685840	12815222	12958489	19575697	13054511	13081094	13049461	12956932
ORISSA	34583799	34745877	34938212	35003724	40862561	34826151	34737232	34205373	34260457
PUNJAB	36972226	37313866	37638000	38054214	38182972	38078533	38280049	38566472	38916624
RAJASTHAN	68098694	68021109	68439680	68720143	62738771	67826388	67517468	66377083	66273505
TAMIL NADU	91803712	91956377	92292222	92738418	86991020	92814627	93289868	92963231	89244288
UTTAR PRADESH - [East]	105054437	105515829	106676693	106952560	104368610	106858253	106182160	104702650	101005790
UTTAR PRADESH - [West]	67072551	67034764	67751894	67946838	67477406	67253190	66923266	66644582	62593678
WEST BENGAL	58577948	58936349	59175638	59359888	64357447	58964910	59139410	58669414	58332814
KOLKATA	30175215	30221061	30259384	30324298	34377760	30491683	30581131	29867558	29764672
DELHI	56573699	56966951	57407166	57767250	56317495	57892316	57997477	57794281	57958728
MUMBAI	39624412	39671100	39611621	39809837	38496831	40100166	40495798	40524089	40924491
TOTAL	1194988060	1199253794	1205178409	1211218308	1211091242	1209957652	1207043750	1202108373	1186224869



The telecom Service area-wise analysis reveals that Uttar Pradesh - [East] has the highest share in the total telephones (8.51%) followed by Maharashtra (8.01%), Tamil Nadu (7.52%), Andhra Pradesh (7.21%) and Bihar (7.11%). These five Service areas taken together have a share of 38.36% in the total telephone connections in India.

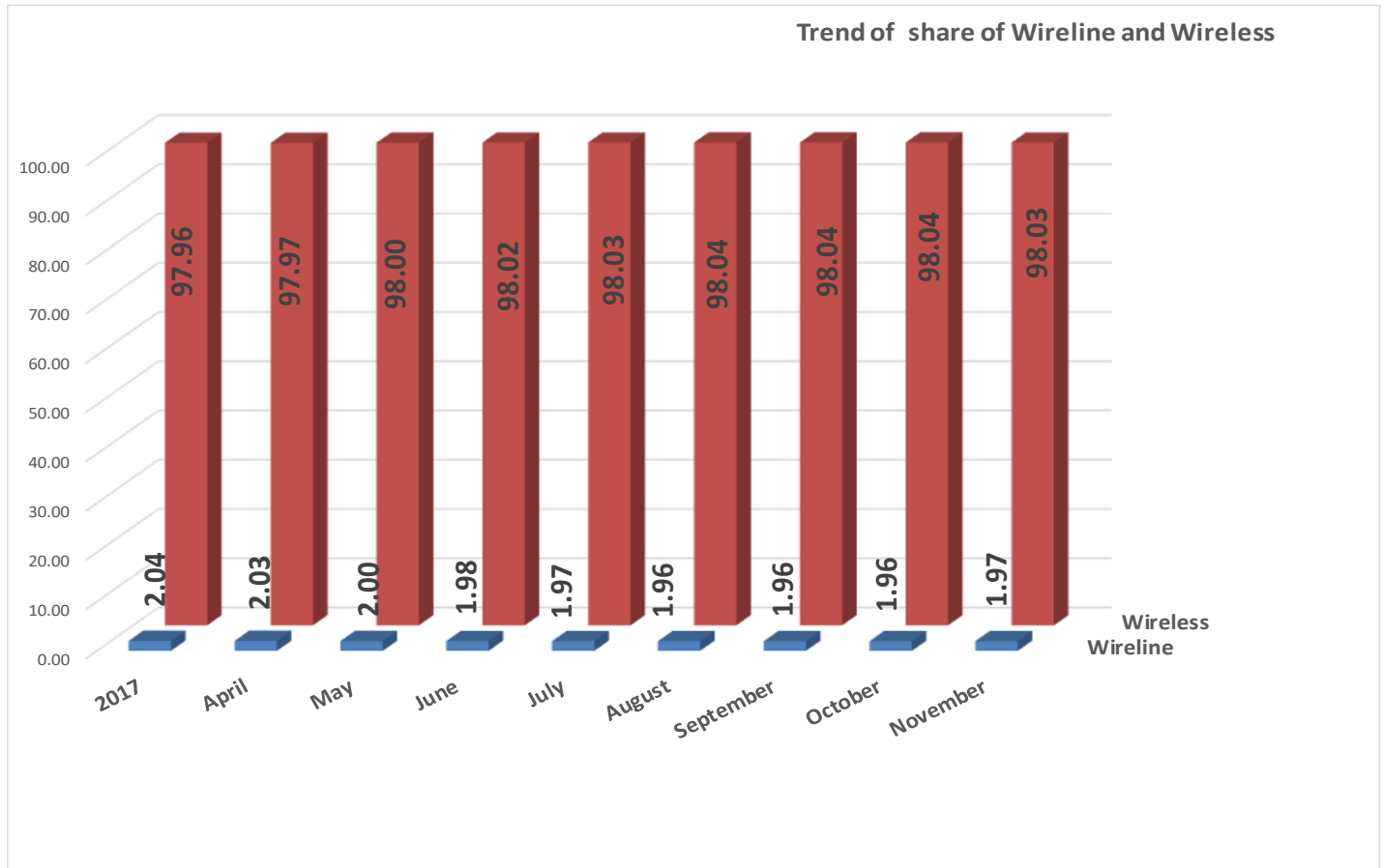
Telephones during the month of November'17				
Service Area	Wireline	Wireless	Total Phones	%age Share Total Phones
ANDHRA PRADESH	1538264	84016011	85554275	7.21
ASSAM	142155	22486458	22628613	1.91
BIHAR	271910	84077594	84349504	7.11
GUJARAT	1298347	70042793	71341140	6.01
HARYANA	310196	25061480	25371676	2.14
HIMACHAL PRADESH	129941	10942877	11072818	0.93
JAMMU & KASHMIR	119332	12997913	13117245	1.11
KARNATAKA	2258469	66736322	68994791	5.82
KERALA	2005650	40797849	42803499	3.61
MADHYA PRADESH	988762	72778428	73767190	6.22
MAHARASHTRA	1779189	93212950	94992139	8.01
NORTH-EAST	114051	12842881	12956932	1.09
ORISSA	274489	33985968	34260457	2.89
PUNJAB	906109	38010515	38916624	3.28
RAJASTHAN	668433	65605072	66273505	5.59
TAMIL NADU	2388002	86856286	89244288	7.52
UTTAR PRADESH - [East]	486302	100519488	101005790	8.51
UTTAR PRADESH - [West]	360518	62233160	62593678	5.28
WEST BENGAL	300352	58032462	58332814	4.92
KOLKATA	822690	28941982	29764672	2.51
DELHI	3221386	54737342	57958728	4.89
MUMBAI	3028419	37896072	40924491	3.45
TOTAL	23412966	1162811903	1186224869	100.00

☞ The overall tele-density at the end of November'17 was 91.64%. Rural and urban tele-density was 56.58% and 167.50% respectively. Among the Service areas, Himachal Pradesh (153.96%) has the highest tele-density followed by Tamil Nadu (124.38%), Punjab (123.62%), Kerala (118.58%) and Gujarat (110.00%). Among the three metros, Delhi Service Area tops in tele-density with 259.14%, followed by Kolkata (184.56%) and Mumbai (169.97%).

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

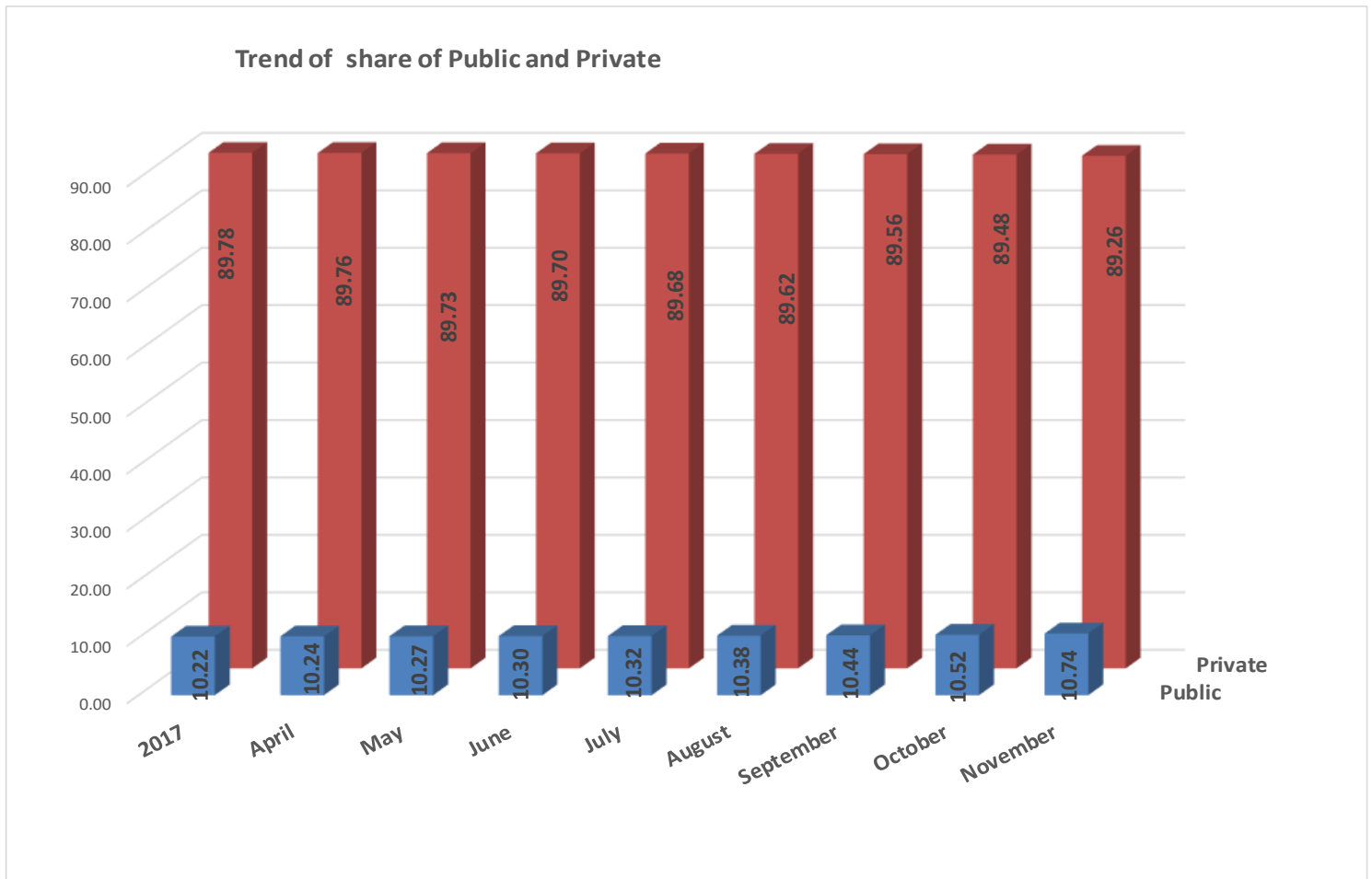
☞ The share of wireless segment in total connections stood at 98.03% by the end of November'17. The share of wireline telephones stood at 1.97%.



Telephones: Wireline vs Wireless

Year ending 31st March	Telephones			Additions	Share% age		% age Growth		
	Wireline	Wireless	Total		Wireline	Wireless	Wireline	Wireless	Overall
2017	24400627	1170587433	1194988060	135654829	2.04	97.96	-3.27	13.20	12.81
2017-18									
April	24296732	1174957062	1199253794	4265734	2.03	97.97	-0.43	0.37	0.36
May	24157974	1181020435	1205178409	5924615	2.00	98.00	-0.57	0.52	0.49
June	23998887	1187219421	1211218308	6039899	1.98	98.02	-0.66	0.52	0.50
July	23916666	1187174576	1211091242	-127066	1.97	98.03	-0.34	0.00	-0.01
August	23752029	1186205623	1209957652	-1133590	1.96	98.04	-0.69	-0.08	-0.09
September	23670427	1183373323	1207043750	-2913902	1.96	98.04	-0.34	-0.24	-0.24
October	23528523	1178579850	1202108373	-4935377	1.96	98.04	-0.60	-0.41	-0.41
November	23412966	1162811903	1186224869	-15883504	1.97	98.03	-0.49	-1.34	-1.32

☞ In November'17, Public sector's share in total telephones was 10.74%, as against 89.26% share of the private sector.

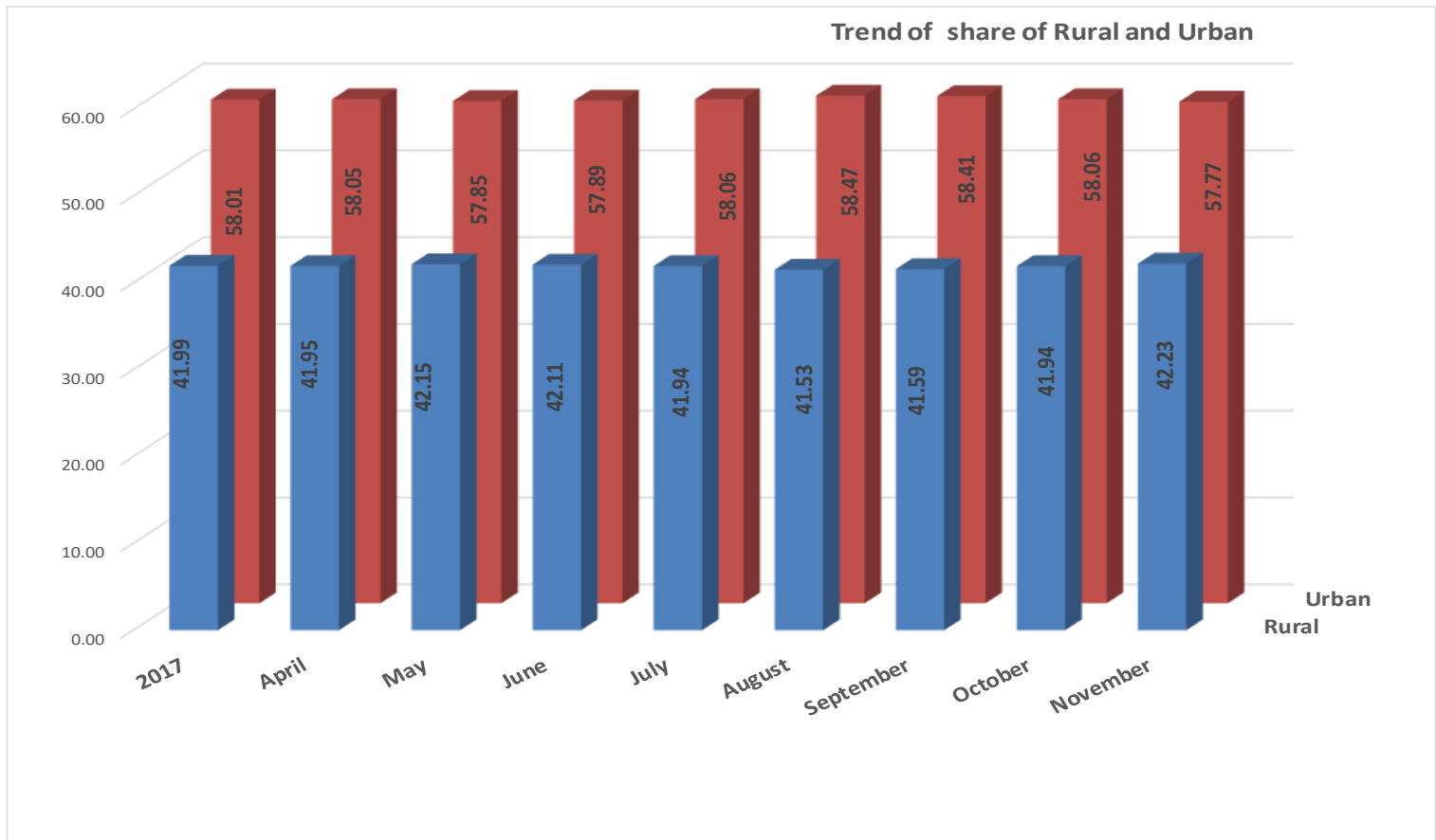


Telephones: Public vs. Private

Year ending 31st March	Telephones			Additions		Share% age		% age Growth	
	Public	Private	Total	Public	Private	Public	Private	Public	Private
2017	122177339	1072810721	1194988060	13527403	122127426	10.22	89.78	12.45	12.85
2017-18									
April	122772793	1076481001	1199253794	595454	3670280	10.24	89.76	0.49	0.34
May	123794637	1081383772	1205178409	1021844	4902771	10.27	89.73	0.83	0.46
June	124803653	1086414655	1211218308	1009016	5030883	10.30	89.70	0.82	0.47
July	125027537	1086063705	1211091242	223884	-350950	10.32	89.68	0.18	-0.03
August	125560640	1084397012	1209957652	533103	-1666693	10.38	89.62	0.43	-0.15
September	126000116	1081043634	1207043750	439476	-3353378	10.44	89.56	0.35	-0.31
October	126461190	1075647183	1202108373	461074	-5396451	10.52	89.48	0.37	-0.50
November	127371224	1058853645	1186224869	910034	-16793538	10.74	89.26	0.72	-1.56



In the month of November'17, the share of rural areas in total telephones increased to 42.23% against 41.94% of October'17. The share of urban areas decreased and stood at 57.77% against 58.06% of October'17.



Telephones: Rural vs. Urban

Year ending 31st March	Telephones			Additions		Share% age		% age Growth	
	Rural	Urban	Total	Rural	Urban	Rural	Urban	Rural	Urban
2017	501806543	693181517	1194988060	54036789	81618040	41.99	58.01	12.07	13.35
2017-18									
April	503071331	696182463	1199253794	1264788	3000946	41.95	58.05	0.25	0.43
May	508017416	697160993	1205178409	4946085	978530	42.15	57.85	0.98	0.14
June	510050742	701167566	1211218308	2033326	4006573	42.11	57.89	0.40	0.57
July	507922198	703169044	1211091242	-2128544	2001478	41.94	58.06	-0.42	0.29
August	502499610	707458042	1209957652	-5422588	4288998	41.53	58.47	-1.07	0.61
September	501993750	705050000	1207043750	-505860	-2408042	41.59	58.41	-0.10	-0.34
October	504213770	697894603	1202108373	2220020	-7155397	41.94	58.06	0.44	-1.01
November	500937004	685287865	1186224869	-3276766	-12606738	42.23	57.77	-0.65	-1.81

Overall teledensity for the month of November'17 reached to 91.64%. It was 92.95% in October'17. The Teledensity for wireless segment was 89.83% whereas that of wireline segment is 1.81%. Teledensity reported in rural areas was 56.58% and teledensity for the urban areas was 167.50%. In Public sector, teledensity was 9.84% and in Private sector, it was 81.80% for the month of November'17.

Tele-density

Year ending 31st March	Teledensity (%age)						
	Rural	Urban	Overall	Wireline	Wireless	Public	Private
2017	56.98	171.52	93.01	1.90	91.11	9.51	83.50
2017-18							
April	57.09	172.00	93.25	1.89	91.36	9.55	83.71
May	57.61	171.98	93.63	1.88	91.75	9.62	84.01
June	57.80	172.70	94.01	1.86	92.15	9.69	84.32
July	57.52	172.93	93.91	1.85	92.06	9.69	84.22
August	56.87	173.72	93.74	1.84	91.90	9.73	84.01
September	56.78	172.86	93.42	1.83	91.59	9.75	83.67
October	56.99	170.84	92.95	1.82	91.13	9.78	83.18
November	56.58	167.50	91.64	1.81	89.83	9.84	81.80

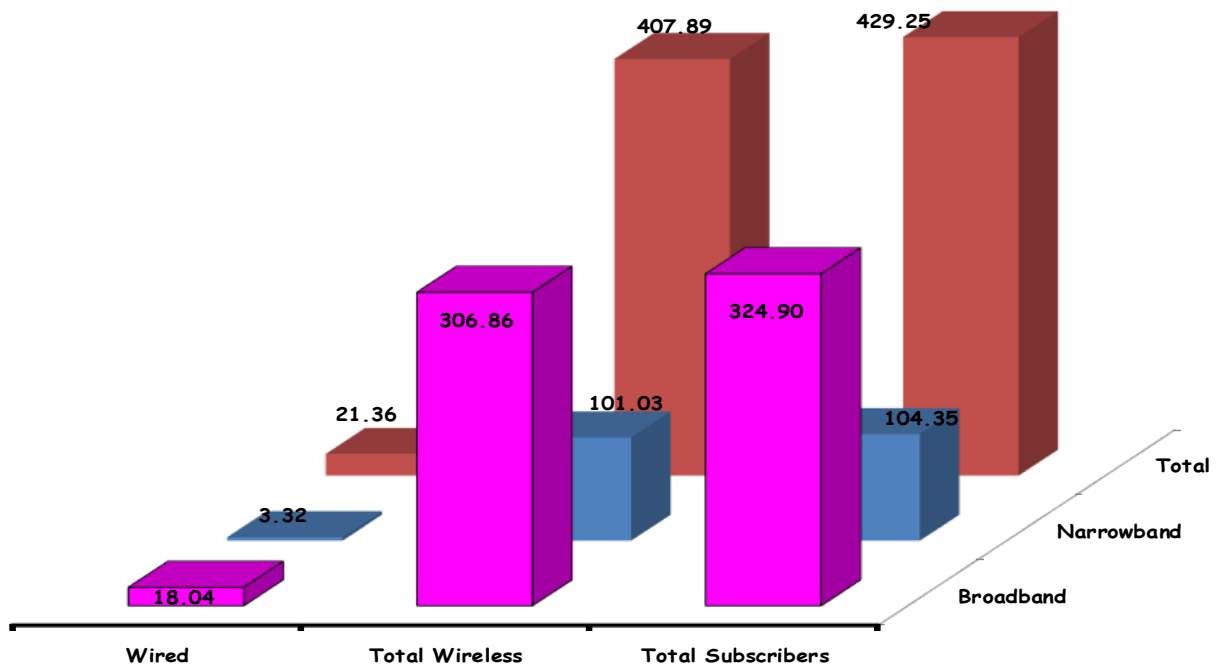
☞ The number of Internet subscribers (both broadband and narrowband put together) which was 422.18 million at the end of March, 2017 increased to 429.25 million by the end of September'17. The number of subscribers accessing internet via wireless phones etc. was 407.89 million at the end of September'17.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

Internet Subscribers - September 2017 (in millions)



☞ The number of Broadband subscribers was increased to 350.70 million at the end of November'17 from 340.16 million at the end of October'17 showing an increase of 3.10%.

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