

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

Dated: February 06, 2019

Subject: - Monthly Telecom Scenario as on 30th November'18.

Please find enclosed Monthly Telecom Scenario, containing updated telecom parameters upto November 2018.



**(Basant Kumar)
Joint Director (ERU-STT)
Tel No.: 23218848**

Secretary-DOT

Additional Secretary (T)

Member (F)

Member (S)

Member (T)

Adviser (F)

Adviser (T)

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Sr. Economic Adviser
Economic Adviser

Monthly Telecom Scenario

November 2018



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'18	October'18
Total Phones		1193.79	1192.13
Wireline	million	21.96	22.02
Wireless		1171.82	1170.11
Rural		529.01	524.76
Urban		664.78	667.37
Public		132.14	131.85
Private		1061.65	1060.28
Wireline %age to Total Phones		%age	1.84
Wireless %age to Total Phones	98.16		98.15
Rural %age to Total Phones	44.31		44.02
Urban %age to Total Phones	55.69		55.98
Public %age to Total Phones	11.07		11.06
Private %age to Total Phones	88.93		88.94
Overall Teledensity		91.22	91.18
Wireline Teledensity	%age	1.68	1.68
Wireless Teledensity		89.54	89.49
Rural Teledensity		59.30	58.86
Urban Teledensity		159.57	160.43
Public		10.10	10.08
Private		81.12	81.09
Teledensity: Top five Circles			
Himachal Pradesh	%age	145.89	145.38
Punjab		126.08	125.97
Kerala		125.12	125.07
Tamil Nadu		117.59	117.37
Karnataka		110.83	110.87
Teledensity: Metros			
Delhi	%age	235.88	236.14
Kolkata		170.10	169.95
Mumbai		164.42	164.50
Broadband	million	511.90	496.12



At the end of November'18, the total number of telephones was 1193.79 million, compared to 1192.13 million at the end of October'18, an increase of 1.66 million. Maximum rise in total telephone connections was recorded in Maharashtra (14421755) followed by Uttar Pradesh - [West] (5075970) and Gujarat (358750). However, Madhya Pradesh and Uttar Pradesh - [East] recorded a fall in telephone connections over previous month, with a decrease of 14352785 & 5081399 respectively.

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

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 (8.03%), Andhra Pradesh (7.39%), Bihar (7.36%) and Tamil Nadu (7.10%). These five Service areas taken together accounted for 38.42% of total telephone connections in India.

Telephones during the month of November'18				
Service Area	Wireline	Wireless	Total Phones	%age Share Total Phones
ANDHRA PRADESH	1428825	86829334	88258159	7.39
ASSAM	121917	21703793	21825710	1.83
BIHAR	242468	87565325	87807793	7.36
GUJARAT	1223903	70372673	71596576	6.00
HARYANA	282679	27537022	27819701	2.33
HIMACHAL PRADESH	118696	10452687	10571383	0.89
JAMMU & KASHMIR	106247	11454542	11560789	0.97
KARNATAKA	2173522	68548148	70721670	5.92
KERALA	1908546	43483971	45392517	3.80
MADHYA PRADESH	927255	76672024	77599279	6.50
MAHARASHTRA	1497466	94405344	95902810	8.03
NORTH-EAST	107165	11870513	11977678	1.00
ORISSA	240180	33095265	33335445	2.79
PUNJAB	800282	39310071	40110353	3.36
RAJASTHAN	555812	66082133	66637945	5.58
TAMIL NADU	2233666	82569330	84802996	7.10
UTTAR PRADESH - [East]	452767	101552790	102005557	8.54
UTTAR PRADESH - [West]	311852	64518411	64830263	5.43
WEST BENGAL	249683	58435589	58685272	4.92
KOLKATA	735274	26972282	27707556	2.32
DELHI	3203511	51058036	54261547	4.55
MUMBAI	3039532	37334608	40374140	3.38
TOTAL	21961248	1171823891	1193785139	100.00

1 Source: BSNL/MTNL/COAI



The overall tele-density at the end of November'18 was 91.22%. Among the Service areas, Himachal Pradesh (145.89%) had the highest tele-density followed by Punjab (126.08%), Kerala (125.12%), Tamil Nadu (117.59%) and Karnataka (110.83%). Among the three metros, Delhi Service Area topped in tele-density at 235.88%, followed by Kolkata (170.10%) and Mumbai (164.42%).

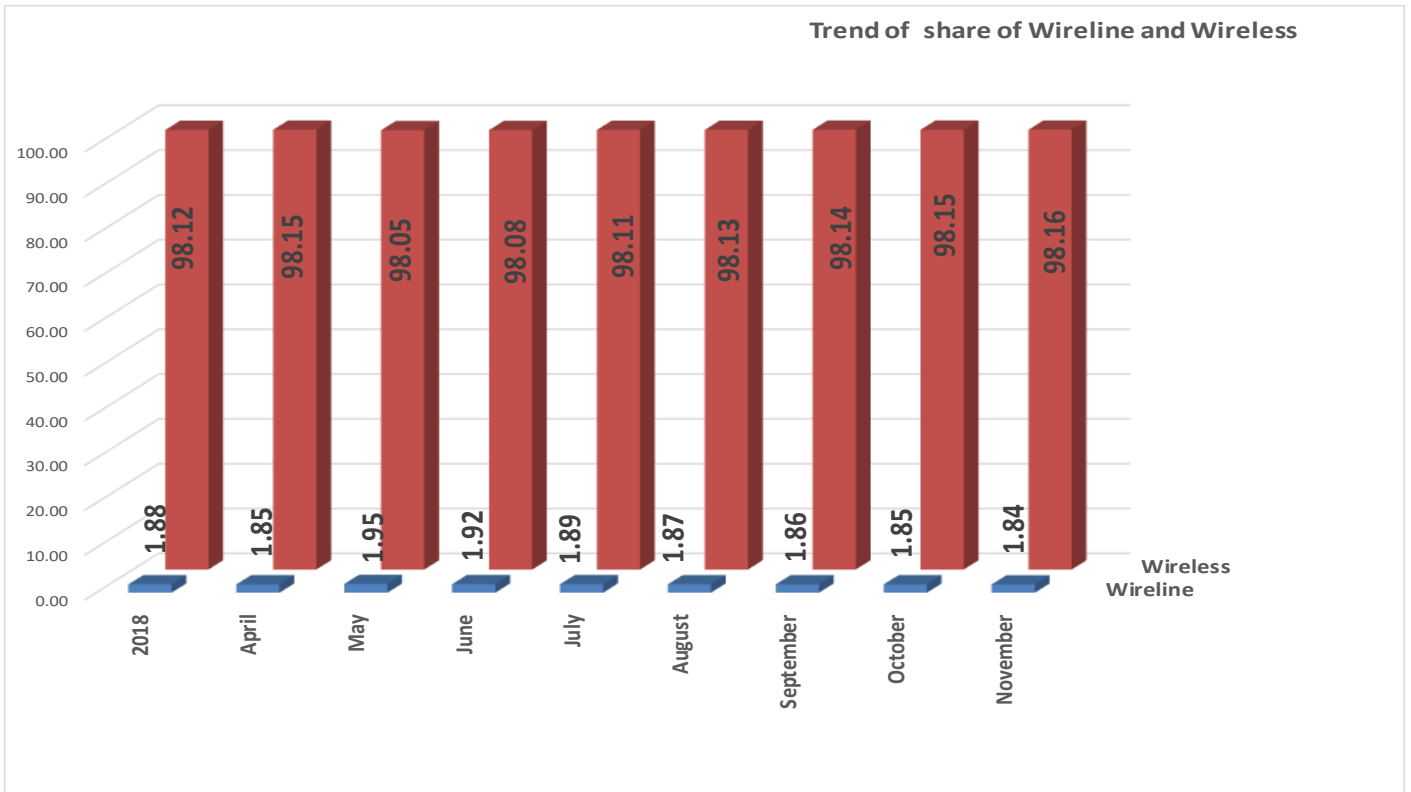
Teledensity : Service Area wise (in %age)

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

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.

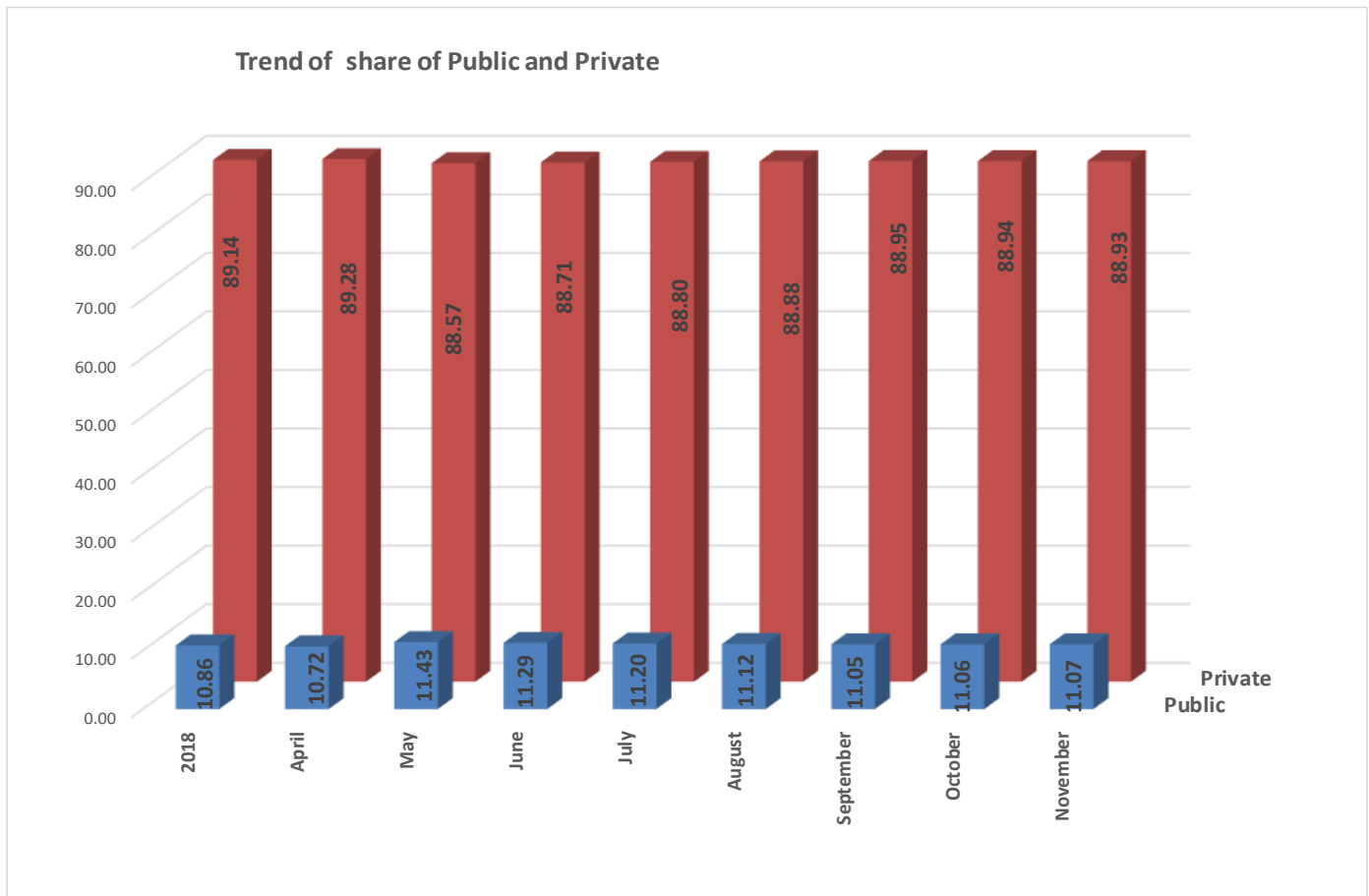
☞ The share of wireless segment in total connections stood at 98.16% at the end of November'18.



Telephones: Wireline vs Wireless

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

☞ In November'18, share of public sector in total telephones was 11.07%, as against 88.93% share of the private sector. In October'18, it was 11.06% and 88.94% respectively.

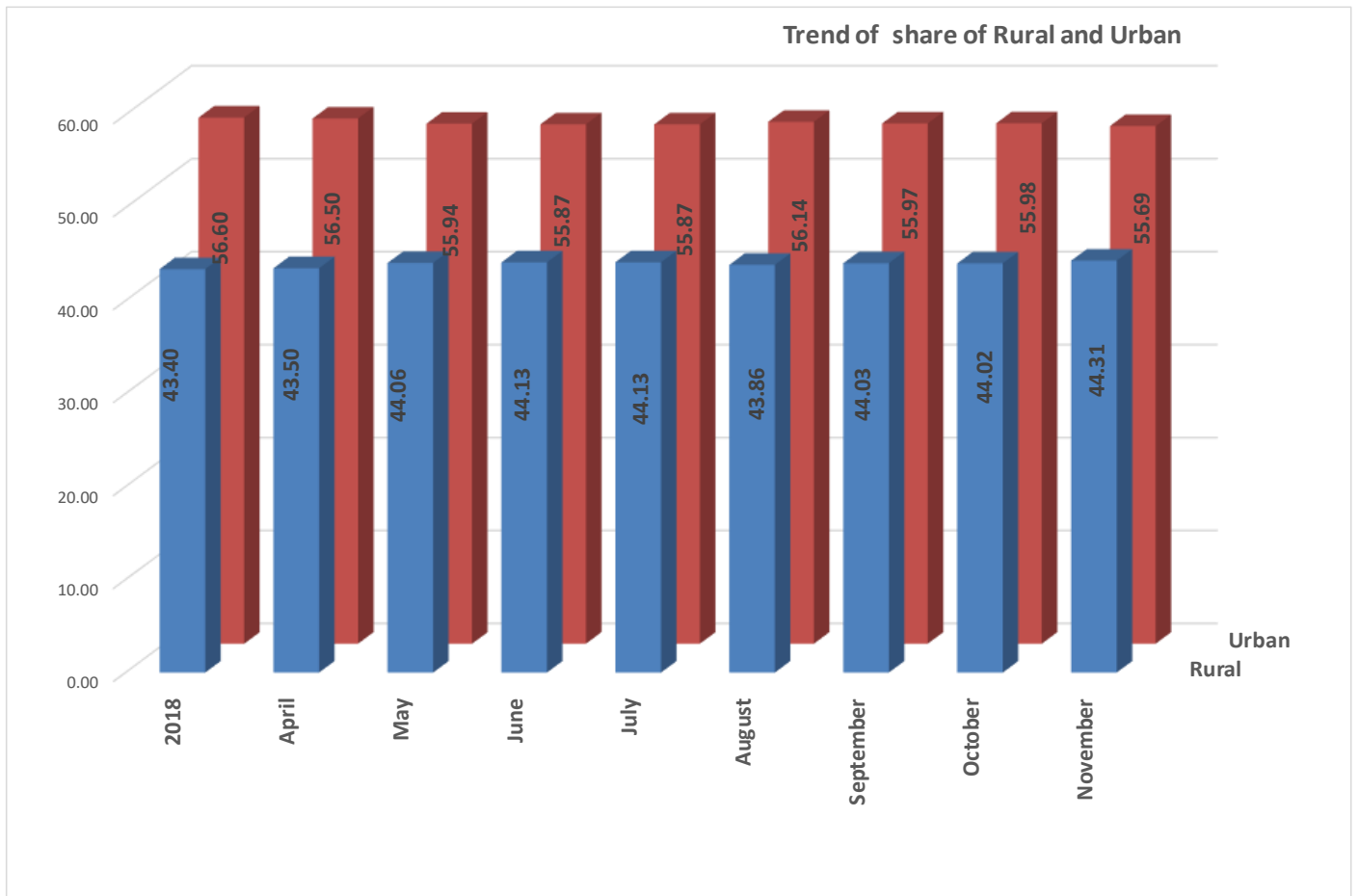


Telephones: Public vs. Private

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



Share of rural areas in total telephones increased to 44.31% in November'18 against 44.02% of October'18. The share of urban areas, on the other hand, decreased to 55.69% from 55.98% in October'18.



Telephones: Rural vs. Urban

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

☞ Overall teledensity for the month of November'18 stood at 91.22% as against 91.18% in October'18. The Teledensity for wireless segment was 89.54% whereas that of wireline segment is 1.68%. Teledensity reported in rural areas was 59.30% and that in the urban areas was 159.57%. In Public sector, teledensity was 10.10% and in Private sector, it was 81.12% for the month of November'18.

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

☞ The number of Internet subscribers (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.

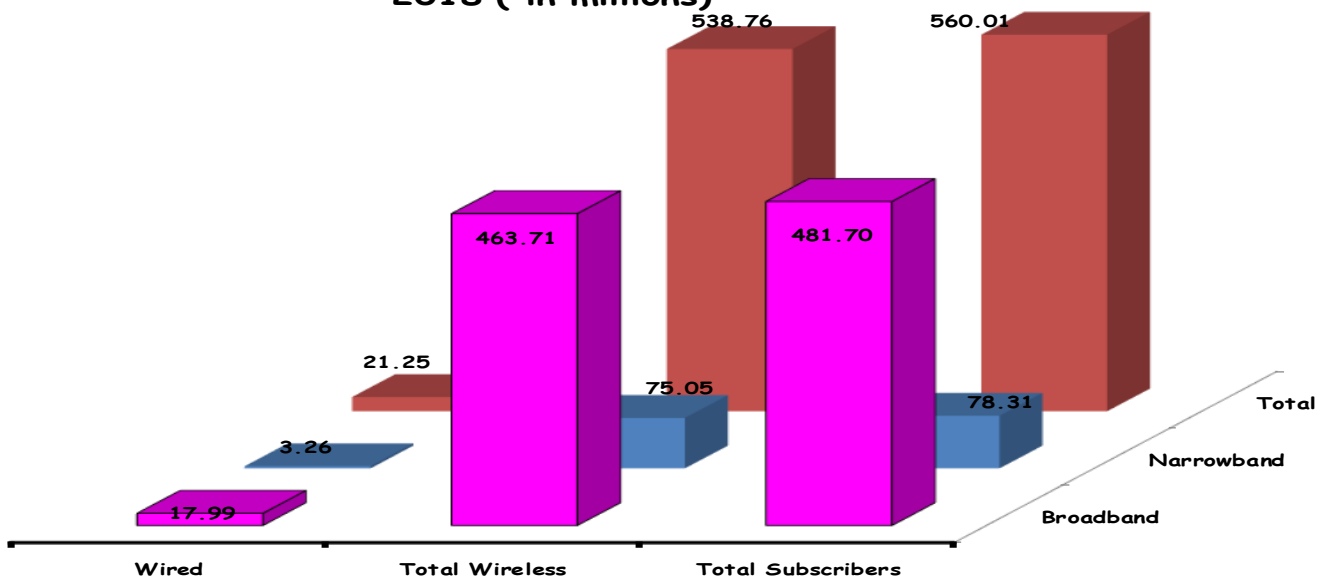
Trend of Internet Subscribers

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 511.90 million at the end of November'18 as compared to 496.12 million in October'18, showing an increase of 3.18%.

Broadband Subscribers in India * (In million)				
At the end of	Wired	Total Wireless	Total Subscribers	% growth
January'18	17.87	360.23	378.10	
February'18	17.72	374.34	392.06	3.69
March'18	17.95	394.65	412.60	5.24
April'18	17.97	401.83	419.80	1.75
May'18	17.94	414.06	432.00	2.91
June'18	17.90	429.22	447.12	3.50
July'18	17.95	442.29	460.24	2.93
August'18	18.02	445.63	463.65	0.74
September'18	17.99	463.71	481.70	3.89
October'18	18.10	478.02	496.12	2.99
November'18	18.09	493.81	511.90	3.18
