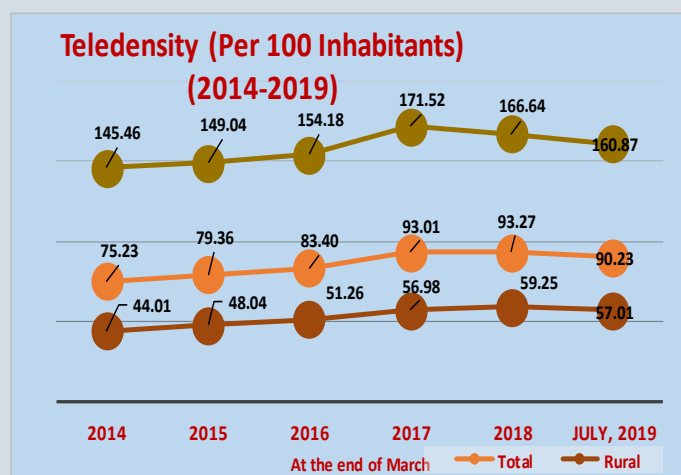


Telecom Statistics India-2019



सत्यमेव जयते



**Composition of subscribers - Rural & Urban,
At the end of July, 2019 (% Share)**



**Composition of subscribers - Public & Private Operators,
At the end of July, 2019 (% Share)**



**Economics Research Unit
Department of Telecommunications
Ministry of Communications
Government of India
New Delhi**

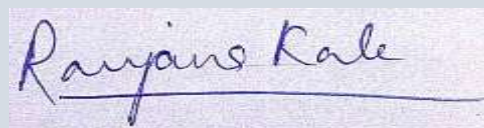
P R E F A C E

'Telecom Statistics of India' (TSI) is an annual publication brought out by the Economic Research Unit of Department of Telecommunications, Ministry of Communications with the objective of providing consistent and comparable time series data on India's telecom sector and to serve as a ready source of reference to enable further analysis. This is the fourth publication of TSI.

The data has been compiled by ERU-STT Division from various sources including Telecom companies/association, TRAI, DGCI&S, PSUs like MTNL, BSNL etc. The international data/ tables have been sourced mainly from ITU data base. Reference may be made to the respective original sources, (which are duly cited), with regard to the accuracy, adequacy or completeness of the information. As past data undergoes revisions, the same may not always match with figures published in the previous issues.

The document has been prepared through the combined efforts of the Officers and Staff of the Economic Research Unit and Statistics Section under the guidance of Shri Amit Ray, Economic Adviser, DoT. Special efforts made by Shri Basant Kumar, Director, Shri Damodar Bawari, Deputy Director, Ms. Ritu Chauhan, Assistant Director, Shri Naval Kishore Dubey, Senior Statistical Officer and Shri Itish Jain, Junior Statistical Officer are commendable.

Suggestions and advice for further improvements are welcome and may be sent to basant.kumar@nic.in.

A handwritten signature in blue ink that reads "Ranjana Kale". The signature is written in a cursive style and is positioned above a horizontal line.

(Ms. Ranjana Kale)
Senior Economic Adviser

Table No.	Content	Page No.
	(i) Telecom at a Glance	(v-vii)
	(ii) Share of Telecom in GVA	(viii)
	I - Telecom Subscriber Statistics	(1-16)
1	Trend of total telephones and teledensity in the country (2001-2019)	3
2	Number of landline and mobile Subscribers (2001-2019)	4
3	Rural, Urban, Public and Private Telephone Subscribers in India (Millions) (2006-2019)	5
4	Telephone Subscribers in India (Percent Share)(2006-2019)	6
5	Teledensity (Per 100 Inhabitants)(2006-2019)	7
6	Number of PCOs and VPTs in India (Lakhs)(2000-2019)	8
7	The number of mobile connections Ported-in and Ported-out of MTNL	9
8	The number of mobile connections Ported-in and Ported-out of BSNL	9
9	Internet Subscribers in India (Millions)(2007-2019)	10
10	Internet Subscribers in India (Per 100 Inhabitants)	11
11	Total Internet Connections - Rural & Urban (Millions) (2014-2019)	12
11A	Total Wireless Internet Connections - Rural & Urban (Millions) (2014-2019)	12
11B	Total Broadband Connections - Rural & Urban (Millions) (2014-2019)	12
11C	Total Wireless Broadband Connections - Rural & Urban (Millions) (2014-2019)	12
12	Service area wise internet subscriptions	13
12A	Service area wise Broadband subscriptions	14
12B	Service area wise Broadband (Wireline & Wireless) subscriptions	15
12c	Service area wise wireless internet subscriptions	16
	II - Telecom Usage Parameters	(17-20)
1	Telecom Usage Parameters (2007-2019)	19
2	Category-wise Minute of usage per Subscribers per month	20
	III - Service Area Wise Subscriber Statistics	(21-46)
1	Andhra Pradesh	24
2	Assam	25
3	Bihar	26
4	Gujarat	27
5	Haryana	28
6	Himachal Pradesh	29
7	Jammu & Kashmir	30
8	Karnataka	31
9	Kerala	32
10	Madhya Pradesh	33
11	Maharashtra	34
12	North-East	35
13	Odisha	36
14	Punjab	37
15	Rajasthan	38
16	Tamil Nadu	39
17	Uttar Pradesh	40
18	West Bengal	41
19	Kolkata	42
20	Chennai	43
21	Delhi	44
22	Mumbai	45

Table Nos.	Content	Page Nos.
	IV - North-Eastern Region (NER)	(47-54)
1	Wireline connections in the North-East vis a vis All India	49
2	State-wise wireline (rural/urban) connections in the North-East	49
3	Wireless connections in the North-East vis a vis All India	50
4	State-wise wireless (rural/urban) connections in the North-East	50
5	Total (Wireline + wireless) connections in the North-East vis a vis All India	51
6	Teledensity in North-Eastern States	52
7	Broadband and Internet connection in North-East	53
8	Statewise internet connections in North-East	53
9	Operator wise Telephone connections and market share of Assam as on 31.07.2016	54
10	Operator wise Telephone connections and market share of NE (excluding Assam) as on 31.07.2016	54
11	Operator wise Telephone connections and market share of NER (NE+Assam) as on 31.07.2016	54
	V - Operator wise Statistics	(55-60)
1	Operator-wise Telecom Subscribers in India (Millions)(2008-2019)	57
2	Operator-wise Subscribers percent share to Total (All Operators)(2008-2019)	57
3	PSU Telecom Subscribers in India (Millions)(2008-2019)	58
4	PSU Operators' percent share to Total (All Operators)(2008-2019)	58
5	Subscribers of Private Operators in India (Millions)(2008-2019)	59
6	Private Operators' Subscriber percent share to Total (All Operators) (2008-2019)	59
	VI - Financials Telecom Operators	(61-66)
1	Gross Revenue (In ₹ Crore)	63
2	EBIDTA (In ₹ Crore)	63
3	PBIT (In ₹ Crore)	64
4	PBT (In ₹ Crore)	64
5	PAT (In ₹ Crore)	65
6	AGR (In ₹ Crore)	65
7	ARPU (In ₹)	66
	VII - Telecom Revenue	(67-72)
1	Revenue from Telecom Services (₹ crores)(2007-2019)	69
2	Composition of APRU per month and Share of Revenue - Wireless Service	70
3	Average Revenue Per User (ARPU) per month (₹)	71
	VIII - LSA-wise Total Towers and Base Transceivers Stations (BTSs) Count	(73-76)
1	LSA-wise Total Towers Count	75
2	LSA-wise Total Base Transceivers Stations (BTSs)	76
	IX - Foreign Direct Investment (FDI)	(77-82)
1	FDI EQUITY INFLOWS (US\$ in million)(2001-2019)	79
2	Country-wise FDI Inflow(in Million US\$) from 2000-2019: Top Twenty Countries and their %age share	80
3	Sector-wise FDI Inflow (in million of USD) from 2000 to 2019: Top Ten Sectors and their %age share	81
	X - Export - Import	(83-88)
1	Indian Export -Import Composition (Telecom instruments/equipment)	85
2	India's Export By Telecom Equipment (detailed) From April 2018 To March 2019	86
3	India's Import of Telecom Equipment (detailed) From April 2018 To March 2019	87

Table No.	Content	Page No.
	XI - International Comparision	(89-106)
1	Fixed-telephone Subscriptions International Comparisons (millions) (2005-2018)	91
2	Fixed-telephone Subscriptions per 100 Inhabitants International Comparisons (2005-2018)	92
3	Mobile Cellular Subscriptions International Comparisons (millions) (2005-2018)	93
4	Mobile Cellular Subscriptions per 100 Inhabitants International Comparisons (2005-2018)	94
5	Fixed-Broadband Subscriptions International Comparisons (millions) (2005-2018)	95
6	Fixed-Broadband Subscriptions per 100 Inhabitants International Comparisons (2005-2018)	96
7	Individuals using the internet (millions)(2005-2018)	97
8	Individuals using the internet per 100 Inhabitants (2005-2018)	98
9	ICT Development Index (IDI 2017) - India's Profile at a Glance	99
10	IDI rankings and values, 2017 and 2016	(100-103)
10A	Most Dynamic Countries in IDI - 2016-17	104
10B	Highest and Lowest ranking economies by Region	105
	XII - Update (2017-18)	(107-112)
1	Latest updated summary of the telecom sector's performance	109
2	Latest updated summary of the telecom service area-wise performance during 2019-20	110
3	Latest updated summary of the Internet Subscribers (Technology-wise) performance during 2019-20	111
4	MOU per subscriber per month - Technology-wise in Quarter Ending March 2019	112
	Annexure - Areas covered by Telecom Service Areas / Telecom Circles	(113-114)
	Annexure - II - Service Areas of Categories	115

ABBREVIATIONS

TRAI	-Telecom Regulatory Authority of India
DoT	-Department of Telecommunications
DGCI&S	-Directorate General of Commercial Intelligence and Statistics
PSUs	-Public Sector Undertakings
MTNL	-Mahanagar Telephone Nigam Limited
BSNL	-Bharat Sanchar Nigam Limited
GVA	-Gross Value Added
PCO	-Public Call Offices
VPT	-Village Public Telephone
GSM	-Global System for Mobile Communications
CDMA	-Code Division for Mobile Access
ARPU	-Average Revenue Per User
NE	-North East
MoU	-Minutes of Use
BTS	-Base Transceiver Stations

Telecommunications at a Glance

S.No.	Title	At the end of March					
		2014	2015	2016	2017	2018	2019
1	Telephones and teledensity in the country						
	i)Telephones (In Million)	933.02	996.13	1059.33	1194.99	1211.80	1183.41
	ii)Teledensity (Per 100 Inhabitants)	75.23	79.36	83.40	93.01	93.27	90.10
2	No. of Subscribers (in Millions)						
	i)Landline	28.50	26.59	25.22	24.40	22.81	21.70
	ii)Mobile subscribers	904.52	969.54	1034.11	1170.59	1188.99	1161.71
3	Telephone Subscribers in India (in Millions)	933.02	996.13	1059.33	1194.99	1211.80	1183.41
	i)Rural	377.78	416.08	447.77	501.81	525.87	514.27
	ii)Urban	555.23	580.05	611.56	693.18	685.93	669.14
	iii)Public	120.05	100.34	108.65	122.18	131.66	133.51
	iv)Private	812.96	895.79	950.68	1072.81	1080.14	1049.90
4	Telephone Subscribers in India (%age share)						
	Wireline	3.05	2.67	2.38	2.04	1.88	1.83
	Wireless	96.95	97.33	97.62	97.96	98.12	98.17
	Rural	40.49	41.77	42.27	41.99	43.40	43.46
	Urban	59.51	58.23	57.73	58.01	56.60	56.54
	Public	12.87	10.07	10.26	10.22	10.86	11.28
	Private	87.13	89.93	89.74	89.78	89.14	88.72
5	Teledensity (Per 100 Inhabitants)	75.23	79.36	83.40	93.01	93.27	90.10
	Wireline	2.30	2.12	1.99	1.90	1.76	1.65
	Wireless	72.94	77.24	81.41	91.11	91.51	88.45
	Rural	44.01	48.04	51.26	56.98	59.25	57.50
	Urban	145.46	149.04	154.18	171.52	166.64	159.66
	Public	9.68	7.99	8.55	9.51	10.13	10.16
	Private	65.55	71.36	74.85	83.50	83.14	79.94
6	No. of PCOs and VPTs in India (In lakhs)						
	PCO	9.57	7.37	5.89	4.52	3.60	2.55
	VPT	5.89	5.86	5.87	2.30	1.99	1.30

Telecommunications at a Glance (Contd.)

S.No.	Title	At the end of March					
		2014	2015	2016	2017	2018	2019
7	NO. of Mobile connections(MTNL)						
	Ported-in	16166	25784	24627	17730	8702	10195
	Delhi	9286	9552	11509	8067	2185	3170
	Mumbai	6880	16232	13118	9663	6517	7025
	Ported-out	76973	75464	79007	97091	181160	135104
	Delhi	43721	39387	39868	59402	119059	76351
	Mumbai	33252	36077	39139	37689	62101	58753
8	NO. of Mobile connections(BSNL)						
	Ported-in	920343	1383043	2951000	3318327	1480813	2787699
	Ported-out	1505343	1762282	1835383	3290360	889936	520531
9	Internet Subscribers in India (Millions)	251.59	302.36	342.65	422.20	493.96	636.73
	Narrowband	190.72	203.15	192.90	145.68	81.35	73.42
	Broadband	60.87	99.20	149.75	276.52	412.60	563.31
	Wired	18.50	19.07	20.44	21.58	21.24	21.68
	Wireless	233.09	283.29	322.21	400.62	472.72	615.05
	Urban	-	194.80	230.71	285.68	348.13	409.72
	Rural	-	107.56	111.94	136.52	145.83	227.01
10	Internet Subscribers in India (Per 100 Inhabitants)	20.29	24.09	26.98	32.86	38.02	48.48
	Urban	-	49.07	58.28	70.83	84.74	97.94
	Rural	-	12.89	12.80	15.49	16.41	25.36
11	Revenue from Telecom Services (₹ crore)						
	Telecom Sector*						
	Gross Revenue	60,716.21	65,226.73	68,335.39	63,315.18	62,198.26	58,414.00
	Adjusted Gross Revenue	41,016.13	45,157.78	48,379.00	40,831.33	35,697.24	35,932.00
	Access Services*-Adjusted Gross Revenue	31,922.39	35,938.26	39,885.55	31,594.91	25,448.09	26,095.71
	Access Services*-ARPU per month	115.28	121.81	126.91	89.34	71.62	72.49
	Licence Fee@	12,955.00	12,358.00	15,771.00	15,615.00	-	11132.00#
	Spectrum Charges@	6,883.67	17841.93**	-	-	-	-
	Auction Revenue@	18,267.18	-	-	-	-	-
12	Telecom Usage Parameters						
	Traffic(MOU) minutes of use/subscriber/month						
	GSM	389	383	381	405	584	692
	CDMA	272	265	260	250	60	
	APRU (₹/Subscriber/month)						
	GSM	₹ 113.44	₹ 120.68	₹ 124.85	₹ 82.68	₹ 76.04	₹ 71.39
	CDMA	₹ 104.98	₹ 108.21	₹ 103.54	₹ 131.34	₹ 79.32	
	Data Usage per subscriber per month						
	GSM	53.94	89.06	133.87	1006.00	2447.00	9.6 GB
	CDMA	176.24	278.22	433.64	473.00	173.00	
	Minutes of usages for internet	251.00	245.00	277.00	258.00	258.00	197.00

Telecommunications at a Glance (Contd.)

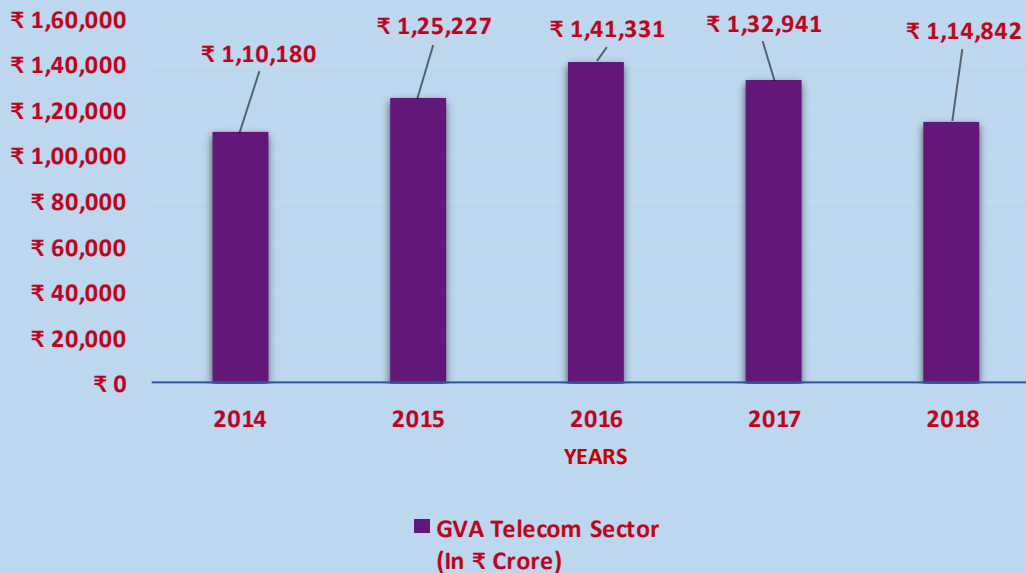
S.No.	Title	At the end of March					
		2014	2015	2016	2017	2018	2019
13	FDI EQUITY INFLOWS (US\$ in million)	24,299	30,931	40,001	43,478	44,857	44,366
	Telecommunication Sector	1,307	2,895	1,324	5,564	6,212	2,668
	Share of Telecommunication Sector	5.38%	9.36%	3.31%	12.80%	13.85%	6.01%
14	GVA (in Crore) (At constant price) (As per NAS)	₹ 90,63,649	₹ 97,12,133	₹ 104,91,870	₹ 113,18,972	₹ 121,04,165	-
	GVA Telecom Sector	₹ 1,10,180	₹ 1,25,227	₹ 1,41,331	₹ 1,32,941	₹ 1,14,842	-
	Share of Telecom Sector	1.22	1.29	1.35	1.17	0.95	-
15	Number of Mobile Towers as on 31.03.2017 (^12.07.2019)	-	-	-	412387	-	560162^
16	No. of Base Transceiver Stations (BTS) (^as on 12.07.2019)	649834	758489	1051725	1384737	2035488	2180224^
	Operator-wise performance						
17	Telecom Subscribers in India (Millions)	933.02	996.13	1059.33	1194.99	1211.80	1183.41
	PSU	120.05	100.34	108.65	122.18	131.66	133.51
	BSNL	113.14	93.24	101.58	115.09	124.75	126.81
	MTNL	6.91	7.10	7.06	7.09	6.90	6.70
	Private	812.96	895.79	950.68	1072.81	1080.14	1049.90
19	Operator-wise subscriber percent Share in Total (All Operators) (2008-2016)						
	PSU	12.87	10.07	10.26	10.22	10.86	11.28
	BSNL	12.13	9.36	9.59	9.63	10.29	10.72
	MTNL	0.74	0.71	0.67	0.59	0.57	0.57
	Private	87.13	89.93	89.74	89.78	89.14	88.72

**Table - Share of Telecom in GVA
(At constant price) (In ₹ Crore)**

Year ending	Total GVA (In ₹ Crore)	GVA Telecom Sector (In ₹ Crore)	Share of Telecom Sector (%)
2012	₹ 81,06,946	₹ 91,346	1.13
2013	₹ 85,46,275	₹ 97,541	1.14
2014	₹ 90,63,649	₹ 1,10,180	1.22
2015	₹ 97,12,133	₹ 1,25,227	1.29
2016	₹ 104,91,870	₹ 1,41,331	1.35
2017	₹ 113,18,972	₹ 1,32,941	1.17
2018	₹ 121,04,165	₹ 1,14,842	0.95

Source - MoSPI-National Accounts Statistics (NAS)-2018

**Fig - Telecom in GVA
(At Constant Prices)**

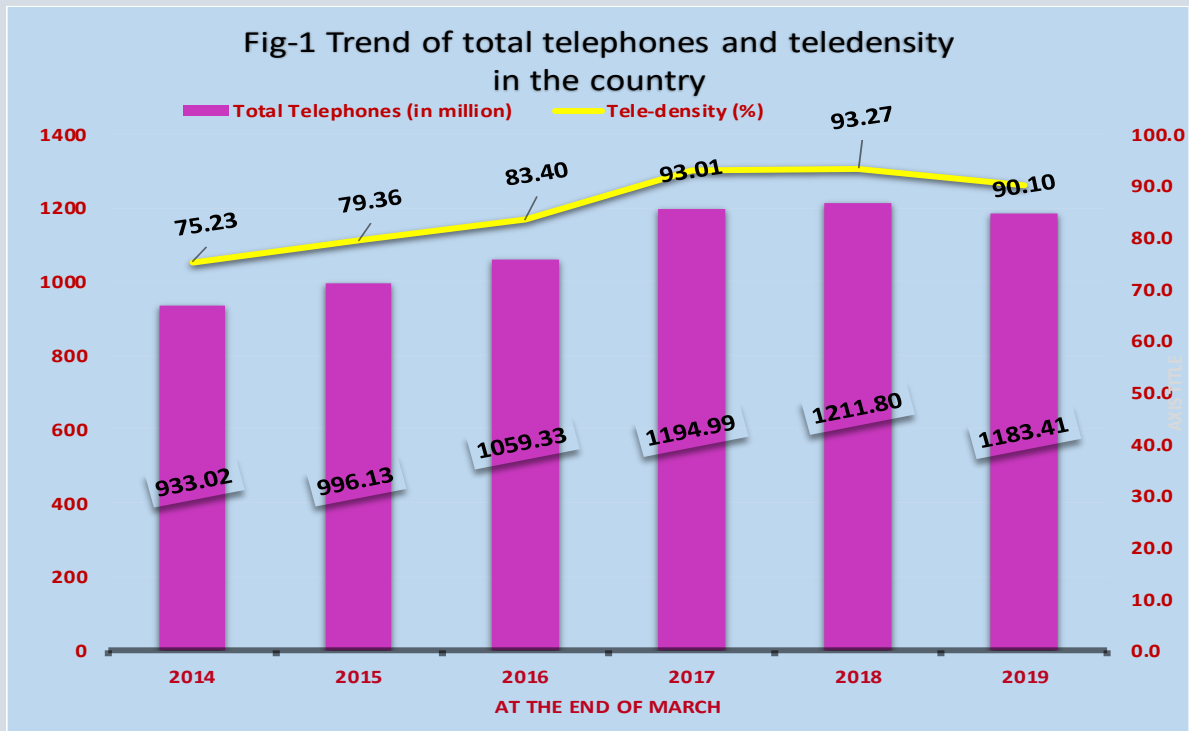


1 – Telecom Subscriber Statistics

Table 1 - Trend of total telephones and teledensity in the country (2001 to 2019)

At the end of March	Total Telephones (in million)	Tele-density (%)
2001	36.28	3.58
2002	44.97	4.29
2003	54.61	5.11
2004	76.54	7.02
2005	98.37	8.95
2006	142.09	12.74
2007	205.87	18.22
2008	300.49	26.22
2009	429.72	36.98
2010	621.28	52.73
2011	846.33	70.89
2012	951.35	78.66
2013	898.02	73.32
2014	933.02	75.23
2015	996.13	79.36
2016	1059.33	83.40
2017	1194.99	93.01
2018	1211.80	93.27
2019	1183.41	90.10

Source - DOT (Compiled Data)



**Table 2 - Number of landline and mobile subscribers
(2001 to 2019)**

At the end of March	No. of Mobile phone subscribers (in Million)	No. of landline subscribers (in Million)
2001	3.58	32.70
2002	6.68	38.29
2003	13.29	41.32
2004	35.62	40.92
2005	56.95	41.42
2006	101.87	40.22
2007	165.09	40.77
2008	261.08	39.41
2009	391.76	37.96
2010	584.32	36.96
2011	811.6	34.73
2012	919.18	32.17
2013	867.81	30.21
2014	904.52	28.50
2015	969.54	26.59
2016	1034.11	25.22
2017	1170.59	24.40
2018	1188.99	22.81
2019	1161.71	21.70

Source - DOT (Compiled Data)

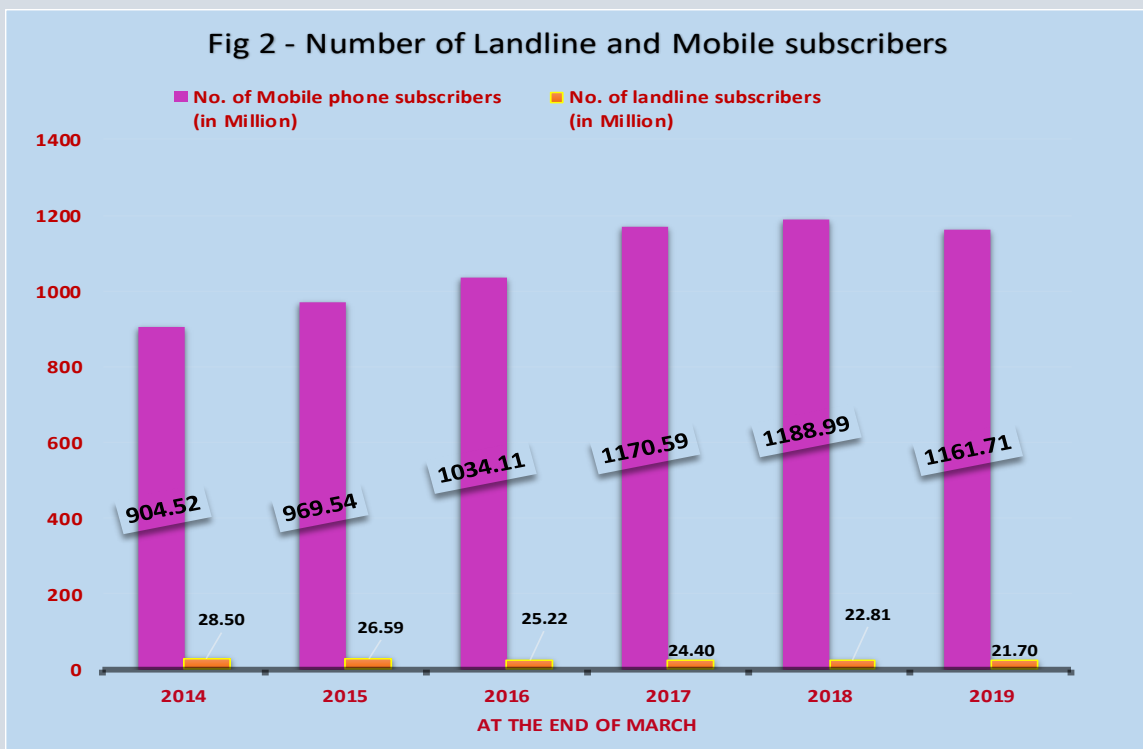


Table 3 - Rural, Urban, Public and Private Telephone Subscribers in India (Millions) (2006-2019)

At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2006	142.09	40.22	101.87	18.54	123.55	61.08	81.01
2007	205.85	40.77	165.08	47.10	158.76	71.39	134.47
2008	300.49	39.41	261.08	76.50	223.99	79.55	220.94
2009	429.73	37.96	391.76	123.51	306.21	89.55	340.18
2010	621.28	36.96	584.32	200.77	420.51	105.87	515.41
2011	846.33	34.73	811.60	282.29	564.04	126.00	720.33
2012	951.35	32.17	919.17	330.83	620.52	130.27	821.08
2013	898.02	30.21	867.81	349.21	548.80	130.11	767.91
2014	933.02	28.50	904.52	377.78	555.23	120.05	812.96
2015	996.13	26.59	969.54	416.08	580.05	100.34	895.79
2016	1059.33	25.22	1034.11	447.77	611.56	108.65	950.68
2017	1194.99	24.40	1170.59	501.81	693.18	122.18	1072.81
2018	1211.80	22.81	1188.99	525.87	685.93	131.66	1080.14
2019	1183.41	21.70	1161.71	514.27	669.14	133.51	1049.90

Source- DOT (Compiled Data)

Note : NA - Not Available

Fig 3A - Composition of subscribers - Rural & Urban, At the end of March, 2019 (In Millions)

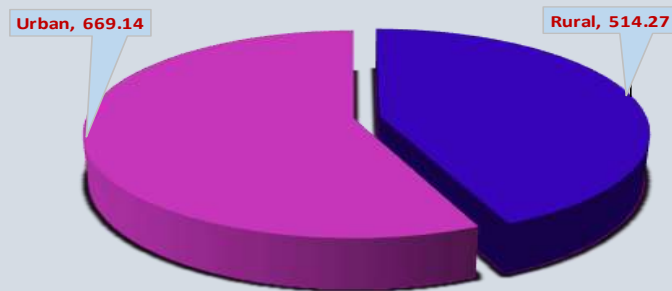
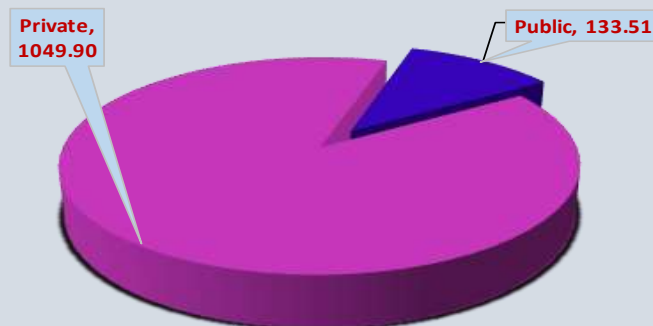


Fig 3B - Composition of subscribers - Public & Private Operators, At the end of March, 2019 (In Millions)



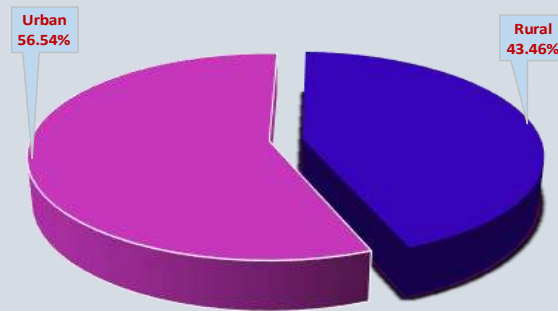
**Table 4 - Telephone Subscribers in India
(Percent Share) (2006-2019)**

At the end of March	Wireline	Wireless	Rural	Urban	Public	Private
2006	28.31	71.69	13.05	86.95	42.99	57.01
2007	19.81	80.19	22.88	77.12	34.68	65.32
2008	13.12	86.88	25.46	74.54	26.47	73.53
2009	8.83	91.17	28.74	71.26	20.84	79.16
2010	5.95	94.05	32.32	67.68	17.04	82.96
2011	4.10	95.90	33.35	66.65	14.89	85.11
2012	3.38	96.62	34.77	65.23	13.69	86.31
2013	3.36	96.64	38.89	61.11	14.49	85.51
2014	3.05	96.95	40.49	59.51	12.87	87.13
2015	2.67	97.33	41.77	58.23	10.07	89.93
2016	2.38	97.62	42.27	57.73	10.26	89.74
2017	2.04	97.96	41.99	58.01	10.22	89.78
2018	1.88	98.12	43.40	56.60	10.86	89.14
2019	1.83	98.17	43.46	56.54	11.28	88.72

Source- DOT (Compiled Data)

Note : NA - Not Available

**Fig 4A - Composition of subscribers - Rural & Urban,
At the end of March, 2019 (% Share)**



**Fig 4B - Composition of subscribers - Public & Private
Operators, At the end of March, 2019 (% Share)**

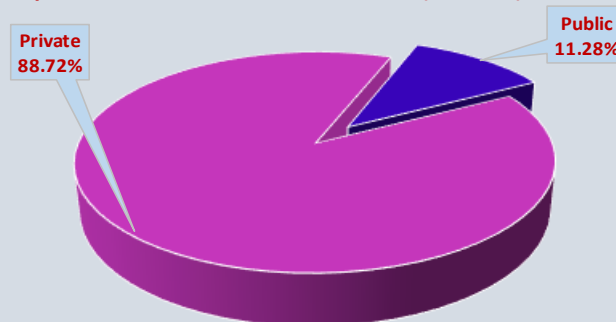


Table 5 - Teledensity (No. of Subscribers Per 100 Inhabitants) (2006-2019)

At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2006	12.74	3.61	9.13	2.34	38.28	5.48	7.26
2007	18.22	3.61	14.61	5.89	48.10	6.32	11.90
2008	26.22	3.44	22.78	9.46	66.39	6.94	19.28
2009	36.98	3.27	33.71	15.11	88.84	7.71	29.27
2010	52.74	3.14	49.60	24.31	119.45	8.99	43.75
2011	70.89	2.91	67.98	33.83	156.93	10.55	60.34
2012	78.66	2.66	76.00	39.26	169.17	10.77	67.89
2013	73.32	2.47	70.85	41.05	146.64	10.62	62.69
2014	75.23	2.30	72.94	44.01	145.46	9.68	65.55
2015	79.36	2.12	77.24	48.04	149.04	7.99	71.36
2016	83.40	1.99	81.41	51.26	154.18	8.55	74.85
2017	93.01	1.90	91.11	56.98	171.52	9.51	83.50
2018	93.27	1.76	91.51	59.25	166.64	10.13	83.14
2019	90.10	1.65	88.45	57.50	159.66	10.16	79.94

Fig 5 - Teledensity (Per 100 Inhabitants) (2014-2019)

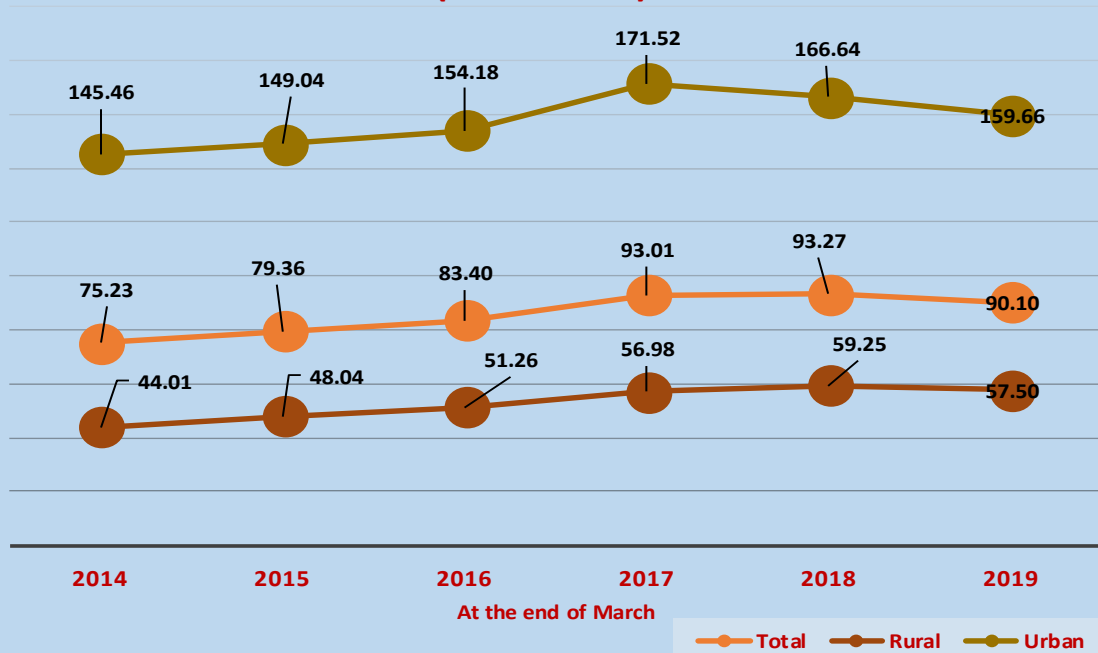


Table 6 - Number of Public Call Offices (PCOs) and Village Public Telephones (VPTs) in India (Lakh) (2000-2019)

March Ending	Public Call Offices (PCOs)	Village Public Telephones (VPTs)
2000	6.50	4.10
2001	8.60	3.70
2002	10.80	4.70
2003	14.90	5.10
2004	19.20	5.20
2005	27.70	5.30
2006	42.00	5.50
2007	55.50	5.64
2008	61.90	5.60
2009	62.00	5.61
2010	45.90	5.76
2011	33.30	5.85
2012	20.10	5.84
2013	12.60	5.90
2014	9.57	5.89
2015	7.37	5.86
2016	5.89	5.87
2017	4.52	2.30
2018	3.60	1.99
2019	2.55	1.30

Source - Telecom Regulatory Authority of India (TRAI)

Fig 6 - Number of Public Call Offices (PCOs) and Village Public Telephones (VPTs) in India (2013-2017)

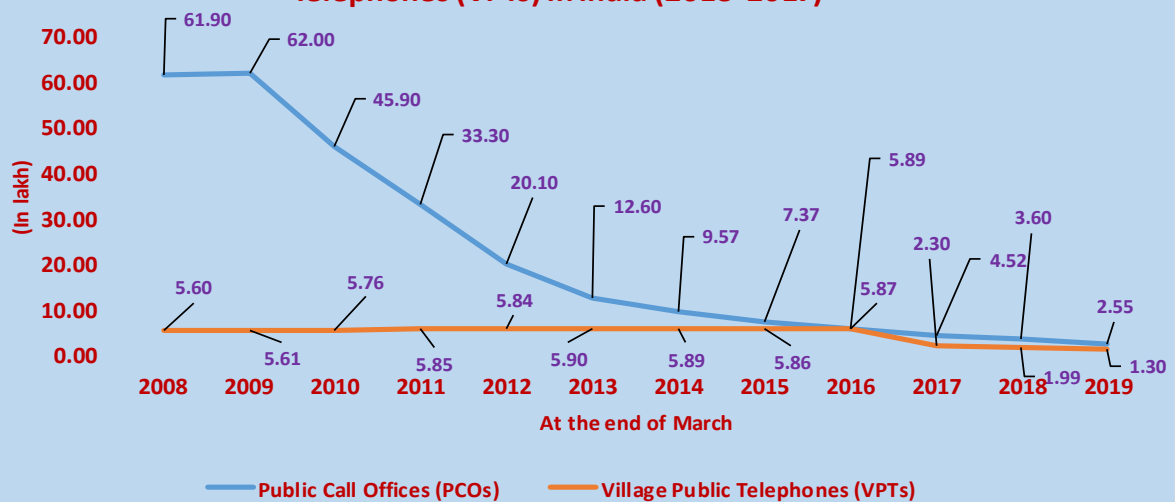


Table 7 -The number of mobile connections Ported-in and Ported-out of MTNL

Period	Ported in			Ported out			Ratio of Port out to Port in		
	Delhi	Mumbai	Total	Delhi	Mumbai	Total	Delhi	Mumbai	Total
20.01.11 - 31.03.11	5593	2125	7718	17022	17676	34698	3.04	8.32	4.50
2011-12	14347	5376	19723	41280	40111	81391	2.88	7.46	4.13
2012-13	14826	7836	22662	44986	29672	74658	3.03	3.79	3.29
2013-14	9286	6880	16166	43721	33252	76973	4.71	4.83	4.76
2014-15	9552	16232	25784	39387	36077	75464	4.12	2.22	2.93
2015-16	11509	13118	24627	39868	39139	79007	3.46	2.98	3.21
2016-17	8067	9663	17730	59402	37689	97091	7.36	3.90	5.48
2017-18	2185	6517	8702	119059	62101	181160	54.49	9.53	20.82
2018-19	3170	7025	10195	76351	58753	135104	24.09	8.36	13.25
Total	78535	74772	153307	481076	354470	835546	6.13	4.74	5.45

Source- Mahanagar Telephone Nigam Limited

Table 8 - The number of mobile connections Ported-in and Ported-out of BSNL

Calender Year	Ported in	Ported out	Ratio of Port out to Port in
2010	3286	17085	5.20
2011	1014879	1485605	1.46
2012	993098	1309549	1.32
2013	865350	1240960	1.43
2014	920343	1505343	1.64
2015	1383043	1762282	1.27
2016	2951000	1835383	0.62
2017	3318327	3290360	0.99
2018	4057763	3196845	0.79
2019 (Jan.-Mar.19)	2787699	520531	0.19
Total	18294788	16163943	0.88

Source- Bharat Sanchar Nigam Limited

Table 9 - Internet Subscribers in India (Millions) (2007-2019)

At the end of March	Total	Narrowband	Broadband	Wired	Wireless	Urban	Rural
2007	-	-	2.34	9.27	31.30	-	-
2008	-	-	3.87	11.09	65.50	-	-
2009	-	-	6.22	13.54	117.82	-	-
2010	-	7.41	8.77	16.18	177.87	-	-
2011	-	7.79	11.89	19.68	381.40	-	-
2012	-	5.70	13.81	19.51	-	-	-
2013	-	6.56	15.05	21.61	143.20	-	-
2014	251.59	190.72	60.87	18.50	233.09	-	-
2015	302.36	203.15	99.20	19.07	283.29	194.80	107.56
2016	342.65	192.90	149.75	20.44	322.21	230.71	111.94
2017	422.20	145.68	276.52	21.58	400.62	285.68	136.52
2018	493.96	81.35	412.60	21.24	472.72	348.13	145.83
2019	636.73	73.42	563.31	21.68	615.05	409.72	227.01

Source - TRAI

Note: - Not Available

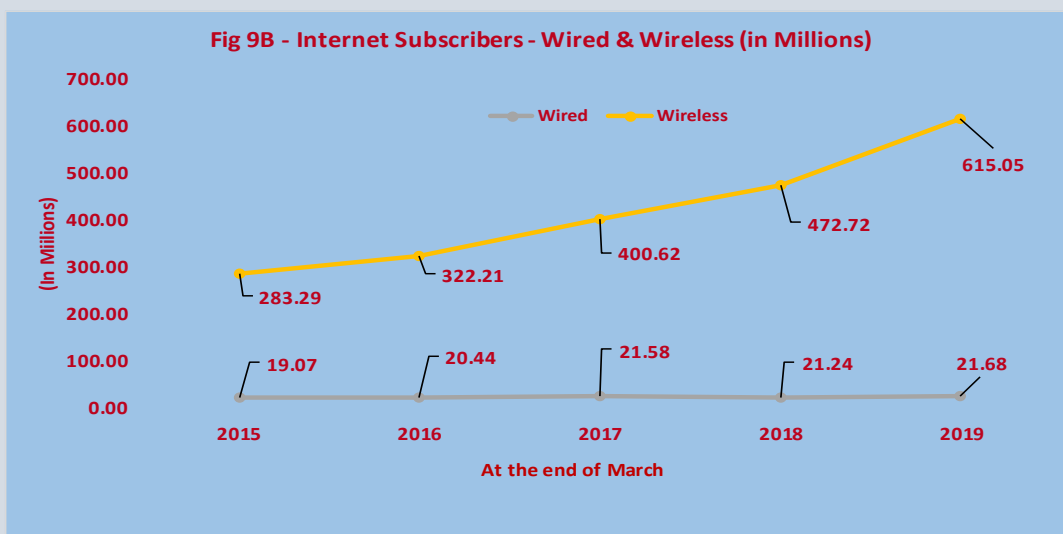
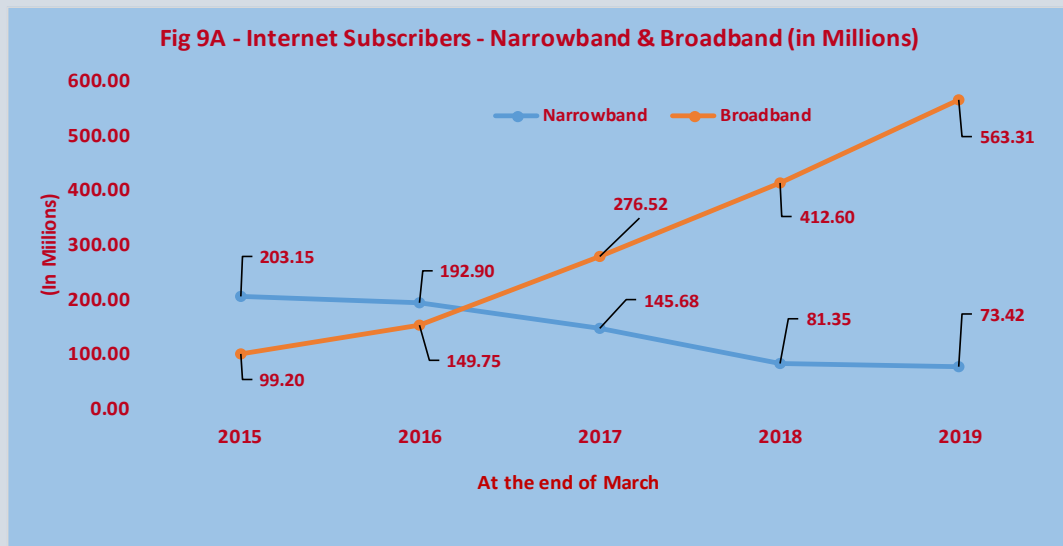


Table 11 - Total Internet Connections - Rural & Urban (Millions) (2014-2019)

At the end of March	Rural	Urban	Total
2014	-	-	251.58
2015	107.56	194.77	302.33
2016	111.95	230.71	342.66
2017	136.52	285.68	422.19
2018	145.83	348.13	493.96
2019	227.01	409.72	636.73

Source: TRAI

Table 11A - Total Wireless Internet Connections - Rural & Urban (Millions) (2014-2019)

At the end of March	Rural	Urban	Total
2014	-	-	233.09
2015	105.75	177.53	283.28
2016	110.08	212.13	322.21
2017	134.57	266.04	400.62
2018	143.89	328.83	472.71
2019	225.12	389.93	615.05

Source: TRAI

Table 11B - Total Broadband Connections - Rural & Urban (Millions) (2014-2019)

At the end of March	Rural	Urban	Total
2014	-	-	60.87
2015	21.32	77.87	99.19
2016	33.29	116.46	149.75
2017	71.06	205.45	276.52
2018	106.52	306.07	412.59
2019	190.03	373.28	563.31

Source: TRAI

Table 11C - Total Wireless Broadband Connections - Rural & Urban (Millions) (2014-2019)

At the end of March	Rural	Urban	Total
2014	-	-	46.02
2015	20.06	63.62	83.68
2016	31.98	100.79	132.77
2017	69.68	188.59	258.27
2018	105.14	289.51	394.65
2019	188.69	356.20	544.89

Source: TRAI

Table 12: Service area wise Total Internet subscriptions (Millions)

Service area	2019			2018			2017			2016			2015			2014
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Total
Andhra Pradesh	19.94	29.34	49.29	12.83	24.78	37.61	12.10	19.71	31.80	9.13	15.74	24.87	8.14	13.96	22.10	17.63
Assam	5.68	5.85	11.53	5.04	4.77	9.81	4.25	3.82	8.07	3.22	3.54	6.76	3.25	2.23	5.48	4.11
Bihar	22.62	16.72	39.34	13.51	14.90	28.40	11.91	12.19	24.10	8.87	10.76	19.63	7.94	8.64	16.58	11.85
Delhi	0.70	35.16	35.86	0.72	30.42	31.14	0.69	26.10	26.79	0.94	19.65	20.59	1.02	17.47	18.49	15.73
Gujarat	11.44	28.75	40.18	8.26	23.16	31.43	8.26	19.04	27.30	6.05	15.05	21.10	6.46	12.99	19.45	19.15
Haryana	5.54	9.35	14.90	3.80	5.25	9.05	3.65	5.99	9.63	2.97	4.59	7.56	3.15	3.98	7.13	5.40
Himachal Pradesh	3.21	1.96	5.17	2.04	4.90	6.94	2.10	1.66	3.76	1.75	1.27	3.02	1.63	0.95	2.58	2.05
Jammu & Kashmir	2.57	4.03	6.60	1.92	3.89	5.81	1.87	2.64	4.51	1.85	1.80	3.65	1.81	1.57	3.38	2.77
Karnataka	11.93	28.47	40.39	6.69	25.45	32.14	6.37	20.50	26.87	5.54	17.09	22.63	5.31	14.74	20.05	15.49
Kerala	10.04	14.67	24.71	7.49	12.31	19.80	6.72	9.83	16.55	5.58	9.02	14.60	5.93	7.04	12.97	10.89
Kolkata	1.53	14.13	15.66	1.00	12.35	13.35	0.76	10.90	11.66	0.55	8.71	9.26	0.44	7.57	8.01	6.41
Madhya Pradesh	15.69	25.71	41.40	6.94	18.94	25.88	7.70	17.07	24.77	6.25	14.16	20.41	5.70	10.86	16.56	15.58
Maharashtra	20.21	33.26	53.47	12.79	26.66	39.45	11.75	24.20	35.94	9.75	19.72	29.47	9.19	16.39	25.58	25.60
Mumbai	1.21	25.63	26.85	0.75	21.72	22.48	0.50	19.06	19.57	0.28	15.37	15.65	0.25	14.25	14.50	14.62
North East	2.78	3.92	6.70	2.38	3.56	5.94	2.22	2.53	4.75	1.97	2.09	4.06	1.91	1.64	3.55	3.00
Orissa	9.64	6.17	15.81	5.67	6.54	12.20	4.93	5.58	10.51	3.36	4.93	8.29	3.52	3.77	7.29	5.10
Punjab	7.13	16.45	23.58	4.58	14.05	18.63	4.67	11.97	16.65	4.71	8.75	13.46	4.83	8.09	12.92	10.12
Rajasthan	15.57	20.40	35.97	9.47	16.99	26.46	8.71	12.84	21.55	7.00	10.24	17.24	7.30	8.45	15.75	12.52
Tamil Nadu	11.37	34.11	45.48	9.31	30.26	39.57	8.08	24.24	32.32	6.85	21.16	28.01	6.50	17.63	24.13	20.42
UP (East)	22.81	22.16	44.97	14.46	20.29	34.75	13.41	15.18	28.58	11.22	11.25	22.47	10.65	9.72	20.37	14.14
UP (West)	11.90	20.15	32.06	7.03	16.75	23.79	7.10	12.83	19.93	6.48	10.06	16.54	5.67	8.41	14.08	10.19
West Bengal	13.49	13.33	26.83	9.14	10.17	19.31	8.80	7.78	16.58	7.64	5.74	13.38	6.90	4.39	11.29	8.82
Total	227.01	409.72	636.73	145.82	348.12	493.95	136.52	285.68	422.19	111.95	230.71	342.66	107.56	194.77	302.33	251.58

Source: TRAI

Table 12A: Service area wise Broadband subscriptions (Millions)

Service area	2019			2018			2017			2016			2015			2014
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Total
Andhra Pradesh	17.32	26.94	44.26	10.28	21.78	32.06	7.44	13.63	21.07	3.44	7.74	11.18	2.08	5.45	7.53	4.79
Assam	4.94	5.11	10.05	3.12	4.14	7.26	1.87	2.97	4.84	0.85	1.98	2.83	0.52	0.76	1.28	0.62
Bihar	18.56	14.57	33.14	8.36	12.16	20.52	4.37	7.66	12.03	1.95	3.87	5.82	1.2	1.95	3.15	2.1
Delhi	0.49	32.60	33.09	0.48	26.87	27.35	0.4	20.4	20.8	0.45	11.52	11.97	0.4	8.69	9.09	6.43
Gujarat	9.89	26.95	36.85	6.91	21.14	28.05	4.8	13.66	18.46	1.95	7.82	9.77	1.38	5.5	6.88	4.14
Haryana	4.88	8.58	13.46	3.25	4.75	8	2.37	4.5	6.87	0.89	2.32	3.21	0.57	1.68	2.25	1.04
Himachal Pradesh	2.90	1.73	4.63	1.62	4.64	6.26	1.28	1.08	2.36	0.73	0.46	1.19	0.45	0.29	0.74	0.42
Jammu & Kashmir	2.17	3.74	5.90	1.13	3.41	4.55	0.91	1.87	2.78	0.68	0.69	1.37	0.36	0.5	0.86	0.53
Karnataka	10.11	26.38	36.49	4.9	22.99	27.89	3.63	15.95	19.59	1.92	10.26	12.18	1.39	6.97	8.36	4.87
Kerala	8.98	13.44	22.42	6.6	11.15	17.75	4.99	7.61	12.61	2.88	5.26	8.14	2.31	3.56	5.87	3.55
Kolkata	1.37	12.63	14.00	0.87	10.54	11.41	0.6	7.66	8.26	0.3	4.1	4.4	0.21	2.67	2.88	1.86
Madhya Pradesh	12.27	23.11	35.37	4.57	16.46	21.03	2.99	12.04	15.04	1.06	6.77	7.83	0.43	4.16	4.59	2.65
Maharashtra	17.03	30.19	47.22	10.62	24.07	34.69	6.68	16.68	23.36	3.17	10.64	13.81	1.86	7.44	9.3	5.28
Mumbai	1.11	23.02	24.12	0.63	19.07	19.7	0.36	14.52	14.88	0.12	8.77	8.89	0.1	7.07	7.17	5.19
North East	2.42	3.51	5.93	1.53	3.03	4.56	1.13	1.79	2.91	0.62	0.98	1.6	0.39	0.58	0.97	0.65
Orissa	8.00	5.60	13.59	3.73	5.4	9.14	2.07	3.94	6.01	0.65	2.25	2.9	0.41	1.09	1.5	1.2
Punjab	6.31	15.35	21.67	3.54	12.85	16.39	2.64	9.12	11.76	1.12	4.06	5.18	0.62	2.78	3.4	1.55
Rajasthan	13.18	18.61	31.79	6.61	14.46	21.07	4.25	8.48	12.72	1.85	3.87	5.72	1.42	2.63	4.05	2.28
Tamil Nadu	9.75	31.20	40.95	7.37	26.05	33.41	5.42	17.35	22.77	3.32	11.56	14.88	2.26	7.56	9.82	6.51
UP (East)	17.90	19.75	37.65	9.03	17.18	26.21	5.54	9.55	15.08	1.81	3.99	5.8	0.96	2.29	3.25	1.77
UP (West)	9.51	18.21	27.72	4.71	14.86	19.57	2.7	8.71	11.41	1.32	4.02	5.34	0.7	2.76	3.46	1.89
West Bengal	10.95	12.07	23.02	6.65	9.07	15.72	4.63	6.28	10.9	2.21	3.51	5.72	1.23	1.48	2.71	1.53
Total	190.03	373.28	563.31	106.52	306.07	412.59	71.06	205.45	276.52	33.29	116.46	149.75	21.32	77.87	99.19	60.87

Source: TRAI

Table 12B: Service area wise Broadband (Wireline & Wireless) subscriptions (Millions)

Service area	2019			2018			2017			2016			2015			2014
	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Total
Andhra Pradesh	2.28	41.98	44.26	2.15	29.91	32.06	2.11	18.96	21.07	1.93	9.25	11.18	1.81	5.72	7.53	4.79
Assam	0.08	9.96	10.05	0.09	7.17	7.26	0.10	4.74	4.84	0.1	2.73	2.83	0.1	1.18	1.28	0.62
Bihar	0.22	32.92	33.14	0.22	20.30	20.52	0.23	11.80	12.03	0.23	5.59	5.82	0.22	2.93	3.15	2.1
Delhi	1.83	31.25	33.09	1.75	25.60	27.35	1.69	19.12	20.8	1.37	10.6	11.97	1.15	7.94	9.09	6.43
Gujarat	1.39	35.46	36.85	1.30	26.75	28.05	1.29	17.17	18.46	1.15	8.62	9.77	0.93	5.95	6.88	4.14
Haryana	0.35	13.10	13.46	0.37	7.63	8	0.37	6.50	6.87	0.36	2.85	3.21	0.34	1.91	2.25	1.04
Himachal Pradesh	0.09	4.54	4.63	0.10	6.16	6.26	0.10	2.26	2.36	0.09	1.1	1.19	0.09	0.65	0.74	0.42
Jammu & Kashmir	0.08	5.82	5.90	0.09	4.45	4.55	0.09	2.69	2.78	0.09	1.28	1.37	0.09	0.77	0.86	0.53
Karnataka	1.82	34.67	36.49	1.77	26.12	27.89	1.76	17.83	19.59	1.64	10.54	12.18	1.47	6.89	8.36	4.87
Kerala	1.37	21.06	22.42	1.34	16.40	17.75	1.34	11.27	12.61	1.28	6.86	8.14	1.21	4.66	5.87	3.55
Kolkata	0.60	13.40	14.00	0.59	10.82	11.41	0.62	7.65	8.26	0.53	3.87	4.4	0.44	2.44	2.88	1.86
Madhya Pradesh	0.75	34.63	35.37	0.72	20.31	21.03	0.76	14.28	15.04	0.7	7.13	7.83	0.65	3.94	4.59	2.65
Maharashtra	1.54	45.68	47.22	1.46	33.23	34.69	1.48	21.87	23.36	1.39	12.42	13.81	1.29	8.01	9.3	5.28
Mumbai	1.24	22.89	24.12	1.20	18.50	19.7	1.30	13.58	14.88	1.34	7.55	8.89	1.21	5.96	7.17	5.19
North East	0.07	5.86	5.93	0.07	4.49	4.56	0.07	2.84	2.91	0.06	1.54	1.6	0.06	0.91	0.97	0.65
Orissa	0.22	13.37	13.59	0.28	8.86	9.14	0.28	5.73	6.01	0.27	2.63	2.9	0.24	1.26	1.5	1.2
Punjab	0.82	20.84	21.67	0.81	15.57	16.39	0.93	10.83	11.76	0.89	4.29	5.18	0.82	2.58	3.4	1.55
Rajasthan	0.51	31.28	31.79	0.50	20.57	21.07	0.55	12.18	12.72	0.52	5.2	5.72	0.49	3.56	4.05	2.28
Tamil Nadu	2.08	38.87	40.95	2.07	31.35	33.41	2.10	20.67	22.77	1.96	12.92	14.88	1.86	7.96	9.82	6.51
UP (East)	0.45	37.21	37.65	0.42	25.79	26.21	0.42	14.66	15.08	0.4	5.4	5.8	0.39	2.86	3.25	1.77
UP (West)	0.38	27.33	27.72	0.40	19.17	19.57	0.40	11.01	11.41	0.39	4.95	5.34	0.36	3.1	3.46	1.89
West Bengal	0.25	22.77	23.02	0.25	15.47	15.72	0.26	10.64	10.9	0.27	5.45	5.72	0.24	2.47	2.71	1.53
Total	18.42	544.89	563.31	17.95	394.65	412.59	18.24	258.27	276.52	16.98	132.77	149.75	15.51	83.68	99.19	60.87

Source: TRAI

Table 12C : Service area wise Wireless internet subscriptions (Millions)

Service area	2019			2018			2017			2016			2015			2014
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Total
Andhra Pradesh	19.78	27.04	46.81	12.67	22.60	35.26	11.93	17.56	29.49	8.95	13.77	22.72	7.93	12.13	20.06	15.79
Assam	5.67	5.76	11.44	5.03	4.68	9.71	4.24	3.72	7.96	3.21	3.44	6.65	3.24	2.13	5.37	4.00
Bihar	22.60	16.46	39.06	13.49	14.64	28.13	11.89	11.92	23.81	8.85	10.49	19.34	7.92	8.38	16.30	11.57
Delhi	0.69	33.32	34.02	0.72	28.67	29.38	0.69	24.41	25.10	0.94	18.21	19.15	1.02	16.26	17.28	14.60
Gujarat	11.23	27.39	38.62	8.06	21.87	29.93	8.05	17.75	25.80	5.87	13.88	19.75	6.35	11.97	18.32	17.99
Haryana	5.50	8.95	14.45	3.75	4.83	8.58	3.59	5.58	9.17	2.92	4.19	7.11	3.10	3.60	6.70	4.97
Himachal Pradesh	3.19	1.87	5.05	2.02	4.80	6.82	2.08	1.56	3.64	1.74	1.18	2.92	1.62	0.86	2.48	1.94
Jammu & Kashmir	2.56	3.93	6.49	1.90	3.79	5.69	1.86	2.54	4.39	1.83	1.70	3.53	1.79	1.47	3.26	2.67
Karnataka	11.83	26.54	38.36	6.59	23.57	30.16	6.26	18.64	24.90	5.43	15.35	20.78	5.20	13.16	18.36	13.84
Kerala	9.47	13.49	22.96	6.92	11.16	18.08	6.13	8.69	14.83	5.01	7.92	12.93	5.39	5.98	11.37	9.31
Kolkata	1.53	13.18	14.70	1.00	11.40	12.40	0.76	9.93	10.69	0.55	7.83	8.38	0.44	6.74	7.18	5.55
Madhya Pradesh	15.65	24.71	40.37	6.90	17.98	24.89	7.65	16.07	23.73	6.21	13.21	19.42	5.66	9.96	15.62	14.67
Maharashtra	20.04	31.57	51.61	12.60	25.07	37.67	11.60	22.53	34.12	9.61	18.14	27.75	9.05	14.91	23.96	24.02
Mumbai	1.21	24.38	25.59	0.72	20.54	21.27	0.50	17.74	18.24	0.28	13.98	14.26	0.25	12.97	13.22	13.40
North East	2.76	3.80	6.56	2.36	3.45	5.80	2.20	2.41	4.61	1.95	1.98	3.93	1.89	1.53	3.42	2.88
Orissa	9.61	5.94	15.55	5.63	6.25	11.89	4.89	5.30	10.19	3.33	4.64	7.97	3.49	3.51	7.00	4.81
Punjab	6.99	15.55	22.54	4.44	13.15	17.59	4.53	10.97	15.50	4.56	7.77	12.33	4.68	7.18	11.86	9.10
Rajasthan	15.53	19.71	35.24	9.43	16.30	25.74	8.66	12.10	20.77	6.96	9.53	16.49	7.26	7.77	15.03	11.78
Tamil Nadu	11.19	31.88	43.08	9.14	28.05	37.18	7.89	22.01	29.90	6.67	19.06	25.73	6.32	15.62	21.94	18.25
UP (East)	22.77	21.69	44.46	14.42	19.84	34.26	13.37	14.73	28.09	11.18	10.82	22.00	10.61	9.30	19.91	13.68
UP (West)	11.89	19.65	31.54	7.02	16.24	23.25	7.08	12.32	19.39	6.46	9.55	16.01	5.65	7.93	13.58	9.69
West Bengal	13.43	13.12	26.55	9.07	9.97	19.04	8.73	7.56	16.29	7.59	5.49	13.08	6.86	4.15	11.01	8.60
Total	225.12	389.93	615.05	143.89	328.83	472.71	134.57	266.04	400.62	110.08	212.13	322.21	105.75	177.53	283.28	233.09

Source: TRAI

II – Telecom Usage Parameters

*(The geographical areas covered under telecom ‘service areas’ are
given at Annexure-I)*

Table 1 - Telecom Usage Parameters (2007-2019)

Year	Traffic (MOU) (minutes of use /subscriber /month)		ARPU (₹/ subscriber/ month)		Data Usage per subscriber per month (MBs)			Minutes of Usages for Internet Telephony (Million)
	GSM	CDMA	GSM	CDMA	GSM	CDMA	Total	
2007	471	471	₹ 298.00	₹ 202.00	NA	NA	NA	NA
2008	493	364	₹ 264.00	₹ 159.00	NA	NA	NA	NA
2009	484	357	₹ 205.00	₹ 99.00	NA	NA	NA	131.63
2010	410	307	₹ 131.00	₹ 76.00	NA	NA	NA	122.96
2011	349	263	₹ 100.00	₹ 66.00	NA	NA	NA	153.92
2012	346	229	₹ 97.37	₹ 75.29	NA	NA	NA	236.40
2013	383	275	₹ 105.00	₹ 95.25	NA	NA	NA	249.75
2014	389	272	₹ 113.44	₹ 104.98	53.94	176.24	61.66	251.00
2015	383	265	₹ 120.68	₹ 108.21	89.06	278.22	99.46	245.00
2016	381	260	₹ 124.85	₹ 103.54	133.87	433.64	147.12	277.00
2017	405	250	₹ 82.68	₹ 131.34	1006.00	473.00	1000.00	258.00
2018	584	60	₹ 76.04	₹ 79.32	2447.00	173.00	2437.00	258.00
2019	692		₹ 71.39		9.6 GB			197.00

Note : NA - Not Available; Wireless = GSM+CDMA

Source- Various Performance Indicator Reports of TRAI

Table 2 - Category-wise Minute of usage (MOUs) per subscribers per month

Segment	MOUs	Year	Circle A	Circle B	Circle C	Metros	All India
Postpaid	Outgoing MOUs	2017	440	455	462	418	438
		2018	383	400	549	366	394
	Incoming MOUs	2017	388	373	289	336	362
		2018	346	379	404	323	350
	Total MOUs	2017	828	827	750	754	800
		2018	729	779	954	689	744
Prepaid	Outgoing MOUs	2017	196	199	222	257	207
		2018	281	298	348	398	308
	Incoming MOUs	2017	181	229	278	182	216
		2018	260	318	404	286	308
	Total MOUs	2017	377	428	501	439	422
		2018	540	616	752	684	617
Blended	Outgoing MOUs	2017	210	205	228	279	218
		2018	286	300	353	394	312
	Incoming MOUs	2017	192	233	279	202	222
		2018	264	320	404	291	310
	Total MOUs	2017	402	437	507	481	440
		2018	550	619	757	685	622

Note: Categories assigned to circles' have been defined in Annexure-II

Source: TRAI, Yearly Performance Indicators of Indian Telecom Sector - 2018.

III – Service Area Wise Performance

*(The geographical areas covered under telecom ‘service areas’ are
given at Annexure-I)*

Service Area wise Subscribers : Overall

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	300.49	39.41	261.08	76.50	223.99	79.55	220.94
2009	429.73	37.96	391.76	123.51	306.21	89.55	340.18
2010	621.28	36.96	584.32	200.77	420.51	105.87	515.41
2011	846.33	34.73	811.60	282.29	564.04	126.00	720.33
2012	951.35	32.17	919.17	330.83	620.52	130.27	821.08
2013	898.02	30.21	867.81	349.21	548.80	130.11	767.91
2014	933.02	28.50	904.52	377.78	555.23	120.05	812.96
2015	996.13	26.59	969.54	416.08	580.05	100.34	895.79
2016	1059.33	25.22	1034.11	447.77	611.56	108.65	950.68
2017	1194.99	24.40	1170.59	501.81	693.18	122.18	1072.81
2018	1211.80	22.81	1188.99	525.87	685.93	131.66	1080.14
2019	1183.41	21.70	1161.71	514.27	669.14	133.51	1049.90
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	26.22	3.44	22.78	9.46	66.39	6.94	19.28
2009	36.98	3.27	33.71	15.11	88.84	7.71	29.27
2010	52.74	3.14	49.60	24.31	119.45	8.99	43.75
2011	70.89	2.91	67.98	33.83	156.93	10.55	60.34
2012	78.66	2.66	76.00	39.26	169.17	10.77	67.89
2013	73.32	2.47	70.85	41.05	146.64	10.62	62.69
2014	75.23	2.30	72.94	44.01	145.46	9.68	65.55
2015	79.36	2.12	77.24	48.04	149.04	7.99	71.36
2016	83.40	1.99	81.41	51.26	154.18	8.55	74.85
2017	93.01	1.90	91.11	56.98	171.52	9.51	83.50
2018	93.27	1.76	91.51	59.25	166.64	10.13	83.14
2019	90.10	1.65	88.45	57.50	159.66	10.16	79.94

Source - DOT compiled Data

1. Andhra Pradesh

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	23.29	2.71	20.58	6.23	17.06	4.93	18.36
2009	32.95	2.55	30.40	9.17	23.78	5.66	27.29
2010	48.09	2.46	45.62	14.78	33.30	6.62	41.46
2011	63.05	2.37	60.68	20.66	42.39	9.31	53.74
2012	69.19	2.36	66.83	24.23	44.95	10.99	58.20
2013	66.60	2.24	64.36	26.06	40.55	11.23	55.37
2014	69.19	2.04	67.15	28.58	40.61	11.58	57.62
2015	73.82	1.87	71.95	31.02	42.80	11.10	62.72
2016	76.39	1.74	74.65	32.73	43.66	10.99	65.39
2017	86.58	1.64	84.94	38.73	47.85	11.14	75.44
2018	87.24	1.48	85.76	39.65	47.59	11.18	76.06
2019	88.17	1.44	86.73	42.24	45.93	11.13	77.04
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	7.75	6.88	7.88	8.15	7.61	6.20	8.31
2009	7.67	6.71	7.76	7.42	7.77	6.32	8.02
2010	7.74	6.66	7.81	7.36	7.92	6.26	8.04
2011	7.45	6.82	7.48	7.32	7.52	7.39	7.46
2012	7.27	7.34	7.27	7.33	7.24	8.44	7.09
2013	7.42	7.41	7.42	7.46	7.39	8.63	7.21
2014	7.42	7.17	7.42	7.57	7.31	9.64	7.09
2015	7.41	7.03	7.42	7.45	7.38	11.06	7.00
2016	7.21	6.88	7.22	7.31	7.14	10.12	6.88
2017	7.25	6.71	7.26	7.72	6.90	9.12	7.03
2018	7.20	6.49	7.21	7.54	6.94	8.50	7.04
2019	7.45	6.64	7.47	8.21	6.86	8.34	7.34
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	28.25	3.29	24.96	10.44	74.97	5.98	22.27
2009	111.83	8.65	103.18	36.32	103.38	19.20	92.63
2010	57.23	2.93	54.30	24.33	143.19	7.88	49.34
2011	74.35	2.79	71.55	33.70	180.32	10.98	63.37
2012	80.87	2.76	78.11	39.21	189.25	12.85	68.03
2013	77.19	2.60	74.59	41.83	169.00	13.01	64.17
2014	79.52	2.35	77.17	45.53	167.61	13.31	66.22
2015	84.15	2.13	82.02	49.04	174.94	12.65	71.50
2016	86.40	1.96	84.43	51.36	176.81	12.43	73.96
2017	97.18	1.84	95.34	60.35	192.02	12.50	84.68
2018	97.21	1.65	95.56	61.37	189.30	12.46	84.75
2019	97.55	1.59	95.96	64.96	181.15	12.32	85.24

Source - DOT compiled Data

2. Assam

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.34	0.43	3.91	1.12	3.22	1.35	2.99
2009	6.16	0.35	5.81	2.39	3.77	1.32	4.84
2010	9.06	0.31	8.76	4.76	4.31	1.45	7.61
2011	11.93	0.26	11.67	6.23	5.70	1.74	10.19
2012	14.44	0.23	14.21	7.45	6.99	1.49	12.95
2013	14.58	0.19	14.39	8.25	6.33	1.43	13.15
2014	15.46	0.18	15.28	9.20	6.27	1.46	14.00
2015	17.32	0.17	17.15	10.58	6.74	1.43	15.89
2016	18.72	0.16	18.56	11.83	6.90	1.50	17.22
2017	21.99	0.16	21.84	13.81	8.19	1.69	20.30
2018	25.52	0.14	25.38	15.87	9.65	2.75	22.76
2019	23.08	0.11	22.97	11.82	11.26	2.67	20.41
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	1.45	1.09	1.50	1.47	1.44	1.70	1.36
2009	1.43	0.92	1.48	1.93	1.23	1.48	1.42
2010	1.46	0.83	1.50	2.37	1.02	1.37	1.48
2011	1.41	0.74	1.44	2.21	1.01	1.38	1.41
2012	1.52	0.71	1.55	2.25	1.13	1.15	1.58
2013	1.62	0.64	1.66	2.36	1.15	1.10	1.71
2014	1.66	0.65	1.69	2.43	1.13	1.22	1.72
2015	1.74	0.63	1.77	2.54	1.16	1.42	1.77
2016	1.77	0.64	1.79	2.64	1.13	1.38	1.81
2017	1.84	0.64	1.87	2.75	1.18	1.38	1.89
2018	2.11	0.60	2.13	3.02	1.41	2.09	2.11
2019	1.95	0.53	1.98	2.30	1.68	2.00	1.94
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	14.74	1.46	13.28	4.44	76.30	4.58	10.16
2009	20.65	1.18	19.47	9.36	87.00	4.44	16.21
2010	29.99	1.02	28.97	18.47	96.55	4.80	25.20
2011	38.98	0.84	38.14	23.93	124.46	5.69	33.30
2012	46.61	0.74	45.87	28.35	148.57	4.82	41.79
2013	46.51	0.62	45.89	31.13	130.91	4.56	41.95
2014	48.74	0.58	48.16	34.36	126.27	4.61	44.13
2015	53.95	0.52	53.43	39.18	132.26	4.45	49.50
2016	57.64	0.49	57.15	43.40	131.88	4.63	53.01
2017	66.97	0.47	66.50	50.25	152.63	5.14	61.83
2018	76.87	0.41	76.46	57.29	175.45	8.30	68.57
2019	68.81	0.34	68.47	42.36	199.72	7.97	60.84

Source - DOT compiled Data

3. Bihar

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	12.93	1.42	11.51	3.07	9.87	3.32	9.61
2009	22.36	1.38	20.98	8.15	14.22	4.41	17.95
2010	38.36	1.38	36.97	16.15	22.21	6.11	32.24
2011	54.74	1.20	53.54	24.41	30.32	7.16	47.57
2012	64.09	0.61	63.48	28.95	35.15	6.73	57.36
2013	60.70	0.39	60.30	31.55	29.15	6.29	54.41
2014	61.97	0.38	61.59	34.10	27.86	3.61	58.36
2015	69.67	0.36	69.31	38.91	30.77	3.16	66.51
2016	74.84	0.33	74.51	43.30	31.54	3.66	71.19
2017	84.93	0.31	84.61	48.91	36.02	4.35	80.58
2018	88.93	0.28	88.65	53.29	35.64	4.69	84.24
2019	85.31	0.23	85.08	55.81	29.50	4.78	80.53
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.30	3.62	4.41	4.01	4.41	4.18	4.35
2009	5.20	3.65	5.35	6.59	4.64	4.92	5.28
2010	6.17	3.74	6.33	8.04	5.28	5.78	6.26
2011	6.47	3.44	6.60	8.65	5.38	5.69	6.60
2012	6.74	1.90	6.91	8.75	5.66	5.17	6.99
2013	6.76	1.30	6.95	9.03	5.31	4.83	7.09
2014	6.64	1.34	6.81	9.03	5.02	3.01	7.18
2015	6.99	1.35	7.15	9.35	5.30	3.15	7.42
2016	7.07	1.32	7.21	9.67	5.16	3.36	7.49
2017	7.11	1.29	7.23	9.75	5.20	3.56	7.51
2018	7.34	1.22	7.46	10.13	5.20	3.56	7.80
2019	7.21	1.05	7.32	10.85	4.41	3.58	7.67
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	10.43	1.15	9.28	2.86	58.77	2.68	7.75
2009	17.78	1.10	16.68	7.49	83.27	3.51	14.27
2010	30.07	1.08	28.98	14.65	127.96	4.79	25.27
2011	42.32	0.92	41.40	21.86	171.97	5.54	36.78
2012	48.90	0.47	48.43	25.58	196.24	5.13	43.77
2013	45.72	0.30	45.42	27.53	160.29	4.73	40.98
2014	46.10	0.28	45.81	29.41	150.96	2.69	43.41
2015	51.20	0.26	50.94	33.16	164.26	2.33	48.88
2016	54.36	0.24	54.11	36.48	166.00	2.66	51.70
2017	60.99	0.23	60.76	40.76	186.98	3.12	57.86
2018	63.16	0.20	62.96	43.94	182.52	3.33	59.83
2019	59.95	0.16	59.79	45.55	149.09	3.36	56.59

Source - DOT compiled Data

4. Gujarat

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	19.24	2.28	16.97	5.68	13.57	4.38	14.87
2009	26.22	2.11	24.11	8.82	17.40	4.57	21.65
2010	34.43	2.08	32.35	11.84	22.59	5.13	29.30
2011	48.90	1.95	46.96	16.63	32.28	5.69	43.21
2012	55.15	1.83	53.32	19.35	35.80	5.83	49.32
2013	53.49	1.79	51.69	19.23	34.26	5.86	47.62
2014	56.23	1.69	54.54	20.95	35.28	5.60	50.63
2015	60.12	1.55	58.56	22.72	37.40	4.45	55.66
2016	63.68	1.41	62.27	24.77	38.91	4.78	58.90
2017	73.20	1.36	71.84	28.10	45.10	5.96	67.23
2018	73.20	1.27	71.93	28.41	44.79	6.87	66.33
2019	70.53	1.24	69.30	26.73	43.80	6.97	63.57
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.40	5.78	6.50	7.42	6.06	5.51	6.73
2009	6.10	5.57	6.15	7.14	5.68	5.11	6.36
2010	5.54	5.63	5.54	5.90	5.37	4.84	5.69
2011	5.78	5.61	5.79	5.89	5.72	4.52	6.00
2012	5.80	5.69	5.80	5.85	5.77	4.48	6.01
2013	5.96	5.93	5.96	5.51	6.24	4.51	6.20
2014	6.03	5.93	6.03	5.54	6.35	4.66	6.23
2015	6.03	5.84	6.04	5.46	6.45	4.44	6.21
2016	6.01	5.59	6.02	5.53	6.36	4.40	6.20
2017	6.13	5.56	6.14	5.60	6.51	4.88	6.27
2018	6.04	5.56	6.05	5.40	6.53	5.21	6.14
2019	5.96	5.69	5.97	5.20	6.55	5.22	6.05
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	33.63	3.98	29.65	16.37	60.14	7.65	25.97
2009	45.16	3.64	41.52	25.21	75.43	7.88	37.28
2010	58.46	3.53	54.93	33.52	95.82	8.71	49.75
2011	81.90	3.26	78.64	46.68	133.99	9.53	72.37
2012	91.13	3.03	88.11	53.89	145.50	9.64	81.50
2013	87.23	2.92	84.31	53.12	136.39	9.56	77.67
2014	90.54	2.72	87.82	57.44	137.63	9.01	81.53
2015	95.61	2.47	93.14	61.85	143.01	7.08	88.53
2016	100.06	2.21	97.85	66.99	145.90	7.51	92.55
2017	113.71	2.11	111.60	75.55	165.93	9.26	104.45
2018	112.45	1.95	110.50	75.95	161.76	10.55	101.90
2019	107.21	1.88	105.34	71.11	155.35	10.59	96.62

Source - DOT compiled Data

5. Haryana

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	7.36	0.95	6.40	2.82	4.54	2.26	5.10
2009	10.78	0.88	9.90	4.66	6.12	2.58	8.20
2010	14.96	0.82	14.13	6.59	8.37	3.36	11.60
2011	21.04	0.65	20.39	8.67	12.37	3.67	17.37
2012	23.15	0.59	22.56	9.53	13.62	3.54	19.61
2013	20.10	0.56	19.54	9.76	10.35	3.61	16.49
2014	21.75	0.50	21.25	10.35	11.40	3.78	17.97
2015	22.41	0.41	22.01	10.40	12.01	3.09	19.33
2016	23.63	0.37	23.26	10.57	13.06	3.51	20.12
2017	25.39	0.35	25.05	11.45	13.94	4.00	21.39
2018	23.89	0.30	23.58	11.72	12.17	4.72	19.17
2019	27.99	0.27	27.72	12.65	15.35	5.14	22.85
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.45	2.42	2.45	3.68	2.03	2.84	2.31
2009	2.51	2.31	2.53	3.77	2.00	2.88	2.41
2010	2.41	2.23	2.42	3.28	1.99	3.17	2.25
2011	2.49	1.87	2.51	3.07	2.19	2.91	2.41
2012	2.43	1.84	2.45	2.88	2.19	2.72	2.39
2013	2.24	1.86	2.25	2.79	1.89	2.78	2.15
2014	2.33	1.75	2.35	2.74	2.05	3.15	2.21
2015	2.25	1.53	2.27	2.50	2.07	3.08	2.16
2016	2.23	1.46	2.25	2.36	2.14	3.23	2.12
2017	2.12	1.42	2.14	2.28	2.01	3.27	1.99
2018	1.97	1.33	1.98	2.23	1.77	3.58	1.77
2019	2.37	1.25	2.39	2.46	2.29	3.85	2.18
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	30.39	3.94	26.45	17.18	58.18	9.34	21.05
2009	43.75	3.55	40.20	28.10	75.98	10.48	33.28
2010	59.70	3.28	56.42	39.37	100.63	13.41	46.28
2011	82.59	2.55	80.04	51.33	144.16	14.39	68.20
2012	89.42	2.29	87.14	55.92	153.98	13.68	75.74
2013	76.44	2.13	74.31	56.78	113.50	13.74	62.70
2014	81.44	1.87	79.57	59.77	121.40	14.17	67.27
2015	82.67	1.50	81.17	59.62	124.23	11.38	71.28
2016	85.88	1.34	84.54	60.18	131.24	12.76	73.13
2017	91.01	1.24	89.77	64.81	136.25	14.33	76.68
2018	84.44	1.07	83.37	65.96	115.67	16.67	67.77
2019	97.66	0.94	96.72	70.82	142.00	17.93	79.73

Source - DOT compiled Data

6. Himachal Pradesh

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.72	0.42	2.30	1.82	0.90	1.05	1.67
2009	3.70	0.38	3.32	2.41	1.29	1.27	2.43
2010	5.34	0.36	4.99	3.15	2.19	1.63	3.71
2011	7.55	0.34	7.22	4.25	3.31	2.00	5.55
2012	8.28	0.31	7.97	4.68	3.60	1.98	6.30
2013	7.30	0.28	7.02	4.57	2.72	1.91	5.39
2014	7.37	0.25	7.12	4.77	2.61	1.68	5.69
2015	8.06	0.21	7.86	5.28	2.78	1.63	6.44
2016	9.06	0.17	8.89	5.95	3.11	1.88	7.18
2017	10.58	0.15	10.43	7.10	3.48	2.31	8.27
2018	12.58	0.13	12.45	6.90	5.68	2.69	9.89
2019	10.63	0.11	10.52	7.29	3.34	2.93	7.70
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	0.90	1.06	0.88	2.37	0.40	1.32	0.75
2009	0.86	1.00	0.85	1.95	0.42	1.42	0.72
2010	0.86	0.97	0.85	1.57	0.52	1.54	0.72
2011	0.89	0.97	0.89	1.50	0.59	1.59	0.77
2012	0.87	0.96	0.87	1.41	0.58	1.52	0.77
2013	0.81	0.93	0.81	1.31	0.50	1.47	0.70
2014	0.79	0.89	0.79	1.26	0.47	1.40	0.70
2015	0.81	0.78	0.81	1.27	0.48	1.62	0.72
2016	0.86	0.68	0.86	1.33	0.51	1.73	0.76
2017	0.89	0.61	0.89	1.42	0.50	1.89	0.77
2018	1.04	0.55	1.05	1.31	0.83	2.04	0.92
2019	0.90	0.53	0.91	1.42	0.50	2.19	0.73
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	41.16	6.33	34.83	30.81	127.78	15.91	25.25
2009	55.50	5.70	49.80	40.47	179.64	19.01	36.49
2010	79.36	5.31	74.04	52.53	298.28	24.20	55.16
2011	111.11	4.96	106.15	70.23	440.32	29.45	81.66
2012	120.68	4.49	116.18	76.76	469.57	28.85	91.83
2013	105.39	4.05	101.33	74.50	347.60	27.56	77.83
2014	105.59	3.63	101.96	77.07	326.01	24.06	81.53
2015	114.52	2.96	111.56	84.87	340.71	23.12	91.39
2016	127.61	2.41	125.19	95.00	372.94	26.49	101.11
2017	147.86	2.09	145.77	112.65	409.03	32.29	115.57
2018	174.46	1.75	172.71	108.79	656.19	37.32	137.15
2019	146.37	1.58	144.79	114.29	378.46	40.35	106.02

Source - DOT compiled Data

7. Jammu & Kashmir

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.46	0.26	2.20	0.65	1.81	1.18	1.28
2009	3.74	0.24	3.50	1.41	2.34	1.17	2.57
2010	5.78	0.23	5.55	2.29	3.49	1.21	4.57
2011	5.97	0.22	5.75	2.58	3.40	1.05	4.92
2012	6.51	0.20	6.31	2.67	3.84	1.25	5.26
2013	7.04	0.20	6.84	3.21	3.83	1.36	5.69
2014	8.13	0.19	7.94	3.76	4.37	1.46	6.67
2015	9.46	0.15	9.31	4.97	4.49	1.37	8.09
2016	9.95	0.13	9.82	5.19	4.76	1.43	8.51
2017	12.04	0.13	11.91	5.89	6.15	1.61	10.43
2018	13.84	0.12	13.72	7.09	6.75	1.71	12.13
2019	11.44	0.10	11.33	5.14	6.30	1.34	10.09
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	0.82	0.66	0.84	0.85	0.81	1.49	0.58
2009	0.87	0.63	0.89	1.14	0.76	1.31	0.76
2010	0.93	0.63	0.95	1.14	0.83	1.14	0.89
2011	0.71	0.62	0.71	0.91	0.60	0.83	0.68
2012	0.68	0.64	0.69	0.81	0.62	0.96	0.64
2013	0.78	0.65	0.79	0.92	0.70	1.04	0.74
2014	0.87	0.65	0.88	1.00	0.79	1.21	0.82
2015	0.95	0.56	0.96	1.19	0.77	1.36	0.90
2016	0.94	0.52	0.95	1.16	0.78	1.32	0.90
2017	1.01	0.55	1.02	1.17	0.89	1.32	0.97
2018	1.14	0.51	1.15	1.35	0.98	1.30	1.12
2019	0.97	0.47	0.98	1.00	0.94	1.01	0.96
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	21.84	2.30	19.54	7.87	61.16	10.48	11.36
2009	32.76	2.10	30.66	16.72	77.42	10.24	22.52
2010	49.90	2.00	47.90	26.93	113.17	10.42	39.49
2011	50.90	1.84	49.06	30.01	107.85	8.95	41.95
2012	54.82	1.72	53.10	30.84	119.52	10.53	44.29
2013	58.57	1.64	56.93	36.72	116.92	11.28	47.29
2014	66.80	1.53	65.27	42.61	130.70	11.99	54.82
2015	76.93	1.21	75.72	55.85	132.04	11.12	65.81
2016	80.02	1.06	78.96	57.90	137.20	11.52	68.50
2017	95.91	1.07	94.84	65.23	174.43	12.83	83.07
2018	109.19	0.91	108.28	78.03	188.09	13.50	95.69
2019	89.43	0.80	88.63	56.19	172.73	10.51	78.92

Source - DOT compiled Data

8. Karnataka

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	19.89	2.84	17.04	4.23	15.65	4.40	15.49
2009	26.33	2.78	23.54	5.30	21.02	4.92	21.41
2010	39.91	2.78	37.13	8.94	30.97	6.04	33.87
2011	52.19	2.74	49.45	13.11	39.09	7.75	44.45
2012	58.41	2.69	55.71	16.54	41.87	8.88	49.53
2013	55.36	2.44	52.91	16.21	39.15	8.82	46.54
2014	56.64	2.32	54.32	17.51	39.13	8.89	47.75
2015	60.32	2.28	58.05	18.64	41.68	8.10	52.22
2016	63.60	2.26	61.34	20.21	43.39	8.25	55.35
2017	71.39	2.24	69.14	22.51	48.88	8.26	63.13
2018	69.22	2.22	67.00	23.63	45.59	8.33	60.89
2019	70.40	2.15	68.24	23.94	46.46	8.22	62.18
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.62	7.22	6.53	5.53	6.99	5.53	7.01
2009	6.13	7.33	6.01	4.29	6.87	5.49	6.29
2010	6.42	7.51	6.35	4.45	7.36	5.71	6.57
2011	6.17	7.90	6.09	4.64	6.93	6.15	6.17
2012	6.14	8.36	6.06	5.00	6.75	6.81	6.03
2013	6.16	8.09	6.10	4.64	7.13	6.78	6.06
2014	6.07	8.13	6.01	4.63	7.05	7.40	5.87
2015	6.06	8.57	5.99	4.48	7.19	8.08	5.83
2016	6.00	8.94	5.93	4.51	7.09	7.59	5.82
2017	5.97	9.20	5.91	4.49	7.05	6.76	5.88
2018	5.71	9.72	5.64	4.49	6.65	6.33	5.64
2019	5.95	9.93	5.87	4.66	6.94	6.16	5.92
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	34.53	4.94	29.59	11.53	74.98	7.64	26.89
2009	45.21	4.78	40.43	14.36	98.73	8.44	36.77
2010	67.81	4.72	63.09	24.08	142.62	10.27	57.54
2011	87.76	4.61	83.15	35.10	176.59	13.02	74.74
2012	97.22	4.48	92.74	44.08	185.62	14.78	82.44
2013	91.24	4.03	87.21	43.00	170.38	14.53	76.71
2014	92.45	3.78	88.67	46.24	167.19	14.50	77.95
2015	97.54	3.68	93.86	49.05	174.89	13.10	84.44
2016	101.89	3.61	98.27	52.95	178.85	13.21	88.67
2017	113.39	3.57	109.83	58.81	198.06	13.12	100.27
2018	109.05	3.49	105.55	61.57	181.67	13.12	95.93
2019	110.04	3.37	106.67	62.23	182.15	12.85	97.19

Source - DOT compiled Data

9. Kerala

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.37	3.67	11.70	6.60	8.77	6.26	9.12
2009	19.98	3.58	16.40	9.00	10.98	6.55	13.42
2010	27.65	3.46	24.19	11.43	16.22	7.51	20.15
2011	34.66	3.30	31.36	13.74	20.92	9.15	25.51
2012	37.21	3.19	34.02	16.10	21.10	10.18	27.03
2013	33.76	3.06	30.69	16.22	17.54	10.67	23.09
2014	34.01	2.89	31.12	16.97	17.04	10.72	23.28
2015	33.94	2.59	31.35	17.81	16.13	9.00	24.94
2016	36.61	2.30	34.31	16.64	19.96	9.78	26.83
2017	41.28	2.11	39.16	18.69	22.59	11.11	30.17
2018	43.98	1.97	42.00	20.30	23.67	12.39	31.58
2019	45.84	1.88	43.96	20.89	24.95	12.67	33.17
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.12	9.32	4.48	8.62	3.92	7.86	4.13
2009	4.65	9.42	4.19	7.29	3.58	7.32	3.95
2010	4.45	9.36	4.14	5.69	3.86	7.09	3.91
2011	4.10	9.50	3.86	4.87	3.71	7.26	3.54
2012	3.91	9.91	3.70	4.87	3.40	7.81	3.29
2013	3.76	10.14	3.54	4.64	3.20	8.20	3.01
2014	3.64	10.13	3.44	4.49	3.07	8.93	2.86
2015	3.41	9.73	3.23	4.28	2.78	8.97	2.78
2016	3.46	9.11	3.32	3.72	3.26	9.00	2.82
2017	3.45	8.65	3.35	3.72	3.26	9.09	2.81
2018	3.63	8.64	3.53	3.86	3.45	9.41	2.92
2019	3.87	8.68	3.78	4.06	3.73	9.49	3.16
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	45.34	10.83	34.51	26.18	100.79	18.45	26.89
2009	58.48	10.47	48.01	35.43	125.35	19.19	39.29
2010	80.36	10.06	70.31	44.65	184.18	21.82	58.55
2011	100.01	9.52	90.48	53.25	236.25	26.39	73.62
2012	106.61	9.14	97.47	61.94	237.10	29.16	77.45
2013	96.09	8.72	87.37	61.93	196.10	30.36	65.73
2014	96.19	8.16	88.02	64.34	189.66	30.33	65.85
2015	95.41	7.27	88.14	67.09	178.73	25.29	70.12
2016	102.33	6.42	95.91	62.30	220.35	27.35	74.99
2017	114.75	5.87	108.88	69.53	248.35	30.88	83.87
2018	121.61	5.45	116.16	75.10	259.40	34.27	87.35
2019	126.15	5.18	120.96	76.85	272.53	34.88	91.27

Source - DOT compiled Data

10. Madhya Pradesh

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	14.98	1.79	13.19	2.89	12.09	3.82	11.16
2009	22.27	1.68	20.60	5.95	16.32	4.47	17.80
2010	33.55	1.57	31.98	10.79	22.76	5.42	28.13
2011	47.21	1.38	45.83	16.26	30.95	6.06	41.15
2012	52.76	1.14	51.62	18.61	34.15	5.67	47.09
2013	53.28	1.12	52.16	22.49	30.80	6.08	47.20
2014	56.58	1.10	55.48	24.79	31.79	5.78	50.80
2015	61.71	1.11	60.60	27.43	34.28	4.05	57.66
2016	66.72	1.04	65.67	30.44	36.28	5.15	61.56
2017	70.60	1.02	69.58	33.17	37.43	5.92	64.69
2018	71.47	0.95	70.52	33.78	37.69	6.72	64.75
2019	75.72	0.92	74.80	34.33	41.39	6.83	68.89
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.99	4.55	5.05	3.78	5.40	4.81	5.05
2009	5.18	4.41	5.26	4.82	5.33	5.00	5.23
2010	5.40	4.25	5.47	5.38	5.41	5.12	5.46
2011	5.58	3.98	5.65	5.76	5.49	4.81	5.71
2012	5.55	3.54	5.62	5.63	5.50	4.35	5.74
2013	5.93	3.71	6.01	6.44	5.61	4.67	6.15
2014	6.06	3.87	6.13	6.56	5.73	4.82	6.25
2015	6.19	4.16	6.25	6.59	5.91	4.04	6.44
2016	6.30	4.13	6.35	6.80	5.93	4.74	6.48
2017	5.91	4.20	5.94	6.61	5.40	4.84	6.03
2018	5.90	4.16	5.93	6.42	5.50	5.10	5.99
2019	6.40	4.24	6.44	6.68	6.19	5.12	6.56
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	16.26	1.95	14.32	4.25	50.44	4.15	12.12
2009	23.79	1.79	22.00	8.61	66.56	4.78	19.01
2010	35.28	1.65	33.63	15.41	90.76	5.70	29.58
2011	48.88	1.43	47.45	22.92	120.74	6.27	42.61
2012	53.81	1.16	52.65	25.90	130.38	5.78	48.03
2013	53.55	1.13	52.42	30.91	115.09	6.11	47.44
2014	56.04	1.09	54.95	33.67	116.34	5.73	50.32
2015	60.25	1.08	59.17	36.81	122.85	3.96	56.29
2016	64.23	1.00	63.23	40.37	127.38	4.96	59.27
2017	67.07	0.97	66.10	43.52	128.86	5.62	61.45
2018	67.02	0.89	66.13	43.85	127.26	6.30	60.72
2019	70.11	0.85	69.26	44.12	137.10	6.33	63.79

Source - DOT compiled Data

11. Maharashtra

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	24.72	3.64	21.08	7.56	17.17	7.06	17.66
2009	34.62	3.27	31.35	13.12	21.49	7.09	27.53
2010	46.53	3.01	43.52	19.66	26.87	7.69	38.83
2011	64.57	2.85	61.72	28.25	36.32	9.08	55.49
2012	73.12	2.65	70.47	32.10	41.01	8.47	64.65
2013	70.87	2.47	68.40	32.54	38.32	8.92	61.95
2014	74.90	2.31	72.59	34.84	40.07	8.47	66.44
2015	79.06	2.12	76.94	37.78	41.28	6.79	72.27
2016	86.09	1.99	84.10	40.38	45.71	7.39	78.70
2017	95.78	1.88	93.90	43.14	52.64	7.92	87.86
2018	96.33	1.73	94.61	45.56	50.77	8.37	87.96
2019	94.55	1.52	93.03	43.56	50.99	8.29	86.26
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	8.23	9.24	8.07	9.88	7.66	8.88	7.99
2009	8.06	8.61	8.00	10.62	7.02	7.91	8.09
2010	7.49	8.14	7.45	9.79	6.39	7.26	7.53
2011	7.63	8.22	7.60	10.01	6.44	7.21	7.70
2012	7.69	8.22	7.67	9.70	6.61	6.50	7.87
2013	7.89	8.16	7.88	9.32	6.98	6.86	8.07
2014	8.03	8.10	8.03	9.22	7.22	7.05	8.17
2015	7.94	7.96	7.94	9.08	7.12	6.77	8.07
2016	8.13	7.88	8.13	9.02	7.47	6.80	8.28
2017	8.02	7.70	8.02	8.60	7.59	6.49	8.19
2018	7.95	7.58	7.96	8.66	7.40	6.36	8.14
2019	7.99	7.02	8.01	8.47	7.62	6.21	8.22
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	27.42	4.04	23.38	12.59	56.97	7.83	19.59
2009	37.90	3.58	34.32	21.70	69.67	7.76	30.14
2010	50.30	3.25	47.05	32.27	85.10	8.32	41.99
2011	68.97	3.05	65.93	46.07	112.47	9.70	59.28
2012	77.19	2.79	74.40	52.03	124.23	8.94	68.25
2013	73.97	2.57	71.39	52.43	113.59	9.31	64.65
2014	77.32	2.38	74.93	55.82	116.26	8.74	68.58
2015	80.75	2.16	78.59	60.24	117.32	6.93	73.82
2016	87.06	2.01	85.05	64.11	127.32	7.47	79.59
2017	95.88	1.88	94.00	68.20	143.70	7.93	87.95
2018	95.50	1.71	93.78	71.74	135.87	8.30	87.20
2019	92.83	1.50	91.34	68.34	133.80	8.14	84.70

Source - DOT compiled Data

12. North-East

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.46	0.34	2.12	0.53	1.93	1.05	1.41
2009	3.69	0.34	3.35	0.95	2.73	1.10	2.58
2010	5.64	0.33	5.31	2.52	3.12	1.40	4.24
2011	7.45	0.27	7.18	3.24	4.21	1.71	5.75
2012	8.77	0.25	8.52	3.77	5.00	1.87	6.90
2013	9.15	0.19	8.96	4.13	5.02	1.95	7.20
2014	9.55	0.14	9.41	4.39	5.17	1.66	7.89
2015	10.63	0.13	10.50	5.29	5.34	1.65	8.98
2016	11.20	0.12	11.07	5.64	5.56	1.75	9.45
2017	12.69	0.12	12.57	6.37	6.32	1.79	10.90
2018	13.97	0.11	13.86	7.08	6.89	1.75	12.23
2019	12.12	0.10	12.01	4.73	7.39	1.73	10.39
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	0.82	0.87	0.81	0.69	0.86	1.32	0.64
2009	0.86	0.88	0.86	0.77	0.89	1.23	0.76
2010	0.91	0.88	0.91	1.25	0.74	1.32	0.82
2011	0.88	0.78	0.89	1.15	0.75	1.36	0.80
2012	0.92	0.78	0.93	1.14	0.81	1.43	0.84
2013	1.02	0.63	1.03	1.18	0.91	1.50	0.94
2014	1.02	0.49	1.04	1.16	0.93	1.38	0.97
2015	1.07	0.48	1.08	1.27	0.92	1.64	1.00
2016	1.06	0.49	1.07	1.26	0.91	1.61	0.99
2017	1.06	0.50	1.07	1.27	0.91	1.46	1.02
2018	1.15	0.49	1.17	1.35	1.00	1.33	1.13
2019	1.02	0.48	1.03	0.92	1.10	1.29	0.99
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	19.32	2.69	16.63	5.42	64.59	8.26	11.06
2009	28.60	2.60	25.99	9.70	89.46	8.57	20.02
2010	43.22	2.50	40.71	25.36	100.09	10.73	32.49
2011	56.50	2.04	54.46	32.36	132.55	12.95	43.55
2012	65.72	1.89	63.83	37.38	153.90	14.00	51.72
2013	67.78	1.41	66.37	40.57	151.51	14.42	53.36
2014	69.97	1.03	68.94	42.68	153.01	12.17	57.79
2015	77.00	0.92	76.07	51.09	154.91	11.93	65.06
2016	80.22	0.89	79.33	54.01	158.15	12.55	67.67
2017	89.94	0.86	89.08	60.51	176.42	12.68	77.25
2018	98.06	0.79	97.27	66.81	188.77	12.27	85.79
2019	84.17	0.72	83.44	44.30	198.62	12.01	72.16

Source - DOT compiled Data

13. Odisha

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.95	0.77	5.18	2.37	3.58	1.94	4.01
2009	9.33	0.65	8.69	4.20	5.13	2.25	7.08
2010	15.89	0.61	15.27	6.95	8.94	3.11	12.77
2011	22.99	0.57	22.42	9.64	13.34	4.39	18.59
2012	27.08	0.46	26.62	11.99	15.09	4.90	22.19
2013	24.98	0.37	24.60	13.30	11.67	4.88	20.10
2014	25.47	0.35	25.13	13.78	11.69	3.67	21.80
2015	28.19	0.32	27.87	15.46	12.73	3.74	24.45
2016	29.37	0.31	29.06	17.32	12.05	4.43	24.93
2017	34.58	0.29	34.29	20.45	14.13	5.31	29.28
2018	34.65	0.28	34.37	21.84	12.81	5.69	28.96
2019	32.93	0.24	32.69	21.40	11.53	5.97	26.96
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	1.98	1.96	1.98	3.10	1.60	2.44	1.81
2009	2.17	1.71	2.22	3.40	1.68	2.51	2.08
2010	2.56	1.66	2.61	3.46	2.13	2.94	2.48
2011	2.72	1.64	2.76	3.42	2.37	3.49	2.58
2012	2.85	1.44	2.90	3.62	2.43	3.76	2.70
2013	2.78	1.24	2.83	3.81	2.13	3.75	2.62
2014	2.73	1.22	2.78	3.65	2.11	3.06	2.68
2015	2.83	1.20	2.87	3.72	2.19	3.73	2.73
2016	2.77	1.22	2.81	3.87	1.97	4.08	2.62
2017	2.89	1.20	2.93	4.08	2.04	4.34	2.73
2018	2.86	1.22	2.89	4.15	1.87	4.32	2.68
2019	2.78	1.09	2.81	4.16	1.72	4.47	2.57
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.00	1.95	13.05	7.14	55.59	4.90	10.10
2009	23.30	1.62	21.69	12.55	78.09	5.62	17.69
2010	39.30	1.52	37.78	20.61	133.25	7.70	31.60
2011	56.37	1.40	54.97	28.42	194.96	10.77	45.60
2012	65.84	1.13	64.71	35.11	216.24	11.90	53.94
2013	60.21	0.90	59.31	38.72	164.00	11.76	48.45
2014	60.90	0.83	60.07	39.87	161.16	8.77	52.13
2015	66.85	0.75	66.09	44.46	172.11	8.86	57.98
2016	69.09	0.72	68.37	49.52	159.94	10.43	58.66
2017	80.74	0.68	80.06	58.18	184.01	12.39	68.34
2018	80.28	0.64	79.64	61.81	163.73	13.17	67.11
2019	75.74	0.54	75.20	60.27	144.73	13.73	62.01

Source - DOT compiled Data

14. Punjab

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	13.40	1.68	11.72	4.24	9.15	3.45	9.95
2009	16.53	1.65	14.88	5.63	10.90	4.24	12.29
2010	21.70	1.60	20.10	7.26	14.44	4.95	16.75
2011	30.34	1.58	28.76	9.81	20.53	5.81	24.53
2012	33.40	1.44	31.95	11.17	22.23	5.78	27.62
2013	30.78	1.32	29.46	11.59	19.19	5.42	25.37
2014	32.43	1.22	31.21	12.45	19.98	5.51	26.93
2015	31.75	1.12	30.63	12.47	19.28	3.79	27.96
2016	32.81	1.06	31.75	12.49	20.32	4.24	28.56
2017	36.97	1.01	35.97	13.99	22.99	5.13	31.84
2018	39.00	0.86	38.14	14.15	24.86	5.81	33.19
2019	40.01	0.77	39.24	13.62	26.39	5.85	34.17
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	4.46	4.27	4.49	5.55	4.09	4.33	4.51
2009	3.85	4.34	3.80	4.56	3.56	4.74	3.61
2010	3.49	4.34	3.44	3.62	3.43	4.67	3.25
2011	3.58	4.55	3.54	3.48	3.64	4.61	3.41
2012	3.51	4.48	3.48	3.38	3.58	4.43	3.36
2013	3.43	4.37	3.40	3.32	3.50	4.16	3.30
2014	3.48	4.29	3.45	3.30	3.60	4.59	3.31
2015	3.19	4.21	3.16	3.00	3.32	3.78	3.12
2016	3.10	4.20	3.07	2.79	3.32	3.91	3.00
2017	3.09	4.13	3.07	2.79	3.32	4.20	2.97
2018	3.22	3.78	3.21	2.69	3.62	4.42	3.07
2019	3.38	3.57	3.38	2.65	3.94	4.38	3.25
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	47.89	6.02	41.87	25.08	82.79	12.31	35.58
2009	58.25	5.81	52.44	33.11	95.85	14.95	43.30
2010	75.43	5.58	69.86	42.51	123.57	17.19	58.24
2011	104.09	5.42	98.68	57.23	171.07	19.93	84.16
2012	113.13	4.89	108.24	64.90	180.52	19.57	93.56
2013	103.00	4.42	98.58	67.16	151.97	18.12	84.88
2014	107.22	4.04	103.18	71.96	154.34	18.20	89.02
2015	103.79	3.66	100.12	71.96	145.39	12.39	91.39
2016	106.10	3.43	102.67	71.97	149.78	13.72	92.38
2017	118.28	3.22	115.06	80.51	165.52	16.40	101.87
2018	123.45	2.73	120.72	81.39	174.88	18.40	105.05
2019	125.35	2.42	122.92	78.37	181.51	18.32	107.03

Source - DOT compiled Data

15. Rajasthan

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.34	1.76	13.59	6.28	9.07	4.10	11.24
2009	24.42	1.67	22.76	8.37	16.05	4.72	19.70
2010	35.27	1.53	33.74	15.99	19.28	5.91	29.36
2011	44.39	1.29	43.10	20.05	24.34	6.87	37.51
2012	50.32	1.16	49.16	23.00	27.32	6.70	43.63
2013	49.61	1.01	48.60	23.75	25.87	6.85	42.76
2014	53.57	0.92	52.65	26.21	27.36	6.85	46.72
2015	56.03	0.82	55.21	29.28	26.75	3.99	52.04
2016	60.88	0.79	60.09	32.28	28.60	4.67	56.21
2017	68.10	0.74	67.36	34.62	33.48	6.17	61.93
2018	65.84	0.60	65.24	34.09	31.75	6.08	59.76
2019	64.77	0.54	64.24	33.08	31.69	6.35	58.42
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.11	4.46	5.20	8.21	4.05	5.16	5.09
2009	5.68	4.39	5.81	6.78	5.24	5.27	5.79
2010	5.68	4.13	5.77	7.96	4.58	5.58	5.70
2011	5.24	3.71	5.31	7.10	4.32	5.46	5.21
2012	5.29	3.62	5.35	6.95	4.40	5.14	5.31
2013	5.52	3.35	5.60	6.80	4.71	5.27	5.57
2014	5.74	3.24	5.82	6.94	4.93	5.71	5.75
2015	5.62	3.09	5.69	7.04	4.61	3.98	5.81
2016	5.75	3.12	5.81	7.21	4.68	4.29	5.91
2017	5.70	3.03	5.75	6.90	4.83	5.05	5.77
2018	5.43	2.63	5.49	6.48	4.63	4.62	5.53
2019	5.47	2.47	5.53	6.43	4.74	4.76	5.56
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	23.74	2.72	21.02	12.74	59.06	6.35	17.39
2009	37.15	2.53	34.62	16.71	102.56	7.18	29.97
2010	52.76	2.28	50.48	31.42	120.89	8.84	43.92
2011	65.35	1.90	63.46	38.79	149.88	10.12	55.23
2012	72.96	1.69	71.27	43.86	165.30	9.71	63.25
2013	70.85	1.44	69.40	44.63	153.82	9.79	61.06
2014	75.39	1.30	74.09	48.58	160.00	9.65	65.75
2015	77.76	1.14	76.62	53.55	153.93	5.54	72.22
2016	83.36	1.08	82.29	58.30	161.99	6.39	76.98
2017	92.02	1.00	91.02	61.73	186.76	8.33	83.69
2018	87.83	0.80	87.03	60.06	174.44	8.11	79.72
2019	85.34	0.71	84.63	57.60	171.59	8.37	76.97

Source - DOT compiled Data

16. Tamil Nadu

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	20.79	2.50	18.28	5.13	15.65	5.14	15.64
2009	30.04	2.26	27.78	8.22	21.82	5.57	24.47
2010	44.44	2.11	42.34	12.03	32.41	6.64	37.80
2011	58.71	1.98	56.73	15.11	43.59	8.68	50.03
2012	80.87	3.19	77.68	17.21	63.66	12.22	68.65
2013	75.52	3.11	72.41	19.98	55.54	12.00	63.53
2014	78.09	2.91	75.17	21.91	56.18	12.05	66.04
2015	83.08	2.76	80.32	24.05	59.02	10.71	72.36
2016	83.99	2.64	81.35	24.25	59.73	10.65	73.34
2017	91.80	2.55	89.26	26.28	65.53	10.97	80.83
2018	98.01	2.32	95.70	29.14	68.87	12.65	85.36
2019	84.48	2.19	82.29	23.09	61.39	13.48	71.00
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.92	6.35	7.00	6.71	6.99	6.47	7.08
2009	6.99	5.95	7.09	6.65	7.13	6.22	7.19
2010	7.15	5.70	7.25	5.99	7.71	6.27	7.33
2011	6.94	5.69	6.99	5.35	7.73	6.89	6.95
2012	8.50	9.92	8.45	5.20	10.26	9.38	8.36
2013	8.41	10.29	8.34	5.72	10.12	9.22	8.27
2014	8.37	10.22	8.31	5.80	10.12	10.03	8.12
2015	8.34	10.37	8.28	5.78	10.18	10.68	8.08
2016	7.93	10.47	7.87	5.42	9.77	9.80	7.71
2017	7.68	10.44	7.62	5.24	9.45	8.98	7.53
2018	8.09	10.15	8.05	5.54	10.04	9.61	7.90
2019	7.14	10.10	7.08	4.49	9.17	10.09	6.76
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	35.09	4.22	30.87	15.78	58.62	8.69	26.41
2009	50.46	3.80	46.67	25.62	79.48	9.36	41.10
2010	74.31	3.52	70.79	38.05	114.94	11.11	63.20
2011	97.73	3.29	94.44	48.55	150.60	14.44	83.28
2012	116.61	4.60	112.01	56.20	164.40	17.61	98.99
2013	108.17	4.45	103.72	66.33	139.93	17.18	90.99
2014	111.14	4.15	106.99	74.02	138.16	17.14	93.99
2015	117.52	3.90	113.62	82.75	141.81	15.16	102.37
2016	118.13	3.71	114.42	85.00	140.34	14.97	103.16
2017	128.41	3.56	124.84	93.88	150.61	15.34	113.06
2018	136.36	3.22	133.14	106.23	154.96	17.61	118.76
2019	116.94	3.03	113.91	85.94	135.30	18.65	98.29

Source - DOT compiled Data

17. Uttar Pradesh *

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	31.86	2.81	29.05	9.74	22.12	9.51	22.35
2009	49.45	2.81	46.64	15.98	33.47	11.44	38.02
2010	77.50	2.82	74.68	29.45	48.05	14.41	63.10
2011	111.77	2.32	109.45	43.59	68.18	16.66	95.11
2012	130.78	2.07	128.71	53.27	77.51	16.84	113.94
2013	124.04	1.82	122.22	56.39	67.65	17.01	107.03
2014	127.08	1.34	125.74	61.02	66.06	16.11	110.97
2015	136.42	1.00	135.42	67.71	68.71	11.84	124.58
2016	150.77	0.93	149.84	74.53	76.24	13.95	136.81
2017	172.13	0.89	171.24	82.44	89.69	17.66	154.46
2018	168.40	0.81	167.59	84.76	83.65	18.32	150.09
2019	164.34	0.75	163.59	90.42	73.92	18.41	145.93
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	10.60	7.14	11.13	12.73	9.88	11.96	10.12
2009	11.51	7.40	11.91	12.94	10.93	12.77	11.18
2010	12.47	7.64	12.78	14.67	11.43	13.61	12.24
2011	13.21	6.69	13.49	15.44	12.09	13.22	13.20
2012	13.75	6.43	14.00	16.10	12.49	12.93	13.88
2013	13.81	6.01	14.08	16.15	12.33	13.07	13.94
2014	13.62	4.71	13.90	16.15	11.90	13.42	13.65
2015	13.69	3.75	13.97	16.27	11.85	11.80	13.91
2016	14.23	3.69	14.49	16.64	12.47	12.84	14.39
2017	14.40	3.65	14.63	16.43	12.94	14.46	14.40
2018	13.90	3.56	14.10	16.12	12.20	13.91	13.90
2019	13.89	3.47	14.08	17.58	11.05	13.79	13.90
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	15.93	1.41	14.52	6.23	50.53	4.75	11.17
2009	24.28	1.38	22.90	10.06	74.65	5.61	18.66
2010	37.37	1.36	36.01	18.24	104.68	6.95	30.43
2011	52.97	1.10	51.87	26.57	145.15	7.90	45.07
2012	60.93	0.96	59.97	31.98	161.32	7.85	53.08
2013	56.83	0.83	56.00	33.34	137.69	7.79	49.04
2014	57.27	0.61	56.67	35.55	131.53	7.26	50.01
2015	60.51	0.44	60.06	38.88	133.87	5.25	55.25
2016	65.83	0.41	65.43	42.20	145.42	6.09	59.74
2017	74.03	0.38	73.64	46.06	167.56	7.60	66.43
2018	44.33	0.34	71.01	31.08	88.31	7.76	63.60
2019	41.53	0.31	68.32	31.93	73.20	7.69	60.94

* UP (East) and UP (West) combined

Source - DOT compiled Data

18. West Bengal

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	10.59	1.15	9.44	4.68	5.90	2.70	7.88
2009	16.71	1.05	15.66	8.62	8.09	3.06	13.65
2010	26.07	0.91	25.17	15.00	11.07	3.28	22.79
2011	40.42	0.76	39.66	23.93	16.49	4.07	36.35
2012	46.95	0.68	46.27	27.51	19.44	4.27	42.68
2013	41.71	0.55	41.16	26.77	14.94	4.15	37.56
2014	42.80	0.51	42.29	27.74	15.06	2.55	40.25
2015	47.52	0.44	47.07	31.79	15.73	1.80	45.71
2016	49.87	0.37	49.50	34.38	15.49	2.11	47.75
2017	58.58	0.33	58.25	39.86	18.72	2.23	56.35
2018	59.15	0.28	58.88	40.52	18.63	2.01	57.15
2019	57.72	0.23	57.49	37.45	20.27	1.99	55.73
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	3.52	2.91	3.62	6.12	2.63	3.40	3.57
2009	3.89	2.78	4.00	6.98	2.64	3.42	4.01
2010	4.20	2.45	4.31	7.47	2.63	3.10	4.42
2011	4.78	2.18	4.89	8.48	2.92	3.23	5.05
2012	4.94	2.12	5.03	8.32	3.13	3.28	5.20
2013	4.64	1.81	4.74	7.67	2.72	3.19	4.89
2014	4.59	1.78	4.68	7.34	2.71	2.12	4.95
2015	4.77	1.66	4.86	7.64	2.71	1.80	5.10
2016	4.71	1.45	4.79	7.68	2.53	1.94	5.02
2017	4.90	1.34	4.98	7.94	2.70	1.82	5.25
2018	4.88	1.22	4.95	7.71	2.72	1.53	5.29
2019	4.88	1.04	4.95	7.28	3.03	1.49	5.31
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	14.39	1.56	12.83	7.41	56.86	3.67	10.71
2009	22.50	1.42	21.08	13.51	77.04	4.12	18.38
2010	34.78	1.21	33.57	23.32	104.13	4.38	30.40
2011	53.43	1.00	52.43	36.88	153.26	5.38	48.05
2012	61.52	0.89	60.63	42.05	178.63	5.60	55.93
2013	54.18	0.71	53.47	40.58	135.72	5.39	48.79
2014	55.13	0.65	54.48	41.71	135.28	3.29	51.84
2015	60.69	0.56	60.13	47.41	139.77	2.30	58.39
2016	63.16	0.46	62.69	50.88	136.07	2.68	60.48
2017	73.59	0.41	73.18	58.54	162.71	2.80	70.79
2018	73.73	0.35	73.39	59.06	160.28	2.50	71.23
2019	71.39	0.28	71.11	54.19	172.51	2.47	68.92

Source - DOT compiled Data

19. Kolkata

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	9.33	1.49	7.84	0.73	8.60	2.43	6.90
2009	13.18	1.54	11.64	1.04	12.14	2.95	10.23
2010	17.87	1.46	16.40	0.72	17.14	3.11	14.76
2011	24.61	1.40	23.21	0.92	23.70	3.69	20.93
2012	26.17	1.18	24.99	0.90	25.27	3.40	22.77
2013	22.40	1.14	21.26	0.95	21.46	3.23	19.18
2014	22.15	1.08	21.07	1.77	20.38	1.71	20.44
2015	23.56	1.00	22.56	1.59	21.97	1.55	22.02
2016	25.93	0.91	25.03	1.79	24.15	1.45	24.48
2017	30.18	0.86	29.32	2.38	27.80	1.57	28.61
2018	29.61	0.79	28.81	3.28	26.32	2.02	27.58
2019	27.05	0.71	26.34	2.83	24.22	2.05	25.00
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	3.11	3.78	3.00	0.95	3.84	3.05	3.12
2009	3.07	4.05	2.97	0.84	3.96	3.29	3.01
2010	2.88	3.96	2.81	0.36	4.08	2.94	2.86
2011	2.91	4.03	2.86	0.32	4.20	2.93	2.91
2012	2.75	3.68	2.72	0.27	4.07	2.61	2.77
2013	2.49	3.79	2.45	0.27	3.91	2.48	2.50
2014	2.37	3.78	2.33	0.47	3.67	1.42	2.51
2015	2.37	3.78	2.33	0.38	3.79	1.54	2.46
2016	2.45	3.60	2.42	0.40	3.95	1.34	2.58
2017	2.53	3.52	2.50	0.47	4.01	1.28	2.67
2018	2.44	3.47	2.42	0.62	3.84	1.54	2.55
2019	2.29	3.27	2.27	0.55	3.62	1.54	2.38
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	64.22	10.24	53.98	#	#	16.71	47.51
2009	89.68	10.46	79.21	#	#	20.06	69.62
2010	120.18	9.84	110.34	#	#	20.92	99.27
2011	163.76	9.32	154.44	#	#	24.53	139.23
2012	172.22	7.78	164.44	#	#	22.38	149.84
2013	145.86	7.45	138.41	#	#	21.01	124.85
2014	142.67	6.94	135.73	#	#	11.00	131.66
2015	150.20	6.40	143.80	#	#	9.87	140.33
2016	163.56	5.73	157.82	#	#	9.16	154.39
2017	188.37	5.36	183.01	#	#	9.80	178.58
2018	182.97	4.89	178.08	#	#	12.50	170.47
2019	165.51	4.35	161.16	#	#	12.55	152.96

: Rural -Urban breakup of population not available

Source - DOT compiled Data

20. Chennai

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	8.44	1.38	7.06	0.12	8.32	1.99	6.44
2009	10.63	1.40	9.23	0.12	10.51	2.14	8.50
2010	12.81	1.47	11.35	0.12	12.69	2.30	10.52
2011	14.38	1.48	12.90	0.11	14.27	2.53	11.86
2012	Included in Tamilnadu in year 2011						
2013							
2014							
2015							
2016							
2017							
2018							
2019							
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	2.81	3.49	2.70	0.16	3.71	2.50	2.92
2009	2.47	3.70	2.36	0.10	3.43	2.39	2.50
2010	2.06	3.97	1.94	0.06	3.02	2.17	2.04
2011	1.70	4.27	1.59	0.04	2.53	2.01	1.65
2012	Included in Tamilnadu in year 2011						
2013							
2014							
2015							
2016							
2017							
2018							
2019							
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	103.90	16.94	86.96	#	102.41	24.54	79.36
2009	127.38	16.82	110.56	#	125.91	25.61	101.77
2010	149.41	17.10	132.32	#	148.00	26.80	122.61
2011	163.40	16.83	146.57	#	162.12	28.71	134.70
2012	Included in Tamilnadu in year 2011						
2013							
2014							
2015							
2016							
2017							
2018							
2019							

: Rural -Urban breakup of population not available

Source - DOT compiled Data

21. Delhi

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	18.70	2.42	16.28	0.00	18.70	3.18	15.52
2009	24.50	2.52	21.98	0.00	24.50	3.59	20.92
2010	31.01	2.71	28.30	0.34	30.67	3.94	27.07
2011	41.66	2.84	38.82	1.10	40.56	4.19	37.47
2012	45.40	2.91	42.49	1.78	43.63	4.45	40.95
2013	43.39	2.96	40.43	2.13	41.25	4.19	39.20
2014	45.69	3.10	42.58	2.37	43.32	3.91	41.78
2015	49.33	3.14	46.19	2.22	47.11	3.96	45.37
2016	50.42	3.17	47.24	2.26	48.16	3.93	46.48
2017	56.57	3.22	53.35	2.54	54.03	3.93	52.65
2018	57.45	3.19	54.26	2.96	54.49	3.82	53.64
2019	55.39	3.26	52.14	1.61	53.79	3.69	51.70
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	6.22	6.14	6.24	0.00	8.35	4.00	7.03
2009	5.70	6.64	5.61	0.00	8.00	4.00	6.15
2010	4.99	7.34	4.84	0.17	7.29	3.72	5.25
2011	4.92	8.17	4.78	0.39	7.19	3.32	5.20
2012	4.77	9.05	4.62	0.54	7.03	3.42	4.99
2013	4.83	9.81	4.66	0.61	7.52	3.22	5.10
2014	4.90	10.89	4.71	0.63	7.80	3.26	5.14
2015	4.95	11.81	4.76	0.53	8.12	3.95	5.06
2016	4.76	12.57	4.57	0.50	7.87	3.62	4.89
2017	4.73	13.21	4.56	0.51	7.80	3.22	4.91
2018	4.74	13.99	4.56	0.56	7.94	2.90	4.97
2019	4.68	15.01	4.49	0.31	8.04	2.77	4.92
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	110.05	14.24	95.81	#	#	18.72	91.33
2009	140.18	14.42	125.75	#	#	20.52	119.66
2010	172.49	15.08	157.41	#	#	21.93	150.57
2011	225.25	15.35	209.90	#	#	22.64	202.62
2012	245.48	15.75	229.73	#	#	24.06	221.43
2013	221.64	15.13	206.51	#	#	21.39	200.25
2014	226.84	15.41	211.43	#	#	19.41	207.43
2015	237.99	15.16	222.84	#	#	19.10	218.89
2016	236.29	14.86	221.43	#	#	18.44	217.86
2017	257.76	14.68	243.08	#	#	17.90	239.86
2018	254.49	14.14	240.35	#	#	16.91	237.58
2019	238.57	14.03	224.55	#	#	15.91	222.66

: Rural -Urban breakup of population not available

Source - DOT compiled Data

22. Mumbai

Telecom Subscribers (Millions)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	16.32	2.69	13.63	0.00	16.32	4.03	12.29
2009	22.11	2.88	19.23	0.00	22.11	4.47	17.64
2010	29.43	2.95	26.48	0.00	29.43	4.65	24.78
2011	37.79	2.99	34.80	0.00	37.79	4.75	33.04
2012	39.29	3.01	36.28	0.00	39.29	4.84	34.45
2013	33.36	2.99	30.37	0.13	33.23	4.27	29.09
2014	33.95	3.06	30.89	0.35	33.61	3.00	30.95
2015	33.73	3.06	30.67	0.68	33.06	3.14	30.59
2016	34.84	3.04	31.80	0.84	34.00	3.13	31.71
2017	39.62	3.04	36.58	1.40	38.23	3.16	36.46
2018	39.51	2.99	36.52	1.85	37.66	3.09	36.42
2019	40.93	2.92	38.01	1.64	39.29	3.00	37.93
Percentage Share to Total Subscribers in India (%)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	5.43	6.81	5.22	0.00	7.28	5.06	5.56
2009	5.15	7.59	4.91	0.00	7.22	4.99	5.19
2010	4.74	7.97	4.53	0.00	7.00	4.39	4.81
2011	4.47	8.61	4.29	0.00	6.70	3.77	4.59
2012	4.13	9.36	3.95	0.00	6.33	3.72	4.20
2013	3.71	9.88	3.50	0.04	6.05	3.28	3.79
2014	3.64	10.75	3.42	0.09	6.05	2.50	3.81
2015	3.39	11.52	3.16	0.16	5.70	3.13	3.42
2016	3.29	12.05	3.07	0.19	5.56	2.88	3.34
2017	3.32	12.47	3.13	0.28	5.51	2.59	3.40
2018	3.26	13.11	3.07	0.35	5.49	2.34	3.37
2019	3.46	13.46	3.27	0.32	5.87	2.25	3.61
Teledensity (per 100 Inhabitants)							
At the end of March	Total	Wireline	Wireless	Rural	Urban	Public	Private
2008	83.48	13.74	69.74	#	#	20.61	62.87
2009	110.52	14.40	96.12	#	#	22.34	88.18
2010	143.71	14.38	129.33	#	#	22.70	121.01
2011	180.44	14.29	166.16	#	#	22.70	157.75
2012	187.62	14.37	173.25	#	#	23.11	164.50
2013	152.44	13.64	138.80	#	#	19.52	132.92
2014	151.90	13.71	138.19	#	#	13.44	138.45
2015	147.81	13.42	134.39	#	#	13.77	134.04
2016	149.60	13.05	136.55	#	#	13.45	136.16
2017	166.77	12.80	153.96	#	#	13.30	153.47
2018	163.01	12.34	150.67	#	#	12.73	150.28
2019	165.62	11.82	153.81	#	#	12.15	153.48

: Rural -Urban breakup of population not available

Source - DOT compiled Data

IV – North-Eastern Region (NER)

Table 1 - Wireline connections in the North-East vis a vis All India

North East			
As on 31st March	Wireline		
	PSUs	Pvt.	Total
2010-11	524819	2259	527078
2011-12	479358	2869	482227
2012-13	383799	480	384279
2013-14	322781	1140	323921
2014-15	293138	1560	294698
2015-16	282949	1920	284869
% Change in 2015-16 Over 2010-11	-46.09%	-15.01%	-45.95%
All India			
2010-11	28688874	6040975	34729849
2011-12	25925461	6246010	32171471
2012-13	23906111	6307631	30213742
2013-14	22030222	6468623	28498845
2014-15	19964111	6630228	26594339
2015-16	18266458	6958110	25224568
% Change in 2015-16 Over 2010-11	-36.33%	15.18%	-27.37%

Source: DOT

Table 2 - State-wise wireline (rural/urban) connections in the North-East

States	As on 31st March 2014		As on 31st March 2015		As on 31st March 2016	
	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN
TRIPURA	13,056	21,258	10,219	18,963	8,487	19,035
MIZORAM	2,782	17,866	2,133	16,646	1,757	16,601
NAGALAND	1,897	15,931	1,362	12,708	1,325	12,173
ARUNACHAL PRADESH	7,547	17,289	7,490	16,965	6,821	17,271
MEGHALAYA	3,746	18,518	3,122	17,131	2,456	16,953
MANIPUR	5,391	14,656	5,252	15,273	5,422	16,026
ASSAM	34,644	1,49,340	30,360	1,37,074	29,213	1,31,329
SIKKIM	Data is not available since TSPs furnishing Sikkim details along with West					

Source: TRAI

**Table 3 - Wireless connections in the North-East
vis a vis All India**

North-East			
As on 31st March	Wireless		
	PSUs	Pvt.	Total
2010-11	2923516	15931772	18855288
2011-12	2881727	19844665	22726392
2012-13	2992760	20355446	23348206
2013-14	2802706	21886644	24689350
2014-15	2781845	24872596	27654441
2015-16	2973060	26662674	29635734
% Change in 2015-16 Over 2010-11	1.69%	67.36%	57.17%
All India			
2010-11	97310270	714285047	811595317
2011-12	104345386	814829149	919174535
2012-13	106205976	761599031	867805007
2013-14	98021781	806494512	904516293
2014-15	80376282	889159591	969535873
2015-16	90383478	943725185	1034108663
% Change in 2015-16 Over 2010-11	-7.12%	32.12%	27.42%

Source: DOT

Table 4 - State-wise wireless connections for all North-Eastern States

States	As on 31 st March, 2016		As on 31 st March, 2015		As on 31 st March, 2014	
	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN
ASSAM	11742614	6789750	10550794	6600097	9161807	6116401
MIZORAM	1071387		1036601		9411142	
NAGALAND	1720471		1661007			
ARUNACHAL PRADESH	957729		744425			
MEGHALAYA	1902567		1946587			
MANIPUR	2569768		2481740			
TRIPURA	2761750		2518988			
SIKKIM	585456		572062			

Source: TRAI

Table 5 - Total (Wireline + Wireless) connections in the North-East vis a vis All India

North-East			
As on 31st March	Total (Wireless + wireline)		
	PSUs	Pvt.	Total
2010-11	3448335	15934031	19382366
2011-12	3361085	19847534	23208619
2012-13	3376559	20355926	23732485
2013-14	3125487	21887784	25013271
2014-15	3074983	24874156	27949139
2015-16	3256009	26664594	29920603
% Change in 2015-16 Over 2010-11	-5.58%	67.34%	54.37%
All India			
2010-11	125999144	720326022	846325166
2011-12	130270847	821075159	951346006
2012-13	130112087	767906662	898018749
2013-14	120052003	812963135	933015138
2014-15	100340393	895789819	996130212
2015-16	108649936	950683295	1059333231
% Change in 2015-16 Over 2010-11	-13.77%	31.98%	25.17%

Source: DOT

Table 6 - Teledensity in North-Eastern States

North-East			
As on 31st March	Teledensity %	% Share of	
		PSUs	Pvt.
2010-11	44.26	17.79%	82.21%
2011-12	52.36	14.48%	85.52%
2012-13	52.92	14.23%	85.77%
2013-14	55.13	12.50%	87.50%
2014-15	60.88	11.00%	89.00%
2015-16	64.43	10.88%	89.12%
All India			
As on 31st March	Teledensity %	% Share of	
		PSUs	Pvt.
2010-11	70.89	14.89%	85.11%
2011-12	78.66	13.69%	86.31%
2012-13	73.32	14.49%	85.51%
2013-14	75.23	12.87%	87.13%
2014-15	79.36	10.07%	89.93%
2015-16	83.40	10.26%	89.74%

Source : DOT

Table 7 - Broadband and Internet connections in North-East

As on 31st March	Connections (million)	
	Broadband	Internet
2010-11	0.2	1.1
2011-12	0.6	2.4
2012-13	0.9	4.9
2013-14	1.27	7.11
2014-15	2.25	9.03
2015-16	4.43	10.82
All India		
2010-11	11.89	19.67
2011-12	13.81	22.86
2012-13	15.05	164.81
2013-14	60.87	251.59
2014-15	99.2	302.35
2015-16	149.75	342.66

Source: DOT, TRAI

Table 8 - Statewise internet connections in North-East

States	As on 31st March 2016		As on 31st March 2015		As on 31st March 2014	
	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN
TRIPURA	433614	356724	400732	312844	682	16030
MIZORAM	237195	239212	243767	234942	647	37674
NAGALAND	377898	322778	290354	197673	509	8703
ARUNACHAL PRADESH	304737	491763	187498	197769	99211	2805721*
MEGHALAYA	220611	293619	291462	283250	657	36268
MANIPUR	391817	394006	503548	427938	644	8023
ASSAM	3212725	3540018	3248398	2226175	348439	3759047
SIKKIM	Data is not available since TSPs furnishing Sikkim details along with West					

* : Some service providers (including BSNL) have not provided the separate figures of subscribers in North-Eastern States. Thus the same has been included in Arunachal subscribers base.)

Source: TRAI

Table 9 - Operator wise Telephone connections and market share of Assam as on 31.07.2016

Operator	Landline	Share in landline (%)	Mobile	Share in mobile (%)
BSNL	155938	98.8	1375070	7.11
Bharti Airtel	0	0	6130263	31.71
Aircel	0	0	5494490	28.42
Vodafone	1890	1.2	3802782	19.67
Reliance	0	0	1387226	7.17
Idea	0	0	1145245	5.92
	157828		19335076	

Source: DOT Compiled Data

Table 10 - Operator wise Telephone connections and market share of North-East (excluding Assam) as on 31.07.2016

Operator	Landline	Share in landline (%)	Mobile	Share in mobile (%)
BSNL	122753	99.88	1692793	14.74
Bharti Airtel	0	0	3952201	34.42
Aircel	0	0	3359472	29.26
Vodafone	150	0.12	1596240	13.9
Reliance	0	0	380801	3.32
Idea	0	0	501315	4.37
	122903		11482822	

Source: DOT Compiled Data

Table 11 - Operator wise Telephone connections and market share of North-Eastern Region (North-East + Assam) as on 31.07.2016

Operator	Landline	Share in landline (%)	Mobile	Share in mobile (%)
BSNL	278691	99.27	3067863	9.95
Bharti Airtel	0	0	10082464	32.72
Aircel	0	0	8853962	28.73
Vodafone	2040	0.73	5399022	17.52
Reliance	0	0	1768027	5.74
Idea	0	0	1646560	5.34
	280731		30817898	

Source: DOT Compiled Data

V – Operator Wise Statistics

Table 1 - Number of Subscribers (Public & Private Sector Operators) (Million)

(In Million)			
At the end of March	Total - PSUs	Total Private	Grand Total
2008	79.55	220.94	300.49
2009	89.55	340.18	429.73
2010	105.87	515.41	621.28
2011	126.00	720.33	846.33
2012	130.27	821.08	951.35
2013	130.11	767.91	898.02
2014	120.05	812.96	933.02
2015	100.34	895.79	996.13
2016	108.65	950.68	1059.33
2017	122.18	1072.81	1194.99
2018	131.66	1080.14	1211.80
2019	133.51	1049.90	1183.41

Source - DOT Compiled Data

Table 2 - Share of Public & Private Sector Operators in Total Subscribers (%)

At the end of March	PSUs	Private
2008	26.47	73.53
2009	20.84	79.16
2010	17.04	82.96
2011	14.89	85.11
2012	13.69	86.31
2013	14.49	85.51
2014	12.87	87.13
2015	10.07	89.93
2016	10.26	89.74
2017	10.22	89.78
2018	10.86	89.14
2019	11.28	88.72

Source - DOT Compiled Data

Table 3 - PSU Telecom Subscribers in India (2008-2019)

(In Million)		
At the end of March	BSNL	MTNL
2008	72.34	7.21
2009	81.49	8.06
2010	97.28	8.59
2011	117.06	8.94
2012	120.98	9.29
2013	121.65	8.46
2014	113.14	6.91
2015	93.24	7.10
2016	101.58	7.06
2017	115.09	7.09
2018	124.75	6.90
2019	126.81	6.70

Source - DOT Compiled Data

Table 4 - PSU Operators' percent share to Total (All Operators) (2008-2019)

At the end of March	BSNL	MTNL
2008	24.07	2.40
2009	18.96	1.87
2010	15.66	1.38
2011	13.83	1.06
2012	12.72	0.98
2013	13.55	0.94
2014	12.13	0.74
2015	9.36	0.71
2016	9.59	0.67
2017	9.63	0.59
2018	10.29	0.57
2019	10.72	0.57

Source - DOT Compiled Data

Table 5 - Subscribers of Private Operators in India (2008-2019)

														(In Million)
At the end of March	Bharti	Reliance	Reliance -Jio	Vodafone *	TATA	Idea*	Aircel	Loop/BPL mobile	Quadrant/HF CL	SISTEMA	Telewings/U ninor	Stel	Etisalat DB Telcom	Videocon
2008	64.27	46.67	Started services from October, 2016	44.13	25.05	28.21	10.61	1.29	0.45	0.26	0.00	0.00	0.00	0.00
2009	96.65	73.77		68.77	36.04	43.02	18.48	2.16	0.55	0.73	0.00	0.00	0.00	0.00
2010	130.69	103.60		100.86	67.10	63.82	36.86	2.84	0.50	3.82	4.26	1.01	0.00	0.03
2011	165.50	136.95		134.57	90.42	89.50	54.84	3.09	1.66	10.10	22.79	2.82	0.97	7.11
2012	184.55	154.32		150.48	83.19	112.72	62.57	3.27	1.53	15.85	42.43	3.43	0.78	5.95
2013	191.48	124.22		152.39	67.92	121.61	60.07	3.01	1.56	11.96	31.68	0.00	0.00	2.01
2014	208.75	112.13		166.62	64.55	135.79	70.15	2.90	2.39	9.09	35.61	0.00	0.00	4.99
2015	229.43	110.65		183.88	67.99	157.81	81.40	0.00	2.96	8.92	45.62	0.00	0.00	7.13
2016	254.90	103.58		198.04	61.82	175.07	87.09	0.00	3.42	7.75	52.45	0.00	0.00	6.56
2017	277.51	84.68	108.68	209.20	50.74	195.37	90.90	0.00	0.26	4.97	50.49	0.00	0.00	0.00
2018	308.12	1.11	186.56	222.92	33.07	211.21	78.92	0.00	0.24	0.00	37.98	0.00	0.00	0.00
2019	329.36	0.75	306.72	395.17	17.68	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00

Source - DOT Compiled Data

Note: Aircel mobile data is till February 2018

*Subscription figure for Vodafone and Idea as a merged entity since 2019

Table 6 - Private Operators' Subscriber percent share to Total (All Operators) (2008-2019)

At the end of March	Bharti	Reliance	Reliance -Jio	Vodafone*	TATA	Idea*	Aircel	Loop/BPL mobile	Quadrant/HF CL	SISTEMA	Telewings/U ninor	Stel	Etisalat DB Telcom	Videocon
2008	21.39	15.53	Started services from October, 2016	14.68	9.39	9.39	3.53	0.43	0.15	0.09	0.00	0.00	0.00	0.00
2009	22.49	17.17		16.00	10.01	10.01	4.30	0.50	0.13	0.17	0.00	0.00	0.00	0.00
2010	21.03	16.68		16.23	10.27	10.27	5.93	0.46	0.08	0.62	0.69	0.16	0.00	0.01
2011	19.56	16.18		15.90	10.58	10.58	6.48	0.37	0.20	1.19	2.69	0.33	0.11	0.84
2012	19.40	16.22		15.82	11.85	11.85	6.58	0.34	0.16	1.67	4.46	0.36	0.08	0.63
2013	21.32	13.83		16.97	13.54	13.54	6.69	0.33	0.17	1.33	3.53	0.00	0.00	0.22
2014	22.37	12.02		17.86	14.55	14.55	7.52	0.31	0.26	0.97	3.82	0.00	0.00	0.53
2015	23.03	11.11		18.46	15.84	15.84	8.17	0.00	0.30	0.90	4.58	0.00	0.00	0.72
2016	24.06	9.78		18.69	16.53	16.53	8.22	0.00	0.32	0.73	4.95	0.00	0.00	0.62
2017	23.22	7.09	9.09	17.51	4.25	16.35	7.61	0.00	0.02	0.42	4.23	0.00	0.00	0.00
2018	25.43	0.09	15.40	18.40	2.73	17.43	6.51	0.00	0.02	0.00	3.13	0.00	0.00	0.00
2019	27.83	0.06	25.92	33.39	1.49	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00

Source - DOT Compiled Data

Note: Aircel mobile data is till February 2018

*Subscription figure for Vodafone and Idea as a merged entity since 2019

VI – Financials of Telecom Operators

Table 1 - Gross Revenue (In ₹ Crore)

Operator	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
AIRCEL	3,023	4,735	4,461	5,634	6,262	6,262	5,480	-
AIRTEL	42,229	46,814	50,772	60,689	60,473	62,461	53,899	49,859
BSNL	27,934	27,128	27,996	28,645	32,411	31,533	25,071	-
IDEA	19,322	22,087	26,179	31,732	35,981	35,476	28,127	-
JIO	-	-	-	1	3	1	20,158	-
MTNL	3,624	3,714	3,787	3,821	3,693	3,552	3,116	-
MTS	1,160	1,231	1,245	1,429	1,513	1,107	259	-
RCOM	11,863	12,820	12,445	11,136	10,314	9,154	2,231	-
TATA	9,837	10,835	10,484	10,966	10,708	9,667	5,325	-
TATA MAHARASHTRA	2,507	2,686	2,819	2,939	2,999	2,761	1,904	1,315
UNINOR	3,782	2,333	3,396	4,655	4,555	4,799	3,036	-
VIDEOCON	623	509	621	-	-	-	-	-
VODAFONE	36,350	40,985	41,116	46,341	43,644	43,327	35,127	-
VODAFONE IDEA	-	-	-	-	-	-	-	37,932
Industry	1,62,254	1,75,875	1,85,321	2,07,988	2,12,558	2,10,100	1,83,732	89,106

Source : Operator's Websites / MCA & TRAI Revenue Report

Note: Data for 2018-19 received only from Airtel, Tata Maharashtra and Vodafone-Idea.

Table 2 - EBIDTA (In ₹ Crore)

Operator	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
AIRCEL	-669	-1,359	305	806	692	692	-	-
AIRTEL	14,302	14,963	17,221	24,624	22,586	24,110	18,100	12,741
BSNL	706	915	-692	672	2,931	1,684	-2,858	-
IDEA	4,313	5,156	7,323	10,126	12,072	10,292	5,944	-
JIO	-	-	-	-18	-18	-42	6,735	-
MTNL	-1,599	-2,645	-527	-304	-253	-409	-439	-
MTS	-1,068	-958	-785	-467	-189	-2,245	-	-
RCOM	3,161	4,281	3,086	1,991	2,436	526	264	-
TATA	-369	-512	188	1,055	1,704	1,341	-901	-
TATA MAHARASHTRA	562	596	714	683	816	713	170	708
UNINOR	4,171	294	333	-393	-114	515	-	-
VIDEOCON	-937	-994	-206	-	-	-	-	-
VODAFONE	7,329	9,795	13,006	14,168	11,290	9,923	6,760	-
VODAFONE IDEA	-	-	-	-	-	-	-	4,952
Industry	29,901	29,534	39,965	52,941	53,953	47,101	33,775	18,401

Source : Operator's Websites / MCA & TRAI Revenue Report

Note: Data for 2018-19 received only from Airtel, Tata Maharashtra and Vodafone-Idea.

Table 3 - PBIT (In ₹ Crore)

Operator	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
AIRCEL	-1,696	-2,787	-802	-48	-1,272	-1,272	-	-
AIRTEL	8,386	8,137	9,989	17,064	13,011	11,906	5,052	-2,346
BSNL	-8,468	-7,421	-6,715	-8,145	-4,274	-4,646	-8,690	-
IDEA	1,750	2,102	3,230	5,271	5,849	2,592	-2,372	-
JIO	-	-	-	-21	-22	-47	3,158	-
MTNL	-3,096	-4,121	-1,693	-1,463	-1,404	-1,497	-1,468	-
MTS	-1,381	-1,392	-1,325	-1,097	-864	-2,864	-	-
RCOM	1,318	2,501	991	51	422	-1,446	64	-
TATA	-2,557	-2,710	-2,153	-1,206	27	-506	-1,987	-
TATA MAHARASHTRA	19	1	104	72	1,275	1,508	-362	530
UNINOR	3,221	197	38	-1,317	-1,726	-327	-	-
VIDEOCON	-1239	-1382	-542	-	-	-	-	-
VODAFONE	2,928	4,893	6,724	6,936	3,467	420	-3,062	-
VODAFONE IDEA	-	-	-	-	-	-	-	-9,458
Industry	-815	-1,983	7,847	16,096	14,488	3,821	-9,668	-11,274

Source : Operator's Websites / MCA & TRAI Revenue Report

Note: Data for 2018-19 received only from Airtel, Tata Maharashtra and Vodafone-Idea.

Table 4 - PBT (In ₹ Crore)

Operator	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
AIRCEL	-3,237	-6,855	-3,478	-1,451	-2,961	-2,961	-	-
AIRTEL	6,956	6,455	8,377	15,655	10,254	-8,509	-681	-5,204
BSNL	-8,821	-7,955	-7,124	-8,843	-4,859	-4,793	-8,738	-
IDEA	842	1,289	2,605	4,339	4,071	-1,419	-7,297	-
JIO	-	-	-	-23	-24	-48	1,109	-
MTNL	-4,045	-5,302	8,538	-2,902	-2,263	-2,941	-2,973	-
MTS	-2,418	-2,298	-1,966	-1,654	-2,548	-4,577	-	-
RCOM	155	624	-758	1,340	-1,627	-3,855	64	-
TATA	-4,228	-4,858	-6,167	-3,846	-2,409	-4,617	-17,630	-
TATA MAHARASHTRA	-518	-659	-560	-615	-358	-2,356	-9,842	-668
UNINOR	-9,757	-870	-232	-1,701	-2,279	-924	-	-
VIDEOCON	-1747	-2082	-1137	-	-	-	-	-
VODAFONE	-1,626	-109	2,936	1,767	-2,810	-5,630	-8,696	-
VODAFONE IDEA	-1,626	-109	2,936	1,767	-2,810	-5,630	-8,696	-
Industry	-28,444	-22,621	1,035	2,065	-7,814	-42,630	-54,685	-23,564

Source : Operator's Websites / MCA & TRAI Revenue Report

Note: Data for 2018-19 received only from Airtel, Tata Maharashtra and Vodafone-Idea.

Table 5 - PAT (In ₹ Crore)

Operator	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
AIRCEL	-3,237	-6,855	-3,478	-1,451	-2,961	-2,961	-	-
AIRTEL	5,730	5,096	6,600	13,201	7,780	-9,926	79	-1,829
BSNL	-8,851	-7,884	-7,020	-8,234	-4,859	-4,793	-7,993	-
IDEA	577	818	1,689	2,810	2,646	-831	-4,781	-
JIO	-	-	-	-23	-24	-31	723	-
MTNL	-4,110	-5,321	8,041	-2,902	-1,948	-2,941	-2,973	-
MTS	-2,418	-2,298	-1,966	-1,654	-2,548	-4,577	-	-
RCOM	156	624	730	-154	-379	-1,796	63	-
TATA	-4,228	-4,858	-6,167	-3,846	-2,409	-4,617	-17,630	-
TATA MAHARASHTRA	-518	-659	-560	-615	-358	-2,356	-9,842	-668
UNINOR	-9,686	-864	-232	-1,701	-2,279	-924	-	-
VIDEOCON	-1747	-2082	-175	-	-	-	-	-
VODAFONE	-2,787	-1,276	1,166	-17	2,368	-4,200	-8,082	-
VODAFONE IDEA	-	-	-	-	-	-	-	-14,056
Industry	-31,118	-25,559	-1,371	-4,588	-4,971	-39,952	-50,436	-16,553

Source : Operator's Websites / MCA & TRAI Revenue Report

Note: Data for 2018-19 received only from Airtel, Tata Maharashtra and Vodafone-Idea.

Table 6 - AGR (In ₹ Crore)

Operator	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
AIRCEL	4,728	5,153	6,385	7,495	7,945	10,522	3,721	-
AIRTEL	30,423	31,926	35,655	40,677	46,633	47,209	33,429	25,804
BSNL	7,151	7,421	7,672	7,148	8,525	7,932	5,313	4,609
IDEA	14,255	15,791	19,319	23,607	28,695	28,476	20,248	3,743
JIO	-	-	-	-	-	-1,515	14,862	34,719
MTNL	495	406	710	719	988	577	232	355
MTS	1,034	1,209	834	1,096	1,269	934	223	-
RCOM	7,912	7,481	8,388	7,681	6,412	4,106	2,028	441
TATA	9,006	8,622	8,573	9,648	10,238	9,239	4,872	2,247
UNINOR	1,789	2,095	2,097	2,820	3,352	2,932	1,685	86
VIDEOCON	135	-	111	160	218	277	-	-
VODAFONE	21,231	23,156	26,563	30,168	33,492	33,322	24,146	4,484
VODAFONE IDEA	-	-	-	-	-	-	-	21,885
Industry	98,159	1,03,260	1,16,308	1,31,220	1,47,768	1,44,010	1,10,760	98,372

Source : TRAI Quarterly revenue Report

Note: Data for 2018-19 received only from Airtel, Tata Maharashtra and Vodafone-Idea.

Table 7 - ARPU (In ₹)

Operator	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
AIRCEL	66	67	83	82	78	98	36	-
AIRTEL	146	143	152	158	163	150	97	64
BSNL	65	62	66	70	88	70	42	34
IDEA	117	113	126	135	143	129	86	34
JIO	-	-	-	-	-	-32	85	114
MTNL	73	63	150	175	230	133	54	85
MTS	64	65	73	101	128	119	81	-
RCOM	45	46	58	59	50	38	33	6310
TATA	87	96	112	124	139	138	100	85
UNINOR	46	43	53	56	57	46	32	24
VIDEOCON	18		27	22	25	24	-	-
VODAFONE	122	127	140	144	147	137	95	40
VODAFONE IDEA	-	-	-	-	-	-	-	75
Industry	95	96	111	118	124	111	79	71

Source : Trai Quarterly revenue Report

Note: Data for 2018-19 received only from Airtel, Tata Maharashtra and Vodafone-Idea.

VII – Telecom Revenue

Table 1 - Revenue from Telecom Services (₹ crores) (2007-2019)

Year ending	Telecom Sector *		Access Services *		Licence Fee@	Spectrum Charges@	Auction Revenue@
	Gross Revenue	Adjusted Gross Revenue	Adjusted Gross Revenue	ARPU per month (In ₹)			
2007	-	-	-	-	7037.92	2090.39	-
2008	-	-	-	-	8855.24	3055.72	-
2009	40444.66	29725.37	-	-	9511.00	3455.00	-
2010	40265.12	28829.53	23386.04	132.00	9778.52	3809.54	-
2011	45513.05	31470.63	24500.33	100.00	10286.44	3433.23	106264.73
2012	49242.99	34457.07	27408.03	97.24	11790.93	5192.30	-
2013	54283.78	35279.50	27801.94	103.66	11456.48	5679.19	1722.24
2014	60716.21	41016.13	31922.39	115.28	12955.00	6883.67	18267.18
2015	65226.73	45157.78	35938.26	121.81	12358.00	17841.93**	-
2016	68335.39	48379.00	39885.55	126.91	15771.00	-	-
2017	63315.18	40831.33	31594.91	89.34	15615.00	-	-
2018	62198.26	35697.24	25448.09	71.62	13262.00	-	-
2019	58414.00	35932.00	26095.71	72.49	11132.00#	-	-

- : Not Available

** : Including Auction Fee

Is not Complete as the final will be available after closure of accounts in m/o September 2019

Source- * : Performance Indicator Reports of TRAI

@ : Annual Reports of DOT

Table 2 - Composition of ARPU per month and %age Share of Revenue - Wireless Service (In ₹)

S.No.	Item	2019	
		Wireless Services (In ₹)	%age share
1	Rental Revenue	31.13	36.75
2	Revenue from Call	10.27	12.13
3	Revenue from SMS	0.87	1.03
4	Revenue from data usage	36.38	42.95
5	Revenue from VAS	2.53	2.99
6	Other Revenue	2.14	2.53
7	Revenue from Out roamers (Outside HAS)	1.38	1.63
8	Total Revenue from subscribers	84.70	100.00

Source: TRAI - Performance Indicators Report

FIG 2 - %AGE SHARE OF REVENUE (WIRELESS SERVICES)

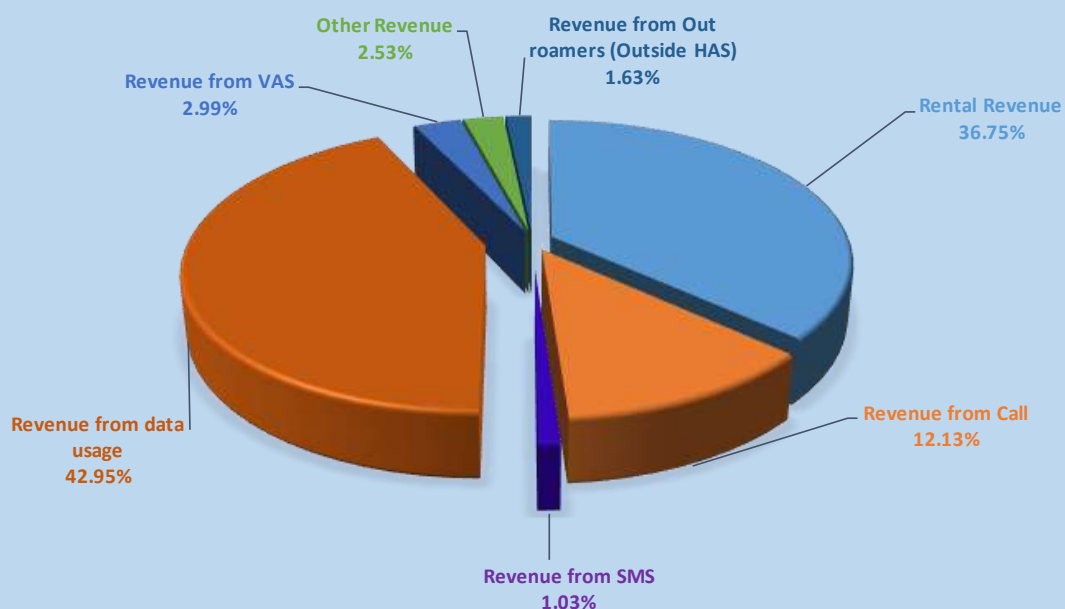


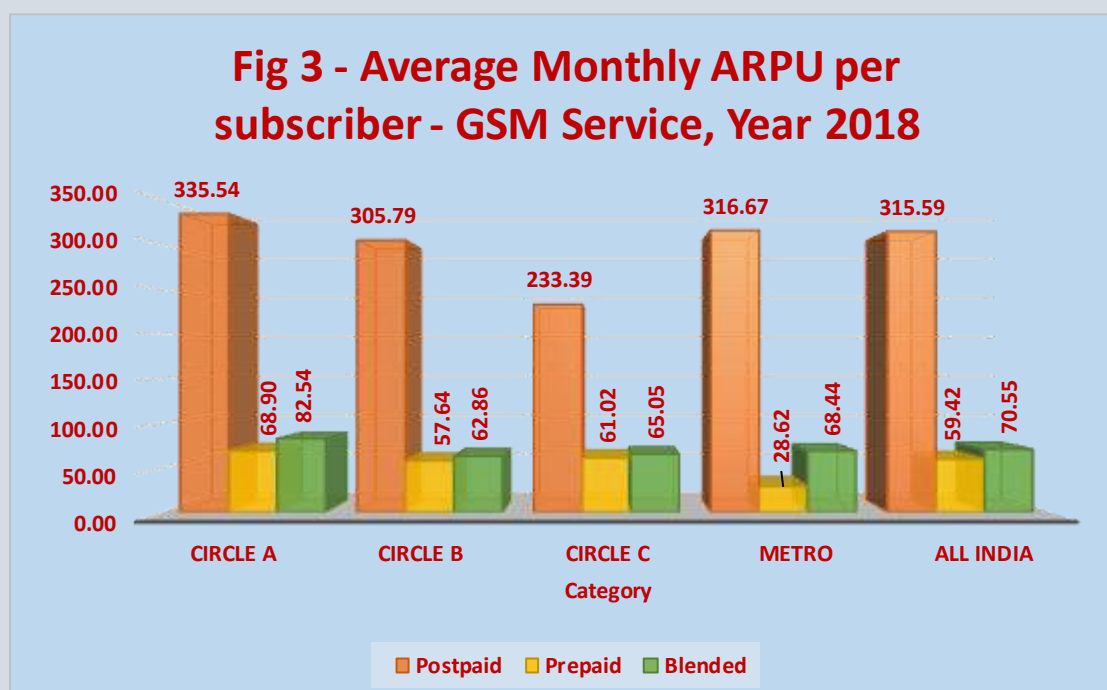
Table 3 - Average Revenue Per User (ARPU) per month (₹)

Category	Postpaid		Prepaid		Blended	
	2017	2018	2017	2018	2017	2018
Circle A	403.30	335.54	73.82	68.90	92.02	82.54
Circle B	387.04	305.79	67.54	57.64	75.28	62.86
Circle C	308.15	233.39	66.96	61.02	72.65	65.05
Metro	365.20	316.67	41.70	28.62	84.69	68.44
All India	381.33	315.59	67.22	59.42	81.69	70.55

Note: Categories assigned to circles' have been defined in Annexure-II

Source: TRAI, Yearly Performance Indicators of Indian Telecom Sector - 2018.

Fig 3 - Average Monthly ARPU per subscriber - GSM Service, Year 2018



*VIII – Base Transceiver
Stations (BTS) &
Telecom Tower Count
for the country*

Table 1 - LSA-wise Total Towers Count

Sl. No.	License Service Area	As on 12 July 2019				
		Ground based	Roof based	Cell On-Wheels	Others (LPBTS & Wall-mount)	Total Towers
1	Andhra Pradesh	23689	13573	262	6072	43596
2	Assam	10509	1860	42	445	12856
3	Bihar	29868	4299	88	5762	40017
4	Chennai	3582	7966	30	615	12193
5	Delhi	3438	17446	663	5216	26763
6	Gujarat	22114	8578	194	2691	33577
7	Himachal Pradesh	5095	727	14	987	6823
8	Haryana	8914	2339	122	1453	12828
9	Jammu & Kashmir	7549	930	136	966	9581
10	Karnataka	20045	11767	95	4371	36278
11	Kolkata	2839	7041	12	3225	13117
12	Kerala	11517	5107	94	766	17484
13	Mumbai	1777	11367	94	3363	16601
14	Maharashtra	24624	14345	386	3496	42851
15	Madhya Pradesh	31506	5887	306	3891	41590
16	North-East	6750	1145	30	310	8235
17	Odisha	15622	1829	119	419	17989
18	Punjab	11037	6892	277	2078	20284
19	Rajasthan	23535	4031	317	2487	30370
20	Tamil Nadu	22657	7005	46	1465	31173
21	Uttar Pradesh (East)	27495	5476	179	960	34110
22	Uttar Pradesh(West)	21532	4410	225	3072	29239
23	West Bengal	19423	2278	119	787	22607
Grand Total		355117	146298	3850	54897	560162

Source: TERM Cell, DoT

Table - 2 LSA-wise Total Base Transceivers Stations

Sl. No.	License Service Area	As on 12 July 2019			
		2G-GSM	3G	4G-LTE	Total BTSs
1	Andhra Pradesh	35854	23775	97441	157070
2	Assam	14010	7044	25135	46189
3	Bihar	28139	13822	78687	120648
4	Chennai	13965	10683	26638	51286
5	Delhi	22680	22892	59754	105326
6	Gujarat	30552	24825	85231	140608
7	Himachal Pradesh	5551	3436	13392	22379
8	Haryana	10603	9351	30726	50680
9	Jammu & Kashmir	8855	5570	22171	36596
10	Karnataka	36246	22437	88439	147122
11	Kolkata	12342	11731	26599	50672
12	Kerala	24610	21151	53979	99740
13	Mumbai	14922	9071	38579	62572
14	Maharashtra	41826	31934	104347	178107
15	Madhya Pradesh	31897	17343	90961	140201
16	North-East	9584	4463	15851	29898
17	Odisha	17236	7707	34993	59936
18	Punjab	17979	15328	48850	82157
19	Rajasthan	26990	19062	72427	118479
20	Tamil Nadu	33463	21619	71571	126653
21	Uttar Pradesh (East)	34619	22265	87896	144780
22	Uttar Pradesh(West)	27043	19277	71684	118004
23	West Bengal	22684	13372	55065	91121
Grand Total		521650	358158	1300416	2180224

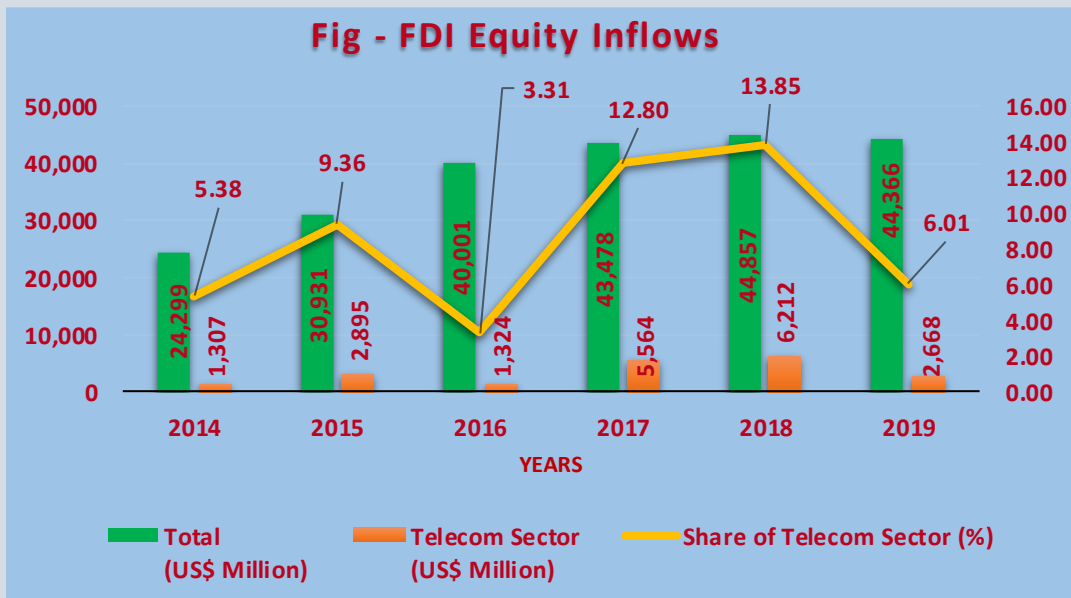
Source: TERM Cell, DoT

IX – Foreign Direct Investment (FDI)

Table - 1 FDI EQUITY INFLOWS (2001-2019)

Year	Total (US\$ Million)	Telecom Sector (US\$ Million)	Share of Telecom Sector (%)
2001	2463	178	7.21
2002	4065	873	21.48
2003	2705	192	7.08
2004	2188	86	3.95
2005	3,219	118	3.68
2006	5,540	618	11.15
2007	12,492	477	3.82
2008	24,575	1,261	5.13
2009	31,396	2,549	8.12
2010	25,834	2,539	9.83
2011	21,383	1,664	7.78
2012	35,121	1,997	5.69
2013	22,423	304	1.36
2014	24,299	1,307	5.38
2015	30,931	2,895	9.36
2016	40,001	1,324	3.31
2017	43,478	5,564	12.80
2018	44,857	6,212	13.85
2019	44,366	2,668	6.01

Source - DIPIIT



**Table 2 - Country-wise FDI Inflow(in Million US\$) from 2000-2018 (January-December)
2019 (January-March): Top Twenty Countries and their %age share**

S.No.	Country	2000-2012	2013	2014	2015	2016	2017	2018	2019
1	Mauritius	71,808.95 (.83%)	5,722.39 (.44%)	7,073.12 (.4%)	9,242.80 (.38%)	15069.46 (.48%)	16,256.73 (.57%)	4086.61 (.14%)	2,060.87 (18.95%)
2	Singapore	18,792.56 (.22%)	3,874.14 (.3%)	7,092.38 (.4%)	13,414.32 (.55%)	9822.18 (.32%)	10,808.82 (.38%)	9486.01 (.33%)	3,251.74 (29.9%)
3	Japan	14,019.20 (.16%)	1,420.73 (.11%)	2,335.02 (.13%)	1,739.42 (.07%)	5781.17 (.19%)	1,722.89 (.06%)	1221.62 (.04%)	754.37 (6.94%)
4	United Kingdom	17,103.65 (.2%)	3,606.48 (.28%)	1,096.32 (.06%)	920.45 (.04%)	1660.86 (.05%)	936.74 (.03%)	775.09 (.03%)	295.08 (2.71%)
5	Netherlands	8,468.13 (.1%)	2,112.94 (.16%)	3,253.58 (.19%)	3,003.32 (.12%)	2996.17 (.1%)	3,250.52 (.11%)	1253.49 (.04%)	919.54 (8.46%)
6	USA	11,111.90 (.13%)	771.90 (.06%)	1,663.45 (.09%)	3,855.07 (.16%)	2621.22 (.08%)	2,183.16 (.08%)	698.35 (.02%)	796.58 (7.33%)
7	Germany	5,133.46 (.06%)	1,014.86 (.08%)	1,151.57 (.07%)	1,144.47 (.05%)	1102.76 (.04%)	1,173.69 (.04%)	280.18 (.01%)	287.91 (2.65%)
8	Cyprus	6,799.76 (.08%)	469.60 (.04%)	657.39 (.04%)	517.52 (.02%)	667.4 (.02%)	377.02 (.01%)	123.54 (.%)	7.92 (.07%)
9	France	3,407.21 (.04%)	441.37 (.03%)	612.07 (.03%)	428.77 (.02%)	650.19 (.02%)	651.74 (.02%)	115.49 (.%)	50.56 (.46%)
10	UAE	2,362.04 (.03%)	283.94 (.02%)	279.28 (.02%)	521.88 (.02%)	1196.82 (.04%)	689.02 (.02%)	508.37 (.02%)	598.20 (5.5%)
11	Switzerland	2,316.32 (.03%)	282.19 (.02%)	367.89 (.02%)	270.54 (.01%)	433.46 (.01%)	509.25 (.02%)	248.81 (.01%)	150.74 (1.39%)
12	Hongkong	1,021.03 (.01%)	176.99 (.01%)	90.34 (.01%)	567.60 (.02%)	185.11 (.01%)	999.08 (.04%)	201.8 (.01%)	46.48 (.43%)
13	South Korea	1,215.66 (.01%)	165.42 (.01%)	136.60 (.01%)	244.31 (.01%)	434.86 (.01%)	362.60 (.01%)	547.91 (.02%)	133.54 (1.23%)
14	Cayman Islands	868.47 (.01%)	31.70 (.%)	121.68 (.01%)	237.96 (.01%)	328.01 (.01%)	984.43 (.03%)	270 (.01%)	389.70 (3.58%)
15	Spain	1,412.48 (.02%)	362.03 (.03%)	256.52 (.01%)	139.60 (.01%)	153.8 (.%)	264.50 (.01%)	178.2 (.01%)	28.99 (.27%)
16	Italy	1,242.50 (.01%)	174.50 (.01%)	231.59 (.01%)	234.57 (.01%)	461.94 (.01%)	323.69 (.01%)	70.55 (.%)	44.97 (.41%)
17	Luxembourg	459.10 (.01%)	72.09 (.01%)	634.09 (.04%)	780.96 (.03%)	213.15 (.01%)	281.66 (.01%)	195.94 (.01%)	29.08 (.27%)
18	China	240.89 (.%)	72.15 (.01%)	140.79 (.01%)	868.99 (.04%)	288.85 (.01%)	165.28 (.01%)	281.53 (.01%)	46.78 (.43%)
19	Canada	423.23 (.%)	12.64 (.%)	82.64 (.%)	83.19 (.%)	311.2 (.01%)	222.37 (.01%)	490 (.02%)	20.33 (.19%)
20	Sweden	981.55 (.01%)	47.73 (.%)	51.93 (.%)	105.59 (.%)	84.51 (.%)	159.98 (.01%)	54.57 (.%)	24.66 (.23%)
Total FDI		1,94,362.30	22,037.56	28,784.62	39,327.93	46,402.85	43,574.79	21,667.59	10,873.98

Source : DIPIIT FDI NEWSLETTER VOL. XXVII No. 7 - APRIL, 2019 (Erstwhile SIA FDI Newsletter)

**Table 3 - Sector-wise FDI Inflow(in Million US\$) from 2000-2018 (January-December) 2019 (January-March):
Top Ten Sectors and their %age share**

S.No.	Sector	2000-2012	2013	2014	2015	2016	2017	2018	2019
1	Computer Software & Hardware	11,642.16 (.13%)	613.64 (.05%)	1,557.18 (.09%)	6,630.72 (.27%)	2412.28 (.08%)	6,993.81 (.25%)	2404.76 (.08%)	1,418.76 (13.05%)
2	Telecommunications	12,625.27 (.15%)	315.02 (.02%)	3,894.98 (.22%)	1,297.00 (.05%)	5791.53 (.19%)	6,160.52 (.22%)	1669.3 (.06%)	375.46 (3.45%)
3	Service Sector	36,468.97 (.42%)	2,376.27 (.18%)	2,931.37 (.17%)	6,405.42 (.26%)	10184.23 (.33%)	5,751.50 (.2%)	4520.8 (.16%)	2,570.24 (23.64%)
4	Construction Activities (Infrastructure)	21,834.47 (.25%)	1,159.74 (.09%)	1,018.66 (.06%)	166.99 (.01%)	106.7 (.)	387.39 (.01%)	191.42 (.01%)	432.47 (3.98%)
5	Trading	3,651.97 (.04%)	711.64 (.05%)	2,855.17 (.16%)	3,549.04 (.14%)	3128.75 (.1%)	2,611.98 (.09%)	3699.11 (.13%)	1,426.86 (13.12%)
6	Automobile Industry	7,717.94 (.09%)	1,604.95 (.12%)	2,227.68 (.13%)	2,924.67 (.12%)	2199.81 (.07%)	1,895.08 (.07%)	877.42 (.03%)	540.53 (4.97%)
7	Chemicals(other than Fertilizers)	8,769.86 (.1%)	612.18 (.05%)	839.88 (.05%)	1,416.87 (.06%)	1055.5 (.03%)	1,746.40 (.06%)	957.6 (.03%)	164.22 (1.51%)
8	Power	7,866.91 (.09%)	559.51 (.04%)	1,092.67 (.06%)	781.49 (.03%)	1179.66 (.04%)	1,529.71 (.05%)	1212.07 (.04%)	97.73 (.9%)
9	Non-conventional Energy	1,951.77 (.02%)	928.07 (.07%)	610.37 (.03%)	695.03 (.03%)	870.4 (.03%)	1,200.30 (.04%)	582.9 (.02%)	230.05 (2.12%)
10	Drug & Pharmaceuticals	9,824.60 (.11%)	1,800.38 (.14%)	1,229.33 (.07%)	633.80 (.03%)	1089.76 (.03%)	1,048.70 (.04%)	243.48 (.01%)	48.41 (.45%)
Total FDI		1,94,362.30	22,037.56	28,784.62	39,327.93	46,402.85	43,574.79	21,667.59	10,873.98

Source : DIPIIT FDI NEWSLETTER VOL. XXVII No. 8 - APRIL, 2019 (Erstwhile SIA FDI Newsletter)

X – Exports - Imports

Table 1 - Indian Export -Import Composition**Composition of Exports**

Year	Total Electronics* (In Million US\$)	TELECOM INSTRUMENTS (In Million US\$)	% Growth of Total Electronics	% Growth of TELECOM INSTRUMENTS	% Share of Telecom Instruments
2010-11	8214	3376	89.9	50.7	41.1
2011-12	8848	3986	7.7	18.1	45.0
2012-13	8053	3640	-9.0	-8.7	45.2
2013-14	7635	3057	-5.2	-16.0	40.0
2014-15	6009	1073	-21.3	-64.9	17.9
2015-16	5690	876	-5.3	-18.4	15.4
2016-17	5689	1044	0.0	19.2	18.4
2017-18	6072	1203	6.7	15.2	19.8
2018-19	8393	2706	38.2	125.0	32.2

Composition of Imports

Year	Total Electronics* (In Million US\$)	TELECOM INSTRUMENTS (In Million US\$)	% Growth of Total Electronics	% Growth of TELECOM INSTRUMENTS	% Share of Telecom Instruments
2010-11	27950	11449	33.6	25.8	41.0
2011-12	34130	11165	22.1	-2.5	32.7
2012-13	32893	10129	-3.6	-9.3	30.8
2013-14	32384	11220	-1.5	10.8	34.6
2014-15	36857	14697	13.8	31.0	39.9
2015-16	40022	15403	8.6	4.8	38.5
2016-17	41930	16572	4.8	7.6	39.5
2017-18	51541	21848	22.9	31.8	42.4
2017-18	55471	17917	7.6	-18.0	32.3

*Total Electronics includes: 1. Computer Hardware & Peripherals, 2. Consumer Electronics, 3. Electronics Components, 4. Electronics Instruments

Source - DGCIS

Table 2 - India's Exports By Telecom Equipment* From April 2018 To March 2019

S.No.	Hs Code	Commodity	Unit	April 2018 To March 2019 Qty	April 2018 To March 2019 Value (₹)	April 2018 To March 2019 Value (US\$)
1	85171110	PUSH BUTTON TYPE	NOS	52631	45110241	638553
2	85171190	OTHERS	NOS	121400	355034685	5049695
3	85171210	PUSH BUTTON TYPE	NOS	1033644	1026181409	14577704
4	85171290	OTHER	NOS	16658991	112932966464	1602167849
5	85171810	PUSH BUTTON TYPE	NOS	35144	21389252	308880
6	85171890	OTHER	NOS	839812	614982671	8819434
7	85176100	BASE STATIONS	NOS	4340	160805794	2358079
8	85176210	PLCC EQUIPMENT	NOS	20879	349190634	5044369
9	85176220	VOICE FREQUENCY TELEGRAPHY	NOS	1515	18707021	266956
10	85176230	MODEMS (MODULATORS-DEMODULATORS)	NOS	223181	317832103	4616948
11	85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	NOS	25	741860	10649
12	85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	NOS	783	22188531	324912
13	85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	NOS	4309	254976238	3616284
14	85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	NOS	15805	1020827627	14547851
15	85176290	OTHER	NOS	1837145	42687146543	612026169
16	85176910	ISDN TERMINALS	NOS	82	52533182	791021
17	85176920	ISDN TERMINAL ADAPTERS	NOS	1948	9288944	132648
18	85176930	ROUTERS	NOS	253764	766008509	10953351
19	85176950	SUBSCRIBER END EQUIPMENT	NOS	3885	9491861	134342
20	85176960	SET TOP BOXES FOR ACCESSING INTERNET	NOS	78909	62565550	892021
21	85176970	ATTACHMENTS FOR TELEPHONES	NOS	6647	35255566	507770
22	85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	NOS	1800241	2628942670	37621546
23	85177010	POPLTD, LOADED OR STUFFD PRNTD CRUIT BRDS	NOS	4163256	5101930270	73261533
24	85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	KGS	3842461	12934882734	186101912
25	85256011	WALKIE TALKIE SET	NOS	1688	42462295	602421
26	85256012	MARINE RADIO COMMUNICATION EQPMNT	NOS	4	2081884	29486
27	85256019	CORDLESS HANDSET	NOS	688	84056615	1189390
28	85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	NOS	34	6134775	90717
29	85256099	OTHERS	NOS	2990	36065304	523568
30	85441930	RUBBER INSULATED WINDING WIRE	MTR	218639	84578933	1200888
31	85444910	PAPR INSLTD CNDCTRS FR <=1000 V NOT FITTED WITH CONNECTORS	MTR	86738	29851058	427034
32	85444920	PLSTIC INSLTD CNDCTRS FR <= 1000V NOT FITTED WITH CONNECTORS	MTR	40426605	9228942385	132068352
33	85444930	RUBBER INSLTD CNDCTRS FR <= 1000V USED FOR NOT FITTED WITH	MTR	3572921	1007458728	14444213
34	85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	20177	9140222	138004
35	85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	5853756	360901942	5117240
36	85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	7495	2254053	32141
37	85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	MTR	49128687	4918127617	70403090
38	90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	KGS	13252271	18932312015	271667357
39	90304000	OTHR INSTRMNTS AND APRTS,SPCLY DSGND FR TELECOMMUNICATIO	NOS	7490	1265534354	18236264
Total				143580980	217438882539	3100940641

Source: DGCI&S * - Calculated by Economic Division, DoT based on Commodity Description at 8 Digit HS code

Table 3 - India's Imports of Telecom Equipment* From April 2018 To March 2019

S.No.	Hs Code	Commodity	Unit	April 2018 To March 2019 Qty	April 2018 To March 2019 Value (₹)	April 2018 To March 2019 Value (US\$)
1	85171110	PUSH BUTTON TYPE	NOS	635484	381395652	5439800
2	85171190	OTHERS	NOS	916786	843751197	12078157
3	85171210	PUSH BUTTON TYPE	NOS	14753052	27355476091	400710576
4	85171290	OTHER	NOS	12226324	85686975119	1220880940
5	85171810	PUSH BUTTON TYPE	NOS	144809	139322165	1980917
6	85171890	OTHER	NOS	664530	1632830339	23478064
7	85176100	BASE STATIONS	NOS	81647	3058335846	44221781
8	85176210	PLCC EQUIPMENT	NOS	10152	380346025	5453934
9	85176220	VOICE FREQUENCY TELEGRAPHY	NOS	2619	68988085	998976
10	85176230	MODEMS (MODULATORS-DEMODULATORS)	NOS	3351352	3014619826	43436446
11	85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	NOS	1603	112697814	1623329
12	85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	NOS	1997	130377574	2187122
13	85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	NOS	18102	441874208	6357160
14	85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	NOS	69221	632193474	9105192
15	85176290	OTHER	NOS	43052118	371675762747	5353321178
16	85176910	ISDN TERMINALS	NOS	2420	145185822	2072499
17	85176920	ISDN TERMINAL ADAPTERS	NOS	1149	19092062	272180
18	85176930	ROUTERS	NOS	5643172	29246695418	420321194
19	85176950	SUBSCRIBER END EQUIPMENT	NOS	1884504	3208524334	45551808
20	85176960	SET TOP BOXES FOR ACCESSING INTERNET	NOS	1148956	2911269563	42674964
21	85176970	ATTACHMENTS FOR TELEPHONES	NOS	265413	270188628	3883716
22	85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	NOS	6827713	36911076597	528482670
23	85177010	POPLTD, LOADED OR STUFFD PRNTD CRUIT BRDS	NOS	300704265	146863656268	2128059622
24	85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	KGS	55844743	462209533370	6613115298
25	85256011	WALKIE TALKIE SET	NOS	172070	1642723343	23435555
26	85256012	MARINE RADIO COMMUNICATION EQPMNT	NOS	278	19856019	284161
27	85256019	CORDLESS HANDSET	NOS	13899	333600870	4816731
28	85256091	VSAT TERMINALS	NOS	2386	31578690	440851
29	85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	NOS	6346	880335136	12755785
30	85256099	OTHERS	NOS	9595	198269882	2846919
31	85441930	RUBBER INSULATED WINDING WIRE	MTR	197970	10824469	155406
32	85444910	PAPR INSLTD CNDCTRS FR <=1000 V NOT FITTED WITH CONNECTORS	MTR	147204	11364514	161751
33	85444920	PLSTIC INSLTD CNDCTRS FR <= 1000V NOT FITTED WITH CONNECTORS	MTR	38755519	2478843693	35631585
34	85444930	RUBBER INSLTD CNDCTRS FR <= 1000V USED FOR NOT FITTED WITH	MTR	20283729	736780688	10572560
35	85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	172554	29169479	416535
36	85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	57384955	1311270415	18884107
37	85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	323506	19985273	284685
38	85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	MTR	775980375	17528325001	251066060
39	90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	KGS	5632156	12749287610	181370140
40	90304000	OTHR INSTRMNTS AND APRTS,SPCLY DSGND FR TELECOMMUNICATIO	NOS	64304	12758377454	182751065
Total				1347398977	1228100760760	17641581419

Source: DGCIS * - Calculated by Economic Division, DoT based on Commodity Description at 8 Digit HS code

XI – International Comparison

Table 1 - Fixed-telephone Subscriptions International Comparisons (2005-2018)

										(In Million)
Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	1243	570	673	50	10	30	559	52	285	291
2006	1261	565	696	41	11	31	577	56	286	284
2007	1254	546	708	39	11	33	579	58	278	278
2008	1249	544	705	38	12	35	567	59	275	287
2009	1254	562	692	37	13	34	571	60	282	277
2010	1229	553	676	35	12	35	553	60	278	274
2011	1202	540	661	33	12	35	537	59	272	269
2012	1179	527	653	31	11	35	528	58	265	266
2013	1142	516	626	29	10	33	504	56	262	259
2014	1095	503	592	27	10	30	476	55	256	252
2015	1046	489	556	26	10	30	439	52	250	249
2016	1007	479	528	24	11	31	411	49	246	245
2017	979	471	509	23	9	33	395	48	241	239
2018	942	463	479	22	10	33	369	46	238	233

Source- ITU Website

**Estimated*

Table 2 - Fixed-telephone Subscriptions per 100 Inhabitants International Comparisons (2005-2018*)

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	19	47	13	4	1	9	15	23	44	33
2006	19	47	13	3	2	10	15	25	44	32
2007	19	45	13	3	2	10	15	25	42	31
2008	19	44	13	3	2	10	15	26	42	31
2009	18	46	12	3	2	10	15	26	43	30
2010	18	45	12	3	1	10	14	26	42	29
2011	17	43	12	3	1	10	14	26	41	28
2012	17	42	11	2	1	9	13	25	40	28
2013	16	41	11	2	1	9	13	24	39	27
2014	15	40	10	2	1	8	12	23	38	26
2015	14	39	9	2	1	8	11	22	37	25
2016	14	38	9	2	1	8	10	20	37	25
2017	13	38	8	2	1	8	9	20	36	24
2018*	12	37	8	2	1	8	9	19	35	23

Source- ITU Website

**Estimated*

Table 3 - Mobile Cellular Subscriptions International Comparisons (millions) (2005-2018)

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	2205	992	1213	90	87	84	833	135	581	459
2006	2745	1127	1618	166	129	125	1074	177	661	552
2007	3368	1243	2125	234	174	173	1398	209	735	649
2008	4030	1325	2705	347	246	213	1773	254	771	741
2009	4640	1383	3257	525	298	263	2164	297	771	809
2010	5290	1404	3887	752	366	312	2625	318	761	881
2011	5890	1406	4483	894	441	352	3029	300	783	952
2012	6261	1443	4817	865	510	382	3234	306	800	995
2013	6661	1479	5183	886	581	408	3463	319	814	1043
2014	6996	1527	5468	944	644	415	3681	323	809	1093
2015	7181	1563	5618	1001	714	417	3778	329	807	1103
2016	7511	1587	5924	1128	714	416	4094	332	810	1114
2017	7814	1594	6220	1169	744	423	4351	333	811	1120
2018	8160	1616	6545	1176	781	436	4626	331	815	1140

Source- ITU Website

Table 4 - Mobile-Cellular Subscriptions per 100 Inhabitants International Comparisons (2005-2018*)

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	34	82	23	8	12	27	23	59	89	52
2006	42	93	30	14	18	39	29	77	101	62
2007	51	102	39	20	24	53	37	91	112	72
2008	60	108	49	29	32	63	47	110	117	81
2009	68	112	58	43	38	76	56	129	117	87
2010	77	113	69	61	44	88	67	137	115	94
2011	84	113	78	71	52	96	77	129	118	101
2012	88	116	83	68	58	102	81	130	120	104
2013	93	118	88	69	65	107	86	135	122	108
2014	97	122	91	73	70	106	90	136	121	112
2015	97	125	92	76	75	105	92	138	120	112
2016	101	127	95	85	73	102	99	139	121	112
2017	104	127	99	87	74	102	104	138	120	112
2018*	107	128	103	87	76	103	110	137	120	113

Source- ITU Website

**Estimated*

Table 5 - Fixed Broadband Subscriptions International Comparisons (2005-2018)

(In Million)										
Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	220	148	71	1	0	1	80	2	66	66
2006	284	188	96	2	0	2	103	3	90	81
2007	346	219	127	3	1	3	122	5	113	98
2008	411	250	161	5	1	4	151	10	128	112
2009	468	271	197	8	1	6	183	15	140	120
2010	526	291	236	11	1	7	214	19	151	134
2011	598	313	285	13	2	9	253	23	160	146
2012	649	328	321	15	2	11	279	27	167	155
2013	692	343	349	15	3	12	299	31	175	164
2014	731	354	377	16	4	14	318	33	181	171
2015	839	370	469	17	4	17	404	37	190	182
2016	916	383	533	19	5	19	459	39	197	190
2017	1005	397	608	18	6	20	525	43	204	199
2018	1075	413	661	18	6	22	573	46	212	208

Source- ITU Website

**Estimated*

Table 6 - Fixed Broadband Subscriptions per 100 Inhabitants International Comparisons (2005-2018*)

Year ending	World	Developed	Developing	India	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	3	12	1	0	0	0	2	1	10	7
2006	4	15	2	0	0	1	3	1	14	9
2007	5	18	2	0	0	1	3	2	17	11
2008	6	20	3	0	0	1	4	5	19	12
2009	7	22	4	1	0	2	5	7	21	13
2010	8	23	4	1	0	2	5	8	23	14
2011	9	25	5	1	0	2	6	10	24	15
2012	9	26	6	1	0	3	7	12	25	16
2013	10	27	6	1	0	3	7	13	26	17
2014	10	28	6	1	0	4	8	14	27	18
2015	11	30	8	1	0	4	10	15	28	18
2016	12	31	9	1	1	5	11	16	29	19
2017	13	32	10	1	1	5	13	18	30	20
2018*	14	33	10	1	1	5	14	19	31	21

Source- ITU Website

**Estimated*

Table 7 - Individuals using the internet (2005-2018)

(In Million)										
Year ending	World	Developed	Developing	India [@]	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	1024	617	407	6	15	26	345	26	279	318
2006	1147	651	496	8	19	33	395	33	302	348
2007	1367	723	645	41	24	46	505	43	343	387
2008	1547	753	794	77	30	55	616	49	372	405
2009	1729	776	953	131	37	65	728	56	395	428
2010	1991	824	1167	194	54	84	873	94	410	456
2011	2184	841	1343	401	68	93	989	111	419	483
2012	2424	898	1526	472	85	106	1110	139	434	526
2013	2631	923	1708	165	107	120	1239	153	447	541
2014	2880	947	1933	252	132	135	1397	163	461	567
2015	3170	952	2218	302	164	151	1552	174	472	612
2016	3417	990	2427	343	190	162	1697	183	490	637
2017	3650	1004	2646	422	213	173	1813	191	501	662
2018	3896	1028	2868	494	N/A	N/A	N/A	N/A	N/A	N/A

Source- ITU Website, (@TRAJ) **Estimated*

Table 8 - Individuals using the internet per 100 Inhabitants (2005 -2018*)

Year ending	World	Developed	Developing	India [@]	Africa	Arab States	Asia & Pacific	CIS	Europe	The Americas
2005	16	51	8	1	2	8	9	11	43	36
2006	18	53	9	1	3	12	11	14	46	39
2007	21	59	12	4	3	14	13	19	52	43
2008	23	61	14	7	4	19	16	21	57	44
2009	25	63	17	11	5	21	19	24	60	46
2010	29	67	21	16	7	24	22	36	63	49
2011	31	68	23	34	8	27	25	43	65	51
2012	34	72	26	39	10	30	28	54	67	55
2013	37	74	29	13	12	33	31	59	71	56
2014	40	76	32	20	14	36	34	62	72	58
2015	43	76	36	24	18	40	38	63	74	62
2016	46	79	39	27	20	43	41	66	76	65
2017	49	80	42	33	22	49	44	69	77	68
2018*	51	81	45	38	24	55	47	71	80	70

Source- ITU Website, (@TRAJ) **Estimated*

**Table 9 - ICT Development Index (IDI 2017) -
India's Profile at a Glance**

Region	Asia-Pacific Developing	Population (in million)	1297.07
GNI per capita	1680	Population density (per 100 inhabitants)	409.58
IDI 2017 Rank	134/176	IDI 2016 Rank	138
IDI 2017 value	3.03	IDI 2016value	2.65
Regional IDI 2017 Rank	25		
IDI ACCESS SUB-INDEX	3.6	IDI USE SUB-INDEX	1.62
Fixed -telephohone subscription per 100 inhabitants	1.88	Percentage of individuals using the Internet	29.55
		Fixed(wired)-broadband subscriptions per 100 inhabitants	1.44
Mobile-cellular telephone subscriptions per 100	86.95	Active mobile -broadband subscriptions per 100 inhabitants	16.76
International internet bandwidth per Internet user (Bit/s	15956.28		
Poercentage of households with computer	15.2	IDI SKILLS SUB-INDEX	4.73
Percentage of households with Internet access	22.64	Mean years of schooling	6.3
		Secondary gross enrolment ratio	74.28
		Tertiary gross enrolment ratio	25.54

Source : ITU

Table 10 - IDI rankings and values, 2017 and 2016

S.No.	Economy	Rank 2017	IDI 2017	Rank 2016	IDI 2016
1	Iceland	1	8.98	2	8.78
2	Korea (Rep.)	2	8.85	1	8.8
3	Switzerland	3	8.74	4	8.66
4	Denmark	4	8.71	3	8.68
5	United Kingdom	5	8.65	5	8.53
6	Hong Kong, China	6	8.61	6	8.47
7	Netherlands	7	8.49	10	8.4
8	Norway	8	8.47	7	8.45
9	Luxembourg	9	8.47	9	8.4
10	Japan	10	8.43	11	8.32
11	Sweden	11	8.41	8	8.41
12	Germany	12	8.39	13	8.2
13	New Zealand	13	8.33	12	8.23
14	Australia	14	8.24	16	8.08
15	France	15	8.24	17	8.05
16	United States	16	8.18	15	8.13
17	Estonia	17	8.14	14	8.16
18	Singapore	18	8.05	20	7.85
19	19. Monaco	19	8.05	18	8.03
20	Ireland	20	8.02	19	7.9
21	Austria	21	8.02	24	7.7
22	Finland	22	7.88	21	7.83
23	Israel	23	7.88	22	7.71
24	Malta	24	7.86	25	7.65
25	Belgium	25	7.81	23	7.7
26	Macao, China	26	7.8	29	7.55
27	Spain	27	7.79	27	7.61
28	Cyprus	28	7.77	31	7.3
29	Canada	29	7.77	26	7.64
30	Andorra	30	7.71	28	7.58
31	Bahrain	31	7.6	30	7.46
32	Belarus	32	7.55	32	7.29
33	Slovenia	33	7.38	33	7.2
34	Barbados	34	7.31	37	7.11
35	Latvia	35	7.26	40	7.05
36	Croatia	36	7.24	42	6.96
37	St. Kitts and Nevis	37	7.24	35	7.18
38	Greece	38	7.23	38	7.08
39	Qatar	39	7.21	36	7.12
40	United Arab Emirates	40	7.21	34	7.18
41	Lithuania	41	7.19	41	6.97
42	Uruguay	42	7.16	48	6.75
43	Czech Republic	43	7.16	39	7.06
44	Portugal	44	7.13	44	6.88
45	Russian Federation	45	7.07	43	6.91
46	Slovakia	46	7.06	47	6.84
47	Italy	47	7.04	46	6.84
48	Hungary	48	6.93	49	6.74
49	Poland	49	6.89	50	6.73
50	Bulgaria	50	6.86	53	6.66

Source: ITU

Contd....

Table 10 - IDI rankings and values, 2017 and 2016

<i>Contd...</i>					
S.No.	Economy	Rank 2017	IDI 2017	Rank 2016	IDI 2016
51	Argentina	51	6.79	52	6.68
52	Kazakhstan	52	6.79	51	6.72
53	Brunei Darussalam	53	6.75	54	6.56
54	Saudi Arabia	54	6.67	45	6.87
55	Serbia	55	6.61	55	6.51
56	Chile	56	6.57	59	6.28
57	Bahamas	57	6.51	58	6.29
58	Romania	58	6.48	61	6.23
59	Moldova	59	6.45	63	6.21
60	Costa Rica	60	6.44	57	6.29
61	Montenegro	61	6.44	56	6.3
62	Oman	62	6.43	64	6.14
63	Malaysia	63	6.38	62	6.22
64	Lebanon	64	6.3	65	6.09
65	Azerbaijan	65	6.2	60	6.25
66	Brazil	66	6.12	67	5.89
67	Turkey	67	6.08	72	5.66
68	Trinidad & Tobago	68	6.04	71	5.71
69	TFYR Macedonia	69	6.01	68	5.88
70	Jordan	70	6	66	5.97
71	Kuwait	71	5.98	70	5.75
72	Mauritius	72	5.88	75	5.51
73	Grenada	73	5.8	77	5.39
74	Georgia	74	5.79	73	5.59
75	Armenia	75	5.76	74	5.56
76	Antigua & Barbuda	76	5.71	76	5.48
77	Dominica	77	5.69	69	5.76
78	Thailand	78	5.67	79	5.31
79	Ukraine	79	5.62	78	5.31
80	China	80	5.6	83	5.17
81	Iran (I.R.)	81	5.58	85	5.04
82	St. Vincent & the Grenadines	82	5.54	80	5.27
83	Bosnia and Herzegovina	83	5.39	81	5.23
84	Colombia	84	5.36	84	5.12
85	Maldives	85	5.25	86	4.97
86	Venezuela	86	5.17	82	5.22
87	Mexico	87	5.16	90	4.87
88	Suriname	88	5.15	94	4.77
89	Albania	89	5.14	89	4.9
90	Seychelles	90	5.03	92	4.8
91	Mongolia	91	4.96	87	4.91
92	South Africa	92	4.96	88	4.91
93	Cape Verde	93	4.92	91	4.83
94	Panama	94	4.91	93	4.8
95	Uzbekistan	95	4.9	103	4.48
96	Peru	96	4.85	97	4.61
97	Ecuador	97	4.84	101	4.52
98	Jamaica	98	4.84	96	4.63
99	Tunisia	99	4.82	95	4.7
100	Morocco	100	4.77	98	4.57

Source: ITU

Contd....

Table 10 - IDI rankings and values, 2017 and 2016

					<i>Contd...</i>
S.No.	Economy	Rank 2017	IDI 2017	Rank 2016	IDI 2016
101	Philippines	101	4.67	100	4.52
102	Algeria	102	4.67	106	4.32
103	Egypt	103	4.63	104	4.44
104	St. Lucia	104	4.63	99	4.53
105	Botswana	105	4.59	102	4.51
106	Dominican Rep.	106	4.51	107	4.26
107	Fiji	107	4.49	105	4.34
108	Viet Nam	108	4.43	108	4.18
109	Kyrgyzstan	109	4.37	110	4.06
110	Tonga	110	4.34	109	4.13
111	Indonesia	111	4.33	114	3.85
112	Bolivia	112	4.31	115	3.84
113	Paraguay	113	4.18	111	4.02
114	Gabon	114	4.11	118	3.62
115	Libya	115	4.11	112	3.93
116	Ghana	116	4.05	113	3.88
117	Sri Lanka	117	3.91	116	3.77
118	Namibia	118	3.89	123	3.33
119	El Salvador	119	3.82	117	3.62
120	Belize	120	3.71	120	3.54
121	Bhutan	121	3.69	119	3.58
122	Timor-Leste	122	3.57	127	3.11
123	Palestine	123	3.55	122	3.42
124	Guyana	124	3.44	121	3.44
125	Guatemala	125	3.35	125	3.19
126	Syria	126	3.34	124	3.32
127	Samoa	127	3.3	129	2.95
128	Cambodia	128	3.28	128	3.04
129	Honduras	129	3.28	126	3.14
130	Nicaragua	130	3.27	132	2.85
131	Côte d'Ivoire	131	3.14	134	2.84
132	S. Tomé & Príncipe	132	3.09	131	2.91
133	Lesotho	133	3.04	130	2.94
134	India	134	3.03	138	2.65
135	Myanmar	135	3	140	2.59
136	Zimbabwe	136	2.92	133	2.85
137	Cuba	137	2.91	135	2.8
138	Kenya	138	2.91	137	2.67
139	Lao P.D.R.	139	2.91	144	2.43
140	Nepal	140	2.88	139	2.6
141	Vanuatu	141	2.81	136	2.75
142	Senegal	142	2.66	142	2.48
143	Nigeria	143	2.6	143	2.44
144	Gambia	144	2.59	145	2.43
145	Sudan	145	2.55	141	2.56
146	Zambia	146	2.54	149	2.19
147	Bangladesh	147	2.53	146	2.37
148	Pakistan	148	2.42	148	2.21
149	Cameroon	149	2.38	150	2.14
150	Mozambique	150	2.32	147	2.23

Source: ITU

Contd....

Table 10 - IDI rankings and values, 2017 and 2016

					<i>Contd...</i>
S.No.	Economy	Rank 2017	IDI 2017	Rank 2016	IDI 2016
151	Mauritania	151	2.26	152	2.08
152	Uganda	152	2.19	158	1.9
153	Rwanda	153	2.18	151	2.1
154	Kiribati	154	2.17	155	2.04
155	Mali	155	2.16	153	2.05
156	Togo	156	2.15	159	1.86
157	Solomon Islands	157	2.11	154	2.04
158	Djibouti	158	1.98	161	1.8
159	Afghanistan	159	1.95	165	1.71
160	Angola	160	1.94	156	2
161	Benin	161	1.94	157	1.92
162	Burkina Faso	162	1.9	163	1.74
163	Equatorial Guinea	163	1.86	160	1.82
164	Comoros	164	1.82	162	1.78
165	Tanzania	165	1.81	164	1.73
166	Guinea	166	1.78	166	1.71
167	Malawi	167	1.74	169	1.58
168	Haiti	168	1.72	168	1.63
169	Madagascar	169	1.68	167	1.7
170	Ethiopia	170	1.65	171	1.42
171	Congo (Dem. Rep.)	171	1.55	170	1.48
172	Burundi	172	1.48	172	1.39
173	Guinea-Bissau	173	1.48	173	1.38
174	Chad	174	1.27	174	1.06
175	Central African Rep.	175	1.04	176	0.89
176	Eritrea	176	0.96	175	0.96

Source: ITU

Table 10 A - Most dynamic countries in IDI - 2016-17

Change in access ranking			Change in access value(absolute)		
Access rank 2017	Country	Access rank change	Access rank 2017	Country	Access value change
Rankings and Values					
95	Uzbekistan	8	118	Namibia	0.57
159	Afghanistan	6	81	Iran(I.R)	0.54
36	Crotia	6	114	Gabon	0.50
88	Suriname	6	139	Lao P.D.R.	0.47
152	Uganda	6	28	Cyprus	0.47
42	Uruguay	6	111	Indonesia	0.47
139	Lao P.D.R	5	112	Bolivia	0.47
35	Latvia	5	122	Timor-Leste	0.46
135	Myanmar	5	67	Turkey	0.43
118	Namibia	5	80	China	0.42
122	Timor-Leste	5	135	Myanmar	0.42
67	Turkey	5	95	Uzbekistan	0.42
			130	Nicaragua	0.42
Access sub-index					
67	Iran(I.R)	9	87	Suriname	0.46
156	Djbouti	7	67	Iran(I.R)	0.41
139	Myanmar	5	139	Myanmar	0.39
102	Peru	5	136	Nepal	0.38
62	Malaysia	5	175	Central Afircan Rep.	0.36
61	Bahamas	5	137	India	0.36
22	Barain	5	98	Algeria	0.31
154	Togo	4	140	Lao P.D.R.	0.30
107	Libya	4	61	Bahamas	0.29
100	Ecuador	4	166	Cuba	0.28
98	Algeria	4	95	Uzbekistan	0.28
93	Jamaica	4	169	Kiribati	0.27
50	Russian Federation	4	93	Jamaica	0.27
Use sub-index,					
130	Zambia	18	109	Namibia	1.2
132	Lao P.D.R	17	97	Gabon	1.07
129	Samoa	16	21	Cyprus	0.98
97	Gabon	15	107	Bolivia	0.98
21	Cyprus	12	117	Timor-Leste	0.98
140	Nicaragua	12	115	Indonesia	0.97
134	Uganda	12	34	Uruguay	0.83
93	Uzbekistan	10	132	Lao P.D.R.	0.8
156	Togo	10	130	Zambia	0.77
109	Namibia	9	104	Iran(I.R)	0.76
55	Oman	9			

Source: ITU

Table 10 B - Highest and Lowest ranking economies by Region

Regional IDI Rank	Economy	IDI	Global IDI Rank	Regional IDI Rank	Economy	IDI	Global IDI rank
Europe				Arab States			
1	Iceland	8.98	1	1	Bahrain	7.6	31
2	Switzerland	8.74	3	2	Qatar	7.21	39
3	Denmark	8.71	4	3	United Arab Emirates	7.21	40
4	United Kingdom	8.65	5	4	Saudi Arabia	6.67	54
5	Netherlands	8.49	7	5	Oman	6.43	62
36	Montenegro	6.44	61	15	Syria	3.34	126
37	Turkey	6.08	67	16	Sudan	2.55	145
38	TFYR Macedonia	6.01	69	17	Mauritania	2.26	151
39	Bosnia and Herzegovina	5.39	83	18	Djibouti	1.98	158
40	Albania	5.14	89	19	Comoros	1.82	164
Asia and the Pacific				CIS			
1	Korea(Rep.)	8.85	2	1	Belarus	7.55	32
2	Hong Kong, China	8.61	6	2	Russian Federation	7.07	45
3	Japan	8.43	10	3	Kazakhstan	6.79	52
4	New Zealand	8.33	13	4	Moldova	6.45	59
5	Australia	8.24	14	5	Azerbaijan	6.2	65
30	Bangladesh	2.53	147	6	Georgia	5.79	74
31	Pakistan	2.42	148	7	Armenia	5.76	75
32	Kiribati	2.17	154	8	Ukraine	5.62	79
33	Solomon Islands	2.11	157	9	Uzbekistan	4.9	95
34	Afganistan	1.95	159	10	Kyrgyzstan	4.37	109
The Americas				Africa			
1	United States	8.18	16	1	Mauritius	5.88	72
2	Canada	7.77	29	2	Seychelles	5.03	90
3	Barbados	7.31	34	3	South Africa	4.96	92
4	St. Kitts and Nevis	7.24	37	4	Cape Verde	4.92	93
5	Uruguay	7.16	42	5	Botswana	4.598	105
31	Guatemala	3.35	125	34	Burundi	1.48	172
32	Honduras	3.28	129	35	Guinea-Bissau	1.48	173
33	Nicaragua	3.27	130	36	Chad	1.27	174
34	Cuba	2.91	137	37	Central African Rep.	1.04	175
35	Haiti	1.72	168	38	Eritrea	0.96	176

Source: ITU

XII - Update (2019-20)

Table 1 - Summary of the telecom sector's performance

Parameter	April'19	May'19	June'19	July'19
Total Phones (million)	1183.67	1183.02	1186.53	1189.28
Wireline (million)	21.47	21.29	21.17	20.96
Wireless (million)	1162.20	1161.73	1165.36	1168.32
Rural (million)	512.84	508.42	511.00	511.09
<i>Urban(million)</i>	<i>670.83</i>	<i>674.60</i>	<i>675.53</i>	<i>678.19</i>
Public (million)	133.50	133.27	133.39	133.58
<i>Private(million)</i>	<i>1050.17</i>	<i>1049.75</i>	<i>1053.14</i>	<i>1055.70</i>
<i>Wireline %age to Total Phones</i>	<i>1.81</i>	<i>1.80</i>	<i>1.78</i>	<i>1.76</i>
<i>Wireless %age to Total Phones</i>	<i>98.19</i>	<i>98.20</i>	<i>98.22</i>	<i>98.24</i>
<i>Rural %age to Total Phones</i>	<i>43.33</i>	<i>42.98</i>	<i>43.07</i>	<i>42.98</i>
<i>Urban %age to Total Phones</i>	<i>56.67</i>	<i>57.02</i>	<i>56.93</i>	<i>57.02</i>
<i>Public %age to Total Phones</i>	<i>11.28</i>	<i>11.27</i>	<i>11.24</i>	<i>11.23</i>
<i>Private %age to Total Phones</i>	<i>88.72</i>	<i>88.73</i>	<i>88.76</i>	<i>88.77</i>
Overall Teledensity (%age)	90.04	89.91	90.10	90.23
Wireline Teledensity (%age)	1.63	1.62	1.61	1.59
Wireless Teledensity (%age)	88.41	88.30	88.49	88.64
Rural Teledensity (%age)	122.19	56.78	57.04	57.01
Urban Teledensity (%age)	74.97	160.49	160.47	160.87
Public (%age)	10.16	10.13	10.13	10.14
Private (%age)	79.89	79.78	79.97	80.10
Broadband (million)	571.95	581.51	594.59	604.12

Table 2 - Summary of the telecom service area-wise performance during 2019-20

Service Area	March'19	April'19	May'19	June'19	July'19
ANDHRA PRADESH	88170245	88005801	87772495	88346463	88676456
ASSAM	23080711	23426284	23505762	23654357	23890306
BIHAR	85308742	85632929	85736314	85786473	85735615
GUJARAT	70534207	69856023	70087384	70026992	69909625
HARYANA	27990960	27886734	28015983	28162818	28215673
HIMACHAL PRADESH	10630749	10591921	10641770	10673781	10743442
JAMMU & KASHMIR	11437233	11452673	11441112	11580370	11696187
KARNATAKA	70398285	69680955	69780523	70274172	70424508
KERALA	45840356	45979276	45904226	46116150	46276578
MADHYA PRADESH	75718114	76066495	76251601	76170526	76042006
MAHARASHTRA	94548392	94533229	94185011	94213729	94775464
NORTH-EAST	12115134	11988972	12082247	12136007	12282647
ORISSA	32930410	32581015	32761956	32960432	33137307
PUNJAB	40014807	40000402	39954333	40076000	40117308
RAJASTHAN	64774956	65239401	65545977	65679103	66131358
TAMIL NADU	84480470	84400843	84154586	84142426	84279751
UTTAR PRADESH - [East]	99449999	100076523	99691849	100235544	100107611
UTTAR PRADESH - [West]	64887552	64964997	64766668	65160805	65284678
WEST BENGAL	57719640	57551550	56670731	56621352	56679312
KOLKATA	27047850	27036593	26981101	26993467	26954220
DELHI	55394424	55749272	56100399	56241303	56548361
MUMBAI	40934182	40966369	40987394	41276410	41371677
TOTAL	1183407418	1183668257	1183019422	1186528680	1189280090

1 Source: BSNL/MTNL/AUSPI/COAI

Table 3 - Summary of the Internet Subscribers (Technology-wise) during 2019-20

Trends of Internet Subscribers (in million)

Total Internet Subscribers (Includes wired, fixed Wireless and Mobile Wireless)	March'18	June'18	March'19	June'19
		493.96	512.26	636.73
%age Quarterly Growth	-18.25%	3.70%	24.30%	4.49%

Internet Subscriber Base in India - June'19* (in million)

Segment	Wired	Wireless	Total Subscribers
Broadband	18.42	576.17	594.58
Narrowband	3.25	67.48	70.72
Total	21.67	643.64	665.31

* As per the TRAI input

Broadband Subscribers in India* (In million)

At the end of	Wired	Wireless	Total Subscribers
March'19	18.41	544.88	563.29
April'19	18.41	553.54	571.95
May'19	18.45	563.06	581.51
June'19	18.42	576.17	594.59
July'19	18.52	585.6	604.12

* As per the TRAI input

Table 4 - MOU per subscriber per month - Quarter Ending March 2019

MOU* per subscriber per month									
Circle Category	Postpaid			Prepaid			Blended		
	Outgoing	Incoming	Total	Outgoing	Incoming	Total	Outgoing	Incoming	Total
Circle A	313	289	602	312	287	599	312	287	598
Circle B	369	353	722	340	355	695	341	355	696
Circle C	498	364	862	406	457	863	408	455	863
Metro	318	271	589	435	326	762	418	319	737
All India	340	301	641	349	345	694	349	343	692

** MOU indicates total usage i.e. usage from and outside HAS*

ANNEXURE - I

SERVICE AREA (TELECOM CIRCLES/ METROS) AND THE AREAS COVERED BY THEM FOR THE PURPOSE OF THIS LICENSE

Sl. No.	Name of Service Area	Areas covered
01.	West Bengal Service Area	Entire area falling within the Union Territory of Andaman & Nicobar Islands and area falling within the State of West Bengal and the State of Sikkim excluding the areas covered by Kolkata Metro Service Area.
02.	Andhra Pradesh Service Area	Entire area falling within the State of Andhra Pradesh.
03.	Assam Service Area	Entire area falling within the State of Assam.
04.	Bihar Service Area	Entire area falling within the re-organised State of Bihar and newly created State of Jharkhand pursuant to the Bihar Reorganisation Act, 2000 (No.30 of 2000) dated 25 th August, 2000.
05.	Gujarat Service Area	Entire area falling within the State of Gujarat and Union Territory of Daman and Diu, Silvassa (Dadra & Nagar Haveli).
06.	Haryana Service Area	Entire area falling within the State of Haryana except Panchkula town and the local areas served by Faridabad and Gurgaon Telephone exchanges.
07.	Himachal Pradesh Service Area	Entire area falling within the State of Himachal Pradesh
08.	Jammu & Kashmir Service Area	Entire area falling within the State of Jammu & Kashmir including the autonomous council of Ladakh.
09.	Karnataka Service Area	Entire area falling within the State of Karnataka
10.	Kerala Service Area	Entire area falling within the State of Kerala and Union Territory of Lakshadweep and Minicoy.
11.	Madhya Pradesh Service Area	Entire area falling within the re-organised State of Madhya Pradesh as well as the newly created State of Chattisgarh pursuant to the Madhya Pradesh Reorganisation Act, 2000 (No:28 of 2000) dated 25 th August, 2000.
12.	Maharashtra Service Area	Entire area falling within the State of Maharashtra and Union Territory of Goa, excluding areas covered by Mumbai Metro Service Area.
13.	North East Service Area	Entire area falling within the States of Arunachal Pradesh, Meghalaya, Mizoram, Nagaland, Manipur and Tripura.
14.	Orissa Service Area	Entire area falling within the State of Orissa.
15.	Punjab Service Area	Entire area falling within the State of Punjab and Union territory of Chandigarh and Panchkula town of Haryana.
16.	Rajasthan Service Area	Entire area falling within the State of Rajasthan.

17*	Tamilnadu Service Area (including Chennai Service Area)	Entire area falling within the State of Tamilnadu and Union Territory of Pondichery.
17 A*	Tamilnadu Service Area (excluding Chennai Service Area)	Entire area falling within the State of Tamilnadu and Union Territory of Pondichery excluding Local Areas served by Chennai Telephones, Maraimalai Nagar Export Promotion Zone (MPEZ), Minzur and Mahabalipuram Exchanges
17 B*	Chennai Service Area	Local Areas served by Chennai Telephones, Maraimalai Nagar Export Promotion Zone (MPEZ), Minzur and Mahabalipuram Exchanges
18.	Uttar Pradesh (West) Service Area	Entire area covered by Western Uttar Pradesh with the following as its boundary districts towards Eastern Uttar Pradesh :Pilibhit, Bareilly, Badaun, Kasganj (Kanshiram Nagar), Etah, Mainpuri, Etawah and Auraiya. It will exclude the local telephone area of Ghaziabad and Noida. However, it will also include the newly created State of Uttaranchal pursuant to the Uttar Pradesh Re-organisation Act, 2000 (No.29 of 2000) dated 25 th August, 2000.
19.	Uttar Pradesh (East) Service Area	Entire area covered by Eastern Uttar Pradesh with the following as its boundary districts towards Western Uttar Pradesh :Shahjahanpur, Kannauj, Farrukhabad, Lakhimpur, Kanpur Rural and Jalaun(Orai).
20.	Delhi Service Area	Local Areas served by Delhi, Ghaziabad, Faridabad, Noida, and Gurgaon Telephone Exchanges
21.	Kolkata Service Area	Local Areas served by Calcutta Telephones.
22.	Mumbai Service Area	Local Areas served by Mumbai, New Mumbai and Kalyan Telephone Exchanges

NOTE:

1. Yenum, an area of Union Territory of Pondicherry is served under Andhra Pradesh Telecom Circle in East Godavari LDCA.
 2. The definition of Local areas of exchanges will be as applicable to the existing cellular operators, i.e. at the time of grant of cellular Licenses in Metro cities.
 3. The definition of local areas with regard to the above service area as applicable to this License is as per definition applicable to Cellular Mobile Service Licenses as in the year 1994 & 1995, when those Licenses were granted to them. This is in accordance with respective Gazette Notification for such local areas wherever issued and as per the statutory definition under Rule 2 (w) Indian Telegraph Rules, 1951, as it stood during the year 1994/1995 where no specific Gazette Notification has been issued.
- * Erstwhile Chennai Service Area & Tamilnadu (excluding Chennai) Service Area as defined in UAS License, have been merged to make a single Service area namely Tamilnadu Service Area. For Unified License, there will be Tamilnadu Service Area as defined at SI No. 17 in the above List of Service Areas.

Annexure - II

Service Areas of Categories			
Category-A	Category-B	Category-C	Category-Metro
Andhra Pradesh	Haryana	Assam	Kolkata
Gujarat	Kerala	Bihar	Delhi
Karnataka	Madhya Pradesh	Himachal Pradesh	Mumbai
Maharashtra	Punjab	Jammu & Kashmir	
Tamil Nadu(incl. Chennai)	Rajasthan	North-East (NE)	
	UP(E)	Orissa	



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