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Telecom at a Glance

S.No.	Title	At the end of March									
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1	Telephones and teledensity in the country										
	i)Telephones (In Million)	996.13	1059.33	1194.99	1211.80	1183.41	1176.79	1200.88	1166.84	1172.32	1198.75
	ii)Teledensity (Per 100 Inhabitants)	79.36	83.40	93.01	93.27	90.10	88.66	88.15	84.87	84.51	85.65
2	No. of Subscribers (In Million)										
	i)Landline	26.59	25.22	24.40	22.81	21.70	19.13	20.24	24.82	28.36	32.89
	ii)Mobile subscribers	969.54	1034.11	1170.59	1188.99	1161.71	1157.67	1180.64	1142.02	1143.96	1165.86
3	Telephone Subscribers in India (In Million)	996.13	1059.33	1194.99	1211.80	1183.41	1176.79	1200.88	1166.84	1172.32	1198.75
	i)Rural	416.08	447.77	501.81	525.87	514.27	521.26	537.11	519.63	518.42	533.34
	ii)Urban	580.05	611.56	693.18	685.93	669.14	655.54	663.76	647.21	653.90	665.41
	iii)Public	100.34	108.65	122.18	131.66	133.51	134.97	131.16	127.10	115.44	98.96
	iv)Private	895.79	950.68	1072.81	1080.14	1049.90	1041.82	1069.72	1039.74	1056.89	1099.79
4	Telephone Subscribers in India (%age share)										
	Wireline	2.67	2.38	2.04	1.88	1.83	1.63	1.69	2.13	2.42	2.74
	Wireless	97.33	97.62	97.96	98.12	98.17	98.37	98.31	97.87	97.58	97.26
	Rural	41.77	42.27	41.99	43.40	43.46	44.29	44.73	44.53	44.22	44.49
	Urban	58.23	57.73	58.01	56.60	56.54	55.71	55.27	55.47	55.78	55.51
	Public	10.07	10.26	10.22	10.86	11.28	11.47	10.92	10.89	9.85	8.26
	Private	89.93	89.74	89.78	89.14	88.72	88.53	89.08	89.11	90.15	91.74
5	Teledensity (Per 100 Inhabitants)	79.36	83.40	93.01	93.27	90.10	88.66	88.15	84.87	84.51	85.65
	Wireline	2.12	1.99	1.90	1.76	1.65	1.44	1.49	1.81	2.04	2.35
	Wireless	77.24	81.41	91.11	91.51	88.45	87.22	86.66	83.07	82.46	83.30
	Rural	48.04	51.26	56.98	59.25	57.50	57.87	60.17	57.98	57.61	59.03
	Urban	149.04	154.18	171.52	166.64	159.66	153.68	141.29	135.23	134.18	134.13
	Public	7.99	8.55	9.51	10.13	10.16	10.17	9.63	9.25	8.32	7.07
	Private	71.36	74.85	83.50	83.14	79.94	78.49	78.52	75.63	76.19	78.58
6	No. of PCOs and VPTs in India (In lakh)										
	PCO	7.37	5.89	4.52	3.60	2.55	1.73	1.26	0.66	0.42	0.21
	VPT	5.86	5.87	2.30	1.99	1.30	0.68	0.69	0.69	0.69	0.69
7	No. of Mobile connections (MTNL)										
	Ported-in	25784	24627	17730	8702	10195	7672	2046	3385	3039	1796
	Delhi	9552	11509	8067	2185	3170	2130	683	998	1441	930
	Mumbai	16232	13118	9663	6517	7025	5542	1363	2387	1598	866
	Ported-out	75464	79007	97091	181160	135104	87844	58586	48652	41539	45574
	Delhi	39387	39868	59402	119059	76351	34836	19040	10542	6669	5643
	Mumbai	36077	39139	37689	62101	58753	53008	39546	38110	34870	39931
8	No. of Mobile connections (BSNL)										
	Ported-in	914412	2031668	2777935	4132600	5364649	4002233	1712601	2885060	1685194	1082210
	Ported-out	1613843	1781002	2061542	3496128	2827440	3337764	6305339	5231828	6581184	6340165
9	Internet Subscribers in India (In Million)	302.36	342.65	422.20	493.96	636.73	743.19	825.30	824.89	881.25	954.40
	Narrowband	203.15	192.90	145.68	81.35	73.42	55.75	47.21	36.59	34.69	30.34
	Broadband	99.20	149.75	276.52	412.60	563.31	687.44	778.09	788.30	846.57	924.07
	Wired	19.07	20.44	21.58	21.24	21.68	22.42	26.00	27.27	33.94	40.27
	Wireless	283.29	322.21	400.62	472.72	615.05	720.77	799.31	797.62	847.31	914.13
	Urban	194.80	230.71	285.68	348.13	409.72	457.22	502.53	493.08	523.26	556.05
	Rural	107.56	111.94	136.52	145.83	227.01	285.97	322.77	331.81	357.99	398.35
10	Internet Subscribers in India (Per 100 Inhabitants)	24.09	26.98	32.86	38.02	48.48	55.12	60.73	60.00	63.53	68.19
	Urban	49.07	58.28	70.83	84.74	97.94	99.12	107.30	102.82	107.11	111.75
	Rural	12.89	12.80	15.49	16.41	25.36	32.24	36.24	37.06	39.84	44.16

Telecom at a Glance (Contd.)

S.No.	Title	At the end of March									
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
11	Revenue from Telecom Services (₹ crore)										
	Telecom Sector										
	Gross Revenue	254,547.25	263,709.21	274,570.90	254,538.08	233,633.32	252,824.82	273,458.00	278,183.00	333,697.00	336,066.00
	Adjusted Gross Revenue	175,829.58	187,856.78	190,659.42	155,679.85	144,681.49	162,280.19	186,045.00	218,882.00	249,909.00	270,504.00
	Wireless Data Revenue *	31,120.00	35,079.00	38,882.00	54,671.00	59,334.00	113,156.00	118,250.00	143,169.00	174,144.00	186,226.00
	Access Services-ARPU per month #	120	126	118	81	73	85	104	114	139	150
	Licence Fee	12,358.29	15,771.27	15,614.45	13,261.84	11,134.01	39,647.82	15,273.59	16,614.00	20,316.00	36,363.00
	Spectrum Usage Charges	6,988.00	7,611.00	7,208.00	6,118.00	4,463.00	5,365.00	7,992.00	8,197.00	6,502.00	13,695.96
	Spectrum Auction Related Proceeds	10,854.00	28,883.00	46,653.00	11,883.00	24,894.00	24,353.00	21,949.00	60,841.00	37,816.00	42,617.89
12	Telecom Usage Parameters										
	Traffic (MOU) (minutes of use/subscriber/month)										
	GSM	383	381	405	584	692	750	818	955	946	995
	CDMA	265	260	250	61						
	Wireless Data Usage per subscriber per month (in GB) *	0.41	1.14	4.11	7.60	9.85	11.76	12.11	14.89	17.02	19.30
	Minutes of usages for internet Telephony (Million) #	245.00	277.00	258.00	258.00	197.00	181.34	174.89	137.74	78.08	93.47
	Wireless data usage (in PB per year) *	1375	4642	20092	46404	76319	103522	104207	137459	160054	194774
13	FDI EQUITY INFLOWS (US\$ In Million)	30,931	40,001	43,478	44,857	44,366	49,977	59,636	58,773	46,034	44,423
	Telecommunication Sector	2,895	1,324	5,564	6,212	2,668	4,445	392	668	713	282
	Share of Telecommunication Sector	9.36%	3.31%	12.80%	13.85%	6.01%	8.89%	0.66%	1.14%	1.55%	0.63%
14	GVA (In Crore) (At constant price) (As per NAS)	₹ 9,712,133	₹ 10,491,870	₹ 11,328,285	₹ 12,034,171	₹ 12,733,798	₹ 13,236,100	₹ 12,687,345	₹ 13,876,840	₹ 14,804,901	-
	GVA Telecom Sector	₹ 125,227	₹ 141,331	₹ 132,941	₹ 111,553	₹ 109,499	₹ 130,314	₹ 145,573	₹ 156,702	₹ 178,548	-
	Share of Telecom Sector	1.29	1.35	1.17	0.93	0.86	0.98	1.15	1.13	1.21	-
15	Number of Mobile Towers	NA	NA	443054	464661	537187	595667	645814	710040	754067	796773
16	No. of Base Transceiver Stations(BTS)	869886	1154156	1435853	1737027	2108517	2192943	2240276	2332550	2542213	2918413
	Operator-wise performance										
17	Telecom Subscribers in India (In Million)	996.13	1059.33	1194.99	1211.80	1183.41	1176.79	1200.88	1166.84	1172.32	1198.75
	PSU	100.34	108.65	122.18	131.66	133.51	134.97	131.16	127.10	115.44	98.96
	BSNL	93.24	101.58	115.09	124.75	126.81	128.52	124.96	121.17	110.83	95.11
	MTNL	7.10	7.06	7.09	6.90	6.70	6.45	6.20	5.93	4.61	3.84
	Private	895.79	950.68	1072.81	1080.14	1049.90	1041.82	1069.72	1039.74	1056.89	1099.79
18	Operator-wise subscriber percent Share in Total (All Operators)										
	PSU	10.07	10.26	10.22	10.86	11.28	11.47	10.92	10.89	9.85	8.26
	BSNL	9.36	9.59	9.63	10.29	10.72	10.92	10.41	10.38	9.45	7.93
	MTNL	0.71	0.67	0.59	0.57	0.57	0.55	0.52	0.51	0.39	0.32
	Private	89.93	89.74	89.78	89.14	88.72	88.53	89.08	89.11	90.15	91.74

Source: DoT, TRAI, TSPs, MOSPI

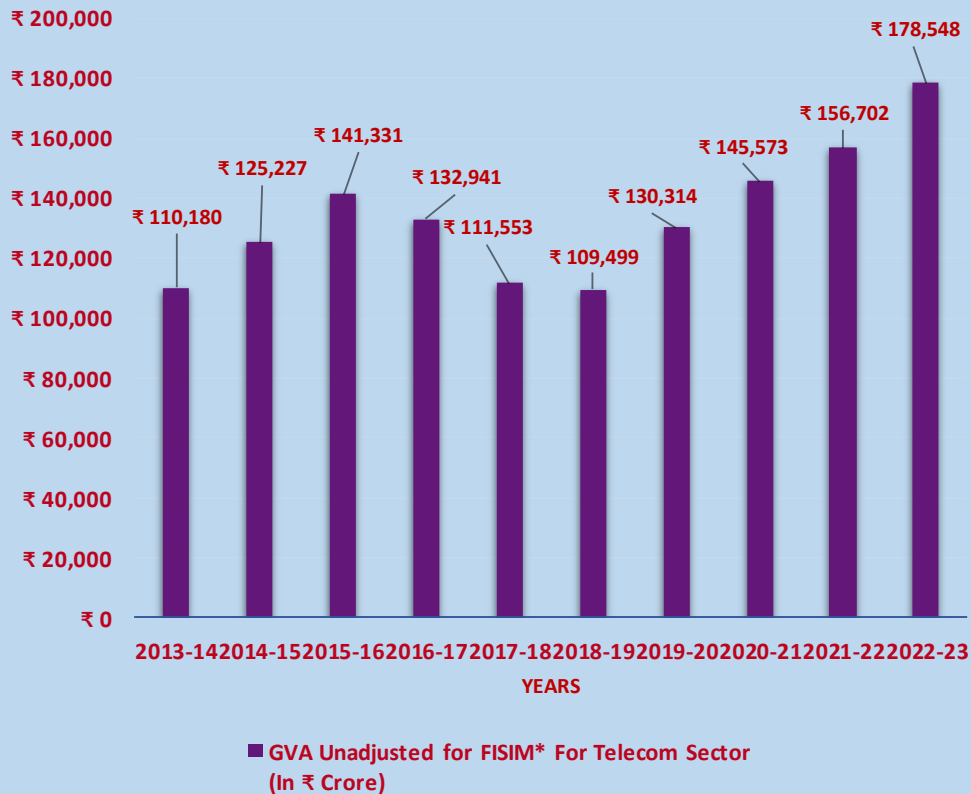
*Yearly Performance Indicator Reports of TRAI- Calendar Year figures Upto 2020 and 2020-21 onwards it is for Financial Year

#Quarterly Performance Indicator Reports of TRAI.

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

Year ending	Total GVA (In ₹ Crore)	GVA Unadjusted for FISIM* For Telecom Sector (In ₹ Crore)	Share of Telecom Sector (%)
2011-12	₹ 8,106,946	₹ 91,346	1.13
2012-13	₹ 8,546,275	₹ 97,541	1.14
2013-14	₹ 9,063,649	₹ 110,180	1.22
2014-15	₹ 9,712,133	₹ 125,227	1.29
2015-16	₹ 10,491,870	₹ 141,331	1.35
2016-17	₹ 11,328,285	₹ 132,941	1.17
2017-18	₹ 12,034,171	₹ 111,553	0.93
2018-19	₹ 12,733,798	₹ 109,499	0.86
2019-20	₹ 13,236,100	₹ 130,314	0.98
2020-21	₹ 12,687,345	₹ 145,573	1.15
2021-22	₹ 13,876,840	₹ 156,702	1.13
2022-23	₹ 14,804,901	₹ 178,548	1.21

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



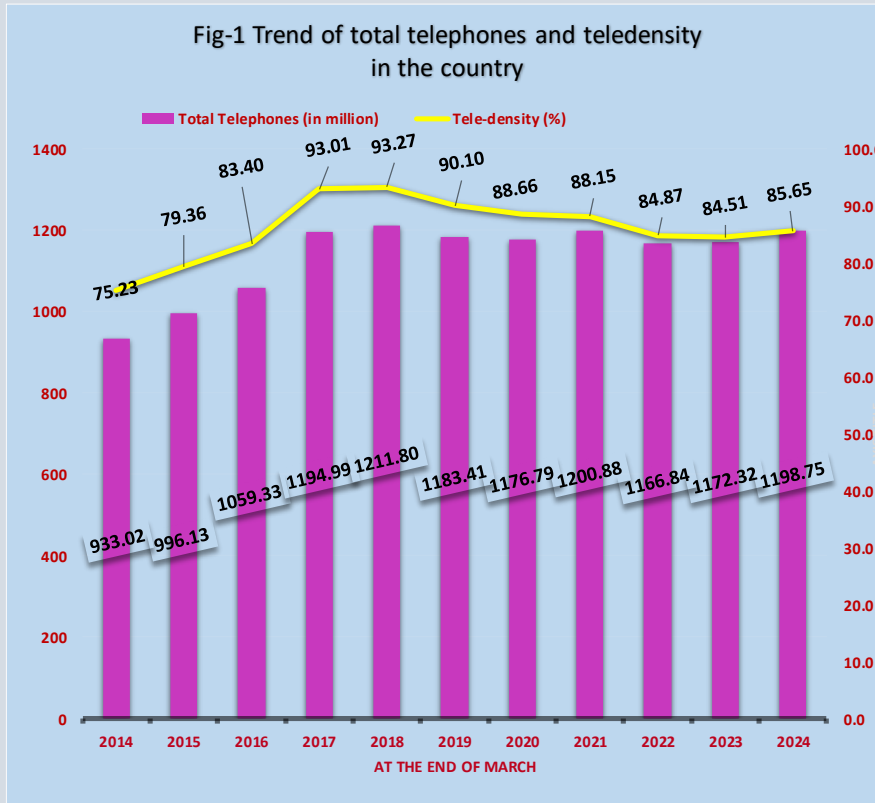
1 – Telecom Subscriber Statistics

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

Table 1.1 - Trend of total telephones and teledensity in the country (2001 to 2024)

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
2020	1176.79	88.66
2021	1200.88	88.15
2022	1166.84	84.87
2023	1172.32	84.51
2024	1198.75	85.65

Source - DOT



**Table 1.2 - Number of landline and mobile subscribers
(2001 to 2024)**

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
2020	1157.67	19.13
2021	1180.64	20.24
2022	1142.02	24.82
2023	1143.96	28.36
2024	1165.86	32.89

Source - DOT

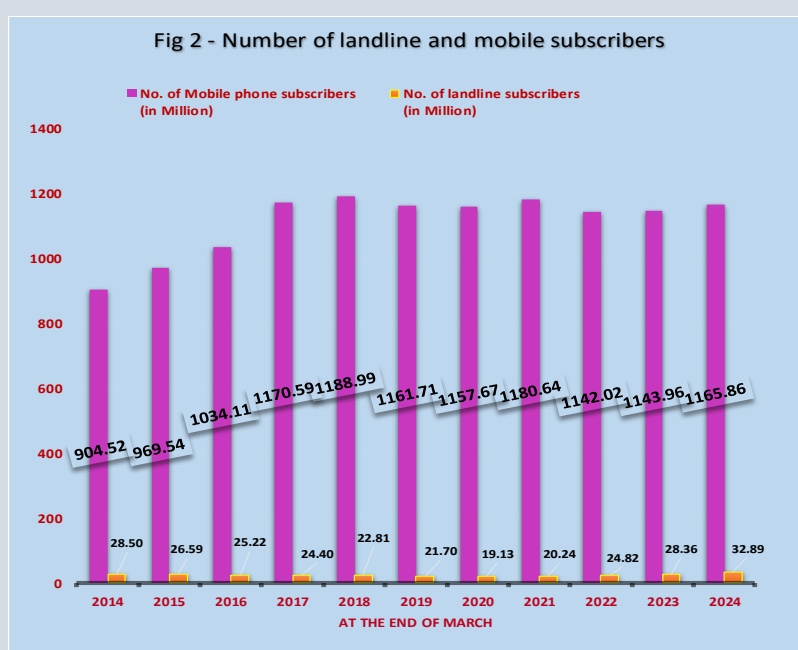


Table 1.3 - Rural, Urban, Public and Private Telephone Subscribers in India (In Million) (2006-2024)

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
2020	1176.79	19.13	1157.67	521.26	655.54	134.97	1041.82
2021	1200.88	20.24	1180.64	537.11	663.76	131.16	1069.72
2022	1166.84	24.82	1142.02	519.63	647.21	127.10	1039.74
2023	1172.32	28.36	1143.96	518.42	653.90	115.44	1056.89
2024	1198.75	32.89	1165.86	533.34	665.41	98.96	1099.79

Source- DOT

Fig 3A - Composition of subscribers - Rural & Urban, At the end of March, 2024 (In Million)

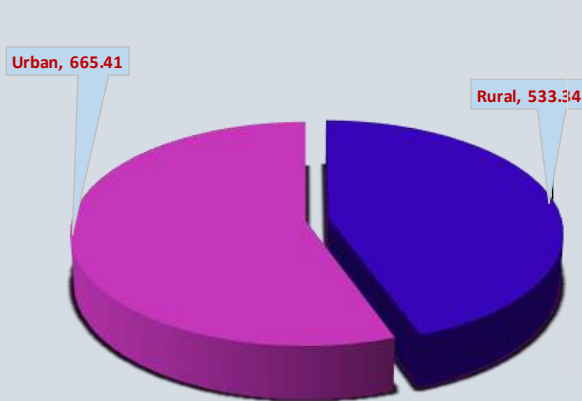
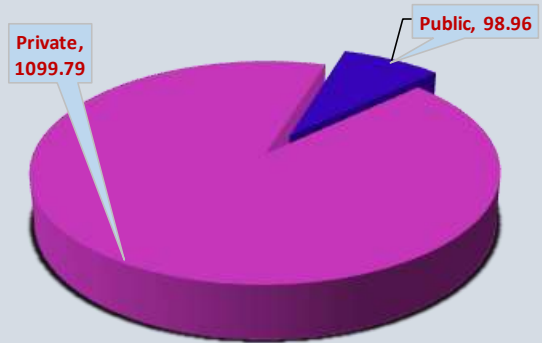


Fig 3B - Composition of subscribers - Public & Private Operators, At the end of March, 2024 (In Million)



**Table 1.4 - Telephone Subscribers in India
(Percent Share) (2006-2024)**

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
2020	1.63	98.37	44.29	55.71	11.47	88.53
2021	1.69	98.31	44.73	55.27	10.92	89.08
2022	2.13	97.87	44.53	55.47	10.89	89.11
2023	2.42	97.58	44.22	55.78	9.85	90.15
2024	2.74	97.26	44.49	55.51	8.26	91.74

Source- DOT

Fig 4A - Composition of subscribers - Rural & Urban, At the end of March, 2024 (% Share)

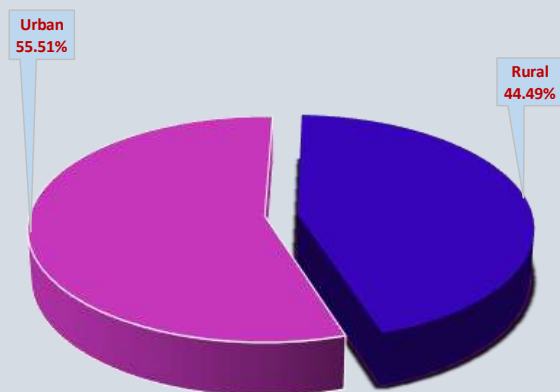


Fig 4B - Composition of subscribers - Public & Private Operators, At the end of March, 2024 (% Share)

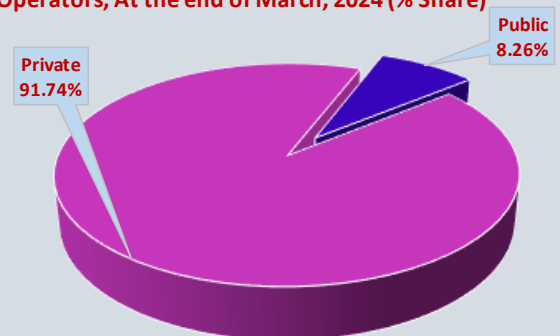


Table 1.5 - Teledensity (No. of Subscribers Per 100 Inhabitants) (2006-2024)

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
2020	88.66	1.44	87.22	57.87	153.68	10.17	78.49
2021	88.15	1.49	86.66	60.17	141.29	9.63	78.52
2022	84.87	1.81	83.07	57.98	135.23	9.25	75.63
2023	84.51	2.04	82.46	57.61	134.18	8.32	76.19
2024	85.65	2.35	83.30	59.03	134.13	7.07	78.58

Source- DOT

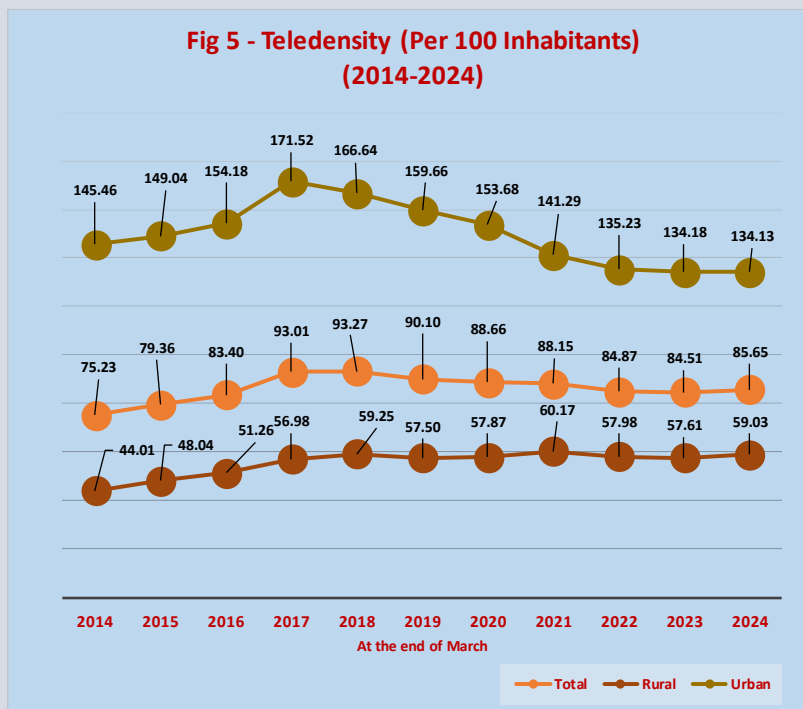


Table 1.6 - Number of Public Call Offices (PCOs) and Village Public Telephones (VPTs) in India (In Lakh) (2000-2024)

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	2.55
2020	1.73	0.68
2021	1.26	0.69
2022	0.66	0.69
2023	0.42	0.69
2024	0.21	0.69

Source - Quarterly Performance Indicators Report, Telecom Regulatory Authority of India (TRAI)

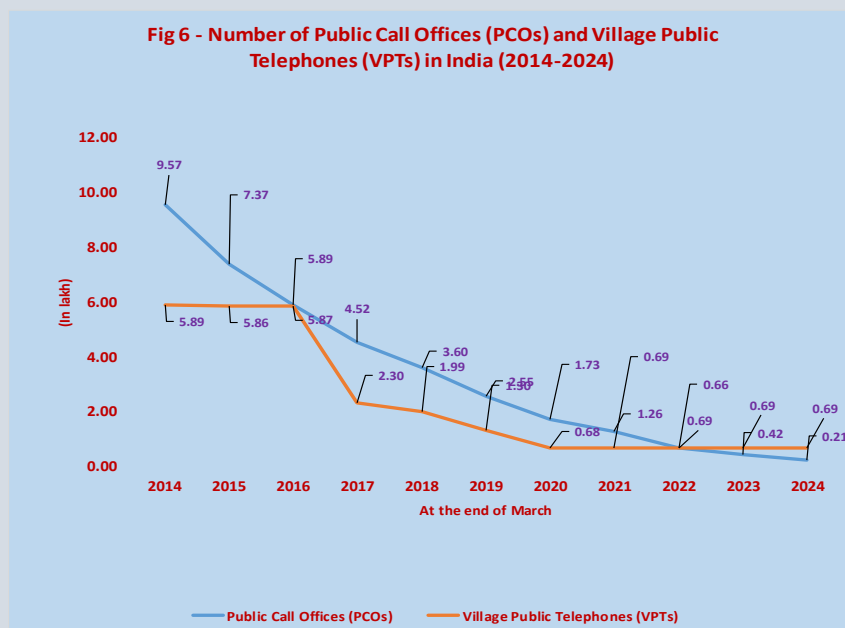


Table 1.7 - Number of mobile connections Ported-in and Ported-out of MTNL

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	8132	9754	17886	59537	37712	97249	7.32	3.87	5.44
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
2019-20	2130	5542	7672	34836	53008	87844	16.35	9.56	11.45
2020-21	683	1363	2046	19040	39546	58586	27.88	29.01	28.63
2021-22	998	2387	3385	10542	38110	48652	10.56	15.97	14.37
2022-23	1441	1598	3039	6669	34870	41539	4.63	21.82	13.67
2023-24	930	866	1796	5643	39931	45574	6.07	46.11	25.38
Total	84782	86619	171401	557941	559958	1117899	6.58	6.46	6.52

Source- Mahanagar Telephone Nigam Limited

Table 1.8 - Number of mobile connections Ported-in and Ported-out of BSNL

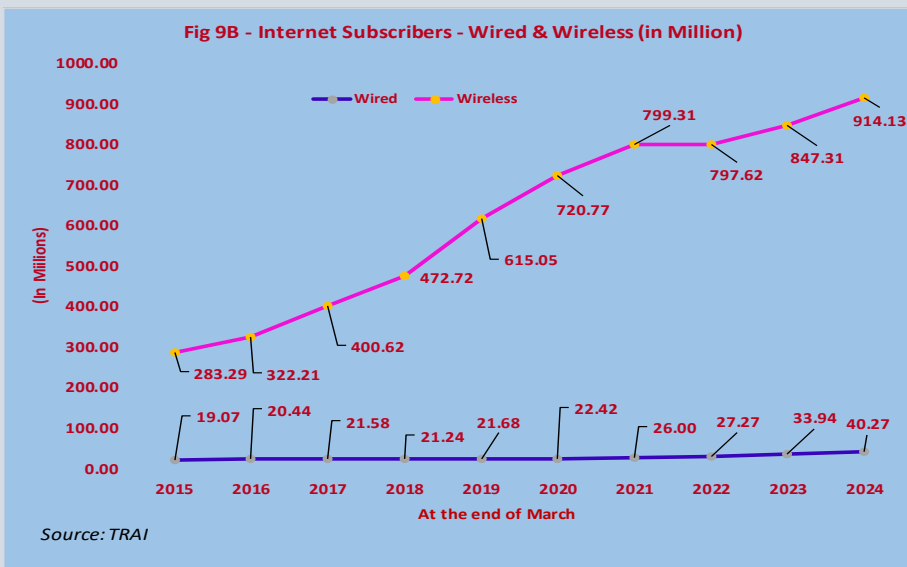
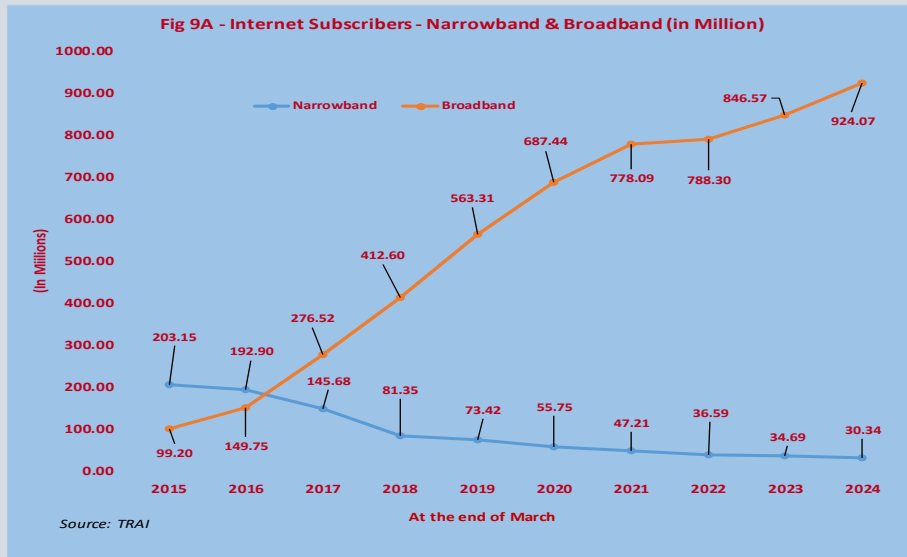
Financial Year	Ported in	Ported out	Ratio of Port out to Port in
Since Launch of MNP Upto March 2014	3073524	4383988	1.43
2014-15	914412	1613843	1.76
2015-16	2031668	1781002	0.88
2016-17	2777935	2061542	0.74
2017-18	4132600	3496128	0.85
2018-19	5364649	2827440	0.19
2019-20	4002233	3337764	0.83
2020-21	1712601	6305339	4.47
2021-22	2885060	5231828	1.81
2022-23	1685194	6581184	3.91
2023-24	1082210	6340165	5.86
Total	29662086	43960223	1.48

Source- Bharat Sanchar Nigam Limited

Table 1.9 - Internet Subscribers in India (In Million) (2007-2024)

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
2020	743.19	55.75	687.44	22.42	720.77	457.22	285.97
2021	825.30	47.21	778.09	26.00	799.31	502.53	322.77
2022	824.89	36.59	788.30	27.27	797.62	493.08	331.81
2023	881.25	34.69	846.57	33.94	847.31	523.26	357.99
2024	954.40	30.34	924.07	40.27	914.13	556.05	398.35

Source - Quarterly Performance Indicators Report, Telecom Regulatory Authority of India (TRAI)



**Table 1.10 - Internet Density
(Internet Subscribers Per 100 Inhabitants)**

At the end of March	Total	Urban	Rural
2013	13.45	-	-
2014	20.29	-	-
2015	24.09	49.07	12.89
2016	26.98	58.28	12.80
2017	32.86	70.83	15.49
2018	38.02	84.74	16.41
2019	48.48	97.94	25.36
2020	55.12	99.12	32.24
2021	60.73	107.30	36.24
2022	60.00	102.82	37.06
2023	63.53	107.11	39.84
2024	68.19	111.75	44.16

Source - Quarterly Performance Indicators Report, Telecom Regulatory Authority of India (TRAI)

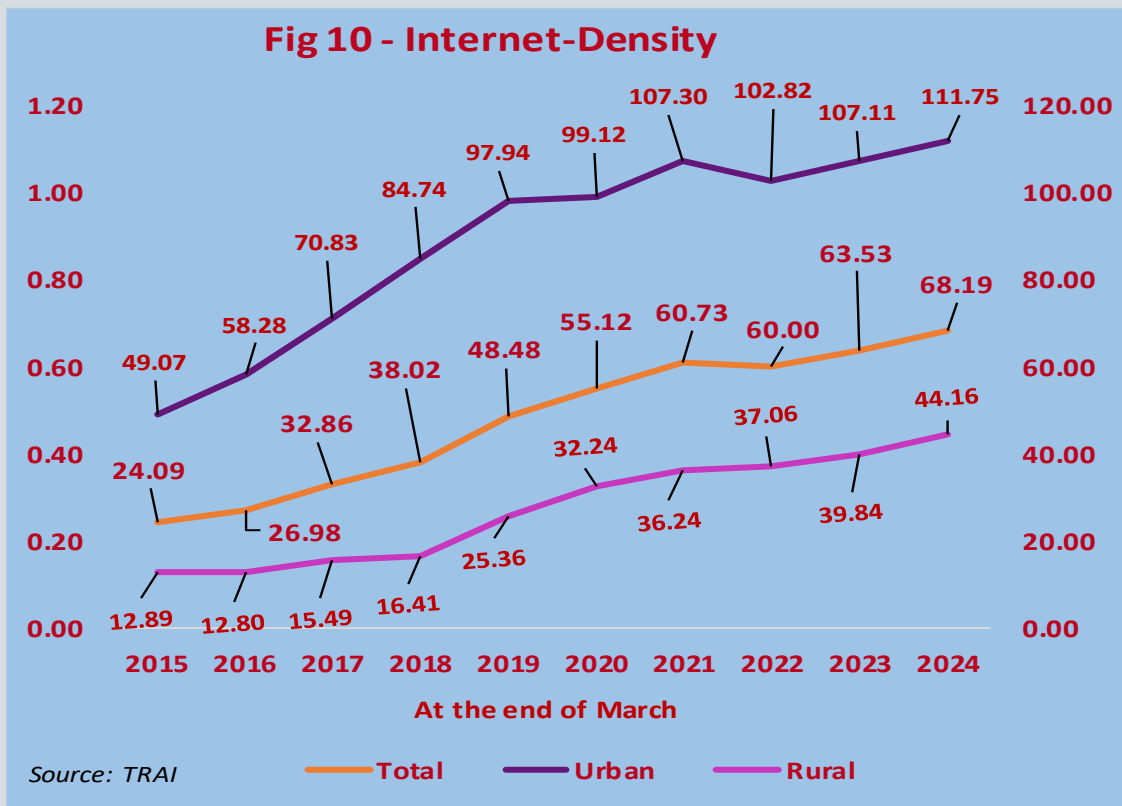


Table 1.11 - Total Internet Connections - Rural & Urban (In Million) (2014-2024)

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
2020	285.97	457.22	743.19
2021	322.77	502.53	825.30
2022	331.81	493.08	824.89
2023	357.99	523.26	881.25
2024	398.35	556.05	954.40

Source - Quarterly Performance Indicators Report, Telecom Regulatory Authority of India (TRAI)

Table 1.12 - Total Wireless Internet Connections - Rural & Urban (In Million) (2014-2024)

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
2020	284.24	436.53	720.77
2021	320.96	478.35	799.31
2022	NA	NA	797.62
2023	NA	NA	847.31
2024	NA	NA	914.13

Source - Quarterly Performance Indicators Report, Telecom Regulatory Authority of India (TRAI)

Table 1.13 - Total Broadband Connections - Rural & Urban (In Million) (2014-2024)

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
2020	258.61	428.83	687.44
2021	298.21	479.88	778.09
2022	314.30	473.99	788.30
2023	343.40	503.17	846.57
2024	386.53	537.54	924.07

Source - Quarterly Performance Indicators Report, Telecom Regulatory Authority of India (TRAI)

Table 1.14 - Total Wireless Broadband Connections - Rural & Urban (In Million) (2014-2024)

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
2020	257.42	410.84	668.26
2021	298.21	457.13	755.35
2022	NA	NA	761.05
2023	NA	NA	813.08
2024	NA	NA	884.01

Source - Quarterly Performance Indicators Report, Telecom Regulatory Authority of India (TRAI)

Table 1.15 - Service area wise Total Internet subscriptions (In Million)

Service area	2024			2023			2022			2021			2020			2019			2018			2017			2016			
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural
Andhra Pradesh	30.99	40.21	71.20	28.95	37.34	66.29	27.13	34.92	62.05	28.08	36.14	64.22	25.51	33.14	58.65	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
Assam	12.75	7.02	19.77	10.98	6.61	17.59	9.68	6.30	15.98	9.69	6.52	16.21	8.31	5.93	14.24	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
Bihar	48.01	25.82	73.83	42.11	23.68	65.79	37.34	21.36	58.70	34.62	20.79	55.42	30.53	17.86	48.39	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
Delhi	1.35	55.16	56.51	0.83	51.91	52.74	0.80	45.92	46.72	0.76	44.20	44.96	0.75	40.24	40.99	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
Gujarat	18.85	37.57	56.42	17.29	35.88	53.17	16.52	34.99	51.51	15.47	35.08	50.55	13.67	31.64	45.31	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
Haryana	9.64	10.76	20.40	8.48	10.54	19.02	8.07	10.37	18.44	7.69	10.86	18.55	6.81	10.37	17.18	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
Himachal Pradesh	4.03	2.58	6.61	3.87	2.42	6.29	3.89	2.38	6.27	4.25	2.47	6.72	3.79	2.21	6.00	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
Jammu & Kashmir	4.58	5.30	9.88	4.36	5.18	9.54	3.90	4.73	8.63	3.64	4.72	8.36	3.45	4.23	7.68	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
Karnataka	20.79	37.09	57.88	19.29	33.69	52.98	17.45	30.64	48.09	17.94	32.15	50.09	17.01	28.82	45.83	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
Kerala	15.93	17.81	33.74	15.08	16.83	31.91	14.32	16.10	30.42	12.46	17.95	30.42	10.75	15.79	26.54	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
Kolkata	1.43	18.00	19.43	1.35	17.48	18.83	1.21	16.55	17.76	1.44	17.68	19.11	1.42	15.99	17.41	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
Madhya Pradesh	28.55	37.34	65.89	25.37	34.94	60.31	23.64	33.18	56.82	22.63	32.79	55.42	19.75	28.97	48.72	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
Maharashtra	33.34	46.62	79.96	31.27	43.48	74.75	29.94	41.20	71.14	28.88	42.24	71.13	25.16	37.85	63.01	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
Mumbai	1.26	30.97	32.23	1.09	29.44	30.53	1.02	28.86	29.88	1.89	30.41	32.30	1.53	28.77	30.30	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
North East	5.37	4.93	10.30	4.97	4.68	9.65	4.65	4.36	9.01	4.65	4.41	9.06	3.97	4.00	7.97	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
Orissa	16.15	8.40	24.55	14.79	7.79	22.58	13.69	7.20	20.89	13.94	7.66	21.60	12.36	6.91	19.27	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
Punjab	9.85	19.05	28.90	9.09	18.28	27.37	8.78	17.71	26.49	9.16	19.34	28.50	8.43	17.70	26.13	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
Rajasthan	25.75	26.73	52.48	22.19	24.70	46.89	21.17	23.18	44.35	21.47	23.93	45.40	20.02	22.48	42.50	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
Tamil Nadu	17.58	44.87	62.45	16.29	41.96	58.25	15.47	40.43	55.90	15.26	41.46	56.73	13.82	37.82	51.64	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
UP (East)	45.24	32.41	77.65	39.53	30.34	69.87	35.20	28.32	63.52	33.57	27.87	61.44	28.91	25.68	54.59	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
UP (West)	22.68	26.88	49.56	18.89	26.44	45.33	17.57	25.45	43.02	16.49	25.25	41.74	13.34	24.46	37.80	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
West Bengal	24.22	20.56	44.78	21.93	19.62	41.55	20.36	18.92	39.28	18.78	18.62	37.39	16.65	16.35	33.00	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
Total	398.35	556.05	954.40	357.99	523.26	881.25	331.81	493.08	824.89	322.77	502.53	825.30	285.94	457.21	743.15	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

Source - Quarterly Performance Indicators Report, Telecom Regulatory Authority of India (TRAI)

Table 1.16 - Service area wise Broadband subscriptions (In Million)

Service area	2024			2023			2022			2021			2020			2019			2018			2017			2016			
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural
Andhra Pradesh	29.95	39.22	69.17	27.72	36.05	63.77	25.68	33.54	59.22	26.37	34.49	60.86	23.46	31.29	54.75	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
Assam	12.54	6.92	19.46	10.66	6.48	17.14	9.19	6.11	15.30	9.08	6.22	15.30	7.68	5.57	13.25	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
Bihar	46.48	25.25	71.73	40.32	23.12	63.44	35.09	20.69	55.78	31.65	19.68	51.33	27.29	16.65	43.94	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
Delhi	1.26	49.59	50.85	0.54	45.77	46.31	0.53	41.10	41.63	0.65	41.09	41.74	0.57	37.34	37.91	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
Gujarat	18.50	37.00	55.50	16.89	35.19	52.08	16.02	34.34	50.36	14.72	34.13	48.85	12.69	30.39	43.08	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
Haryana	9.41	10.01	19.42	8.19	10.02	18.21	7.75	9.96	17.71	7.31	10.41	17.72	6.36	9.84	16.20	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
Himachal Pradesh	3.97	2.52	6.49	3.79	2.35	6.14	3.80	2.30	6.10	4.09	2.33	6.41	3.60	2.05	5.65	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
Jammu & Kashmir	4.46	5.23	9.69	4.24	5.10	9.34	3.74	4.63	8.37	3.35	4.55	7.90	3.09	4.04	7.13	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
Karnataka	19.54	34.45	53.99	17.90	31.23	49.13	16.40	29.43	45.83	16.64	30.75	47.38	15.24	27.09	42.33	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
Kerala	15.45	17.21	32.66	14.54	16.35	30.89	13.77	15.62	29.39	11.81	17.08	28.89	10.03	14.81	24.84	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
Kolkata	1.41	17.63	19.04	1.32	16.97	18.29	1.17	15.91	17.08	1.34	16.51	17.85	1.35	14.77	16.12	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
Madhya Pradesh	27.85	36.79	64.64	24.50	34.28	58.78	22.46	32.37	54.83	20.90	31.22	52.11	17.59	27.11	44.70	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
Maharashtra	32.48	45.72	78.20	30.21	42.42	72.63	28.62	40.15	68.77	27.19	40.38	67.56	22.90	35.41	58.31	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
Mumbai	1.24	30.09	31.33	1.07	28.45	29.52	1.01	27.42	28.43	1.82	28.53	30.35	1.47	26.55	28.02	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
North East	5.30	4.86	10.16	4.86	4.58	9.44	4.49	4.25	8.74	4.41	4.23	8.64	3.67	3.77	7.44	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
Orissa	15.81	8.28	24.09	14.37	7.65	22.02	13.14	7.01	20.15	13.08	7.39	20.47	11.18	6.52	17.70	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
Punjab	9.66	18.63	28.29	8.84	17.82	26.66	8.44	17.18	25.62	8.70	18.64	27.35	7.83	16.77	24.60	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
Rajasthan	25.15	26.07	51.22	21.47	23.98	45.45	20.27	22.42	42.69	20.08	22.78	42.86	18.35	21.15	39.50	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
Tamil Nadu	16.93	43.78	60.71	15.51	40.62	56.13	14.64	39.03	53.67	13.68	39.78	53.45	12.27	35.24	47.51	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
UP (East)	43.45	31.76	75.21	37.41	29.60	67.01	32.61	27.39	60.00	30.33	26.53	56.87	25.30	24.17	49.47	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
UP (West)	22.22	26.22	48.44	18.12	25.81	43.93	16.54	24.63	41.17	15.30	24.14	39.43	12.04	22.87	34.91	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
West Bengal	23.49	20.32	43.81	20.92	19.34	40.26	18.96	18.53	37.49	17.00	17.78	34.77	14.63	15.42	30.05	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
Total	386.53	537.54	924.07	343.40	503.17	846.57	314.30	473.99	788.30	299.48	478.61	778.09	258.59	428.82	687.41	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

Source - Quarterly Performance Indicators Report, Telecom Regulatory Authority of India (TRAI)

Table 1.17 - Service area wise Broadband (Wireline & Wireless) subscriptions (In Million)

Service area	2021			2020			2019			2018			2017			2016			2015			2014
	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Wireline	Wireless	Total	Total
Andhra Pradesh	2.71	58.15	60.86	2.40	52.36	54.76	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	0.10	15.20	15.30	0.09	13.15	13.24	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	0.29	51.04	51.33	0.23	43.72	43.95	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	2.52	39.22	41.74	2.10	35.81	37.91	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	1.68	47.17	48.85	1.44	41.64	43.08	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	0.36	17.37	17.72	0.35	15.85	16.20	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	0.07	6.35	6.41	0.09	5.57	5.66	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	0.20	7.70	7.90	0.10	7.03	7.13	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	2.16	45.22	47.38	1.94	40.40	42.34	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	1.48	27.41	28.89	1.25	23.59	24.84	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	0.81	17.04	17.85	0.65	15.47	16.12	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	0.76	51.36	52.11	0.65	44.06	44.71	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	1.99	65.57	67.56	1.58	56.73	58.31	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	1.70	28.66	30.35	1.43	26.59	28.02	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	0.09	8.55	8.64	0.08	7.36	7.44	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	0.28	20.19	20.47	0.22	17.48	17.70	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	1.01	26.34	27.35	0.81	23.78	24.59	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	0.60	42.26	42.86	0.53	38.97	39.50	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	2.43	51.02	53.45	2.14	45.37	47.51	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)	0.58	56.29	56.87	0.45	49.02	49.47	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)	0.53	38.90	39.43	0.40	34.51	34.91	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	0.41	34.36	34.77	0.26	29.79	30.05	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	22.75	755.35	778.09	19.19	668.25	687.44	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 1.18 - Service area wise Wireless internet subscriptions (In Million)

Service area	2021			2020			2019			2018			2017			2016			2015			2014
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Total
Andhra Pradesh	27.96	33.35	61.31	25.35	30.71	56.06	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	9.69	6.41	16.09	8.30	5.84	14.14	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	34.61	20.46	55.07	30.51	17.60	48.11	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	0.76	41.68	42.44	0.75	38.14	38.89	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	15.17	33.52	48.70	13.44	30.26	43.70	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	7.65	10.45	18.10	6.76	9.98	16.74	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	4.24	2.39	6.63	3.78	2.11	5.89	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	3.63	4.51	8.13	3.43	4.12	7.55	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	17.82	29.90	47.72	16.88	26.80	43.68	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	12.10	16.46	28.56	10.46	14.46	24.92	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	1.40	16.55	17.95	1.39	15.01	16.40	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	22.58	31.79	54.37	19.69	28.09	47.78	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	28.66	40.16	68.81	24.97	36.15	61.12	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	1.89	28.71	30.60	1.53	27.33	28.86	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	4.63	4.28	8.91	3.95	3.88	7.83	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	13.91	7.37	21.28	12.34	6.68	19.02	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	9.07	18.20	27.27	8.33	16.77	25.10	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	21.43	23.14	44.58	19.97	21.78	41.75	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	15.08	38.90	53.98	13.64	35.53	49.17	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)	33.52	27.27	60.79	28.86	25.22	54.08	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)	16.46	24.60	41.06	13.31	23.96	37.27	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	18.70	18.25	36.95	16.58	16.13	32.71	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	320.96	478.35	799.31	284.22	436.55	720.77	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

Table- 1.19 - Internet Subscriber Base and Market Share of top 10 Service Providers

Service Providers	No. of Internet Subscribers March 2023	Share (%)	Service Providers	No. of Internet Subscribers March 2024	Share (%)
Reliance Jio Infocomm Ltd	438.56	49.77	Reliance Jio Infocomm Ltd	481.01	50.40
Bharti Airtel Ltd.	261.84	29.71	Bharti Airtel Ltd.	290.83	30.47
Vodafone Idea Limited	136.18	15.45	Vodafone Idea Limited	137.36	14.39
Bharat Sanchar Nigam Ltd.	28.28	3.21	Bharat Sanchar Nigam Ltd.	27.57	2.89
Atria Convergence Technologies Pvt. Ltd.	2.14	0.24	Atria Convergence Technologies Pvt. Ltd.	2.25	0.24
Hathway Cable & Datacom Pvt. Ltd.	1.12	0.13	ONEOTT iNTERTAINMENT LTD.	1.22	0.13
ONEOTT iNTERTAINMENT LTD.	1.02	0.12	Kerala Vision Broadband Ltd.	1.11	0.12
You Broadband India Pvt. Ltd.	0.88	0.10	Hathway Cable & Datacom Pvt. Ltd.	1.10	0.12
Excitel Broadband Private Limited	0.87	0.10	Excitel Broadband Private Limited	0.96	0.10
Kerala Vision Broadband Ltd.	0.83	0.09	You Broadband India Pvt. Ltd.	0.90	0.09
Total of Top 10 ISPs	871.73	98.92	Total of Top 10 ISPs	944.29	98.94
Others	9.53	1.08	Others	10.12	1.06
Grand Total	881.25	100.00	Grand Total	954.40	100.00

Source - Quarterly Performance Indicators Report, Telecom Regulatory Authority of India (TRAI)

2 – Telecom Usage Parameters

**Table 2.1 - Telecom Usage Parameters
(2007-2024)**

Year	Traffic (MOU) (minutes of use /subscriber /month) Minutes Quareter ending March		Minutes of Usages for Internet Telephony (Million) Quareter ending March
	GSM	CDMA	
	2007	471	
2008	493	364	NA
2009	484	352	131.63
2010	410	307	122.96
2011	349	263	153.92
2012	346	229	236.40
2013	383	275	249.75
2014	389	272	251.00
2015	383	265	245.00
2016	381	260	277.00
2017	405	250	258.00
2018	584	61	258.00
2019	692		197.00
2020	750		181.34
2021	818		174.89
2022	955		137.74
2023	946		78.08
2024	995		93.47

Source- Quarterly Performance Indicator Reports of TRAI.

**Table 2.2 - Category-wise Minute of Usage (MOUs) per subscriber
per month -**

Segment	MOUs	Year	Circle A	Circle B	Circle C	Metros	All India
Postpaid	Outgoing MOUs	2022-23	271.15	326.57	402.13	181.57	276.77
		2023-24	271.37	270.64	352.35	241.62	277.61
	Incoming MOUs	2022-23	251.52	312.85	363.13	160.72	255.20
		2023-24	256.45	270.25	345.66	223.06	266.73
	Total MOUs	2022-23	522.67	639.42	765.25	342.30	531.97
		2023-24	527.82	540.89	698.01	464.68	544.35
Prepaid	Outgoing MOUs	2022-23	427.80	467.14	576.26	513.28	475.21
		2023-24	447.00	491.58	615.13	488.07	496.38
	Incoming MOUs	2022-23	421.40	475.33	601.88	472.53	477.30
		2023-24	443.66	499.42	637.25	466.43	500.28
	Total MOUs	2022-23	849.20	942.48	1178.14	985.81	952.51
		2023-24	890.66	991.00	1252.38	954.49	996.66
Blended	Outgoing MOUs	2022-23	415.47	461.00	563.34	434.79	459.46
		2023-24	433.02	481.65	594.78	442.76	479.91
	Incoming MOUs	2022-23	408.03	468.24	584.15	398.75	459.67
		2023-24	428.76	489.12	614.67	421.69	482.70
	Total MOUs	2022-23	823.50	929.24	1147.49	833.54	919.14
		2023-24	861.78	970.77	1209.45	864.46	962.61

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

Source: TRAI, Yearly Performance Indicators of Indian Telecom Sector - 2023-24. Year=Financial Year

Table 2.3 - Wireless Data usage (in PB per Year)

Year Ending	2G Data Usage	3G Data Usage	4G Data Usage	5G Data Usage	CDMA Data Usage	Total Volume of Data Usage
2015	479	700	-	-	196	1375
2016	477	1221	2775	-	169	4642
2017	423	3187	16426	-	56	20092
2018	443	5654	40304	-	3	46404
2019	488	4705	71125	-	-	76319
2020	669	3055	99798	-	-	103522
2020-21	629	2704	100874	-	-	104207
2021-22	507	2057	134895	-	-	137459
2022-23	251	1598	158206	-	-	160054
2023-24	184	1314	172201	21074	-	194774

Source- Yearly Performance Indicator Reports of TRAI,
Calender Year figures Upto 2020 and 2020-21 onwards Financial Year.

Table 2.4 - Average Wireless Data usage (in GB) per data user per month

Year Ending	2G Data Usage	3G Data Usage	4G Data Usage	5G Data Usage	CDMA Data Usage	GSMA Data Usage	Total Wireless Data Usage
2014	0.14	0.62	-	-	1.72	0.23	0.27
2015	0.20	0.75	-	-	2.53	0.35	0.41
2016	0.23	0.79	12.42	-	2.31	1.16	1.14
2017	0.30	2.29	7.95	-	3.67	4.13	4.11
2018	0.54	5.26	9.73	-	2.15	7.69	7.60
2019	0.64	7.05	11.26	-	0.00	9.85	9.85
2020	1.16	8.26	12.71	-	0.00	11.77	11.76
2020-21	1.20	8.33	13.01	-	-	-	12.11
2021-22	1.14	8.47	15.79	-	-	-	14.89
2022-23	0.63	7.69	17.98	-	-	-	17.02
2023-24	0.50	7.18	20.75	15.99	-	-	19.30

Source- Yearly Performance Indicator Reports of TRAI,
Calender Year figures Upto 2020 and 2020-21 onwards Financial Year.

Table 2.5 - Category-wise average number of outgoing SMS per subscriber per month -

Category	Postpaid		Prepaid		Blended	
	2021-22	2022-23	2021-22	2022-23	2021-22	2022-23
Circle A	29.05	13.01	12.78	11.49	14.06	11.61
Circle B	10.13	6.68	11.30	10.61	11.25	10.43
Circle C	14.63	12.00	16.08	15.55	15.97	15.28
Metro	8.89	7.48	10.44	8.65	10.07	8.43
All India	16.75	9.99	12.50	11.53	12.83	11.41

Source: TRAI, Yearly Performance Indicators of Indian Telecom Sector - 2023-24.

3 – Service Area Wise Performance

(The geographical areas covered under telecom 'service areas' are given at Annexure-I)

Service Area wise Subscribers : Overall

Telecom Subscribers (In Million)							
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
2020	1176.79	19.13	1157.67	521.26	655.54	134.97	1041.82
2021	1200.88	20.24	1180.64	537.11	663.76	131.16	1069.72
2022	1166.84	24.82	1142.02	519.63	647.21	127.10	1039.74
2023	1172.32	28.36	1143.96	518.42	653.90	115.44	1056.89
2024	1198.75	32.89	1165.86	533.34	665.41	98.96	1099.79
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
2020	88.66	1.44	87.22	57.87	153.68	10.17	78.49
2021	88.15	1.49	86.66	60.17	141.29	9.63	78.52
2022	84.87	1.81	83.07	57.98	135.23	9.25	75.63
2023	84.51	2.04	82.46	57.61	134.18	8.32	76.19
2024	85.65	2.35	83.30	59.03	134.13	7.07	78.58

Source - DOT

3.1 - Andhra Pradesh

Telecom Subscribers (In Million)							
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
2020	89.07	1.22	87.86	43.21	45.86	10.63	78.44
2021	90.14	1.41	88.73	44.88	45.26	10.25	79.89
2022	85.12	1.99	83.12	41.52	43.59	9.99	75.12
2023	84.91	2.46	82.45	40.96	43.95	8.69	76.22
2024	86.81	2.99	83.83	41.47	45.34	7.11	79.70
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
2020	7.57	6.35	7.59	8.29	7.00	7.88	7.53
2021	7.51	6.97	7.52	8.36	6.82	7.81	7.47
2022	7.29	8.04	7.28	7.99	6.74	7.86	7.23
2023	7.24	8.66	7.21	7.90	6.72	7.53	7.21
2024	7.24	9.08	7.19	7.78	6.81	7.18	7.25
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
2020	97.88	1.34	96.55	66.05	179.35	11.69	86.19
2021	99.56	1.56	98.00	82.59	125.04	11.32	88.24
2022	93.63	2.19	91.43	76.94	118.01	10.99	82.64
2023	93.02	2.69	90.33	76.44	116.60	9.52	83.50
2024	94.73	3.26	91.47	77.97	117.91	7.76	86.97

Source - DOT

3.2 - Assam

Telecom Subscribers (In Million)							
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
2020	23.72	0.10	23.62	13.88	9.84	2.90	20.82
2021	24.85	0.13	24.72	15.68	9.17	3.12	21.74
2022	24.25	0.21	24.05	15.18	9.07	3.31	20.94
2023	25.28	0.28	24.99	15.91	9.36	3.29	21.98
2024	26.70	0.34	26.37	17.08	9.63	3.18	23.52
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
2020	2.02	0.51	2.04	2.66	1.50	2.15	2.00
2021	2.07	0.66	2.09	2.92	1.38	2.38	2.03
2022	2.08	0.84	2.11	2.92	1.40	2.61	2.01
2023	2.16	1.00	2.18	3.07	1.43	2.85	2.08
2024	2.23	1.02	2.26	3.20	1.45	3.21	2.14
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
2020	70.01	0.29	69.72	49.39	170.31	8.57	61.44
2021	70.86	0.38	70.48	52.82	170.52	8.88	61.98
2022	68.50	0.59	67.91	50.72	165.83	9.36	59.14
2023	70.72	0.79	69.93	52.74	168.25	9.22	61.50
2024	74.02	0.93	73.09	56.15	170.03	8.81	65.20

Source - DOT

3.3 - Bihar

Telecom Subscribers (In Million)							
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
2020	84.88	0.16	84.72	56.28	28.60	5.77	79.11
2021	86.66	0.24	86.42	56.85	29.81	5.92	80.73
2022	86.76	0.44	86.32	57.50	29.26	5.61	81.15
2023	91.92	0.70	91.22	60.91	31.01	5.96	85.96
2024	96.45	0.98	95.48	64.41	32.04	5.40	91.05
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
2020	7.21	0.83	7.32	10.80	4.36	4.28	7.59
2021	7.22	1.18	7.32	10.58	4.49	4.52	7.55
2022	7.44	1.77	7.56	11.07	4.52	4.41	7.81
2023	7.84	2.46	7.97	11.75	4.74	5.16	8.13
2024	8.05	2.97	8.19	12.08	4.81	5.46	8.28
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
2020	59.04	0.11	58.93	45.49	142.72	4.02	55.02
2021	53.57	0.15	53.43	41.54	119.71	3.66	49.91
2022	52.88	0.27	52.61	41.47	115.10	3.42	49.46
2023	55.23	0.42	54.81	43.36	119.55	3.58	51.65
2024	57.16	0.58	56.58	45.27	121.05	3.20	53.96

Source - DOT

3.4 - Gujarat

Telecom Subscribers (In Million)							
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
2020	68.80	0.87	67.93	26.81	41.99	6.75	62.05
2021	70.36	0.95	69.41	28.13	42.23	6.37	63.99
2022	68.36	1.06	67.30	26.83	41.53	5.98	62.38
2023	67.44	1.21	66.23	26.04	41.40	5.37	62.08
2024	67.55	1.59	65.97	25.63	41.92	3.53	64.02
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
2020	5.85	4.55	5.87	5.14	6.41	5.00	5.96
2021	5.86	4.70	5.88	5.24	6.36	4.86	5.98
2022	5.86	4.28	5.89	5.16	6.42	4.70	6.00
2023	5.75	4.28	5.79	5.02	6.33	4.65	5.87
2024	5.64	4.83	5.66	4.81	6.30	3.57	5.82
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
2020	103.51	1.31	102.20	70.98	146.32	10.15	93.36
2021	99.18	1.34	97.84	76.62	123.36	8.98	90.19
2022	95.08	1.48	93.60	72.89	118.36	8.31	86.77
2023	92.58	1.66	90.92	70.57	115.18	7.37	85.22
2024	91.53	2.15	89.38	69.29	113.89	4.79	86.75

Source - DOT

3.5 - Haryana

Telecom Subscribers (In Million)							
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
2020	27.91	0.24	27.67	12.78	15.13	5.18	22.73
2021	28.11	0.23	27.88	12.51	15.60	5.18	22.93
2022	27.56	0.34	27.22	12.21	15.34	5.12	22.44
2023	27.10	0.46	26.64	12.05	15.04	4.78	22.32
2024	27.22	0.59	26.62	12.23	14.99	4.32	22.90
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
2020	2.37	1.24	2.39	2.45	2.31	3.84	2.18
2021	2.34	1.14	2.36	2.33	2.35	3.95	2.14
2022	2.36	1.35	2.38	2.35	2.37	4.03	2.16
2023	2.31	1.61	2.33	2.32	2.30	4.14	2.11
2024	2.27	1.81	2.28	2.29	2.25	4.36	2.08
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
2020	96.14	0.82	95.32	71.26	136.37	17.84	78.30
2021	95.24	0.78	94.46	71.82	128.99	17.56	77.68
2022	92.24	1.12	91.12	69.95	123.60	17.14	75.10
2023	89.61	1.51	88.09	68.89	118.04	15.80	73.81
2024	88.93	1.94	86.99	69.78	114.61	14.11	74.82

Source - DOT

3.6 - Himachal Pradesh

Telecom Subscribers (In Million)							
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
2020	10.89	0.10	10.79	7.33	3.56	3.09	7.80
2021	11.28	0.09	11.19	7.56	3.72	3.10	8.18
2022	10.29	0.12	10.17	6.77	3.52	2.86	7.43
2023	8.94	0.14	8.80	5.78	3.16	1.68	7.26
2024	8.97	0.17	8.80	5.77	3.19	1.56	7.40
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
2020	0.93	0.51	0.93	1.41	0.54	2.29	0.75
2021	0.94	0.44	0.95	1.41	0.56	2.36	0.77
2022	0.88	0.49	0.89	1.30	0.54	2.25	0.71
2023	0.76	0.51	0.77	1.12	0.48	1.46	0.69
2024	0.75	0.51	0.75	1.08	0.48	1.58	0.67
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
2020	148.85	1.34	147.51	114.24	395.72	42.19	106.66
2021	152.50	1.20	151.30	113.87	490.11	41.87	110.63
2022	138.44	1.63	136.81	101.51	460.65	38.50	99.94
2023	119.69	1.92	117.77	86.31	409.74	22.50	97.19
2024	119.43	2.22	117.21	85.78	411.38	20.83	98.61

Source - DOT

3.7 - Jammu & Kashmir

Telecom Subscribers (In Million)							
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
2020	11.98	0.12	11.86	5.75	6.23	1.38	10.60
2021	12.21	0.17	12.04	5.68	6.53	1.36	10.85
2022	12.23	0.28	11.95	5.67	6.56	1.42	10.81
2023	12.37	0.35	12.02	5.96	6.41	0.91	11.46
2024	12.48	0.40	12.08	6.01	6.48	0.85	11.63
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
2020	1.02	0.63	1.02	1.10	0.95	1.02	1.02
2021	1.02	0.83	1.02	1.06	0.98	1.04	1.01
2022	1.05	1.13	1.05	1.09	1.01	1.12	1.04
2023	1.06	1.23	1.05	1.15	0.98	0.79	1.08
2024	1.04	1.23	1.04	1.13	0.97	0.86	1.06
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
2020	92.91	0.93	91.97	62.53	168.24	10.68	82.22
2021	89.01	1.23	87.78	59.18	158.50	9.90	79.11
2022	88.55	2.03	86.52	58.91	156.72	10.30	78.25
2023	88.94	2.51	86.43	61.71	150.77	6.57	82.37
2024	89.08	2.88	86.20	61.97	149.85	6.09	82.99

Source - DOT

3.8 - Karnataka

Telecom Subscribers (In Million)							
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
2020	69.72	2.10	67.63	28.57	41.16	8.18	61.54
2021	70.79	2.16	68.64	27.57	43.22	7.94	62.86
2022	67.37	2.70	64.67	25.80	41.57	7.74	59.63
2023	69.02	3.11	65.91	25.61	43.41	6.86	62.16
2024	70.33	3.42	66.91	25.49	44.84	4.70	65.63
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
2020	5.92	10.95	5.84	5.48	6.28	6.06	5.91
2021	5.90	10.65	5.81	5.13	6.51	6.05	5.88
2022	5.77	10.89	5.66	4.97	6.42	6.09	5.74
2023	5.89	10.98	5.76	4.94	6.64	5.95	5.88
2024	5.87	10.40	5.74	4.78	6.74	4.74	5.97
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
2020	108.19	3.25	104.94	74.13	158.84	12.70	95.49
2021	105.85	3.22	102.63	72.96	148.59	11.87	93.98
2022	100.10	4.02	96.09	68.42	140.47	11.50	88.60
2023	101.91	4.60	97.31	68.06	144.22	10.14	91.77
2024	103.20	5.02	98.18	67.91	146.45	6.89	96.31

Source - DOT

3.9 - Kerala

Telecom Subscribers (In Million)							
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
2020	44.98	1.54	43.43	20.92	24.06	12.39	32.59
2021	46.04	1.21	44.84	20.41	25.64	11.95	34.10
2022	44.69	1.32	43.37	19.97	24.73	11.57	33.12
2023	43.79	1.38	42.41	19.56	24.23	10.90	32.89
2024	43.80	1.54	42.26	19.33	24.47	10.14	33.66
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
2020	3.82	8.07	3.75	4.01	3.67	9.18	3.13
2021	3.83	5.96	3.80	3.80	3.86	9.11	3.19
2022	3.83	5.32	3.80	3.84	3.82	9.11	3.19
2023	3.74	4.87	3.71	3.77	3.71	9.45	3.11
2024	3.65	4.68	3.62	3.62	3.68	10.24	3.06
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
2020	123.19	4.23	118.97	76.55	261.98	33.94	89.26
2021	129.45	3.39	126.06	199.48	101.18	33.58	95.87
2022	125.15	3.70	121.45	210.29	94.32	32.41	92.74
2023	122.13	3.85	118.28	223.05	89.45	30.41	91.72
2024	121.65	4.28	117.38	239.83	87.56	28.15	93.50

Source - DOT

3.10 - Madhya Pradesh

Telecom Subscribers (In Million)							
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
2020	75.85	0.62	75.23	34.38	41.47	6.73	69.13
2021	78.59	0.72	77.87	35.61	42.98	6.57	72.03
2022	77.79	1.04	76.76	34.84	42.95	6.31	71.49
2023	77.99	1.32	76.67	34.89	43.10	5.61	72.38
2024	81.25	1.75	79.50	37.34	43.91	4.94	76.30
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
2020	6.45	3.24	6.50	6.60	6.33	4.98	6.64
2021	6.54	3.56	6.60	6.63	6.48	5.01	6.73
2022	6.67	4.17	6.72	6.70	6.64	4.96	6.88
2023	6.65	4.66	6.70	6.73	6.59	4.86	6.85
2024	6.78	5.32	6.82	7.00	6.60	5.00	6.94
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
2020	69.40	0.57	68.83	43.77	134.83	6.15	63.24
2021	68.87	0.63	68.24	43.46	133.59	5.75	63.11
2022	67.35	0.90	66.46	42.11	131.14	5.46	61.89
2023	66.73	1.13	65.60	41.76	129.30	4.80	61.93
2024	68.71	1.48	67.23	44.28	129.44	4.18	64.53

Source - DOT

3.11 - Maharashtra

Telecom Subscribers (In Million)							
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
2020	94.11	1.31	92.80	43.59	50.52	7.93	86.18
2021	96.17	1.26	94.91	44.25	51.93	7.56	88.61
2022	93.69	1.39	92.30	42.96	50.73	7.36	86.33
2023	93.03	1.46	91.57	41.73	51.30	6.99	86.04
2024	94.95	1.62	93.32	41.86	53.09	6.36	88.58
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
2020	8.00	6.87	8.02	8.36	7.71	5.87	8.27
2021	8.01	6.24	8.04	8.24	7.82	5.77	8.28
2022	8.03	5.59	8.08	8.27	7.84	5.79	8.30
2023	7.94	5.14	8.00	8.05	7.85	6.06	8.14
2024	7.92	4.94	8.00	7.85	7.98	6.43	8.05
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
2020	91.55	1.28	90.27	68.16	130.05	7.71	83.83
2021	95.83	1.26	94.57	67.92	147.49	7.53	88.30
2022	93.35	1.38	91.96	65.79	144.67	7.33	86.02
2023	92.80	1.45	91.34	63.76	147.38	6.98	85.82
2024	95.04	1.63	93.41	63.82	154.68	6.37	88.66

Source - DOT

3.12 - North-East

Telecom Subscribers (In Million)							
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
2020	12.11	0.09	12.02	5.73	6.39	1.51	10.60
2021	12.55	0.10	12.45	6.34	6.22	1.44	11.12
2022	12.08	0.16	11.92	5.99	6.09	1.44	10.64
2023	12.56	0.21	12.35	6.23	6.34	1.44	11.13
2024	12.81	0.26	12.55	6.44	6.38	1.31	11.50
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
2020	1.03	0.48	1.04	1.10	0.97	1.12	1.02
2021	1.05	0.51	1.05	1.18	0.94	1.10	1.04
2022	1.04	0.66	1.04	1.15	0.94	1.13	1.02
2023	1.07	0.76	1.08	1.20	0.97	1.25	1.05
2024	1.07	0.80	1.08	1.21	0.96	1.33	1.05
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
2020	83.37	0.63	82.75	53.33	168.53	10.42	72.96
2021	81.11	0.66	80.45	61.61	119.74	9.29	71.82
2022	77.35	1.05	76.30	58.22	114.23	9.21	68.14
2023	79.71	1.36	78.35	60.55	115.68	9.12	70.58
2024	80.55	1.65	78.90	62.58	113.41	8.26	72.30

Source - DOT

3.13 - Odisha

Telecom Subscribers (In Million)							
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
2020	33.53	0.20	33.33	22.34	11.19	6.41	27.12
2021	34.56	0.21	34.34	22.51	12.04	6.62	27.93
2022	33.12	0.59	32.53	21.45	11.68	6.45	26.67
2023	33.55	0.40	33.16	21.90	11.65	6.40	27.16
2024	34.20	0.49	33.71	22.35	11.84	5.58	28.62
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
2020	2.85	1.06	2.88	4.29	1.71	4.75	2.60
2021	2.88	1.05	2.91	4.19	1.81	5.05	2.61
2022	2.84	2.39	2.85	4.13	1.80	5.08	2.57
2023	2.86	1.39	2.90	4.23	1.78	5.54	2.57
2024	2.85	1.49	2.89	4.19	1.78	5.63	2.60
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
2020	76.58	0.46	76.12	62.62	137.98	14.65	61.93
2021	78.46	0.48	77.98	62.73	147.63	15.04	63.42
2022	74.99	1.34	73.64	59.73	141.28	14.60	60.38
2023	75.74	0.89	74.85	60.96	139.14	14.44	61.30
2024	76.97	1.10	75.86	62.18	139.62	12.55	64.42

Source - DOT

3.14 - Punjab

Telecom Subscribers (In Million)							
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
2020	39.83	0.66	39.17	13.65	26.19	6.09	33.74
2021	39.54	0.71	38.84	13.59	25.95	5.99	33.55
2022	37.67	0.68	36.99	12.72	24.95	5.62	32.06
2023	36.88	1.21	35.66	12.25	24.62	5.12	31.76
2024	36.81	1.67	35.14	12.29	24.51	4.37	32.43
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
2020	3.39	3.46	3.38	2.62	3.99	4.51	3.24
2021	3.29	3.49	3.29	2.53	3.91	4.56	3.14
2022	3.23	2.76	3.24	2.45	3.86	4.42	3.08
2023	3.15	4.28	3.12	2.36	3.77	4.43	3.01
2024	3.07	5.08	3.01	2.30	3.68	4.42	2.95
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
2020	123.52	2.05	121.47	78.56	176.04	18.89	104.62
2021	125.27	2.24	123.04	76.05	189.54	18.97	106.31
2022	118.57	2.15	116.41	71.15	179.57	17.67	100.89
2023	115.32	3.79	111.52	68.54	174.63	16.00	99.32
2024	114.36	5.19	109.17	68.76	171.35	13.59	100.77

Source - DOT

3.15 - Rajasthan

Telecom Subscribers (In Million)							
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
2020	65.98	0.45	65.54	35.64	30.35	6.63	59.35
2021	66.77	0.47	66.30	36.45	30.32	6.65	60.12
2022	63.88	0.69	63.19	34.38	29.50	6.84	57.04
2023	64.43	0.84	63.59	34.03	30.40	6.39	58.04
2024	67.35	1.01	66.33	35.95	31.40	5.82	61.52
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
2020	5.61	2.35	5.66	6.84	4.63	4.91	5.70
2021	5.56	2.33	5.62	6.79	4.57	5.07	5.62
2022	5.47	2.78	5.53	6.62	4.56	5.38	5.49
2023	5.50	2.96	5.56	6.56	4.65	5.54	5.49
2024	5.62	3.08	5.69	6.74	4.72	5.88	5.59
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
2020	85.88	0.58	85.29	61.34	161.97	8.63	77.25
2021	84.14	0.59	83.55	62.36	145.07	8.38	75.77
2022	79.62	0.86	78.76	58.29	138.83	8.52	71.10
2023	79.45	1.04	78.41	57.18	140.79	7.88	71.57
2024	82.16	1.24	80.92	59.88	143.11	7.10	75.06

Source - DOT

3.16 - Tamil Nadu

Telecom Subscribers (In Million)							
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
2020	83.80	1.91	81.89	25.98	57.82	13.77	70.03
2021	84.41	1.89	82.52	25.08	59.33	11.71	72.70
2022	81.15	2.35	78.80	23.57	57.58	10.69	70.46
2023	81.25	2.63	78.62	23.34	57.91	10.95	70.29
2024	81.34	2.90	78.44	24.48	56.85	8.58	72.76
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
2020	7.12	10.00	7.07	4.99	8.82	10.20	6.72
2021	7.03	9.32	6.99	4.67	8.94	8.93	6.80
2022	6.95	9.46	6.90	4.54	8.90	8.41	6.78
2023	6.93	9.26	6.87	4.50	8.86	9.49	6.65
2024	6.79	8.82	6.73	4.59	8.54	8.67	6.62
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
2020	115.45	2.64	112.81	98.80	124.90	18.97	96.48
2021	108.22	2.42	105.80	68.67	143.05	15.02	93.21
2022	103.69	3.00	100.69	64.92	137.22	13.66	90.03
2023	103.46	3.35	100.12	64.70	136.40	13.95	89.52
2024	103.23	3.68	99.54	68.30	132.37	10.89	92.34

Source - DOT

3.17 - Uttar Pradesh *

Telecom Subscribers (In Million)							
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
2020	160.75	0.61	160.14	84.11	76.65	18.15	142.61
2021	165.13	0.75	164.37	93.98	71.15	17.66	147.46
2022	165.84	1.15	164.69	93.29	72.55	17.35	148.50
2023	163.68	1.51	162.16	91.96	71.72	14.38	149.30
2024	167.59	1.93	165.66	95.17	72.42	12.57	155.02
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
2020	13.66	3.21	13.83	16.14	11.69	13.44	13.69
2021	13.75	3.73	13.92	17.50	10.72	13.47	13.79
2022	14.21	4.65	14.42	17.95	11.21	13.65	14.28
2023	13.96	5.34	14.18	17.74	10.97	12.45	14.13
2024	13.98	5.88	14.21	17.84	10.88	12.70	14.10
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	71.36	0.34	71.01	46.73	153.12	7.76	63.60
2019	68.63	0.31	68.32	49.22	132.63	7.69	60.94
2020	66.20	0.25	65.95	45.22	134.86	7.47	58.73
2021	68.09	0.31	67.78	51.18	120.84	7.28	60.81
2022	67.68	0.47	67.21	50.39	121.16	7.08	60.61
2023	66.12	0.61	65.51	49.27	117.79	5.81	60.32
2024	67.03	0.77	66.25	50.58	117.00	5.03	62.00

Source - DOT

* UP (East) and UP (West) combined

3.18 - West Bengal

Telecom Subscribers (In Million)							
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
2020	55.24	0.17	55.07	34.57	20.67	2.53	52.70
2021	56.55	0.26	56.29	34.85	21.70	2.73	53.82
2022	56.75	0.38	56.37	34.57	22.18	2.88	53.87
2023	57.15	0.52	56.63	34.80	22.34	2.72	54.43
2024	58.38	0.51	57.86	35.26	23.11	2.48	55.89
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
2020	4.69	0.87	4.76	6.63	3.15	1.88	5.06
2021	4.71	1.28	4.77	6.49	3.27	2.08	5.03
2022	4.86	1.52	4.94	6.65	3.43	2.26	5.18
2023	4.87	1.82	4.95	6.71	3.42	2.36	5.15
2024	4.87	1.56	4.96	6.61	3.47	2.51	5.08
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
2020	67.80	0.20	67.60	49.67	174.12	3.11	64.69
2021	68.50	0.31	68.19	54.93	113.53	3.30	65.20
2022	68.77	0.46	68.31	54.59	115.52	3.49	65.28
2023	69.35	0.63	68.72	55.07	116.35	3.30	66.05
2024	71.09	0.63	70.46	55.91	121.36	3.02	68.06

Source - DOT

3.19 - Kolkata

Telecom Subscribers (In Million)							
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
2020	26.35	0.62	25.73	1.88	24.47	2.49	23.87
2021	27.35	0.67	26.67	1.50	25.85	2.85	24.50
2022	24.67	0.90	23.77	1.53	23.14	2.64	22.03
2023	24.95	0.87	24.08	1.62	23.33	2.38	22.57
2024	25.01	1.01	24.00	1.67	23.34	2.30	22.71
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
2020	2.24	3.24	2.22	0.36	3.73	1.84	2.29
2021	2.28	3.33	2.26	0.28	3.89	2.18	2.29
2022	2.11	3.62	2.08	0.29	3.58	2.08	2.12
2023	2.13	3.06	2.11	0.31	3.57	2.06	2.14
2024	2.09	3.07	2.06	0.31	3.51	2.33	2.06
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
2020	159.69	3.75	155.94	#	#	15.07	144.63
2021	163.86	4.04	159.82	#	#	17.09	146.77
2022	143.38	5.23	138.16	#	#	15.36	128.02
2023	140.09	4.87	135.22	#	#	13.37	126.72
2024	134.59	5.44	129.16	#	#	12.39	122.21

Source - DOT

: Rural -Urban breakup of population not available

3.20 - Chennai

Telecom Subscribers (In Million)							
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 after year 2011						
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							
2021							
2022							
2023							
2024							
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 after year 2011						
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							
2021							
2022							
2023							
2024							
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 after year 2011						
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							
2021							
2022							
2023							
2024							

Source - DOT

: Rural -Urban breakup of population not available

3.21 - Delhi

Telecom Subscribers (In Million)							
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
2020	56.58	3.18	53.40	1.73	54.85	3.58	53.00
2021	58.10	3.55	54.55	2.17	55.94	3.48	54.62
2022	56.20	3.93	52.27	1.76	54.44	3.44	52.76
2023	58.51	4.03	54.48	1.70	56.82	2.69	55.83
2024	60.90	4.21	56.70	1.77	59.14	2.45	58.46

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
2020	4.81	16.63	4.61	0.33	8.37	2.65	5.09
2021	4.84	17.54	4.62	0.40	8.43	2.65	5.11
2022	4.82	15.82	4.58	0.34	8.41	2.70	5.07
2023	4.99	14.23	4.76	0.33	8.69	2.33	5.28
2024	5.08	12.79	4.86	0.33	8.89	2.47	5.32

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
2020	236.99	13.32	223.67	#	#	14.98	222.01
2021	282.01	17.23	264.78	#	#	16.89	265.12
2022	267.64	18.70	248.93	#	#	16.37	251.27
2023	273.53	18.86	254.67	#	#	12.56	260.98
2024	279.57	19.31	260.26	#	#	11.24	268.33

Source - DOT

: Rural -Urban breakup of population not available

3.22 - Mumbai

Telecom Subscribers (In Million)							
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
2020	40.69	2.86	37.83	2.12	38.57	2.88	37.81
2021	40.71	3.06	37.65	1.52	39.19	2.72	37.99
2022	37.36	3.09	34.27	1.12	36.24	2.49	34.87
2023	37.57	3.26	34.30	1.18	36.39	1.93	35.64
2024	37.86	3.50	34.36	1.34	36.52	1.40	36.46
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
2020	3.46	14.95	3.27	0.41	5.88	2.13	3.63
2021	3.39	15.10	3.19	0.28	5.90	2.07	3.55
2022	3.20	12.47	3.00	0.22	5.60	1.96	3.35
2023	3.20	11.51	3.00	0.23	5.56	1.67	3.37
2024	3.16	10.64	2.95	0.25	5.49	1.41	3.32
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
2020	161.48	11.35	150.14	#	#	11.42	150.06
2021	158.26	11.88	146.38	#	#	10.57	147.69
2022	139.96	11.59	128.36	#	#	9.33	130.63
2023	135.17	11.74	123.43	#	#	6.93	128.25
2024	130.01	12.02	117.99	#	#	4.80	125.22

Source - DOT

: Rural -Urban breakup of population not available

4 – Operator Wise Statistics

Table 4.1 - Number of Subscribers (Public & Private Sector Operators) (2008-2024)

(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
2020	134.97	1041.82	1176.79
2021	131.16	1069.72	1200.88
2022	127.10	1039.74	1166.84
2023	115.44	1056.89	1172.32
2024	98.96	1099.79	1198.75

Source - DOT

Table 4.2 - Share of Public & Private Sector Operators in Total Subscribers (%) (2008-2024)

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
2020	11.47	88.53
2021	10.92	89.08
2022	10.89	89.11
2023	9.85	90.15
2024	8.26	91.74

Source - DOT

Table 4.3 - PSU Telecom Subscribers in India (2008-2024)

(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
2020	128.52	6.45
2021	124.96	6.20
2022	121.17	5.93
2023	110.83	4.61
2024	95.11	3.84

Source - DOT

Table 4.4 - PSU Operators' percent share to Total (All Operators) (2008-2024)

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
2020	10.92	0.55
2021	10.41	0.52
2022	10.38	0.51
2023	9.45	0.39
2024	7.93	0.32

Source - DOT

Table 4.5 - Subscribers of Private Operators in India (2008-2024)

(In Million)															
At the end of	Bharti Airtel	Reliance communications	Reliance -Jio	VodafoneIdea *	TATA	Idea*	Aircel	Loop/BPL mobile	Quadrant/HF CL	SISTEMA	Telewings/U ninor	Stel	Etisalat DB Telcom	Videocon	V-CON Mobile Infra & Pvt Ltd
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	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	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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	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	0.00
2020	332.21	0.52	387.52	319.62	1.77	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00
2021	357.17	0.22	426.25	284.23	1.63	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00
2022	366.18	0.18	410.17	261.35	1.60	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00
2023	378.06	0.15	439.35	237.45	1.54	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00
2024	394.54	0.13	481.77	220.60	2.29	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.05

Source - DOT

Note: Aircel mobile data is till February 2018

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

Table 4.6 - Private Operators' Subscriber percent share to Total (All Operators) (2008-2024)

At the end of	Bharti Airtel	Reliance communications	Reliance -Jio	Vodafone*	TATA	Idea*	Aircel	Loop/BPL mobile	Quadrant/HF CL	SISTEMA	Telewings/U ninor	Stel	Etisalat DB Telcom	Videocon	V-CON Mobile Infra & Pvt Ltd
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	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	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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	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	0.00
2020	28.23	0.04	32.93	27.16	0.15	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
2021	29.74	0.02	35.49	23.67	0.14	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
2022	31.38	0.02	35.15	22.40	0.14	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
2023	32.25	0.01	37.48	20.25	0.13	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
2024	32.91	0.01	40.19	18.40	0.19	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00

Source - DOT

Note: Aircel mobile data is till February 2018

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

5 – Financials of Telecom Operators

**5.1 - Gross Revenue (GR) and Adjusted Gross Revenue (AGR) for the
F.Y. 2023-24**

(Figures are ₹ in crore)

Name of Company	Circle	License	Gross Revenue (GR)	Adjusted Gross Revenue (AGR)
AT&T Global Network Services India Pvt. Ltd.	All India	NLD	63.91	63.91
	All India	ISP	0.00	0.00
	All India	ILD	683.15	683.15
	All India	UL-VNO-ISP-A	28.63	12.25
	All India	UL-ISP (A)	98.80	98.80
Bharti Airtel Ltd.	AP	UL	8403.91	7634.02
	Assam	UASL	2686.68	2267.27
	Bihar	UASL	8688.78	6421.37
	TN & Chennai	UASL	7696.10	6987.74
	Delhi	UL	6524.01	4166.43
	Gujarat	UASL	3545.69	2886.77
	Haryana	UASL	1904.53	1439.56
	HP	UL	911.67	748.60
	J&K	UASL	1374.10	1283.60
	Karnataka	UL	9093.71	7516.77
	Kerala	UASL	2413.73	2116.89
	Kolkata	UL	1438.24	1147.47
	MP	UASL	3604.52	3114.80
	Maharashtra	UASL	6419.58	5627.78
	Mumbai	UASL	3439.21	2515.30
	Orissa	UASL	2592.59	2182.08
	Punjab	UL	3394.76	2819.21
	UP-East	UASL	8007.05	6326.19
	UP-West	UASL	4607.27	3772.57
	West Bengal	UASL	3859.51	3122.47
	All India	NLD	8327.14	8131.31
	All India	ILD	4754.80	2543.37
	All India	UL-ISP-A	7347.83	7215.23
	All India	UL-VNO-IPLC	0.00	0.00
	All India	UL-VNO-NLD	0.00	0.00
	All India	UL-VNO-ILD	0.00	0.00
All India	UL-VNO-ISP	0.00	0.00	
All India	UL-VNO-VSAT	0.00	0.00	
Bharti Hexacom Ltd.	North East	UL	1714.30	1419.71
	Rajasthan	UL	5701.80	5010.73

Name of Company	Circle	License	Gross Revenue (GR)	Adjusted Gross Revenue (AGR)
BSNL	AP	UL	897.71	656.58
	Assam	UL	214.48	130.99
	Bihar	UL	518.00	281.64
	Tamilnadu	UL	1215.84	852.50
	Delhi	UL	2234.05	265.31
	Gujarat	UL	502.29	388.70
	Haryana	UL	209.33	166.66
	HP	UL	157.95	129.10
	J&K	UL	121.34	90.95
	Karnataka	UL	819.55	611.36
	Kerala	UL	1129.11	874.78
	Kolkata	UL	307.61	223.18
	MP	UL	666.46	388.27
	Maharashtra	UL	399.91	228.69
	Mumbai	UL	731.35	641.05
	Orissa	UL	453.51	308.22
	Punjab	UL	456.95	291.90
	UP-East	UL	898.60	464.56
	UP-West	UL	365.06	262.33
	West Benga;	UL	656.90	250.24
	Rajasthan	UL	544.82	413.52
	North East	UL	206.23	99.36
	Chennai	UL	0.00	0.00
	All India	NLD	3617.86	3097.83
All India	ILD	91.17	79.23	
All India	ISP	4526.04	4284.25	
All India	VSAT	0.26	0.26	
	others (GSPS)	87.16	87.16	
Quadrant Televentures Ltd	Punjab	UL	63.41	20.06
	Punjab	ISP	208.58	0.00
MTNL	Delhi	Basic+WLL	610.82	300.52
	Mumbai	Basic+WLL	540.78	309.60
	Delhi	Mobile	0.00	0.00
	Mumbai	Mobile	0.00	0.00
	Delhi & Mumbai	ISP	102.60	102.60
	Delhi & Mumbai	NLD	0.12	0.12
Rail Tel Corporation of India Ltd	All India	NLD	445.50	445.50
	All India	UL-ISP-A	320.19	320.19
	All India	ILD	0.00	0.00

Name of Company	Circle	License	Gross Revenue (GR)	Adjusted Gross Revenue (AGR)
Tata Teleservices Ltd.	AP	UL	302.58	260.95
	Assam	UL	0	0
	Bihar	UL	18.89	8.42
	TN (inc.Ch)	UL	225.08	190.12
	Delhi	UL	339.68	265.55
	Gujarat	UL	153.30	120.45
	Haryana	UL	40.47	30.64
	HP	UL	3.61	2.63
	J&K	UL	0.00	0.00
	Karnataka	UL	690.07	470.54
	Kerala	UL	29.49	21.97
	Kolkata	UL	69.33	51.46
	MP	UL	37.76	26.09
	Orissa	UL	18.16	12.98
	Punjab	UL	27.24	18.26
	UP-East	UL	19.84	6.67
	UP-West	UL	15.42	7.03
	West Bengal	UL	15.41	11.39
	Rajasthan	UL	35.43	24.69
	North East	UL	0.00	0.00
All India	NLD	335.94	317.17	
Tata Teleservices (Maharashtra) Ltd.	Maharashtra	UL	361.77	311.47
	Mumbai	UL	866.49	692.62
	Maharashtra	ISP-IT	0	0
Tata Communications Ltd.	All India	NLD	5577.49	3028.55
	All India	ILD	865.45	318.08
	All India	IP-II	0.00	0.00
	All India	ISP	1983.48	1983.48
Vodafone-Idea Ltd.	AP	UASL	2084.86	1800.31
	Assam	UASL	298.40	219.22
	Bihar	UASL	1127.65	433.06
	Tamilnadu	UASL	3,185.63	2,632.51
	Delhi	UL	3569.32	1454.24
	Gujarat	UASL	4785.82	3507.22
	Haryana	UL	1535.17	683.08
	HP	UASL	99.43	54.5
	J&K	UASL	44.46	35.52
	Karnataka	UASL	1593.85	1156.37
	Kerala	UASL	3300.96	2696.56
	Kolkata	UL	1470.42	830.38
	MP	UASL	2,514.83	1,784.85
	Maharashtra & Goa	UASL	4845.22	3700.47
	Mumbai	UL	4122.53	1857.66
	Orissa	UASL	218.94	145.60
	Punjab	UASL	1,491.74	1061.61
	UP-East	UASL	3,232.67	1237.16
	UP-West	UASL	3006.05	1666.23
	West Bengal	UASL	2179.47	1323.13
	North East	UASL	156.70	103.03
	Rajasthan	UASL	1981.67	1222.54
Chennai	UASL	0.00	0.00	
All India	NLD	8132.27	8071.86	
All India	ILD	3951.97	894.78	
All India	UL-ISP-A	329.44	1.89	

Name of Company	Circle	License	Gross Revenue (GR)	Adjusted Gross Revenue (AGR)
Power Grid Corporation of India Ltd	All India	NLD	835.96	835.96
	All India	ISP	64.34	64.34
Reliance Jio Infocomm Ltd	AP	UL	7596.02	7130.30
	Assam	UL	2316.39	2288.12
	Bihar	UL	8156.63	8068.63
	TN & Chennai	UL	6354.19	6311.68
	Delhi	UL	5496.65	4448.93
	Gujarat	UL	6618.93	6296.33
	Haryana	UL	1956.23	1928.72
	HP	UL	898.95	887.65
	Northeast	UL	1101.64	1054.05
	J&K	UL	1285.17	1265.76
	Karnataka	UL	5260.87	4616.38
	Kerala	UL	2752.43	2677.55
	Kolkata	UL	2385.43	1519.02
	MP	UL	8490.37	8403.20
	Maharashtra	UL	9793.18	9085.22
	Mumbai	UL	3154.82	2348.68
	Orissa	UL	3429.34	3376.60
	Punjab	UL	2848.61	2814.60
	UP-East	UL	7737.74	7173.17
	UP-West	UL	5057.77	5011.59
	Rajasthan	UL	5754.55	5705.90
	West Bengal	UL	5504.97	5455.95
	All India	NLD	1626.65	1379.17
	All India	ILD	2238.98	840.22
All India	ISP	703.25	703.25	
All India	VSAT	0.00	0.00	
All India	Resale of IPLC	0.00	0.00	
All India	INSAT-MSS	0.00	0.00	
Atria Convergence Technologies Pvt. Ltd.	All India	ISP	2084.56	10.47
Hathway Cable & Datacom Ltd	All India	ISP	714.1	623.59

Source:TRAI, Statement of GR, ApGR, AGR, License Fee and Spectrum Usage Charges for the F.Y. 2023-24
Note: Taken for Selected Operators

6 – Telecom Revenue

Table 6.1 - Revenue from Telecom Services (₹ crore) (2007-2024)

Financial Year ending March	Access Services #		Licence Fee@	¹ Spectrum Usage Charges (SUC)*	¹ Spectrum Auction related Proceeds
	Adjusted Gross Revenue (March Qtr. Ending)	ARPU per month (In ₹) (March Qtr. Ending)			
2007	NA	NA	7037.92	-	-
2008	NA	453	8854.39	-	-
2009	NA	339	9510.83	-	-
2010	96395	241	9778.65	-	-
2011	97471	147	10286.33	3435.00	106262.26 [^]
2012	107318	99	11796.87	5183.00	1722.24
2013	111256	100	11456.49	5690.00	Nil
2014	124175	114	14628.47	6884.00	18267.00
2015	138566	120	12358.29	6988.00	10854.00
2016	154640	126	15771.27	7611.00	28883.00
2017	155314	118	15614.45	7208.00	46653.00
2018	116466	81	13261.84	6118.00	11883.00
2019	103479	73	11134.01	4463.00	24894.00
2020	121390	85	39647.82	5365.00	24353.00
2021	147527	104	15273.59	7992.00	21949.00
2022	172613	114	16614.00	8197.00	60841.00
2023	201980	139	20316.00	6502.00	37816.00
2024	219424	150	36363.00	13695.96	42617.89

NA : Not Available,

[^] Entire bid amount was received upfront.

*Both Commercial & Captive, figures against the years 2015 to 2022 are updated as per reconciled report prepared based on e-lekha supplementary & actual auction related proceeds.

Source- [#]Quarterly Performance Indicator Reports of TRAI (i.e. Addition of each QE) of respective Financial Year; [@]Annual Reports of DoT, LFA [Dir (LFA-III)] and E-lekha; ¹O/o DDG (WPF) - AO-II (WF), DoT

Table 6.2 - Revenue from Telecom Services (2007-2023-24*)

Year	ARPU (₹/ subscriber/ month) March Qtr. Ending (in ₹) ~		Gross Revenue (₹crore)#	Adjusted Gross Revenue (₹crore)#	Wireless Data Revenue (₹crore)*	Average revenue realization per subscriber for Per GB wireless data (in ₹) *	Average Revenue for wireless data usage per data subscriber per month (in ₹) *
	GSM	CDMA					
2007	298.00	202.00	NA	NA	NA	NA	NA
2008	264.00	159.00	129083.00	101485.00	NA	NA	NA
2009	205.00	99.00	152360.03	113012.37	NA	NA	NA
2010	131.00	76.00	157984.74	116803.02	NA	NA	NA
2011	100.00	66.00	171718.56	121614.13	NA	NA	NA
2012	97.37	75.29	195442.03	134588.87	NA	NA	NA
2013	105.00	95.25	212591.59	140779.17	NA	NA	NA
2014	113.44	104.98	233815.14	158041.98	22,265	268.97	71.25
2015	120.68	108.21	254547.25	175829.58	31,120	226.3	90.03
2016	124.85	103.54	263709.21	187856.78	35,079	75.57	89.18
2017	82.68	131.34	274570.90	190659.42	38,882	19.35	79.98
2018	76.04	79.32	254538.08	155679.85	54,671	11.78	90.02
2019	71.39		233633.32	144681.49	59,334	7.77	76.59
2020	91.49		252824.82	162280.19	113,156	10.93	128.61
2020-21*	103.58		273458.00	186045.00	118,250	10.82	131.07
2021-22*	127.17		278183.00	218882.00	143,169	9.93	147.94
2022-23*	138.75		333697.00	249908.00	174,144	10.38	176.59
2023-24*	149.25		336066.00	270504.00	186,226	9.12	211.36

Source- #Quarterly Performance Indicator Reports of TRAI and Figures are sum of Q1 to Q4 (i.e. April to March) of respective Financial Year, ~Quarterly Performance Indicator Reports of TRAI of Q4 (i.e. QE March) of respective Financial Year, *Yearly Performance Indicator Reports of TRAI- , Calender Year figures Upto 2020 and 2020-21 onwards it is for Financial Years

Table 6.3 - Composition of ARPU per month and %age Share of Revenue - Wireless Service (In ₹)

S.No.	Item	2024	
		Revenue (excl. service tax) per subscriber per month (In ₹)	%age share
1	A.Usage from Home Service Area		
1.1	Rental Revenue	0.84	0.52
1.2	Revenue from Calls	14.97	9.34
1.3	Revenue from SMS	0.19	0.12
1.4	Revenue from data usage	138.75	86.58
1.5	Revenue from other VAS	1.12	0.70
1.6	Other Revenue	3.09	1.93
2	B. Usage outside Home Service Area		
2.1	Revenue from Out roamers	1.30	0.81
3	C. Total Revenue from Home subscribers (A+B)	160.26	100.00
4	D. Revenue from inroamers and interconnect charges received	23.27	
5	E. Total Gross Revenue (C+D)	183.53	
6	F. Net inter-operable settlement charges payable*	-29.99	
7	Net Revenue (ARPU) per month (E+F)	153.54	

Source: TRAI - Quarterly Performance Indicators Report *Includes inter-connect usage charges & Roaming Settlement Charges (RSC)

Table 6.4 - Average Revenue Per User (ARPU) per month (₹) -

Category	Postpaid		Prepaid		Blended	
	2022-23	2023-24	2022-23	2023-24	2022-23	2023-24
Circle A	213.93	209.84	155.03	164.73	159.66	168.32
Circle B	161.58	155.20	126.90	137.98	128.42	138.75
Circle C	162.53	157.10	129.37	142.00	131.83	143.17
Metro	153.23	196.48	111.08	124.40	121.05	137.65
All India	176.73	184.63	135.47	146.37	138.75	149.25

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

Source: TRAI, Yearly Performance Indicators of Indian Telecom Sector - 2023-24.

Table 6.5 - Composition of Average Revenue Per User (ARPU) per month (₹) - 2023-24

Sl.	Item	Revenue (excl. service tax) per subscriber per month for the Financial Year 2022-23	Revenue (excl. service tax) per subscriber per month for the Financial Year 2023-24
1	A. Usage from Home Service Area		
1.1	Rental Revenue	0.81	0.83
1.2	Revenue from calls	15.00	15.04
1.3	Revenue from SMS	0.22	0.20
1.4	Revenue from data usage	122.99	134.01
1.5	Revenue from VAS	1.40	1.24
1.6	Other revenue	2.97	3.48
2	B. Usage outside Home Service Area		
2.1	Revenue from Outroamers (outside HSA)	1.17	1.35
3	C. Total revenue from home subscribers (A+B)	144.56	156.15
4	D. Revenue from inroamers and interconnect charges received	25.70	22.03
5	E. Total Gross Revenue (C+D)	170.26	178.18
6	Net inter-operable settlement charges payable	-31.51	-28.93
7	Net Revenue (ARPU) (5+6)	138.75	149.25

Source: Yearly Performance Indicator Report, TRAI, 2023-24

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

Table 7.1 - LSA-wise Total Towers Count (Contd.)

Sl. No.	License Service Area	As on 31st March 2017							Total Towers
		Cell On Wheels (COW)	Ground Based Mast (GBM)	Ground Based Tower (GBT)	Low Power BTS (LPBTS)	Roof top Pole (RTP)	Roof Top Tower (RTT)	Wall mount	
1	Andhra Pradesh	99	639	18448	1338	6600	6969	17	34110
2	Assam	17	3	8311	43	260	1382	-	10016
3	Bihar	52	314	24303	464	558	3280	1	28972
4	Delhi	384	1173	1585	536	5961	8878	187	18704
5	Gujarat	119	2749	14277	195	4804	3524	64	25732
6	Himachal Pradesh	5	31	4102	111	237	475	1	4962
7	Haryana	47	82	7432	255	214	1756	-	9786
8	Jammu & Kashmir	81	79	6146	481	231	626	6	7650
9	Karnataka	43	323	16865	162	3510	7064	81	28048
10	Kolkata	9	145	2127	206	3043	2922	108	8560
11	Kerala	53	69	10590	153	657	4147	23	15692
12	Mumbai	26	372	1004	586	8899	2638	729	14254
13	Maharashtra	281	764	19788	396	3758	10560	32	35579
14	Madhya Pradesh	193	988	22963	206	1421	3869	1	29641
15	North-East	24	1	5254	21	171	891	-	6362
16	Odisha	21	103	13079	76	303	1315	-	14897
17	Punjab	169	539	9424	693	1679	4973	5	17482
18	Rajasthan	209	1337	17522	747	1080	2952	6	23853
19	Tamil Nadu	15	967	22852	242	2300	12320	38	38734
20	Uttar Pradesh (East)	82	721	23641	41	1255	4039	6	29785
21	Uttar Pradesh(West)	119	469	17619	628	931	3081	11	22858
22	West Bengal	60	59	15108	110	454	1586	-	17377
Grand Total		2108	11927	282440	7690	48326	89247	1316	443054

Source: Tarang Sanchar, DGT, DoT

Table 7.1 - LSA-wise Total Towers Count (Contd.)

Sl. No.	License Service Area	As on 31st March 2018							Total Towers
		Cell On Wheels (COW)	Ground Based Mast (GBM)	Ground Based Tower (GBT)	Low Power BTS (LPBTS)	Roof top Pole (RTP)	Roof Top Tower (RTT)	Wall mount	
1	Andhra Pradesh	146	780	19199	2606	6579	7044	13	36367
2	Assam	23	4	8711	110	272	1378	-	10498
3	Bihar	63	338	25422	2639	574	3365	1	32402
4	Delhi	591	1442	1671	1961	6665	9199	192	21721
5	Gujarat	152	3237	14595	500	4848	3411	76	26819
6	Himachal Pradesh	6	38	4003	291	228	441	1	5008
7	Haryana	92	141	7573	499	250	1828	-	10383
8	Jammu & Kashmir	94	85	6389	656	242	621	3	8090
9	Karnataka	67	399	16496	1087	3716	6805	75	28645
10	Kolkata	10	163	2209	1690	3091	3060	113	10336
11	Kerala	67	77	10596	277	749	4101	22	15889
12	Mumbai	51	499	991	1061	8982	2659	699	14942
13	Maharashtra	339	976	20198	669	3751	10256	36	36225
14	Madhya Pradesh	215	1167	23205	1002	1498	3805	2	30894
15	North-East	29	1	5532	77	169	885	1	6694
16	Odisha	59	127	13582	157	314	1309	-	15548
17	Punjab	211	785	9716	865	1760	4986	-	18323
18	Rajasthan	231	1619	18161	1009	950	2888	11	24869
19	Tamil Nadu	24	995	22235	790	2261	11702	64	38071
20	Uttar Pradesh (East)	130	1064	23222	173	1222	3947	3	29761
21	Uttar Pradesh(West)	150	527	18566	1446	952	3100	10	24751
22	West Bengal	83	77	16002	203	491	1567	2	18425
Grand Total		2833	14541	288274	19768	49564	88357	1324	464661

Source: Source: Tarang Sanchar, DGT, DoT

Table 7.1 - LSA-wise Total Towers Count (Contd.)

Sl. No.	License Service Area	As on 31st March 2019							Total Towers
		Cell On Wheels (COW)	Ground Based Mast (GBM)	Ground Based Tower (GBT)	Low Power BTS (LPBTS)	Roof top Pole (RTP)	Roof Top Tower (RTT)	Wall mount	
1	Andhra Pradesh	237	1045	21958	5309	6234	7194	7	41984
2	Assam	43	6	9849	381	290	1526	-	12095
3	Bihar	65	371	27820	5155	566	3529	1	37507
4	Delhi	659	1597	1773	4324	7141	9859	158	25511
5	Gujarat	193	4306	16757	2063	5101	3344	85	31849
6	Himachal Pradesh	11	52	4805	914	256	454	2	6494
7	Haryana	118	207	8542	1346	307	1931	-	12451
8	Jammu & Kashmir	127	103	7408	893	284	664	3	9482
9	Karnataka	93	509	18693	3864	4156	7366	76	34757
10	Kolkata	13	176	2582	2711	3298	3551	107	12438
11	Kerala	83	102	11119	661	943	4101	19	17028
12	Mumbai	88	605	1129	2456	8880	2458	378	15994
13	Maharashtra	393	1227	22531	2596	3877	10197	36	40857
14	Madhya Pradesh	316	1541	28775	3409	1733	4020	2	39796
15	North-East	36	25	6285	278	208	939	-	7771
16	Odisha	67	157	15067	385	352	1436	2	17466
17	Punjab	263	891	10244	1925	2042	4997	1	20363
18	Rajasthan	298	2212	20619	2209	1032	2994	23	29387
19	Tamil Nadu	64	1057	24344	1758	2374	12384	44	42025
20	Uttar Pradesh (East)	223	1515	24523	773	1260	4077	3	32374
21	Uttar Pradesh(West)	223	792	20050	2723	1093	3209	9	28099
22	West Bengal	125	82	18362	633	543	1702	3	21450
Grand Total		3738	18578	323235	46766	51970	91932	959	537178

Source: *Source: Tarang Sanchar, DGT, DoT*

Table 7.1 - LSA-wise Total Towers Count (Contd.)

Sl. No.	License Service Area	As on 31st March 2020							
		Cell On Wheels (COW)	Ground Based Mast (GBM)	Ground Based Tower (GBT)	Low Power BTS (LPBTS)	Roof top Pole (RTP)	Roof Top Tower (RTT)	Wall mount	Total Towers
1	Andhra Pradesh	328	1212	22888	6633	6495	7612	11	45179
2	Assam	47	9	11236	512	324	1639	-	13767
3	Bihar	100	438	32535	6035	892	4169	1	44170
4	Delhi	694	1759	1758	5713	7635	10132	156	27847
5	Gujarat	200	5771	17667	3625	5335	3407	76	36081
6	Himachal Pradesh	11	77	5326	1017	287	457	5	7180
7	Haryana	138	245	8875	1476	407	2098	-	13239
8	Jammu & Kashmir	136	132	7677	987	291	658	4	9885
9	Karnataka	114	686	20960	4705	4454	7728	73	38720
10	Kolkata	26	189	2784	3750	3407	3787	103	14046
11	Kerala	102	134	11712	807	1019	4174	23	17971
12	Mumbai	104	671	1202	3482	8430	2491	325	16705
13	Maharashtra	401	1523	24827	4586	4388	10722	37	46484
14	Madhya Pradesh	339	1896	31050	4081	2283	4158	2	43809
15	North-East	29	35	7732	346	248	954	1	9345
16	Odisha	158	163	16657	549	439	1528	2	19496
17	Punjab	328	932	10197	2360	2294	4849	2	20962
18	Rajasthan	339	2660	22243	2971	1084	3096	17	32410
19	Tamil Nadu	93	1226	26269	2325	2494	12940	34	45381
20	Uttar Pradesh (East)	219	1938	28496	1761	1265	4443	3	38125
21	Uttar Pradesh(West)	254	1045	21239	3143	1282	3445	10	30418
22	West Bengal	143	107	20723	970	638	1863	3	24447
Grand Total		4303	22848	354053	61834	55391	96350	888	595667

Source: Source: Tarang Sanchar, DGT, DoT

Table 7.1 - LSA-wise Total Towers Count (Contd.)

Sl. No.	License Service Area	As on 31st March 2021							Total Towers
		Cell On Wheels (COW)	Ground Based Mast (GBM)	Ground Based Tower (GBT)	Low Power BTS (LPBTS)	Roof top Pole (RTP)	Roof Top Tower (RTT)	Wall mount	
1	Andhra Pradesh	364	1396	23916	6797	8415	7618	27	48533
2	Assam	49	14	11542	580	681	1577	-	14443
3	Bihar	109	709	34788	6102	3984	4187	2	49881
4	Delhi	680	2006	1716	5719	10308	9506	178	30113
5	Gujarat	212	6360	18390	4248	7449	3434	75	40168
6	Himachal Pradesh	13	105	5665	1048	452	427	4	7714
7	Haryana	152	381	9418	1490	1286	2196	-	14923
8	Jammu & Kashmir	147	156	7645	979	330	689	4	9950
9	Karnataka	123	925	21986	5435	6170	7568	71	42278
10	Kolkata	28	209	2714	4307	4286	3757	98	15399
11	Kerala	117	171	12081	890	1315	4281	27	18882
12	Mumbai	103	703	1334	3278	8485	2471	292	16666
13	Maharashtra	414	2080	26200	5195	7520	11065	43	52517
14	Madhya Pradesh	344	2196	32976	4260	3901	4389	1	48067
15	North-East	32	44	7921	368	526	907	1	9799
16	Odisha	191	170	16915	689	1675	1439	3	21082
17	Punjab	353	1012	10588	2528	3182	4843	3	22509
18	Rajasthan	354	3166	23414	3204	1914	3096	18	35166
19	Tamil Nadu	109	1385	25324	2841	2785	11843	31	44318
20	Uttar Pradesh (East)	236	2640	30401	1970	2923	4462	3	42635
21	Uttar Pradesh(West)	280	1427	22742	3515	2844	3549	10	34367
22	West Bengal	168	139	21815	1180	1256	1840	6	26404
Grand Total		4578	27394	369491	66623	81687	95144	897	645814

Source: Tarang Sanchar, DGT, DoT

Table 7.1 - LSA-wise Total Towers Count

Sl. No.	License Service Area	As on 31st March 2022							Total Towers
		Cell On Wheels (COW)	Ground Based Mast (GBM)	Ground Based Tower (GBT)	Low Power BTS (LPBTS)	Roof top Pole (RTP)	Roof Top Tower (RTT)	Wall mount	
1	Andhra Pradesh	407	1634	25311	6547	10305	7865	83	52152
2	Assam	51	18	13178	573	1057	1625		16502
3	Bihar	111	982	39745	6006	6954	4607	3	58408
4	Delhi	733	2227	1775	5714	14553	9697	219	34918
5	Gujarat	211	6894	19599	3435	9255	3459	110	42963
6	Himachal Pradesh	17	112	6063	1019	679	435	6	8331
7	Haryana	167	416	9916	1424	1873	2222		16018
8	Jammu & Kashmir	159	186	8125	949	484	781	5	10689
9	Karnataka	128	1038	22710	4665	8561	7796	72	44970
10	Kolkata	34	243	2875	4133	5758	4007	98	17148
11	Kerala	124	239	12814	834	1629	4342	31	20013
12	Mumbai	92	785	1547	3023	10076	2528	292	18343
13	Maharashtra	428	2429	28417	5253	10697	11382	44	58650
14	Madhya Pradesh	363	2352	35048	4279	5240	4574	1	51857
15	North-East	33	56	8934	363	789	912	1	11088
16	Odisha	178	178	18135	628	2824	1560	3	23506
17	Punjab	412	1069	10977	2455	3837	4857	5	23612
18	Rajasthan	348	3550	25057	3074	2807	3185	17	38038
19	Tamil Nadu	122	1501	26441	2763	3576	11786	29	46218
20	Uttar Pradesh (East)	216	3080	34324	1963	4490	4680	2	48755
21	Uttar Pradesh(West)	308	1520	24785	3513	4630	3580	9	38345
22	West Bengal	187	160	23961	1167	2042	1992	7	29516
Grand Total		4829	30669	399737	63780	112116	97872	1037	710040

Source: Tarang Sanchar, DGT, DoT

Table 7.1 - LSA-wise Total Towers Count

Sl. No.	License Service Area	As on 31st March 2023							
		Cell On Wheels (COW)	Ground Based Mast (GBM)	Ground Based Tower (GBT)	Low Power BTS (LPBTS)	Roof top Pole (RTP)	Roof Top Tower (RTT)	Wall mount	Total Towers
1	Andhra Pradesh	424	1694	26301	6513	12145	7895	84	55056
2	Assam	41	18	14100	549	1449	1645	1	17803
3	Bihar	108	1003	42118	5779	9120	4818	3	62949
4	Delhi	732	2302	1832	5296	17713	9689	237	37801
5	Gujarat	233	7319	20215	3258	10143	3476	131	44775
6	Himachal Pradesh	21	125	6390	1019	960	435	7	8957
7	Haryana	188	421	10586	1380	2352	2233	1	17161
8	Jammu & Kashmir	179	206	8687	931	719	813	6	11541
9	Karnataka	143	1097	23022	4623	10957	7905	71	47818
10	Kolkata	33	269	3051	3716	6568	4164	114	17915
11	Kerala	141	255	13410	789	1875	4411	31	20912
12	Mumbai	101	812	1668	2783	11041	2533	289	19227
13	Maharashtra	393	2664	29498	4884	12703	11329	39	61510
14	Madhya Pradesh	385	2438	36230	4177	6205	4656	6	54097
15	North-East	37	66	9569	344	1158	934	1	12109
16	Odisha	185	205	19570	599	3406	1627	3	25595
17	Punjab	409	1098	11570	2324	4694	4854	5	24954
18	Rajasthan	358	3767	26361	2799	3940	3239	17	40481
19	Tamil Nadu	106	1509	27663	2771	4021	11717	18	47805
20	Uttar Pradesh (East)	234	3189	36912	1919	5656	4798	5	52713
21	Uttar Pradesh (West)	320	1534	26397	3405	5860	3625	11	41152
22	West Bengal	184	175	25620	1090	2585	2075	7	31736
Grand Total		4955	32166	420770	60948	135270	98871	1087	754067

Source: NEP Portal, DGT, DoT

Table 7.1 - LSA-wise Total Towers Count

Sl. No.	License Service Area	As on 31st March 2024							Total Towers
		Cell On Wheels (COW)	Ground Based Mast (GBM)	Ground Based Tower (GBT)	Low Power BTS (LPBTS)	Roof top Pole (RTP)	Roof Top Tower (RTT)	Wall mount	
1	Andhra Pradesh	412	1737	28019	6397	13461	7964	92	58082
2	Assam	37	60	14837	557	1636	1665	1	18793
3	Bihar	123	1014	45018	5655	10053	4979	4	66846
4	Delhi	721	2409	1950	5283	18890	9788	242	39283
5	Gujarat	213	7562	22322	3087	10380	3450	112	47126
6	Himachal Pradesh	21	130	6669	962	1070	430	7	9289
7	Haryana	185	425	11318	1347	2544	2264	1	18084
8	Jammu & Kashmir	199	220	9201	823	836	823	66	12168
9	Karnataka	137	1154	23582	4552	12090	7927	202	49644
10	Kolkata	31	278	3188	3536	6865	4251	119	18268
11	Kerala	133	256	14596	779	1951	4446	31	22192
12	Mumbai	100	887	1652	2681	11559	2504	283	19666
13	Maharashtra	384	2703	32323	4462	13883	11487	40	65282
14	Madhya Pradesh	366	2529	38648	4095	6499	4790	7	56934
15	North-East	39	82	10103	342	1337	940	1	12844
16	Odisha	204	212	21680	488	3923	1676	3	28186
17	Punjab	434	1137	11984	2289	5104	4856	5	25809
18	Rajasthan	361	3883	28873	2621	4739	3271	20	43768
19	Tamil Nadu	116	1511	29632	2615	4516	11750	43	50183
20	Uttar Pradesh (East)	267	3202	39093	1809	6738	4931	5	56045
21	Uttar Pradesh(West)	321	1560	28606	3230	6765	3693	12	44187
22	West Bengal	174	176	27705	1065	2848	2118	8	34094
Grand Total		4978	33127	450999	58675	147687	100003	1304	796773

Source: NEP Portal, DGT, DoT

Table 7.2 - LSA-wise and Technology-wise BTSs (Contd.)

Sl. No.	License Service Area	As on 31st March 2015, 2016 & 2017		
		2015	2016	2017
1	Andhra Pradesh	71213	92583	112633
2	Assam	16750	22475	28345
3	Bihar	47993	56592	65175
4	Delhi	40546	59521	75340
5	Gujarat	54303	71977	88450
6	Himachal Pradesh	8059	11174	14491
7	Haryana	21008	29509	36349
8	Jammu & Kashmir	12560	16641	21224
9	Karnataka	64185	88587	106465
10	Kolkata	23273	31210	38460
11	Kerala	38240	53158	76647
12	Mumbai	29691	41257	47463
13	Maharashtra	72997	97352	122459
14	Madhya Pradesh	52251	73211	85288
15	North-East	10500	14216	18524
16	Odisha	23188	30844	36887
17	Punjab	32872	43677	59848
18	Rajasthan	41550	52218	69946
19	Tamil Nadu	77373	102641	123602
20	Uttar Pradesh (East)	54350	72053	88680
21	Uttar Pradesh(West)	44004	53258	68840
22	West Bengal	32980	40002	50737
Grand Total		869886	1154156	1435853

Source: Tarang Sanchar, DGT, DoT

Table 7.2 - LSA-wise and Technology-wise BTSs (Contd.)

Sl. No.	License Service Area	As on 31st March 2018			
		2G BTSs	3G BTSs	4G-LTE	Total BTSs
1	Andhra Pradesh	46736	23208	62813	132757
2	Assam	14135	7373	14186	35694
3	Bihar	39968	12433	39201	91602
4	Delhi	24346	21886	42994	89226
5	Gujarat	33882	23625	50987	108494
6	Himachal Pradesh	5444	3433	7350	16227
7	Haryana	13197	10653	19354	43204
8	Jammu & Kashmir	10255	5302	11882	27439
9	Karnataka	38373	21598	56332	116303
10	Kolkata	12968	11150	18124	42242
11	Kerala	26346	21661	38119	86126
12	Mumbai	16832	10433	28607	55872
13	Maharashtra	49834	30535	64113	144482
14	Madhya Pradesh	35434	16052	44077	95563
15	North-East	9606	4940	8487	23033
16	Odisha	19290	7161	18695	45146
17	Punjab	22328	17392	36898	76618
18	Rajasthan	31105	17457	41765	90327
19	Tamil Nadu	49461	29525	63137	142123
20	Uttar Pradesh (East)	43057	22570	48853	114480
21	Uttar Pradesh(West)	31002	19020	41612	91634
22	West Bengal	26832	11684	29919	68435
Grand Total		600431	349091	787505	1737027

Source: Tarang Sanchar, DGT, DoT

Table 7.2 - LSA-wise and Technology-wise BTSs (Contd.)

Sl. No.	License Service Area	As on 31st March 2019			
		2G BTSs	3G BTSs	4G-LTE	Total BTSs
1	Andhra Pradesh	37865	24309	90770	152944
2	Assam	13735	7400	23348	44483
3	Bihar	28233	13852	69909	111994
4	Delhi	24022	22911	55223	102156
5	Gujarat	30738	25193	79159	135090
6	Himachal Pradesh	5485	3563	12503	21551
7	Haryana	10615	9177	28905	48697
8	Jammu & Kashmir	10555	5647	20782	36984
9	Karnataka	36756	22341	83420	142517
10	Kolkata	12256	11669	24150	48075
11	Kerala	24948	21452	51211	97611
12	Mumbai	15200	9111	36428	60739
13	Maharashtra	41639	31389	96734	169762
14	Madhya Pradesh	33807	17278	83673	134758
15	North-East	9387	4799	14679	28865
16	Odisha	17581	7907	33218	58706
17	Punjab	21550	17637	48888	88075
18	Rajasthan	27905	19972	69146	117023
19	Tamil Nadu	47644	31602	93263	172509
20	Uttar Pradesh (East)	34362	22803	79193	136358
21	Uttar Pradesh(West)	27056	19699	66120	112875
22	West Bengal	23757	13356	49632	86745
Grand Total		535096	363067	1210354	2108517

Source: Tarang Sanchar, DGT, DoT

Table 7.2 - LSA-wise and Technology-wise BTSs (Contd.)

Sl. No.	License Service Area	As on 31st March 2020			
		2G BTSs	3G BTSs	4G-LTE	Total BTSs
1	Andhra Pradesh	35391	23538	104715	163644
2	Assam	13353	6962	29335	49650
3	Bihar	30220	7804	91394	129418
4	Delhi	21959	12076	66281	100316
5	Gujarat	26307	14631	89335	130273
6	Himachal Pradesh	5385	3377	15002	23764
7	Haryana	10831	6643	32118	49592
8	Jammu & Kashmir	8718	5438	23245	37401
9	Karnataka	34265	11565	96495	142325
10	Kolkata	10401	6785	32281	49467
11	Kerala	21095	13379	53647	88121
12	Mumbai	14009	5660	40331	60000
13	Maharashtra	41274	24399	114972	180645
14	Madhya Pradesh	30933	12527	101242	144702
15	North-East	9322	4598	18465	32385
16	Odisha	17735	4727	40934	63396
17	Punjab	18346	9484	51681	79511
18	Rajasthan	26959	18127	79251	124337
19	Tamil Nadu	46039	22310	104925	173274
20	Uttar Pradesh (East)	32945	21618	101177	155740
21	Uttar Pradesh(West)	23336	13226	77286	113848
22	West Bengal	22825	13411	64898	101134
Grand Total		501648	262285	1429010	2192943

Source: Tarang Sanchar, DGT, DoT

Table 7.2 - LSA-wise and Technology-wise BTSs (Contd.)

Sl. No.	License Service Area	As on 31st March 2021			
		2G BTSs	3G BTSs	4G-LTE	Total BTSs
1	Andhra Pradesh	34955	18682	112748	166385
2	Assam	10985	5535	33794	50314
3	Bihar	29044	6091	102311	137446
4	Delhi	18431	12118	72856	103405
5	Gujarat	26855	10513	99095	136463
6	Himachal Pradesh	4983	1745	16790	23518
7	Haryana	11641	6661	35932	54234
8	Jammu & Kashmir	6735	1831	24362	32928
9	Karnataka	32814	6541	104527	143882
10	Kolkata	8244	1552	33363	43159
11	Kerala	21360	11039	56859	89258
12	Mumbai	11440	636	41717	53793
13	Maharashtra	42588	24004	126183	192775
14	Madhya Pradesh	31812	12245	110787	154844
15	North-East	7760	3238	21314	32312
16	Odisha	14929	3745	47468	66142
17	Punjab	18609	8930	56037	83576
18	Rajasthan	25905	11185	85113	122203
19	Tamil Nadu	35685	17679	109013	162377
20	Uttar Pradesh (East)	33637	14941	114819	163397
21	Uttar Pradesh(West)	24483	10941	87197	122621
22	West Bengal	20631	12918	71695	105244
Grand Total		473526	202770	1563980	2240276

Source: Tarang Sanchar, DGT, DoT

Table 7.2 - LSA-wise and Technology-wise BTSs

Sl. No.	License Service Area	As on 31st March 2022			
		2G BTSs	3G BTSs	4G BTSs	Total BTSs
1	Andhra Pradesh	36293	7669	123586	167548
2	Assam	11384	3086	38622	53092
3	Bihar	30709	6598	115287	152594
4	Delhi	18837	11956	79408	110201
5	Gujarat	27389	9769	105428	142586
6	Himachal Pradesh	5053	1331	17902	24286
7	Haryana	12022	6153	38285	56460
8	Jammu & Kashmir	6711	1738	25845	34294
9	Karnataka	32948	5059	109796	147803
10	Kolkata	8568	1588	36462	46618
11	Kerala	21859	10804	61015	93678
12	Mumbai	11389	604	44383	56376
13	Maharashtra	40625	14708	138181	193514
14	Madhya Pradesh	31922	11996	119444	163362
15	North-East	8185	2353	24327	34865
16	Odisha	15190	3718	52082	70990
17	Punjab	18822	6830	58735	84387
18	Rajasthan	26688	9315	91620	127623
19	Tamil Nadu	36767	12241	113356	162364
20	Uttar Pradesh (East)	35204	12766	125923	173893
21	Uttar Pradesh(West)	25424	9296	94397	129117
22	West Bengal	21147	8532	77220	106899
Grand Total		483136	158110	1691304	2332550

Source: Tarang Sanchar, DGT, DoT

Table 7.2 - LSA-wise and Technology-wise BTSs

Sl. No.	License Service Area	As on 31st March 2023				
		2G BTSs	3G BTSs	4G BTSs	5G BTSs	Total BTSs
1	Andhra Pradesh	36795	7538	129077	12427	185837
2	Assam	11989	3119	40718	1729	57555
3	Bihar	32943	6854	124338	6438	170573
4	Delhi	19055	10937	83001	15479	128472
5	Gujarat	27751	3939	108189	11082	150961
6	Himachal Pradesh	5253	948	18985	726	25912
7	Haryana	12478	3593	40604	2648	59323
8	Jammu & Kashmir	7046	1732	27312	1627	37717
9	Karnataka	33176	5070	113394	9995	161635
10	Kolkata	8961	1636	37925	6925	55447
11	Kerala	22257	10307	63733	5013	101310
12	Mumbai	11343	589	45367	8155	65454
13	Maharashtra	41328	6484	142397	11087	201296
14	Madhya Pradesh	32937	11852	123594	5907	174290
15	North-East	8522	2311	25893	1272	37998
16	Odisha	16162	3854	55016	2919	77951
17	Punjab	17695	6636	61711	4437	90479
18	Rajasthan	27799	7706	97776	5894	139175
19	Tamil Nadu	38462	7644	116382	12918	175406
20	Uttar Pradesh (East)	37648	12729	133695	6504	190576
21	Uttar Pradesh(West)	26895	8188	99249	5796	140128
22	West Bengal	23131	8679	81263	1645	114718
Grand Total		499626	132345	1769619	140623	2542213

Source: NEP Portal, DGT, DoT

Table 7.2 - LSA-wise and Technology-wise BTSs

Sl. No.	License Service Area	As on 31st March 2024				
		2G BTSs	3G BTSs	4G BTSs	5G BTSs	Total BTSs
1	Andhra Pradesh	38070	5261	133312	34844	211487
2	Assam	12572	3106	42359	8229	66266
3	Bihar	35694	6215	130655	30918	203482
4	Delhi	19135	10859	85851	19898	135743
5	Gujarat	29907	3491	111288	29610	174296
6	Himachal Pradesh	5444	944	19489	3972	29849
7	Haryana	13133	3127	42373	11175	69808
8	Jammu & Kashmir	7520	1730	28297	6971	44518
9	Karnataka	33362	5029	115764	28675	182830
10	Kolkata	9115	1639	38666	11617	61037
11	Kerala	23338	4734	65695	19172	112939
12	Mumbai	11232	578	46796	10364	68970
13	Maharashtra	43924	6262	148048	35894	234128
14	Madhya Pradesh	35049	10247	127780	25046	198122
15	North-East	8880	2306	26966	4412	42564
16	Odisha	17519	3826	58060	11860	91265
17	Punjab	18232	5043	63802	16134	103211
18	Rajasthan	30322	5736	102227	25496	163781
19	Tamil Nadu	40529	7561	121071	34358	203519
20	Uttar Pradesh (East)	39976	12086	141514	27026	220602
21	Uttar Pradesh(West)	29288	8168	104330	23055	164841
22	West Bengal	25009	8698	84454	16994	135155
Grand Total		527250	116646	1838797	435720	2918413

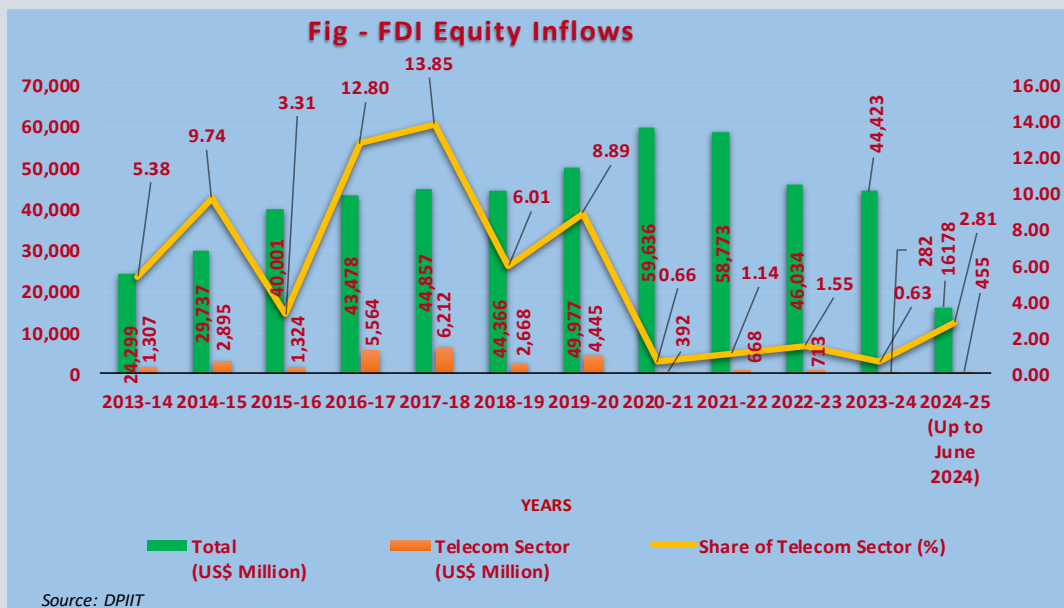
Source: NEP Portal, DGT, DoT

8 – Foreign Direct Investment (FDI)

**Table 8.1 - FDI EQUITY INFLOWS
(April 2000 - June 2024)**

Year	Total (US\$ Million)	Telecom Sector (US\$ Million)	Share of Telecom Sector (%)
2000-01	2463	178	7.23
2001-02	4065	873	21.48
2002-03	2705	192	7.10
2003-04	2188	86	3.93
2004-05	3,219	118	3.67
2005-06	5,540	618	11.16
2006-07	12,492	477	3.82
2007-08	24,575	1,261	5.13
2008-09	31,396	2,549	8.12
2009-10	25,834	2,539	9.83
2010-11	21,383	1,665	7.78
2011-12	35,121	1,997	5.69
2012-13	22,423	304	1.36
2013-14	24,299	1,307	5.38
2014-15	29,737	2,895	9.74
2015-16	40,001	1,324	3.31
2016-17	43,478	5,564	12.80
2017-18	44,857	6,212	13.85
2018-19	44,366	2,668	6.01
2019-20	49,977	4,445	8.89
2020-21	59,636	392	0.66
2021-22	58,773	668	1.14
2022-23	46,034	713	1.55
2023-24	44,423	282	0.63
2024-25 (Up to June 2024)	16178	455	2.81

Source - DPIIT



**Table 8.2 - Country-wise FDI Equity Inflows in
Telecommunications Sector- Top 5 countries
(April 2000- June 2024)**

(in US \$ million)

Year	Mauritius	Singapore	Japan	Russia	U.S.A.
2000-01	105.30	0.00	0.00	0.00	26.03
2001-02	835.05	0.62	1.46	0.00	8.09
2002-03	132.55	0.002	0.00	0.00	0.01
2003-04	61.21	0.06	0.00	0.00	5.39
2004-05	100.37	0.19	0.10	0.00	12.62
2005-06	540.90	0.82	52.74	0.00	11.36
2006-07	360.07	14.95	0.18	0.00	21.72
2007-08	1117.41	3.02	0.0000003	0.00	22.57
2008-09	1890.99	14.31	141.56	304.72	17.80
2009-10	1426.71	592.10	114.46	0.00	69.08
2010-11	339.56	825.67	3.14	89.76	48.13
2011-12	1822.75	85.96	4.52	0.00	24.96
2012-13	284.94	0.49	0.00	0.00	12.05
2013-14	95.73	1191.83	2.36	0.00	13.88
2014-15	2101.28	291.67	0.00	451.83	27.00
2015-16	787.29	373.39	85.79	0.31	35.95
2016-17	2854.66	1023.58	1574.58	0.00	3.24
2017-18	5966.61	18.08	177.76	0.00	12.40
2018-19	666.53	1886.22	0.62	0.00	15.20
2019-20	3004.47	1280.48	127.17	0.00	12.27
2020-21	5.36	354.88	0.00	0.00	2.92
2021-22	489.96	139.89	0.00	0.00	14.92
2022-23	502.15	171.74	0.00	0.00	13.84
2023-24	0.01	213.87	0.00	0.004	31.59
2024-25 (up to June, 2024)	5.44	372.56	0.00	0.00	5.99
Total	25497.30	8856.39	2286.45	846.62	469.00

Source - DPIIT

**Table 8.3 - Sector-wise FDI Equity Inflows in India- Top 5 Sectors
(April 2000- June 2024)**

(in US \$ million)

Year	SERVICES SECTOR (Fin.,Banking,Insurance,Non Fin/Business,Out sourcing,R&D,Courier,Tech. Testing and Analysis, Other)	COMPUTER SOFTWARE& HARDWARE	TRADING	TELECOMMUNICATIONS	AUTOMOBILE INDUSTRY
2000-01	71.38	228.39	11.49	177.69	195.33
2001-02	187.95	419.39	43.27	873.23	235.76
2002-03	296.34	314.24	38.13	191.6	419.96
2003-04	271.15	368.32	31.12	86.49	119.09
2004-05	456.15	527.90	14.22	118.33	121.97
2005-06	548.61	1359.97	28.93	617.98	139.93
2006-07	4713.78	2613.33	114.65	476.51	260.72
2007-08	6986.17	1382.25	345.02	1260.7	656.1
2008-09	6183.49	1543.34	643.64	2548.63	1150.03
2009-10	4174.53	871.86	737.95	2539.26	1236.29
2010-11	3296.09	779.81	498.04	1664.5	1299.41
2011-12	5215.98	796.35	731.55	1997.24	922.99
2012-13	4832.98	485.96	717.8	303.87	1537.28
2013-14	2225.10	1126.27	1343.39	1306.95	1517.28
2014-15	3249.71	2296.04	2730.37	2894.94	2725.64
2015-16	6884.66	5904.51	3845.32	1324.4	2526.83
2016-17	8674.97	3651.71	2338.4	5563.69	1609.32
2017-18	6689.10	6153.2	4343.82	6211.84	2089.54
2018-19	9146.14	6415.21	4462.13	2667.91	2623.22
2019-20	7852.95	7673.32	4573.82	4445.16	2824.03
2020-21	5060.22	26144.69	2608.22	392.11	1637.44
2021-22	7131.44	14461.35	4537.59	668.14	6993.55
2022-23	8706.93	9394.22	4792.28	712.95	1902.21
2023-24	6640.24	7972.79	3864.88	281.66	1524.22
2024-25 (up to June, 2024)	3994.05	2744.53	459.5	454.95	390.39
Total	113490.11	105628.94	43855.54	39780.77	36658.52

Source - DPIIT

9 – Exports - Imports

Table 9.1 - India's Exports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (Quantity) (Contd.)

Hs Code	Commodity	Unit	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
85171110	PUSH BUTTON TYPE	NOS	170085	161754	144271	203521	515377	192651	114904	176572
85171190	OTHERS	NOS	137527	569818	894681	718037	1714270	1339047	633272	879918
85171210	PUSH BUTTON TYPE	NOS	-	-	187670	1116162	160112	237250	80457	1253329
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	NOS	-	-	-	-	-	-	-	-
85171219	MOBILE PHONES, PUSH BUTTON TYPE	NOS	-	-	-	-	-	-	-	-
85171290	OTHER	NOS	-	-	43467156	25834710	91963101	117321226	109861400	73188292
85171300	SMARTPHONES	NOS	-	-	-	-	-	-	-	-
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	NOS	-	-	-	-	-	-	-	-
85171810	PUSH BUTTON TYPE	NOS	-	-	298376	36121	363902	303508	635818	245061
85171890	OTHER	NOS	-	-	565767	348347	81198	45427	139873	262456
85176100	BASE STATIONS	NOS	-	-	5844	3383	149	2528	2497	4806
85176210	PLCC EQUIPMENT	NOS	-	-	2730	1942	5429	20848	14030	8941
85176220	VOICE FREQUENCY TELEGRAPHY	NOS	-	-	519	474	175	8335	77	168
85176230	MODEMS (MODULATORS-DEMODULATORS)	NOS	-	-	12908	7030	4494	37537	36742	18889
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	NOS	-	-	1	-	2	117	106	23
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	NOS	-	-	1138	506	236	3293	10451	419
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	NOS	-	-	67	107	827	1595	1409	57
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	NOS	-	-	2773	4048	6046	10234	20102	22071
85176290	OTHER	NOS	-	-	132804	126172	199868	247983	333943	245541
85176910	ISDN TERMINALS	NOS	-	-	1181	666	9	1454	1364	1032
85176920	ISDN TERMINAL ADAPTERS	NOS	-	-	253	2135	16908	60494	331028	11543
85176930	ROUTERS	NOS	-	-	81392	30989	19544	34915	2011029	352976
85176940	X25 PADS	NOS	-	-	12	-	1201	-	2	-
85176950	SUBSCRIBER END EQUIPMENT	NOS	-	-	899	-	67	5	5	63
85176960	SET TOP BOXES FOR ACCESSING INTERNET	NOS	-	-	237296	475194	461302	378388	464219	771277
85176970	ATTACHMENTS FOR TELEPHONES	NOS	-	-	5351	20213	486	2233	15880	160022
85176990	OTHR PARTUS,FR CARRIER/DIGITAL LINE SYSTM	NOS	-	-	181007	168385	198095	107035	165374	351338
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	NOS	-	-	1010611791	564927	200791	309761	321410	326259
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	KGS	-	-	1050745	3237787	15269877	13077262	9790680	11150280
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	NOS	-	-	-	-	-	-	-	-
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	NOS	-	-	-	-	-	-	-	-
85177990	OTHER	NOS	-	-	-	-	-	-	-	-
85195000	TELEPHONE ANSWRNG MCHNS	NOS	-	-	6114	6143	197	6	228	2073
85198100	TRANSCRIBING MACHINES	NOS	-	-	-	-	-	-	-	-
85235210	SIM CARDS	NOS	-	-	30610241	70504932	82184714	254824139	280283145	259103641
85255040	COMMUNICATION JAMMING EQUIPMENT	NOS	-	-	578	7	100	139	-	6
85256011	WALKIE TALKIE SET	NOS	-	-	1981	2981	9981	2390	10811	3965
85256012	MARINE RADIO COMMUNICATION EQPMNT	NOS	-	-	60	2	22717	70	23	2
85256013	AMATEUR RADIO EQUIPMENT	NOS	-	-	97	117	-	22	-	682
85256019	CORDLESS HANDSET	NOS	-	-	1257368	238864	69939	32388	12498	4990
85256091	VSAT TERMINALS	NOS	-	-	292	181	233	429	127	1371
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	NOS	-	-	4490	310	186	1506	974	213
85256099	OTHERS	NOS	-	-	58375	26967	16717	65416	94456	104183
85279911	RADIO PAGERS	NOS	-	-	10	96	480	87	-	-
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	NOS	17541	55045	197510	122606	8258	1088	1430	3485
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	116	60	3990	3891	550	31	1700	-
85291019	DISH ANTENNA FR OTHR USE	NOS	886296	1160701	776128	301718	309958	229117	399325	897930
85291021	OTHR ANTENNA FR COMMNCN JAMMING EQPTMNTS	KGS	2835	1098	148798	1701	2000	10	653	19
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	9039	-	-	35	150	101	381	-
85291029	OTHR ANTENNA FR OTHR USE	NOS	319352	453789	472953	551794	435657	618873	376576	285314
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	NOS	261	469	9203	310	17108	38312	206841	6
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	5350	96	20295	40	400	100	-	3
85291099	AERIAL PARTS FR OTHR USE	NOS	539802	2163765	2545190	757273	266562	724732	412134	242356
85299010	OTHE PARTS FR COMMNCN JAMMING EQPTMNTS	NOS	116513	93485	134973	34049	161525	108018	104508	56777
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	21704	28857	9149	363	183687	41742	40354	43870
85299090	OTHE PARTS FR OTHR USE	NOS	2730414	4078436	3343133	2421985	1615268	1480811	1294787	1119965
85442010	CO-AXIAL CABLE	MTR	292441	1780114	749952	314281	768178	535530	670722	538053
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	MTR	1370548	2143441	2389266	3198816	1788286	4717727	3222760	1978942
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	-	-	449616	393030	122893	297	36814	32954
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	-	-	231214	50350	104670	138022	411883	115682
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	-	-	468	4005	74	31145	2640	3338
85444299	OTHR ELCTRCL CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	MTR	-	-	187516	402564	408648	561185	781832	1257932
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	-	-	205603	248364	27735	198	761	522
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	-	-	39833	293336	189210	1695146	1958078	1414050
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	-	-	6420	700	260	31255	7209	4000
85444999	OTHR ELCTRCL CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	MTR	-	-	17905558	8955708	3876171	2223170	2428476	2450695
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	MTR	2294580	2171374	5350740	4370778	2179527	2924584	2650087	4065379
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	KGS	656296	872049	2025541	4132177	5716827	6170762	10094052	11675987

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.

Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:

i. HS Codes- 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HS Code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone has also been added in the list.

ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)

iii. 85198100 (transcribing machine) (Newly created)

Source: O/g Director (Policy), DoT

Table 9.1 - India's Exports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (Quantity)

Hs Code	Commodity	Unit	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
85171110	PUSH BUTTON TYPE	NOS	228511	154986	68416	52826	52631	80272	65824	26719	61382	128291
85171190	OTHERS	NOS	202150	140803	210790	180253	121400	364333	174257	964683	279082	243730
85171210	PUSH BUTTON TYPE	NOS	241464	297940	301347	97867	1033644	11891360	-	-	-	0
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	NOS	-	-	-	-	-	-	-	28140170	-	0
85171219	MOBILE PHONES, PUSH BUTTON TYPE	NOS	-	-	-	-	-	-	-	2059202	-	0
85171290	OTHER	NOS	9850133	1799300	1736159	2147731	16658991	32200083	557068	4472688	-	0
85171300	SMARTPHONES	NOS	-	-	-	-	-	-	-	-	-	50823856
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	NOS	-	-	-	-	-	-	-	-	-	1486154
85171810	PUSH BUTTON TYPE	NOS	165181	181243	45871	16052	35144	83301	85273	111912	53161	37643
85171890	OTHER	NOS	310517	412625	573449	513420	839812	858477	452008	5347212	735093	121243
85176100	BASE STATIONS	NOS	2136	2762	2661	19383	4340	3234	2951	11625	3081	2051
85176210	PLCC EQUIPMENT	NOS	19635	16032	8020	6078	20879	3871	12547	2628	2328	11254
85176220	VOICE FREQUENCY TELEGRAPHY	NOS	277	13786	11606	10503	1515	528	242	2598	3278	29737
85176230	MODEMS (MODULATORS-DEMULATORS)	NOS	20212	22107	90155	112042	223181	159298	50164	132907	125355	63954
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	NOS	1915	505	409	610	25	96	4	232	9	0
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	NOS	161	1458	6983	682	783	1778	798	111	348	4315
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	NOS	1	263	216	1179	4309	2127	880	12482	31599	131677
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	NOS	22409	36711	65390	15066	15805	4791	4824	19763	8457	3455
85176290	OTHER	NOS	335028	646977	832898	1896510	1837145	2802094	3856753	4883747	6791095	6956463
85176910	ISDN TERMINALS	NOS	112	424	110	2955	82	98	404	160	1223	151
85176920	ISDN TERMINAL ADAPTERS	NOS	6839	2705	2546	612	1948	7719	64423	43518	101823	10627
85176930	ROUTERS	NOS	164857	146674	26429	265291	253764	198444	-	-	-	0
85176940	X25 PADS	NOS	3	3	-	-	-	2	6117	1	4	1
85176950	SUBSCRIBER END EQUIPMENT	NOS	547	1	-	616	3885	3218	953	1547	2159	0
85176960	SET TOP BOXES FOR ACCESSING INTERNET	NOS	124405	56359	184765	52483	78909	13376	8362	5921	996080	16229
85176970	ATTACHMENTS FOR TELEPHONES	NOS	3324	8601	1308	17486	6647	17732	6917	5828	14465	161252
85176990	OTHR APARTUS FR CARRIER/DIGITAL LINE SYSTM	NOS	384527	258052	221441	299816	1800241	1812212	3100156	6973685	15264616	1985081
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	NOS	250892	110757	354168	2585603	4163256	8902241	7098467	380076	-	0
85177090	OTHR PARTS OF TELEPHON/TELEGRPHC APPARTS	KGS	9488103	5486936	9378820	4090599	3842461	2913470	3685120	10377162	-	0
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	NOS	-	-	-	-	-	-	-	-	-	7817217
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	NOS	-	-	-	-	-	-	-	-	27522069	30299914
85177990	OTHER	NOS	-	-	-	-	-	-	-	-	63414464	143549703
85195000	TELEPHONE ANSWRNG MCHNS	NOS	62	89	10	1000	27	6	5	76	-	0
85198100	TRANSCRIBING MACHINES	NOS	-	-	-	-	-	-	-	-	-	134
85235210	SIM CARDS	NOS	274294660	403043668	445600802	414594270	384866478	415749202	310127209	336765205	347859368	284379723
85255040	COMMUNICATION JAMMING EQUIPMENT	NOS	16	3	-	1002	-	-	22	352	7	47
85256011	WALKIE TALKIE SET	NOS	3641	2432	1882	1938	1688	1817	-	-	-	0
85256012	MARINE RADIO COMMUNICATION EQPMNT	NOS	46	9	2	4	4	40	-	-	-	0
85256013	AMATEUR RADIO EQUIPMENT	NOS	12	9	56	25763	137	647	-	-	-	0
85256019	CORDLESS HANDSET	NOS	10032	11480	23078	4008	688	952	-	-	-	0
85256091	VSAT TERMINALS	NOS	65	1360	472	350	-	1	-	-	-	0
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	NOS	82	17	768	35	34	27	-	-	-	0
85256099	OTHERS	NOS	104555	105302	69422	5164	2990	618	-	-	-	0
85279911	RADIO PAGERS	NOS	15	-	-	-	3635	195	-	-	-	0
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	NOS	22588	3882	2071	144	3969	783	11396	2951	3301	2782
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	-	3170	330	866	9089	907	4036	93	94	1117
85291019	DISH ANTENNA FR OTHR USE	NOS	820567	1563411	421638	727682	869968	827208	1477259	552162	432468	227983
85291021	OTHR ANTENNA FR COMMNCN JAMMING EQPTMNTS	KGS	250	-	-	-	-	-	31	32138	15	0
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	-	-	-	10	-	-	84	61	173	238
85291029	OTHR ANTENNA FR OTHR USE	NOS	155276	169245	145583	601610	362798	239051	466269	127362	138355	135945
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	NOS	750	35	-	13	19	90	9	70585	89619	187
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	4	-	-	1530	-	10	530	11	285	1713
85291099	AERIAL PARTS FR OTHR USE	NOS	186071	169350	64910	706008	240593	142303	233414	278195	35097	357373
85299010	OTHR PARTS FR COMMNCN JAMMING EQPTMNTS	NOS	34006	22195	137816	53450	35218	15477	1391	16101	56981	21846
85299020	OTHR PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	11517	31993	41751	5765079	3825256	8503209	1274	7765	5797	1434
85299090	OTHR PARTS FR OTHR USE	NOS	1007939	1103042	978088	3935931	10902423	22484545	26452117	33230119	31988513	29321264
85442010	CO-AXIAL CABLE	MTR	681271	1837137	574686	1816818	1861098	20985856	11229823	1257286	2098465	2203312
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	MTR	2501498	1889997	1722933	4293215	3352426	6125675	8112578	5790111	10310546	13529062
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	900	2324	4724	3350	4070	1882	1063	26017	2136	22237
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	125882	87244	70335	763727	804966	963708	833523	7074174	12834324	8089619
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	420	163	857	32077	299	1416	62810	86084	6716	24653
85444299	OTHR ELCTRCL CNDUCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	MTR	987503	1474194	1774274	11418672	13743564	13374424	21306688	66594094	81626219	52958165
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	8572	288	50296	210836	20177	20145	735276	482772	1360887	976980
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	933695	857394	828994	3613506	5853756	6768407	28101313	101663020	114822863	107511265
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	4898	14000	9947	12050	7495	123067	10582	28367	3550	43804
85444999	OTHR ELCTRCL CNDUCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	MTR	3455086	3392927	5405296	29349747	49128687	74522027	67564945	102425194	141210665	143815101
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	MTR	3280274	2869277	2231863	17985927	37040073	24314291	66602871	143672966	59529648	71060744
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	KGS	11406306	9692487	12982139	16484352	13252271	10523083	14608412	40878873	48263173	25695917

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.

Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:

- i. HSN Codes- 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HSN code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone has also been added in the list.
- ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)
- iii. 85198100 (transcribing machine) (Newly created)

Source: O/o Director (Policy), DoT

Table 9.2 - India's Exports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (₹ in lakhs) (Contd.)

Hs Code	Commodity	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
85171110	PUSH BUTTON TYPE	667.48	1349.94	1382.10	6539.57	5059.04	2623.08	3568.39	8730.27
85171190	OTHERS	1013.81	6208.29	9449.35	16501.12	58974.72	87033.32	34785.71	84096.31
85171210	PUSH BUTTON TYPE	-	-	6469.61	65005.95	7592.49	11227.54	3639.55	27035.89
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	-	-	-	-	-	-	-	-
85171219	MOBILE PHONES, PUSH BUTTON TYPE	-	-	-	-	-	-	-	-
85171290	OTHER	-	-	1052436.67	546230.30	1187651.03	1304376.50	1445073.39	1157788.91
85171300	SMARTPHONES	-	-	-	-	-	-	-	-
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	-	-	-	-	-	-	-	-
85171810	PUSH BUTTON TYPE	-	-	726.31	260.55	4882.34	4784.10	6119.79	5122.39
85171890	OTHER	-	-	19778.98	7656.33	4291.28	1764.65	4302.48	20085.84
85176100	BASE STATIONS	-	-	3370.37	92.45	79.80	778.69	1280.32	3293.53
85176210	PLCC EQUIPMENT	-	-	459.76	469.82	3533.32	7317.29	2785.65	3829.08
85176220	VOICE FREQUENCY TELEGRAPHY	-	-	10.90	80.34	21.81	266.86	16.05	78.76
85176230	MODEMS (MODULATORS-DEMULATORS)	-	-	1022.84	991.03	818.23	16322.02	2356.68	1590.99
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	-	-	0.23	-	23.00	5.06	644.85	26.26
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	-	-	259.50	78.77	52.14	131.14	73.81	61.30
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	-	-	26.36	20.51	69.41	265.15	139.61	286.81
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	-	-	1204.93	761.94	1192.35	2860.78	5131.73	5586.90
85176290	OTHER	-	-	10946.29	12768.28	12136.85	25816.59	38077.88	49216.82
85176910	ISDN TERMINALS	-	-	113.84	376.82	4.00	29.35	85.69	109.60
85176920	ISDN TERMINAL ADAPTERS	-	-	27.16	18.15	67.66	94.49	419.20	257.23
85176930	ROUTERS	-	-	534.72	452.33	307.29	762.69	1558.63	2303.53
85176940	X25 PADS	-	-	16.16	-	17.89	-	1.86	-
85176950	SUBSCRIBER END EQUIPMENT	-	-	20.71	-	32.82	0.86	22.22	27.52
85176960	SET TOP BOXES FOR ACCESSING INTERNET	-	-	27667.57	39338.90	31889.89	32053.16	37375.92	24451.48
85176970	ATTACHMENTS FOR TELEPHONES	-	-	423.73	47.05	11.30	75.87	759.97	1467.24
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	-	-	20521.12	20629.67	16188.35	21582.26	26250.77	48309.04
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	15369.22	19686.29	13709.46	21229.66	22882.88	18441.21
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	-	-	24526.12	77388.32	167767.76	358051.61	324807.21	355690.27
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	-	-	-	-	-	-	-	-
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	-	-	-	-	-	-
85177990	OTHER	-	-	-	-	-	-	-	-
85195000	TELEPHONE ANSWRNG MCHNS	-	-	65.09	31.12	8.54	0.22	37.05	4.05
85198100	TRANSCRIBING MACHINES	-	-	-	-	-	-	-	-
85235210	SIM CARDS	-	-	9118.59	18137.46	14691.68	36423.00	49605.05	52235.15
85255040	COMMUNICATION JAMMING EQUIPMENT	-	-	577.96	26.73	-	30.33	-	0.42
85256011	WALKIE TALKIE SET	-	-	703.07	615.69	214.77	225.45	455.47	526.20
85256012	MARINE RADIO COMMUNICATION EQPMNT	-	-	17.52	1.25	100.59	5.21	16.07	1.74
85256013	AMATEUR RADIO EQUIPMENT	-	-	23.34	1.18	-	3.00	-	57.13
85256019	CORDLESS HANDSET	-	-	43746.76	12666.16	3953.28	940.92	555.23	913.37
85256091	VSAT TERMINALS	-	-	158.43	61.17	63.22	45.99	170.15	179.28
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	-	-	1461.08	334.53	545.07	828.09	105.90	427.58
85256099	OTHERS	-	-	5072.14	2279.90	1954.77	3029.06	4416.44	5209.95
85279911	RADIO PAGERS	-	-	0.18	1.33	23.40	1.54	-	-
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	206.07	375.71	951.85	887.44	230.66	20.91	11.03	20.45
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	5.41	1.58	139.34	49.21	19.90	1.88	10.52	-
85291019	DISH ANTENNA FR OTHR USE	2782.27	3643.08	2170.85	2615.76	3373.79	2315.77	3933.15	11835.81
85291021	OTHR ANTENNA FR COMMNCN JAMMING EQPTMNTS	61.06	90.57	2873.66	7.67	19.19	0.14	19.94	8.85
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	26.45	-	-	0.05	1.58	0.27	3.45	-
85291029	OTHR ANTENNA FR OTHR USE	2340.76	3099.78	2987.42	3997.01	3889.77	4900.29	4507.75	2522.04
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	4.34	5.64	192.84	37.42	59.57	160.44	2371.45	0.13
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	3.99	4.27	37.73	2.12	1.28	6.90	-	0.03
85291099	AERIAL PARTS FR OTHR USE	9138.91	12403.10	10217.23	1821.81	1590.64	4697.11	7240.72	35435.24
85299010	OTHE PARTS FR COMMNCN JAMMING EQPTMNTS	394.19	468.46	5438.60	676.60	719.73	674.22	1252.51	592.92
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	76.39	66.34	81.23	8.27	744.76	1114.84	1868.65	2103.91
85299090	OTHE PARTS FR OTHR USE	55254.61	57505.67	52272.95	40407.03	37081.99	60771.14	55636.01	65531.42
85442010	CO-AXIAL CABLE	750.85	4271.09	2006.84	1207.70	2325.97	2180.24	3536.29	2858.57
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	3676.65	6651.35	9093.35	6026.31	8034.96	22150.07	12010.72	9425.81
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	-	-	1051.41	950.20	471.36	1.69	358.54	369.20
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	-	-	538.23	111.75	294.35	528.12	1602.99	729.55
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	-	-	11.44	9.71	6.49	164.60	26.13	14.60
85444299	OTHR ELCTRCL CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	-	-	2318.59	1484.32	3826.43	4449.74	7525.94	10139.66
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	-	-	689.21	553.31	114.76	13.83	4.82	33.53
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	-	-	146.10	738.38	909.79	3390.96	5842.97	6064.21
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	-	-	17.51	69.12	1.92	41.08	70.02	9.37
85444999	OTHR ELCTRCL CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	-	-	43626.62	21495.99	11651.60	9388.09	11014.30	14126.93
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	6659.03	5585.21	21040.47	19054.07	8259.80	13243.31	18692.22	21316.94
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	11651.77	10795.60	20917.90	38517.92	40303.87	67437.48	76419.23	96332.95

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.

Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:

i. HS Codes- 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HS Code is monitored by DoT, therefore, corresponding finished product, ie. Smartphone has also been added in the list.

ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)

iii. 85198100 (transcribing machine) (Newly created)

Source: O/o Director (Policy), DoT

Table 9.2 - India's Exports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (₹ in lakhs)

Hs Code	Commodity	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
85171110	PUSH BUTTON TYPE	1923.79	1854.18	874.41	588.47	451.10	1217.03	1170.01	281.49	1358.73	2039.17
85171190	OTHERS	6568.41	6862.81	8170.04	2484.23	3550.35	6824.57	2539.95	75969.68	16580.31	4030.67
85171210	PUSH BUTTON TYPE	12193.12	9222.93	6077.97	1669.40	10261.81	692959.29	-	-	-	0.00
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	-	-	-	-	-	-	-	2830423.32	-	0.00
85171219	MOBILE PHONES, PUSH BUTTON TYPE	-	-	-	-	-	-	-	149612.92	-	0.00
85171290	OTHER	144411.67	138498.35	108782.48	135051.09	1129329.66	2029530.76	50976.20	589475.98	-	0.00
85171300	SMARTPHONES	-	-	-	-	-	-	-	-	-	12898244.16
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	-	-	-	-	-	-	-	-	-	9134.59
85171810	PUSH BUTTON TYPE	6985.51	2378.61	484.93	824.71	213.89	317.24	429.36	651.68	514.76	516.06
85171890	OTHER	6801.75	12351.58	7258.85	5596.56	6149.83	8750.49	8780.74	565076.19	33598.45	6558.31
85176100	BASE STATIONS	900.78	2030.71	588.66	8728.72	1608.06	671.84	1295.06	1544.50	1931.32	1473.75
85176210	PLCC EQUIPMENT	4955.99	3246.35	1496.30	2679.61	3491.91	1794.62	3280.85	4354.71	2170.69	2083.07
85176220	VOICE FREQUENCY TELEGRAPHY	175.57	713.70	1444.41	1280.84	187.07	256.77	278.46	199.92	1833.93	2976.93
85176230	MODEMS (MODULATORS-DEMULATORS)	1411.74	1649.69	3186.64	3918.83	3178.32	3110.86	1481.04	2997.10	4009.26	5745.08
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	11358.22	571.84	80.35	13.86	7.42	53.97	2.02	508.00	9.61	0.00
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	849.57	322.14	1201.69	608.82	221.89	221.61	336.18	218.63	282.43	254.82
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	19.23	15.26	58.81	609.27	2549.76	3517.26	2445.03	4747.72	4846.62	9600.51
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	6593.54	10914.52	15005.02	12892.35	10208.28	6201.69	7350.05	3112.62	6034.74	2328.26
85176290	OTHER	72176.18	85406.64	111027.54	313920.06	426871.47	318381.25	451753.89	518750.00	711679.43	716436.39
85176910	ISDN TERMINALS	26.03	78.36	64.82	119.24	525.33	82.43	84.87	50.28	52.69	63.44
85176920	ISDN TERMINAL ADAPTERS	87.85	46.72	17.62	66.51	92.89	252.16	22.16	834.78	1034.94	46.00
85176930	ROUTERS	1616.94	3521.42	3208.01	6297.62	7660.09	7809.15	-	-	-	0.00
85176940	X25 PADS	1.32	0.36	-	-	-	0.02	8.63	0.10	1.09	0.04
85176950	SUBSCRIBER END EQUIPMENT	15.90	0.40	-	96.35	94.92	21.38	7.39	28.32	41.11	0.00
85176960	SET TOP BOXES FOR ACCESSING INTERNET	2678.21	491.77	1818.15	300.12	625.66	111.19	62.10	43.45	5279.59	1223.12
85176970	ATTACHMENTS FOR TELEPHONES	333.87	278.42	63.87	151.11	352.56	61.31	31.61	35.30	113.87	443.83
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	49840.71	50393.99	40306.14	51586.98	26289.43	20202.57	25148.47	28159.71	49430.16	37178.26
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	13990.58	10912.61	24776.11	28592.69	51019.30	104548.04	202990.32	296936.64	-	0.00
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	283786.08	212394.94	329974.62	138028.74	129348.83	112054.49	140240.92	241931.18	-	0.00
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	-	-	-	-	-	-	-	-	-	54242.77
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	-	-	-	-	-	-	79207.33	78289.25
85177990	OTHER	-	-	-	-	-	-	-	-	192943.21	246932.91
85195000	TELEPHONE ANSWRNG MCHNS	11.46	4.35	0.08	4.85	0.91	0.08	0.05	1.68	-	0.00
85198100	TRANSCRIBING MACHINES	-	-	-	-	-	-	-	-	-	23.91
85235210	SIM CARDS	47884.52	63313.48	61147.48	46940.00	42218.96	40778.57	33531.01	39031.98	50130.47	43308.28
85255040	COMMUNICATION JAMMING EQUIPMENT	0.28	3.87	-	4.68	-	-	12.85	84.27	161.44	1.47
85256011	WALKIE TALKIE SET	353.35	393.72	207.83	264.68	424.62	589.11	-	-	-	0.00
85256012	MARINE RADIO COMMUNICATION EQPMNT	27.93	13.14	0.48	3.61	20.82	98.04	-	-	-	0.00
85256013	AMATEUR RADIO EQUIPMENT	22.64	9.64	50.14	148.83	132.75	61.32	-	-	-	0.00
85256019	CORDLESS HANDSET	378.98	253.29	1028.20	2698.08	840.57	484.37	-	-	-	0.00
85256091	VSAT TERMINALS	47.01	0.23	34.53	59.29	-	0.98	-	-	-	0.00
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	278.87	14.25	22.13	98.77	61.35	20.86	-	-	-	0.00
85256099	OTHERS	6895.15	4751.62	3760.97	544.15	360.65	290.98	-	-	-	0.00
85279911	RADIO PAGERS	1.57	-	-	-	4.40	0.22	-	-	-	0.00
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	62.06	19.43	7.67	7.85	25.42	1.12	49.92	12.66	64.93	11.28
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	-	28.47	18.97	77.32	863.82	133.03	70.35	16.20	4.98	15.47
85291019	DISH ANTENNA FR OTHR USE	10527.42	20676.72	3616.30	2446.41	7345.37	3829.78	2602.47	3313.01	1366.10	1097.47
85291021	OTHR ANTENNA FR COMMNCN JAMMING EQPTMNTS	3.17	-	-	-	-	0.06	-	89.27	8.96	0.00
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	-	-	-	0.13	-	0.19	5064.25	1280.45	2216.64	-
85291029	OTHR ANTENNA FR OTHR USE	2833.42	3684.72	3298.17	4471.38	4190.02	5274.80	5846.10	3895.28	8269.78	6658.08
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	14.28	4.54	-	0.22	0.18	0.87	0.56	99.49	75.50	7.57
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.04	-	-	6.65	-	9.79	0.61	51.56	1583.41	1034.33
85291099	AERIAL PARTS FR OTHR USE	41429.94	15649.91	4698.34	640.33	3809.13	11233.48	27101.61	26662.33	3998.87	6216.54
85299010	OTHE PARTS FR COMMNCN JAMMING EQPTMNTS	1913.99	913.19	1977.66	1376.76	676.86	632.34	255.02	236.15	568.72	331.51
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	577.43	2238.56	4693.67	3715.94	4004.60	4032.38	357.03	1373.82	1272.03	927.17
85299090	OTHE PARTS FR OTHR USE	81035.29	64695.31	81533.45	43349.22	64876.50	96078.11	131104.39	131111.41	133030.77	168583.75
85442010	CO-AXIAL CABLE	3914.37	22616.28	6759.13	1837.21	1972.89	6518.47	4920.93	2364.53	4228.43	6871.50
85442090	OTHR CO-AXL ELCTRCL CNDUCTRS EXCL CO-AXL CABLE	14535.16	10684.13	6481.13	5195.06	5631.90	11306.01	8866.19	9713.26	15964.45	15148.43
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	6.85	12.03	34.11	8.54	20.66	9.40	4.71	22.95	72.33	68.42
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	843.48	1826.83	735.24	1481.20	2043.63	2303.63	1610.93	1991.77	3738.84	5088.42
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	9.67	16.71	36.06	141.45	0.64	18.56	62.48	125.94	8.83	44.72
85444299	OTHR ELCTRCL CNDCTRS FITTED WTH CNCTRS USED IN TELECOM FR <	12085.61	20793.23	26065.72	27696.06	40887.97	49368.14	65132.32	80241.11	112090.30	114570.52
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	72.96	9.85	637.38	417.69	91.40	113.15	475.04	237.40	640.74	518.42
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	3459.76	2666.22	2028.82	2182.21	3609.02	6223.51	8648.08	23078.09	26265.70	25156.02
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	13.55	29.13	42.82	33.85	22.54	210.87	31.60	32.48	10.18	77.08
85444999	OTHR ELCTRCL CNDCTRS NOT FITTED WTH CNCTRS USED IN TELECOM	17698.81	17370.42	21234.04	31831.79	49181.28	51521.81	57174.33	70597.70	133649.18	138739.38
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	18134.07	17498.20	14220.37	16577.45	21339.85	22089.97	36401.51	52490.48	43095.03	39494.61
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	103015.31	127219.80	155898.23	191934.96	189323.12	164158.31	176657.46	349873.97	566410.00	300330.12

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.

Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:

i. HS Codes- 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HS Code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone has also been added in the list.

ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)

iii. 85198100 (transcribing machine) (Newly created)

Source: O/o Director (Policy), DoT

Table 9.3 - India's Exports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (US \$ in million) (Contd.)

Hs Code	Commodity	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
85171110	PUSH BUTTON TYPE	1.48	3.34	2.94	13.56	11.09	5.51	6.50	14.30
85171190	OTHERS	2.23	15.63	20.76	34.98	129.49	178.26	63.41	138.36
85171210	PUSH BUTTON TYPE	-	-	13.57	136.71	16.40	22.72	6.68	43.66
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	-	-	-	-	-	-	-	-
85171219	MOBILE PHONES, PUSH BUTTON TYPE	-	-	-	-	-	-	-	-
85171290	OTHER	-	-	2292.66	1138.64	2606.77	2709.13	2650.82	1908.52
85171300	SMARTPHONES	-	-	-	-	-	-	-	-
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	-	-	-	-	-	-	-	-
85171810	PUSH BUTTON TYPE	-	-	1.58	0.54	10.81	9.93	11.19	8.44
85171890	OTHER	-	-	41.61	16.04	9.42	3.61	7.88	32.60
85176100	BASE STATIONS	-	-	7.41	0.20	0.18	1.64	2.35	5.58
85176210	PLCC EQUIPMENT	-	-	1.00	0.98	7.82	15.47	5.10	6.35
85176220	VOICE FREQUENCY TELEGRAPHY	-	-	0.03	0.17	0.05	0.56	0.03	0.13
85176230	MODEMS (MODULATORS-DEMULATORS)	-	-	2.24	2.09	1.80	35.56	4.35	2.59
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	-	-	0.00	-	0.05	0.01	1.19	0.04
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	-	-	0.56	0.16	0.12	0.26	0.14	0.11
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	-	-	0.06	0.05	0.15	0.54	0.26	0.52
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	-	-	2.65	1.61	2.63	5.83	9.44	9.23
85176290	OTHER	-	-	23.06	27.05	26.88	52.75	69.97	80.82
85176910	ISDN TERMINALS	-	-	0.24	0.80	0.01	0.06	0.16	0.18
85176920	ISDN TERMINAL ADAPTERS	-	-	0.06	0.04	0.14	0.19	0.77	0.42
85176930	ROUTERS	-	-	1.20	0.95	0.67	1.58	2.85	3.91
85176940	X25 PADS	-	-	0.03	-	0.04	-	0.00	-
85176950	SUBSCRIBER END EQUIPMENT	-	-	0.04	-	0.07	0.00	0.04	0.05
85176960	SET TOP BOXES FOR ACCESSING INTERNET	-	-	63.31	83.40	69.17	64.13	68.13	40.87
85176970	ATTACHMENTS FOR TELEPHONES	-	-	0.92	0.10	0.02	0.15	1.39	2.40
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	-	-	44.95	43.54	35.55	44.16	48.12	79.38
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	33.13	41.19	30.01	44.01	42.13	30.81
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	-	-	52.75	160.24	369.63	757.73	596.40	588.51
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	-	-	-	-	-	-	-	-
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	-	-	-	-	-	-
85177990	OTHER	-	-	-	-	-	-	-	-
85195000	TELEPHONE ANSWRNG MCHNS	-	-	0.14	0.07	0.02	0.00	0.07	0.01
85198100	TRANSCRIBING MACHINES	-	-	-	-	-	-	-	-
85235210	SIM CARDS	-	-	19.85	38.27	32.19	75.25	91.05	86.42
85255040	COMMUNICATION JAMMING EQUIPMENT	-	-	1.39	0.06	-	0.06	-	0.00
85256011	WALKIE TALKIE SET	-	-	1.51	1.26	0.48	0.49	0.84	0.86
85256012	MARINE RADIO COMMUNICATION EQPMNT	-	-	0.04	0.00	0.22	0.01	0.03	0.00
85256013	AMATEUR RADIO EQUIPMENT	-	-	0.05	0.00	-	0.01	-	0.10
85256019	CORDLESS HANDSET	-	-	95.47	26.32	8.65	2.01	1.02	1.49
85256091	VSAT TERMINALS	-	-	0.34	0.13	0.14	0.10	0.31	0.29
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	-	-	3.35	0.69	1.17	1.64	0.19	0.70
85256099	OTHERS	-	-	10.97	4.80	4.31	6.24	8.13	8.60
85279911	RADIO PAGERS	-	-	0.00	0.00	0.05	0.00	-	-
85291011	DISH ANTENNA FR COMMNCN JAMMNG EQPTMNTS	0.45	0.95	2.10	1.83	0.51	0.05	0.02	0.03
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.01	0.00	0.28	0.10	0.04	0.00	0.02	0.00
85291019	DISH ANTENNA FR OTHR USE	6.16	8.97	4.88	5.38	7.44	4.84	7.23	19.45
85291021	OTHR ANTENNA FR COMMNCN JAMMNG EQPTMNTS	0.14	0.22	5.84	0.02	0.04	0.00	0.04	0.02
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.06	-	-	0.00	0.00	0.00	0.01	-
85291029	OTHR ANTENNA FR OTHR USE	5.16	7.69	6.51	8.30	8.50	10.38	8.18	4.14
85291091	AERIAL PARTS FR COMMNCN JAMMNG EQPTMNTS	0.01	0.01	0.45	0.08	0.13	0.33	4.34	0.00
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.01	0.01	0.08	0.00	0.00	0.02	-	0.00
85291099	AERIAL PARTS FR OTHR USE	19.76	30.83	23.25	3.76	3.48	9.69	13.34	57.40
85299010	OTHE PARTS FR COMMNCN JAMMNG EQPTMNTS	0.88	1.17	11.91	1.39	1.57	1.40	2.32	0.99
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.17	0.17	0.17	0.02	1.65	2.30	3.44	3.47
85299090	OTHE PARTS FR OTHR USE	121.92	142.53	116.42	84.97	81.37	125.98	102.55	107.96
85442010	CO-AXIAL CABLE	1.66	10.66	4.47	2.54	5.14	4.54	6.50	4.73
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	8.14	16.60	19.35	12.74	17.54	46.48	22.00	15.57
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	-	-	2.25	1.98	1.03	0.00	0.66	0.63
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	-	-	1.15	0.24	0.65	1.11	2.94	1.21
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	-	-	0.03	0.02	0.01	0.33	0.05	0.02
85444299	OTHR ELCTRC CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	-	-	5.13	3.14	8.42	9.36	13.81	17.21
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	-	-	1.50	1.14	0.25	0.03	0.01	0.06
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	-	-	0.32	1.52	2.02	6.88	10.73	10.03
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	-	-	0.04	0.14	0.00	0.09	0.13	0.02
85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	-	-	96.51	45.21	25.60	19.42	20.25	23.15
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	14.66	13.89	46.16	39.80	18.14	27.46	34.39	35.12
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	25.71	26.77	44.57	81.13	88.57	139.98	140.42	160.43

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.

Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:

- i. HS Codes- 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HS Code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone has also been added in the list.
- ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)
- iii. 85198100 (transcribing machine) (Newly created)

Source: O/o Director (Policy), DoT

Table 9.3 - India's Exports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (US \$ in million)

Hs Code	Commodity	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
85171110	PUSH BUTTON TYPE	3.15	2.84	1.31	0.91	0.64	1.71	1.58	0.38	1.69	2.46
85171190	OTHERS	10.67	10.36	12.17	3.85	5.05	9.65	3.44	101.51	21.11	4.86
85171210	PUSH BUTTON TYPE	19.92	14.14	9.07	2.59	14.58	961.02	-	-	-	0.00
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	-	-	-	-	-	-	-	3799.20	-	0.00
85171219	MOBILE PHONES, PUSH BUTTON TYPE	-	-	-	-	-	-	-	197.65	-	0.00
85171290	OTHER	238.03	209.40	162.48	209.41	1602.17	2867.40	69.04	781.38	-	0.00
85171300	SMARTPHONES	-	-	-	-	-	-	-	-	-	15560.38
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	-	-	-	-	-	-	-	-	-	11.01
85171810	PUSH BUTTON TYPE	11.36	3.71	0.72	1.28	0.31	0.44	0.59	0.87	0.65	0.62
85171890	OTHER	11.03	18.76	10.83	8.70	8.82	12.24	11.86	750.50	43.51	7.92
85176100	BASE STATIONS	1.46	3.17	0.88	13.54	2.36	0.94	1.76	2.06	2.43	1.78
85176210	PLCC EQUIPMENT	8.13	5.06	2.23	4.15	5.04	2.50	4.45	5.85	2.72	2.51
85176220	VOICE FREQUENCY TELEGRAPHY	0.29	1.07	2.16	1.99	0.27	0.36	0.38	0.27	2.28	3.59
85176230	MODEMS (MODULATORS-DEMODULATORS)	2.28	2.52	4.75	6.11	4.62	4.33	1.99	4.02	5.02	6.93
85176240	HIGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	18.36	0.86	0.12	0.02	0.01	0.07	0.00	0.69	0.01	0.00
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	1.37	0.50	1.79	0.94	0.32	0.31	0.45	0.29	0.36	0.31
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	0.03	0.02	0.09	0.94	3.62	4.94	3.29	6.37	6.03	11.59
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	10.75	16.71	22.37	20.02	14.55	8.67	9.89	4.16	7.50	2.81
85176290	OTHER	117.94	130.35	165.56	486.76	612.03	444.33	611.07	695.04	889.20	863.82
85176910	ISDN TERMINALS	0.04	0.12	0.10	0.18	0.79	0.12	0.12	0.07	0.07	0.08
85176920	ISDN TERMINAL ADAPTERS	0.15	0.07	0.03	0.10	0.13	0.36	0.03	1.12	1.27	0.06
85176930	ROUTERS	2.63	5.33	4.79	9.77	10.95	11.03	-	-	-	0.00
85176940	X25 PADS	0.00	0.00	-	-	-	0.00	0.01	0.00	0.00	0.00
85176950	SUBSCRIBER END EQUIPMENT	0.03	0.00	-	0.15	0.13	0.03	0.01	0.04	0.05	0.00
85176960	SET TOP BOXES FOR ACCESSING INTERNET	4.45	0.75	2.72	0.47	0.89	0.16	0.08	0.06	6.42	1.48
85176970	ATTACHMENTS FOR TELEPHONES	0.55	0.43	0.10	0.23	0.51	0.09	0.04	0.05	0.14	0.54
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTEM	81.54	77.21	60.10	80.03	37.62	28.38	33.98	37.72	61.80	44.89
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	23.00	16.61	36.92	44.37	73.26	145.52	276.42	400.61	-	0.00
85177090	OTHR PARTS OF TELEPHONE/TELEGRAPHIC APPARATUS	464.56	322.67	492.41	214.08	186.10	157.38	189.07	324.91	-	0.00
85177100	AERIALS AND AERIAL REFLECTORS OF ALL KINDS / PARTS	-	-	-	-	-	-	-	-	-	65.43
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	-	-	-	-	-	-	98.33	94.46
85177990	OTHER	-	-	-	-	-	-	-	-	238.95	297.80
85195000	TELEPHONE ANSWERING MACHINES	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	-	0.00
85198100	TRANSCRIBING MACHINES	-	-	-	-	-	-	-	-	-	0.03
85235210	SIM CARDS	78.23	96.64	91.15	72.83	60.59	57.19	45.33	52.40	62.42	52.27
85255040	COMMUNICATION JAMMING EQUIPMENT	0.00	0.01	-	0.01	-	-	0.02	0.11	0.20	0.00
85256011	WALKIE TALKIE SET	0.58	0.61	0.31	0.41	0.60	0.83	-	-	-	0.00
85256012	MARINE RADIO COMMUNICATION EQUIPMENT	0.05	0.02	0.00	0.01	0.03	0.14	-	-	-	0.00
85256013	AMATEUR RADIO EQUIPMENT	0.04	0.01	0.07	0.23	0.19	0.09	-	-	-	0.00
85256019	CORDLESS HANDSET	0.62	0.39	1.54	4.19	1.19	0.68	-	-	-	0.00
85256091	VSAT TERMINALS	0.08	0.00	0.05	0.09	-	0.00	-	-	-	0.00
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	0.46	0.02	0.03	0.15	0.09	0.03	-	-	-	0.00
85256099	OTHERS	11.29	7.30	5.61	0.85	0.52	0.41	-	-	-	0.00
85279911	RADIO PAGERS	0.00	-	-	-	0.01	0.00	-	-	-	0.00
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	0.10	0.03	0.01	0.01	0.04	0.00	0.07	0.02	0.08	0.01
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.00	0.04	0.03	0.12	1.23	0.19	0.10	0.02	0.01	0.02
85291019	DISH ANTENNA FR OTHR USE	17.34	31.37	5.39	3.80	10.71	5.42	3.52	4.45	1.70	1.33
85291021	OTHR ANTENNA FR COMMNCN JAMMING EQPTMNTS	0.01	-	-	-	-	-	0.00	0.12	0.01	0.00
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	-	-	-	0.00	-	-	0.00	6.86	1.58	2.68
85291029	OTHR ANTENNA FR OTHR USE	4.63	5.62	4.92	6.93	5.97	7.42	7.90	5.22	10.32	8.03
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	0.02	0.01	-	0.00	0.00	0.00	0.00	0.13	0.10	0.01
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.00	-	-	0.01	-	0.01	0.00	0.07	2.00	1.25
85291099	AERIAL PARTS FR OTHR USE	67.93	24.15	7.01	0.99	5.52	15.68	36.63	35.97	4.95	7.51
85299010	OTHR PARTS FR COMMNCN JAMMING EQPTMNTS	3.11	1.41	2.95	2.14	0.96	0.88	0.35	0.32	0.70	0.40
85299020	OTHR PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.95	3.40	7.00	5.76	5.73	5.71	0.48	1.84	1.57	1.12
85299090	OTHR PARTS FR OTHR USE	132.14	98.41	121.72	67.24	92.95	134.52	177.64	176.07	165.14	203.53
85442010	CO-AXIAL CABLE	6.38	35.38	10.02	2.85	2.83	9.12	6.59	3.17	5.22	8.30
85442090	OTHR CO-AXIAL ELECTRIC CONDUCTORS EXCL CO-AXIAL CABLE	23.71	16.36	9.67	8.07	8.07	15.84	12.04	13.02	19.75	18.26
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	0.01	0.02	0.05	0.01	0.03	0.01	0.01	0.03	0.09	0.08
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	1.38	2.77	1.10	2.30	2.92	3.22	2.17	2.67	4.64	6.14
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	0.02	0.03	0.05	0.22	0.00	0.03	0.09	0.17	0.01	0.05
85444299	OTHR ELECTRIC CONDUCTORS FITTED WITH CONNECTORS USED IN TELECOM FOR <	19.70	31.66	38.88	42.96	58.49	69.08	87.96	107.68	139.30	138.30
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	0.12	0.01	0.95	0.65	0.14	-	0.65	0.32	0.81	0.63
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	5.64	4.10	3.03	3.39	5.12	8.71	11.76	30.98	32.78	30.35
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	0.02	0.05	0.06	0.05	0.03	0.30	0.04	0.04	0.01	0.09
85444999	OTHR ELECTRIC CONDUCTORS NOT FITTED WITH CONNECTORS USED IN TELECOM	28.88	26.45	31.62	49.38	70.40	72.18	77.20	94.68	166.17	167.45
85447090	OPTICAL FIBRE CABLES OTHER THAN LEAD ALLOY SHEATHED CABLES	29.66	26.85	21.21	25.70	30.56	30.91	49.24	70.46	53.82	47.68
90011000	OPTICAL FIBRES, OPTICAL FIBRE BUNDLES AND CABLES	168.76	194.30	232.32	297.73	271.67	230.18	238.92	469.08	703.04	362.91

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.

Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:

i. HS Codes - 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HS Code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone has also been added in the list.

ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)

iii. 85198100 (transcribing machine) (Newly created)

Source: O/o Director (Policy), DoT

Table 9.4 - India's Imports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (In Quantity) (Contd.)

Hs Code	Commodity	Unit	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
85171110	PUSH BUTTON TYPE	NOS	1605942	2217824	900793	710966	724399	668429	656838	931701
85171190	OTHERS	NOS	922067	4290276	885325	2429968	1410439	1674448	2006604	1840607
85171210	PUSH BUTTON TYPE	NOS	-	-	18764840	10864317	10674416	10583404	12449080	14115337
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	NOS	-	-	-	-	-	-	-	-
85171219	MOBILE PHONES, PUSH BUTTON TYPE	NOS	-	-	-	-	-	-	-	-
85171290	OTHER	NOS	-	-	41073558	53355325	114842688	132333872	146947038	173265140
85171300	SMARTPHONES	NOS	-	-	-	-	-	-	-	-
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	NOS	-	-	-	-	-	-	-	-
85171810	PUSH BUTTON TYPE	NOS	-	-	353543	250377	69200	51401	32937	41112
85171890	OTHER	NOS	-	-	486120	319898	3407569	328738	766428	1014683
85176100	BASE STATIONS	NOS	-	-	121924	73097	85044	52057	28960	48797
85176210	PLCC EQUIPMENT	NOS	-	-	5716	8708	8189	15637	11952	13636
85176220	VOICE FREQUENCY TELEGRAPHY	NOS	-	-	23	2674	147	459	2404	466
85176230	MODEMS (MODULATORS-DEMODULATORS)	NOS	-	-	2038499	4136860	4908118	7371147	9084377	7593004
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	NOS	-	-	439	69	1	296	83	270
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	NOS	-	-	1401	163	1330	5082	3789	6870
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	NOS	-	-	24603	17064	32469	18901	5580	7501
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	NOS	-	-	76156	19419	111390	21374	19801	14139
85176290	OTHER	NOS	-	-	1758160	2404476	3595559	2333721	2333258	3430861
85176910	ISDN TERMINALS	NOS	-	-	1334	462	526	2502	8676	348
85176920	ISDN TERMINAL ADAPTERS	NOS	-	-	310	5529	1088	1586	801	138
85176930	ROUTERS	NOS	-	-	374476	377082	429633	935528	1602695	2953063
85176940	X25 PADS	NOS	-	-	21	419	7	3	137	74
85176950	SUBSCRIBER END EQUIPMENT	NOS	-	-	33622	16628	83121	5147	55085	153497
85176960	SET TOP BOXES FOR ACCESSING INTERNET	NOS	-	-	2633277	1675619	6443522	3821845	3977820	1868773
85176970	ATTACHMENTS FOR TELEPHONES	NOS	-	-	204436	511438	9657	21689	12865	9140
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	NOS	-	-	3344567	4528605	2519292	1787647	2498352	4755438
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	NOS	-	-	3009344	4254787	18420384	1860513	1445803	975316
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	KGS	-	-	64841478	89296745	6819488147	52010715	115106683	34353362
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	NOS	-	-	-	-	-	-	-	-
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	NOS	-	-	-	-	-	-	-	-
85177990	OTHER	NOS	-	-	-	-	-	-	-	-
85195000	TELEPHONE ANSWRNG MCHNS	NOS	-	-	101	36	45	2249	85	56
85198100	TRANSCRIBING MACHINES	NOS	-	-	-	-	-	-	-	-
85235210	SIM CARDS	NOS	-	-	207512757	221230260	557330720	714551228	623735980	294619488
85255040	COMMUNICATION JAMMING EQUIPMENT	NOS	-	-	-	43	285	16	65	24
85256011	WALKIE TALKIE SET	NOS	-	-	117102	109104	142600	95687	119537	105312
85256012	MARINE RADIO COMMUNICATION EQPMNT	NOS	-	-	2310	1510	1083	1427	1035	1107
85256013	AMATEUR RADIO EQUIPMENT	NOS	-	-	420	40	110	27	12	346
85256019	CORDLESS HANDSET	NOS	-	-	313345	58563	39007	37599	13775	5755
85256091	VSAT TERMINALS	NOS	-	-	69032	18288	24733	26946	19294	9050
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	NOS	-	-	31093	13744	5461	1116	2569	1652
85256099	OTHERS	NOS	-	-	12994	23636	21335	6421	13685	1213
85279911	RADIO PAGERS	NOS	-	-	513	316	113	132	484	1
85291011	DISH ANTENNA FR COMMNCN JAMMNG EQPTMNTS	NOS	39214	16460	105946	32621	64317	12480	1548915	3544
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	1230	7789	208	50	532	14244	20	3225
85291019	DISH ANTENNA FR OTHR USE	NOS	2754295	3523041	5975201	3429278	5113259	3943205	4983136	1781149
85291021	OTHR ANTENNA FR COMMNCN JAMMNG EQPTMNTS	KGS	32574	21967	36937	42832	700	853	567	3295
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	21534	189	780	14	40	4302	-	2201
85291029	OTHR ANTENNA FR OTHR USE	NOS	4212716	5342001	8009604	2096163	1579534	1356899	2958600	1406977
85291091	AERIAL PARTS FR COMMNCN JAMMNG EQPTMNTS	NOS	2972	1081	8621	1227	226634	5196	937	1
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	1000	442	12	2002	48	16661	-	-
85291099	AERIAL PARTS FR OTHR USE	NOS	1998944	2452862	1672065	502632	685097	387625	441532	205915
85299010	OTHE PARTS FR COMMNCN JAMMNG EQPTMNTS	NOS	1835736	203911	390194	103402	28973	33350	80305	76346
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	2064	4355	7602	2147	516	6987	7087	5719
85299090	OTHE PARTS FR OTHR USE	NOS	34911817	29821330	69449949	62400819	62331146	43580499	56870450	31945390
85442010	CO-AXIAL CABLE	MTR	4828216	24401534	20685649	13464825	8555321	4690845	9198220	7298888
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	MTR	4065130	10222501	7992007	9820588	4941501	5294704	5301127	3848239
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	-	-	205806	22600	271176	59272	123154	26788
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	-	-	2349480	274249	327784	349044	584706	391032
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	-	-	24531	37592	43229	34100	32013	85945
85444299	OTHR ELCTRC CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	MTR	-	-	2077411	1549666	3716370	3428559	4588672	2628829
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	-	-	46191	21924	91997	105933	86897	48911
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	-	-	1577642	1339442	1407256	3288175	2924160	1696915
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	-	-	47893	8756	10576	65235	42315	15316
85444999	OTHR ELCTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	MTR	-	-	26160467	18748252	23262082	18109422	20705097	11056090
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	MTR	1095324	10058271	7982804	5438456	1488884	1940010	3158039	783963
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	KGS	1940863	7493076	3751316	1955491	1590904	1408785	2911549	4574621

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.

Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:

i. HS Codes- 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HS Code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone has also been added in the list.

ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)

iii. 85198100 (transcribing machine) (Newly created)

Source: O/o Director (Policy), DoT

Table 9.4 - India's Imports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (In Quantity)

Hs Code	Commodity	Unit	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
85171110	PUSH BUTTON TYPE	NOS	1314256	812805	448986	769629	635484	656268	601853	2047783	953859	830774
85171190	OTHERS	NOS	1380218	1891341	2384443	1175450	916786	380774	112472	61225824	575108	112846
85171210	PUSH BUTTON TYPE	NOS	26031517	10690309	4855677	37677705	14753052	1687682	-	-	-	0
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	NOS	-	-	-	-	-	-	-	2005159	-	0
85171219	MOBILE PHONES, PUSH BUTTON TYPE	NOS	-	-	-	-	-	-	-	500664	-	3
85171290	OTHER	NOS	183667398	135019315	70924740	52842592	12226324	4291591	1166584	1173883	-	0
85171300	SMARTPHONES	NOS	-	-	-	-	-	-	-	-	-	1537740
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	NOS	-	-	-	-	-	-	-	-	-	1297359
85171810	PUSH BUTTON TYPE	NOS	26262	21216	299130	305940	144809	229691	638723	641443	488711	316835
85171890	OTHER	NOS	426293	737700	411658	1070623	664530	275181	248153	116863223	432078	544167
85176100	BASE STATIONS	NOS	43688	121746	147578	176510	81647	50777	104784	90491	19326	2951
85176210	PLCC EQUIPMENT	NOS	19785	21850	291954	4432	10152	336057	72722	10650	7051	64968
85176220	VOICE FREQUENCY TELEGRAPHY	NOS	614	1042	551	1146	2619	4210	8153	139818	6850	67981
85176230	MODEMS (MODULATORS-DEMODULATORS)	NOS	7577401	5248259	3707590	2400509	3351352	1674140	3894972	3158619	2570656	214650
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	NOS	1133	1075	1222	1921	1603	1286	1586	2863	1258	0
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	NOS	52449	108917	53839	14325	1997	3115	12285	30989	20974	5795
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	NOS	6896	11740	18152	12183	18102	4930	2442	2131	3181	5140
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	NOS	50586	60559	67351	101508	69221	48059	60443	173745	3950048	1394726
85176290	OTHER	NOS	6170015	21406695	24994917	24710672	43052118	45470088	86011001	173964785	90310225	105476875
85176910	ISDN TERMINALS	NOS	2415	4623	7597	2662	2420	2417	13354	3415	2076	6226
85176920	ISDN TERMINAL ADAPTERS	NOS	13821	37981	9313	43789	1149	1937	18955	4957	2251	1396
85176930	ROUTERS	NOS	3240150	4608397	10802718	12490145	5643172	3924930	-	-	-	0
85176940	X25 PADS	NOS	1	5	-	13	16	3	13	-	-	5
85176950	SUBSCRIBER END EQUIPMENT	NOS	47426	121289	334875	528558	1884504	2736762	3928472	3176226	1491453	0
85176960	SET TOP BOXES FOR ACCESSING INTERNET	NOS	1405771	81398	78164	6123188	1148956	264310	703472	98652	40405	228629
85176970	ATTACHMENTS FOR TELEPHONES	NOS	55043	198836	163706	587387	265413	395956	350865	493705	638822	806961
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	NOS	6504644	17733617	20730436	12797078	6827713	2860004	5955293	24822597	13711821	12174595
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	NOS	1976734	6150622	7661814	311897026	300704265	297826967	238221383	7150365	-	0
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	KGS	31647624	72593200	736557474	108281673	55844743	74822877	55653041	1287324986	-	0
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	NOS	-	-	-	-	-	-	-	-	-	312797160
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	NOS	-	-	-	-	-	-	-	-	331552695	634476105
85177990	OTHER	NOS	-	-	-	-	-	-	-	-	10022478874	11357828801
85195000	TELEPHONE ANSWRNG MCHNS	NOS	139	-	204	717	403	2	661	100	-	0
85198100	TRANSCRIBING MACHINES	NOS	-	-	-	-	-	-	-	-	-	42071
85235210	SIM CARDS	NOS	329544071	400172776	569922252	340596511	206510183	245110611	15586341	16053780	35128352	27609618
85255040	COMMUNICATION JAMMING EQUIPMENT	NOS	30	37	256	373	1226	40	52	17	18	33
85256011	WALKIE TALKIE SET	NOS	135330	162573	182848	185930	172070	167256	-	-	-	0
85256012	MARINE RADIO COMMUNICATION EQPMNT	NOS	518	446	259	17814	278	853	-	-	-	0
85256013	AMATEUR RADIO EQUIPMENT	NOS	-	86	1	1	1	2	-	-	-	0
85256019	CORDLESS HANDSET	NOS	8400	11672	2550	5594	13899	52301	-	-	-	0
85256091	VSAT TERMINALS	NOS	6212	9226	4710	12172	2386	110	-	-	-	0
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	NOS	263	4365	329	2248	6346	436	-	-	-	0
85256099	OTHERS	NOS	27606	9671	10596	13760	9595	6371	-	-	-	0
85279911	RADIO PAGERS	NOS	-	-	13	-	-	1	1	-	-	0
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	NOS	2938	7693	1170	31642	14712	11496	6384	10222	206	3222
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	1467	3540	8	65	2113	12026	200	43	10	173784
85291019	DISH ANTENNA FR OTHR USE	NOS	5290195	3210350	4260611	8766123	6047097	3043120	5948508	5700407	2009846	1405012
85291021	OTHR ANTENNA FR COMMNCN JAMMING EQPTMNTS	KGS	3292	669	585	5422	124671	44027	61398	81544	65472	78789
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	NOS	123	95	5	1001	-	230	1279	14	666	2126
85291029	OTHR ANTENNA FR OTHR USE	NOS	2960020	1370334	871049	10216579	10266983	14598105	24892734	38670187	278695918	25194969
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	NOS	50	384	716	564	30941	634	6579	2480	46445	2781
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	4	251	2397	1127	86	58	553	1309	76569	24466
85291099	AERIAL PARTS FR OTHR USE	NOS	298832	409561	351188	5754144	5276234	9046519	9247874	6547423	8506042	9048814
85299010	OTHE PARTS FR COMMNCN JAMMING EQPTMNTS	NOS	18595	9936	26890	698371	371830	10469	452375	24637	3554	370
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	NOS	13854	25095	8044	478757	462398	171084	641324	807005	1280767	1275223
85299090	OTHE PARTS FR OTHR USE	NOS	50538243	42042060	65798493	1747594308	1550961373	1673179327	54429887308	2292344180	2597943465	2889451201
85442010	CO-AXIAL CABLE	MTR	16894422	13226703	9051272	340848181	259408607	181968592	206823807	1361705532	1285337571	206250915
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	MTR	3782027	2848127	3097406	60470565	95247764	51257170	40874463	66296763	103435514	94208587
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	4255	8184	6005	96991	132841	19058	18491	106516	54508	81903
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	390543	225192	496321	10971153	11752424	7923774	8339030	16063321	509682242	7568163
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	30027	155298	29619	727875	159436	113666	40083	53204	316227	70603
85444299	OTHR ELCTR CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	MTR	2964935	4382467	5779105	157377781	226831952	169132088	879779100	235799009	429211993	253105541
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	MTR	31704	69563	39182	321441	172554	734204	377269	592554	425310	1736072
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	MTR	1258639	1482296	1902867	62121604	57384955	42727458	44260959	44468530	45856985	55916283
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	MTR	13693	39903	12906	525740	323506	1300444	2596494	28450133	2602940	1850846
85444999	OTHR ELCTR CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	MTR	12042220	13890837	11831406	419897731	775980375	577206203	660884870	805916422	3133430383	952479264
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	MTR	1476403	2243192	1941991	92273045	181756954	136755109	222569109	165963701	122386946	175161359
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	KGS	3323857	1876528	1702276	1936034	5632156	2156167	1213753	3214771	8580662	2886828

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.

Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:

i. HS Codes- 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HS Code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone, has also been added in the list.

ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)

iii. 85198100 (transcribing machine) (Newly created)

Source: O/o Director (Policy), DoT

Table 9.5 - India's Imports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (₹ in lakhs)(Contd.)

Hs Code	Commodity	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
85171110	PUSH BUTTON TYPE	7285.31	14158.92	5909.39	4121.56	4358.65	4491.52	3343.23	4480.82
85171190	OTHERS	14497.26	60244.32	11893.86	16326.80	15806.64	20435.46	22529.11	20026.60
85171210	PUSH BUTTON TYPE	-	-	323203.33	211462.79	216771.52	252595.70	337397.05	247067.32
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	-	-	-	-	-	-	-	-
85171219	MOBILE PHONES, PUSH BUTTON TYPE	-	-	-	-	-	-	-	-
85171290	OTHER	-	-	1379667.36	1316126.97	2273418.76	2518987.25	2246117.59	3324557.03
85171300	SMARTPHONES	-	-	-	-	-	-	-	-
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	-	-	-	-	-	-	-	-
85171810	PUSH BUTTON TYPE	-	-	2426.80	775.60	731.92	1649.05	1624.47	1624.95
85171890	OTHER	-	-	13819.10	22390.38	21942.74	23563.51	29507.49	22416.02
85176100	BASE STATIONS	-	-	214606.22	197923.70	178561.60	77234.43	20283.87	31997.06
85176210	PLCC EQUIPMENT	-	-	2234.61	2293.31	2314.58	5152.75	7045.81	6369.58
85176220	VOICE FREQUENCY TELEGRAPHY	-	-	29.44	371.95	1314.39	201.75	1312.74	1029.72
85176230	MODEMS (MODULATORS-DEMULATORS)	-	-	30261.84	65190.58	64681.50	94608.55	101149.08	86949.12
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	-	-	402.72	55.05	0.38	53.28	47.35	49.14
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	-	-	497.88	292.53	439.05	720.49	618.82	1059.08
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	-	-	18697.40	7624.43	10117.67	9113.00	3877.21	4566.91
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	-	-	39960.75	11100.33	29209.34	21062.79	8519.54	7095.39
85176290	OTHER	-	-	664124.12	842573.28	532599.16	451465.86	515098.45	767079.63
85176910	ISDN TERMINALS	-	-	553.14	204.47	802.11	1389.45	2531.78	997.28
85176920	ISDN TERMINAL ADAPTERS	-	-	274.43	412.44	162.45	523.39	160.10	115.69
85176930	ROUTERS	-	-	64953.80	54671.39	58379.44	61920.79	69937.74	98785.43
85176940	X25 PADS	-	-	57.53	214.55	2.14	17.61	23.53	20.18
85176950	SUBSCRIBER END EQUIPMENT	-	-	1149.44	787.77	1492.06	507.97	977.65	2106.25
85176960	SET TOP BOXES FOR ACCESSING INTERNET	-	-	39911.79	36457.16	73671.35	60126.11	61457.90	29616.66
85176970	ATTACHMENTS FOR TELEPHONES	-	-	1107.71	2642.60	605.02	373.36	189.11	249.82
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	-	-	249249.82	218806.83	196304.95	315249.23	358945.22	332410.67
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	89006.46	65261.19	62727.04	61322.87	66343.70	64046.73
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	-	-	945044.33	877112.73	1348114.84	1225617.37	1515621.87	1561621.17
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	-	-	-	-	-	-	-	-
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	-	-	-	-	-	-
85177990	OTHER	-	-	-	-	-	-	-	-
85195000	TELEPHONE ANSWRNG MCHNS	-	-	0.24	4.93	1.47	7.78	11.13	7.49
85198100	TRANSCRIBING MACHINES	-	-	-	-	-	-	-	-
85235210	SIM CARDS	-	-	51605.46	34373.19	58701.40	60102.33	51406.75	25778.16
85255040	COMMUNICATION JAMMING EQUIPMENT	-	-	-	766.69	48.30	37.01	1985.98	837.46
85256011	WALKIE TALKIE SET	-	-	5428.42	5337.11	6473.78	4745.31	6665.90	5436.27
85256012	MARINE RADIO COMMUNICATION EQPMNT	-	-	2070.50	1146.58	768.65	1400.89	825.86	660.15
85256013	AMATEUR RADIO EQUIPMENT	-	-	96.89	1.81	14.78	10.70	1.87	63.10
85256019	CORDLESS HANDSET	-	-	246074.31	48408.48	23960.17	20546.13	10211.96	2074.57
85256091	VSAT TERMINALS	-	-	4462.09	2050.36	5045.35	2438.13	1927.65	887.72
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	-	-	13767.27	3763.36	1821.83	1392.02	874.27	439.19
85256099	OTHERS	-	-	20024.13	14067.36	13447.18	5206.76	1932.63	4695.22
85279911	RADIO PAGERS	-	-	8.45	7.83	2.92	1.96	148.14	0.22
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	333.17	343.25	787.90	498.48	363.33	161.53	3299.61	53.17
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	12.40	60.43	1.06	1.69	2.88	196.97	0.19	37.89
85291019	DISH ANTENNA FR OTHR USE	23851.41	31734.80	66439.05	27300.16	34992.27	32010.18	34952.29	10694.96
85291021	OTHR ANTENNA FR COMMNCN JAMMING EQPTMNTS	288.02	140.79	380.77	141.23	11.27	13.51	4.82	62.69
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	318.45	1.72	4.55	0.18	0.76	46.16	-	30.25
85291029	OTHR ANTENNA FR OTHR USE	39732.98	39048.75	48874.54	19955.89	14543.25	19162.60	23663.85	19972.43
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	72.54	13.84	613.17	19.37	1757.67	26.83	13.77	0.03
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	10.63	3.62	0.46	24.51	0.62	119.08	-	-
85291099	AERIAL PARTS FR OTHR USE	20050.13	23886.20	15397.35	4253.88	7826.19	3782.63	8476.63	2943.98
85299010	OTHE PARTS FR COMMNCN JAMMING EQPTMNTS	14038.37	2292.16	7112.56	2651.09	326.99	619.39	1219.75	1160.96
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	31.01	61.77	149.38	61.14	25.96	55.77	61.07	68.41
85299090	OTHE PARTS FR OTHR USE	268553.28	222913.27	342374.17	324788.44	362357.93	436952.66	567066.35	587316.14
85442010	CO-AXIAL CABLE	17596.20	53267.62	45475.36	40593.07	26752.26	22733.28	30334.19	29430.87
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	14729.61	26775.77	31924.25	32069.92	22545.72	24320.55	27299.20	25338.27
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	-	-	640.76	131.44	114.27	278.35	776.91	421.80
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	-	-	24965.04	1819.88	1235.40	2568.83	3104.54	2419.36
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	-	-	84.10	203.10	371.03	188.21	286.71	2456.98
85444299	OTHR ELTRC CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	-	-	6796.46	7393.60	17282.64	20053.07	25767.41	25551.29
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	-	-	167.03	153.93	283.05	531.60	460.86	450.76
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	-	-	5925.09	5019.57	5249.42	15024.48	12214.65	11489.10
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	-	-	174.26	25.34	37.83	279.14	178.55	136.38
85444999	OTHR ELTRC CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	-	-	93273.47	66752.31	76077.46	85953.85	82838.85	91527.76
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	6284.19	93446.60	19786.14	14098.23	8879.34	16807.38	17503.93	11611.18
90011000	OPTCL FBRS,OPTICAL FIBRE BUNDLES AND CABLES	15787.45	36104.21	26041.77	17114.84	16072.04	21749.31	29607.41	38393.25

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.
 Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:
 i. HS Codes- 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HS Code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone has also been added in the list.
 ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)
 iii. 85198100 (transcribing machine) (Newly created)

Source: O/o Director (Policy), DoT

Table 9.5 - India's Imports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (₹ in lakhs)

Hs Code	Commodity	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
85171110	PUSH BUTTON TYPE	6154.26	4195.91	2434.96	5024.67	3813.96	4654.21	5765.29	5941.94	6639.17	7231.09
85171190	OTHERS	19256.25	18821.24	15302.22	11032.96	8437.51	5416.87	4411.78	49394.92	1775.31	2962.66
85171210	PUSH BUTTON TYPE	204028.96	87772.20	32224.70	601831.34	273554.76	239538.47	-	-	-	0.00
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	-	-	-	-	-	-	-	802315.58	-	0.00
85171219	MOBILE PHONES, PUSH BUTTON TYPE	-	-	-	-	-	-	-	3975.39	-	1.68
85171290	OTHER	4656909.42	3852542.38	2508701.66	1676955.99	856869.75	500791.01	53637.11	314654.51	-	878.02
85171300	SMARTPHONES	-	-	-	-	-	-	-	-	-	766555.76
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	-	-	-	-	-	-	-	-	-	5365.12
85171810	PUSH BUTTON TYPE	1735.18	1123.53	1779.40	2018.33	1393.22	3400.77	4253.72	14319.15	5689.40	6111.20
85171890	OTHER	20525.64	20962.80	14482.86	17883.09	16328.30	8335.38	6035.54	44272.92	6727.05	5468.95
85176100	BASE STATIONS	45289.81	201664.96	664386.60	242364.87	30583.36	23762.95	87926.24	83416.19	16762.68	4021.67
85176210	PLCC EQUIPMENT	4316.09	4050.60	7555.60	4987.92	3803.46	5604.19	3752.20	2100.68	2971.66	5192.37
85176220	VOICE FREQUENCY TELEGRAPHY	531.72	731.65	618.21	219.40	689.88	3019.46	5347.59	1397.81	1927.60	419.40
85176230	MODEMS (MODULATORS-DEMODULATORS)	93707.34	71408.90	73183.32	49377.16	30146.20	24492.50	62324.77	59430.86	67518.39	9303.35
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	227.40	187.40	211.44	561.28	1126.98	1504.29	783.63	245.43	295.97	0.00
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	3095.96	5024.18	3926.83	1848.57	1503.78	2622.46	1877.39	1544.72	1748.06	2251.60
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	3009.66	4369.38	5997.01	3686.12	4418.74	6460.52	8358.71	3230.12	3588.60	2488.32
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	4267.47	9317.72	8873.58	9299.82	6321.93	6857.26	13365.44	8084.71	6666.10	3508.73
85176290	OTHER	1390138.84	1509471.02	1601354.94	2638773.91	3716757.63	2158162.76	2616495.00	2856568.58	3722063.29	3208596.93
85176910	ISDN TERMINALS	3711.82	9629.99	11376.34	3053.83	1451.86	1008.50	1125.75	1199.33	1145.50	1059.42
85176920	ISDN TERMINAL ADAPTERS	132.57	158.67	68.36	207.46	190.92	457.51	528.99	319.90	309.06	207.94
85176930	ROUTERS	166394.84	175315.50	319744.71	344480.67	292466.95	191152.31	-	-	-	0.00
85176940	X25 PADS	2.45	0.62	-	1.60	1.73	4.39	0.80	-	3.31	4.53
85176950	SUBSCRIBER END EQUIPMENT	1865.83	5285.53	13251.41	11721.74	32085.24	44342.29	66746.25	75009.29	35611.57	0.00
85176960	SET TOP BOXES FOR ACCESSING INTERNET	22166.27	1866.25	2051.80	64014.93	29112.70	7353.40	12329.47	392.33	537.26	3986.45
85176970	ATTACHMENTS FOR TELEPHONES	1613.78	3260.55	3940.01	3122.26	2701.89	982.69	310.74	285.02	324.05	213.85
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	364304.03	508731.61	561476.44	426801.54	369110.77	313255.26	256435.26	199386.54	230018.31	207113.97
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	119958.48	357292.46	792284.58	3130433.96	1468636.56	494466.37	397815.76	397937.62	-	0.00
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	1617320.12	2955371.65	4196577.12	4322310.88	4622095.33	5109407.15	4762705.12	5515103.28	-	0.00
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	-	-	-	-	-	-	-	-	-	250911.21
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	-	-	-	-	-	-	781238.30	1159236.48
85177990	OTHER	-	-	-	-	-	-	-	-	6527174.41	7942539.36
85195000	TELEPHONE ANSWRNG MCHNS	3.53	-	17.32	10.77	7.12	9.32	7.91	0.06	-	0.00
85198100	TRANSCRIBING MACHINES	-	-	-	-	-	-	-	-	-	2273.59
85235210	SIM CARDS	29020.34	37000.28	51575.43	22207.26	15443.84	14319.10	1958.61	3099.39	13303.39	7342.14
85255040	COMMUNICATION JAMMING EQUIPMENT	1293.47	1680.97	9645.31	3433.69	1652.31	1063.77	3787.73	2123.16	1923.80	4661.97
85256011	WALKIE TALKIE SET	8500.12	11714.03	14988.77	15925.43	16427.23	9839.70	-	-	-	0.00
85256012	MARINE RADIO COMMUNICATION EQPMNT	752.38	592.78	455.02	2016.76	198.56	528.09	-	-	-	0.00
85256013	AMATEUR RADIO EQUIPMENT	-	199.32	3.21	2.39	0.91	0.11	-	-	-	0.00
85256019	CORDLESS HANDSET	17285.30	4113.32	1224.75	1023.23	3336.01	6043.61	-	-	-	0.00
85256091	VSAT TERMINALS	583.03	769.06	615.61	988.10	315.79	100.21	-	-	-	0.00
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	1396.01	1341.24	275.75	1268.36	8803.35	1103.26	-	-	-	0.00
85256099	OTHERS	3543.08	2710.38	8443.88	5536.62	1982.70	2142.69	-	-	-	0.00
85279911	RADIO PAGERS	-	-	2.11	-	0.69	0.02	-	-	-	0.00
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	28.34	171.45	51.09	73.73	43.55	15.73	277.43	27.12	17.56	35.38
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	158.05	100.84	0.11	96.53	61.76	25.59	0.89	0.55	1.94	74.82
85291019	DISH ANTENNA FR OTHR USE	28486.67	33889.97	26067.74	20810.95	14933.46	14891.67	9652.82	5899.98	23052.17	5609.41
85291021	OTHR ANTENNA FR COMMNCN JAMMING EQPTMNTS	48.06	10.64	1.71	112.50	475.92	129.13	97.14	340.33	144.29	183.55
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	4.68	1.53	0.20	4.15	-	3661.21	9380.47	1.32	7.63	58.84
85291029	OTHR ANTENNA FR OTHR USE	47737.98	29900.82	13933.91	16993.62	21078.26	30860.88	36461.83	35670.78	75025.66	83083.42
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	2.02	13.55	26.42	11.83	16.61	13.57	45.03	31.28	61.38	5.10
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.03	10.63	75.24	6.51	38.91	339.80	5094.22	792.63	214.46	614.23
85291099	AERIAL PARTS FR OTHR USE	4182.67	4683.51	5558.95	5356.60	11962.34	14141.87	38202.43	47125.91	20526.11	22289.85
85299010	OTHE PARTS FR COMMNCN JAMMING EQPTMNTS	285.72	235.01	271.50	577.31	122.89	45.57	2614.36	40.08	13.50	18.84
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	163.06	520.29	182.96	302.46	540.28	318.64	834.95	1288.18	1448.45	1275.18
85299090	OTHE PARTS FR OTHR USE	684621.36	733873.31	852529.32	872353.01	919724.32	932364.89	1508460.97	1169274.55	1214078.54	995517.70
85442010	CO-AXIAL CABLE	39669.96	39814.32	32195.89	39067.64	44077.32	32739.01	29389.13	31444.57	41670.03	47053.79
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	30840.23	29851.60	23804.13	22973.98	29336.97	23168.41	21342.67	24309.58	32521.74	42910.75
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	105.75	111.60	100.14	95.74	178.69	172.70	62.61	176.84	187.50	229.57
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	2417.16	1498.40	3125.81	7076.03	6755.37	6047.45	8712.50	11992.31	10490.19	15002.59
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	1248.25	8441.71	1339.35	937.47	194.59	147.66	150.37	153.94	142.37	158.29
85444299	OTHR ELCTRCL CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	36789.21	46240.96	64225.09	95596.29	124092.70	125403.23	125481.12	148633.85	201441.80	202651.92
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	438.39	1037.09	564.77	305.01	291.69	486.75	379.49	567.18	989.37	1958.07
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	11105.25	13337.58	17216.65	14377.51	13112.70	11384.94	13390.04	16715.33	20138.22	18400.40
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	310.99	411.36	160.72	161.83	199.85	345.88	456.68	833.31	1344.37	713.84
85444999	OTHR ELCTRCL CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	120518.83	135911.71	133835.18	163309.08	175283.25	154374.42	141517.20	208819.83	237430.64	251535.72
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	24812.07	31814.72	29144.94	33402.58	46680.16	35960.07	30869.12	27203.08	26854.71	27032.97
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	27615.42	26397.16	25586.77	33142.30	127492.88	40232.37	35658.28	58538.28	133877.82	54016.10

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.

Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:

- i. HSN Codes - 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HSN Code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone has also been added in the list.
- ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)
- iii. 85198100 (transcribing machine) (Newly created)

Source: O/a Director (Policy), DoT

Table 9.6 - India's Imports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (US \$ in million) (Contd.)

Hs Code	Commodity	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
85171110	PUSH BUTTON TYPE	16.23	35.24	13.15	8.70	9.54	9.32	6.13	7.34
85171190	OTHERS	32.64	149.44	25.98	34.25	34.55	42.49	41.49	33.17
85171210	PUSH BUTTON TYPE	-	-	720.26	447.26	475.88	526.49	620.17	408.07
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	-	-	-	-	-	-	-	-
85171219	MOBILE PHONES, PUSH BUTTON TYPE	-	-	-	-	-	-	-	-
85171290	OTHER	-	-	2998.56	2785.24	4989.51	5289.39	4125.29	5517.79
85171300	SMARTPHONES	-	-	-	-	-	-	-	-
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	-	-	-	-	-	-	-	-
85171810	PUSH BUTTON TYPE	-	-	5.42	1.64	1.60	3.56	2.99	2.72
85171890	OTHER	-	-	30.16	47.56	47.99	49.03	54.39	37.17
85176100	BASE STATIONS	-	-	471.15	414.75	395.29	166.94	37.53	52.30
85176210	PLCC EQUIPMENT	-	-	4.85	4.86	5.09	10.68	12.94	10.63
85176220	VOICE FREQUENCY TELEGRAPHY	-	-	0.06	0.80	2.82	0.43	2.40	1.67
85176230	MODEMS (MODULATORS-DEMULATORS)	-	-	65.19	137.86	142.17	197.46	186.04	143.47
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	-	-	0.88	0.11	0.00	0.11	0.09	0.09
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	-	-	1.18	0.62	0.97	1.53	1.14	1.77
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	-	-	40.83	15.94	22.38	18.93	7.17	7.62
85176270	MULTIPLEXER, STATISTICAL MULTIPLEXER	-	-	86.92	23.19	64.83	43.75	15.63	11.79
85176290	OTHER	-	-	1442.66	1771.41	1171.94	949.04	948.80	1266.14
85176910	ISDN TERMINALS	-	-	1.15	0.43	1.78	2.76	4.64	1.63
85176920	ISDN TERMINAL ADAPTERS	-	-	0.59	0.89	0.36	1.06	0.30	0.20
85176930	ROUTERS	-	-	141.11	115.33	128.49	130.25	128.65	162.30
85176940	X25 PADS	-	-	0.14	0.45	0.00	0.04	0.04	0.04
85176950	SUBSCRIBER END EQUIPMENT	-	-	2.52	1.66	3.29	1.00	1.79	3.73
85176960	SET TOP BOXES FOR ACCESSING INTERNET	-	-	93.39	76.85	160.96	125.42	114.71	50.11
85176970	ATTACHMENTS FOR TELEPHONES	-	-	2.42	5.64	1.32	0.79	0.35	0.41
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	-	-	551.23	460.65	431.03	654.12	659.99	548.53
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	191.38	137.54	138.02	127.86	121.68	105.01
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	-	-	2069.73	1842.27	2960.50	2554.75	2783.28	2568.23
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	-	-	-	-	-	-	-	-
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	-	-	-	-	-	-
85177990	OTHER	-	-	-	-	-	-	-	-
85195000	TELEPHONE ANSWRNG MCHNS	-	-	0.00	0.01	0.00	0.02	0.02	0.01
85198100	TRANSCRIBING MACHINES	-	-	-	-	-	-	-	-
85235210	SIM CARDS	-	-	110.80	72.47	128.85	125.60	94.24	42.17
85255040	COMMUNICATION JAMMING EQUIPMENT	-	-	-	1.68	0.11	0.08	3.65	1.34
85256011	WALKIE TALKIE SET	-	-	11.47	11.30	14.19	9.82	12.25	8.99
85256012	MARINE RADIO COMMUNICATION EQPMNT	-	-	4.68	2.42	1.70	3.01	1.51	1.08
85256013	AMATEUR RADIO EQUIPMENT	-	-	0.19	0.00	0.03	0.02	0.00	0.11
85256019	CORDLESS HANDSET	-	-	548.94	100.72	52.71	43.16	18.75	3.47
85256091	VSAT TERMINALS	-	-	9.97	4.34	11.11	5.27	3.53	1.51
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	-	-	28.55	7.83	4.03	2.88	1.59	0.73
85256099	OTHERS	-	-	44.51	29.31	29.26	10.67	3.55	8.04
85279911	RADIO PAGERS	-	-	0.02	0.02	0.01	0.00	0.26	0.00
85291011	DISH ANTENNA FR COMMNCN JAMMING EQPTMNTS	0.74	0.85	1.83	1.06	0.80	0.35	6.19	0.09
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.03	0.15	0.00	0.00	0.01	0.43	0.00	0.06
85291019	DISH ANTENNA FR OTHR USE	52.98	78.83	147.56	57.53	76.98	67.32	64.11	17.88
85291021	OTHR ANTENNA FR COMMNCN JAMMING EQPTMNTS	0.63	0.35	0.85	0.29	0.02	0.03	0.01	0.10
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.71	0.00	0.01	0.00	0.00	0.10	-	0.05
85291029	OTHR ANTENNA FR OTHR USE	87.67	96.93	107.14	41.53	31.88	39.25	43.11	32.76
85291091	AERIAL PARTS FR COMMNCN JAMMING EQPTMNTS	0.16	0.03	1.42	0.04	3.91	0.05	0.03	0.00
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.02	0.01	0.00	0.05	0.00	0.24	-	-
85291099	AERIAL PARTS FR OTHR USE	44.30	59.34	35.14	8.95	17.26	7.85	15.57	4.84
85299010	OTHE PARTS FR COMMNCN JAMMING EQPTMNTS	30.64	5.70	14.68	5.56	0.72	1.31	2.24	1.91
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.07	0.16	0.32	0.13	0.06	0.12	0.11	0.11
85299090	OTHE PARTS FR OTHR USE	592.76	553.70	745.22	685.36	794.45	909.94	1042.18	970.72
85442010	CO-AXIAL CABLE	39.01	132.67	102.14	86.12	58.61	47.88	55.57	48.39
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	32.61	66.35	70.56	67.45	49.54	51.44	50.25	41.86
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	-	-	1.32	0.27	0.25	0.58	1.41	0.69
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	-	-	58.22	3.84	2.71	5.29	5.65	4.06
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	-	-	0.18	0.43	0.82	0.40	0.53	4.01
85444299	OTHR ELCTRCL CNDCTRS FITTED WTH CNCTRS USED IN TELECOM FR <	-	-	14.71	15.65	38.02	42.15	47.35	42.06
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	-	-	0.36	0.32	0.62	1.09	0.83	0.76
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	-	-	13.16	10.56	11.48	30.90	22.51	19.25
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	-	-	0.37	0.05	0.08	0.58	0.33	0.23
85444999	OTHR ELCTRCL CNDCTRS NOT FITTED WTH CNCTRS USED IN TELECOM	-	-	203.59	140.55	167.15	179.91	152.15	151.62
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	13.86	235.96	44.35	29.71	19.44	35.35	32.21	19.20
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	34.84	89.95	57.96	36.21	35.37	45.14	54.45	62.99

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward. Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:
i. HS Codes- 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HS Code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone has also been added in the list.
ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)
iii. 85198100 (transcribing machine) (Newly created)

Source: O/o Director (Policy), DoT

Table 9.6 - India's Imports By Telecom Equipment (including Mobile Phones) From 2006-07 To 2023-24 (US \$ in million)

Hs Code	Commodity	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
85171110	PUSH BUTTON TYPE	10.13	6.42	3.63	7.80	5.44	6.52	7.80	7.98	8.24	8.73
85171190	OTHERS	31.64	28.68	22.81	17.12	12.08	7.64	6.00	65.71	2.21	3.59
85171210	PUSH BUTTON TYPE	335.40	136.05	48.00	934.79	400.71	329.50	-	-	-	0.00
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	-	-	-	-	-	-	-	1078.14	-	0.00
85171219	MOBILE PHONES, PUSH BUTTON TYPE	-	-	-	-	-	-	-	5.29	-	0.00
85171290	OTHER	7612.85	5922.51	3739.95	2602.50	1220.88	701.62	72.98	416.64	-	1.06
85171300	SMARTPHONES	-	-	-	-	-	-	-	-	-	923.01
85171400	OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS	-	-	-	-	-	-	-	-	-	6.47
85171810	PUSH BUTTON TYPE	2.84	1.69	2.65	3.13	1.98	4.77	5.77	18.94	7.06	7.36
85171890	OTHER	33.60	32.07	21.59	27.75	23.48	11.71	8.15	58.67	8.36	6.60
85176100	BASE STATIONS	73.78	303.48	991.42	375.88	44.22	33.05	118.28	111.01	20.77	4.86
85176210	PLCC EQUIPMENT	7.03	6.14	11.22	7.75	5.45	7.89	5.06	2.82	3.69	6.26
85176220	VOICE FREQUENCY TELEGRAPHY	0.86	1.13	0.91	0.34	1.00	4.26	7.09	1.86	2.41	0.51
85176230	MODEMS (MODULATORS-DEMULATORS)	153.21	109.19	109.13	76.56	43.44	34.26	84.15	79.82	85.15	11.20
85176240	HGH BT RTE DIGTL SUBSCRIBR LN SYSTM(HDSL)	0.37	0.28	0.32	0.87	1.62	2.16	1.06	0.33	0.37	0.00
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	5.01	7.62	5.85	2.87	2.19	3.67	2.53	2.06	2.18	2.72
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	4.93	6.62	8.94	5.71	6.36	9.03	11.19	4.35	4.47	2.99
85176270	MULTIPLXER, STATISTICAL MULTIPLXER	6.96	13.96	13.21	14.44	9.11	9.63	18.15	10.85	8.32	4.23
85176290	OTHER	2268.58	2309.41	2387.86	4092.50	5353.32	3024.67	3533.70	3831.56	4624.62	3874.84
85176910	ISDN TERMINALS	6.04	14.62	16.97	4.74	2.07	1.42	1.52	1.61	1.43	1.28
85176920	ISDN TERMINAL ADAPTERS	0.22	0.24	0.10	0.32	0.27	0.64	0.71	0.43	0.39	0.25
85176930	ROUTERS	271.26	268.05	476.53	534.64	420.32	269.15	-	-	-	0.00
85176940	X25 PADS	0.00	0.00	-	0.00	0.00	0.01	0.00	-	0.00	0.01
85176950	SUBSCRIBER END EQUIPMENT	3.03	8.15	19.78	18.19	45.55	62.30	90.34	100.59	44.15	0.00
85176960	SET TOP BOXES FOR ACCESSING INTERNET	37.09	2.88	3.06	99.27	42.67	10.44	16.29	0.53	0.65	4.80
85176970	ATTACHMENTS FOR TELEPHONES	2.63	4.98	5.88	4.84	3.88	1.38	0.42	0.38	0.40	0.26
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	595.90	776.93	837.07	662.07	528.48	439.06	344.76	267.51	286.01	250.07
85177010	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	196.50	541.50	1180.94	4855.72	2128.06	693.49	537.50	533.18	-	0.00
85177090	OTHR PARTS OF TELEPHONC/TELEGRPHC APPARTS	2641.64	4496.78	6258.64	6707.40	6613.12	7176.15	6444.94	7401.40	-	0.00
85177100	AERIALS AND AERISL REFLECTORS OF ALL KINDS / PARTS	-	-	-	-	-	-	-	-	-	303.72
85177910	POPULATED, LOADED OR STUFFED PRINTED CIRCUIT BOARDS	-	-	-	-	-	-	-	-	972.97	1398.65
85177990	OTHER	-	-	-	-	-	-	-	-	8095.86	9583.90
85195000	TELEPHONE ANSWRNG MCHNS	0.01	-	0.03	0.02	0.01	0.01	0.01	0.00	-	0.00
85198100	TRANSCRIBING MACHINES	-	-	-	-	-	-	-	-	-	2.75
85235210	SIM CARDS	47.45	56.59	76.72	34.44	22.28	20.10	2.63	4.15	16.53	8.88
85255040	COMMUNICATION JAMMING EQUIPMENT	2.09	2.55	14.39	5.31	2.40	1.45	5.12	2.85	2.51	5.62
85256011	WALKIE TALKIE SET	13.90	17.90	22.36	24.71	23.44	13.85	-	-	-	0.00
85256012	MARINE RADIO COMMUNICATION EQPMNT	1.23	0.91	0.68	3.12	0.28	0.75	-	-	-	0.00
85256013	AMATEUR RADIO EQUIPMENT	-	0.29	0.00	0.00	0.00	0.00	-	-	-	0.00
85256019	CORDLESS HANDSET	28.08	6.34	1.82	1.58	4.82	8.39	-	-	-	0.00
85256091	VSAT TERMINALS	0.96	1.18	0.92	1.53	0.44	0.14	-	-	-	0.00
85256092	OTHER SATELLITE COMMUNICATION EQUIPMENT	2.26	2.08	0.41	1.95	12.76	1.55	-	-	-	0.00
85256099	OTHERS	5.80	4.10	12.59	8.59	2.85	2.96	-	-	-	0.00
85279911	RADIO PAGERS	-	-	0.00	-	0.00	0.00	-	-	-	0.00
85291011	DISH ANTENNA FR COMMNCN JAMMNG EQPTMNTS	0.05	0.26	0.08	0.11	0.06	0.02	0.37	0.04	0.02	0.04
85291012	DISH ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.26	0.15	0.00	0.15	0.09	0.04	0.00	0.00	0.00	0.09
85291019	DISH ANTENNA FR OTHR USE	46.80	51.50	38.87	32.28	21.54	20.88	12.98	7.88	28.77	6.77
85291021	OTHR ANTENNA FR COMMNCN JAMMNG EQPTMNTS	0.08	0.02	0.00	0.17	0.68	0.18	0.13	0.46	0.18	0.22
85291022	OTHR ANTENNA FR AMTR RADIO COMMNCN EQPTMNT	0.01	0.00	0.00	0.01	-	4.92	12.76	0.00	0.01	0.07
85291029	OTHR ANTENNA FR OTHR USE	77.69	46.24	20.77	26.35	30.29	43.36	49.33	47.85	92.65	100.30
85291091	AERIAL PARTS FR COMMNCN JAMMNG EQPTMNTS	0.00	0.02	0.04	0.02	0.02	0.02	0.06	0.04	0.08	0.01
85291092	AERIAL PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.00	0.02	0.11	0.01	0.06	0.46	6.93	1.07	0.26	0.74
85291099	AERIAL PARTS FR OTHR USE	6.83	7.14	8.30	8.32	17.10	19.83	51.67	63.30	25.59	26.89
85299010	OTHE PARTS FR COMMNCN JAMMNG EQPTMNTS	0.47	0.36	0.40	0.89	0.18	0.06	3.50	0.05	0.02	0.02
85299020	OTHE PARTS FR AMTR RADIO COMMNCN EQPTMNT	0.27	0.79	0.27	0.47	0.77	0.45	1.13	1.73	1.81	1.54
85299090	OTHE PARTS FR OTHR USE	1120.33	1119.37	1271.58	1354.02	1316.61	1309.26	2044.77	1567.74	1522.58	1201.64
85442010	CO-AXIAL CABLE	64.95	60.74	47.97	60.61	63.60	45.98	39.69	42.16	51.89	56.79
85442090	OTHR CO-AXL ELCTRCL CNDUCTORS EXCL CO-AXL CABLE	50.45	45.56	35.52	35.67	42.14	32.53	28.80	32.62	40.44	51.80
85444291	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	0.17	0.17	0.15	0.15	0.25	0.24	0.08	0.24	0.23	0.28
85444292	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	3.96	2.30	4.66	10.98	9.75	8.45	11.77	16.11	13.14	18.08
85444293	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	2.05	13.32	2.00	1.46	0.28	0.21	0.20	0.21	0.18	0.19
85444299	OTHR ELCTRCL CNDCTRS FITTED WTH CONNCTRS USED IN TELECOM FR <	60.12	70.44	95.77	148.28	178.02	175.93	169.65	199.37	250.61	244.57
85444991	PAPER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=10	0.71	1.58	0.84	0.48	0.42	0.68	0.51	0.76	1.22	2.36
85444992	PLASTIC INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=	18.19	20.29	25.68	22.30	18.88	15.88	18.07	22.43	25.22	22.18
85444993	RUBBER INSULATED CONDUCTORS USED IN TELECOM FOR VOLTAGE <=1	0.51	0.62	0.24	0.25	0.28	0.49	0.62	1.12	1.66	0.86
85444999	OTHR ELCTRCL CNDCTRS NOT FITTED WTH CONNCTRS USED IN TELECOM	196.99	207.40	199.55	253.37	251.07	216.52	191.37	280.18	295.45	303.54
85447090	OPTICAL FIBRE CABLES OTHER THN LEAD ALLOY SHEATHD CABLES	40.44	48.69	43.48	51.80	67.20	50.18	41.67	36.52	33.39	32.63
90011000	OPTCL FIBRS,OPTICAL FIBRE BUNDLES AND CABLES	45.25	40.36	38.15	51.41	181.37	56.36	48.20	78.50	165.58	65.27

Note: HSN Code 85171210 has been bifurcated into two new codes, i.e., 85171211 & 85171219 starting from 2020-21. Post 2019-20, HSN Code 85171210 has ceased to exist and 85171211 & 85171219 are being used from 2020-21 onward.
 Remark: Instead of 64 HSN codes, 68 HSN codes have been used, compared to earlier report, explained as under:
 i. HS Codes- 85171300, 85171400 pertaining to Smart Phones and other cellular telephones have been added to indicate a complete picture of import export. The mobile components are presently imported under 85177990 and this HS Code is monitored by DoT, therefore, corresponding finished product, i.e. Smartphone has also been added in the list.
 ii. 85177100 (aerial reflectors) (Newly Created out of earlier code 85177090)
 iii. 85198100 (transcribing machine) (Newly created)

Source: O/o Director (Policy), DoT

10 – Quality of Service

Table 10.1: QoS Summary of Performance of Service providers against prescribed parameters - Cellular Mobile Service

S.No.	Parameters	Benchmark	No. of PMRs where Service Providers are not meeting the benchmarks	
			For Quarter Ending March 2024	
			Out of 88 PMRs	
			Nos.	%age
I.	Network Related Parameters			
1	Network Availability			
(a)	BS Accumulated down-time (not available for service) (%age)	≤ 2%	0	0.00%
(b)	Worst affected BSs due to down-time (%age)	≤ 2%	0	0.00%
2	Connection Establishment (Accessibility)			
(a)	Call Set-up Success Rate and Session Establishment Success Rate for Circuit Switched Voice or VoLTE as applicable (within licensee's own network)	≥ 95%	0	0.00%
(b)	SDCCH/ Paging Channel Congestion/ RRC Congestion (%age)	≤ 1%	0	0.00%
(c)	TCH, RAB and E-RAB congestion (%age)	≤ 2%	0	0.00%
3	Connection Maintenance (Retain ability)			
(a)	Network QoS DCR Spatial Distribution Measure [Network_QSD (90,90)]	≤ 2%	0	0.00%
(b)	Network QoS DCR Temporal Distribution Measure [Network_QTD (97,90)]	≤ 3%	0	0.00%
(c)	Connections with good voice quality, Circuit Switched Voice Quality and VoLTE quality	≥ 95%	0	0.00%
(d)	Down Link (DL) Packet Drop Rate or DL-PDR	≤ 2%	0	0.00%
(e)	Up Link (UL) Packet Drop Rate or UL-PDR	≤ 2%	0	0.00%
4	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)	≤ 0.5%	0	0.00%
II.	Customer Service Quality Parameters			
5	Metering and billing credibility - post paid	≤ 0.1%	0	0.00%
6	Metering and billing credibility - pre paid	≤ 0.1%	0	0.00%
7 (a)	Resolution of billing/ charging/validity complaints	98% within 4 weeks	0	0.00%
	Resolution of billing/charging/validity complaints	100% within 6 weeks	0	0.00%
(b)	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	0	0.00%
8	Response time to the customer for assistance			
(a)	Accessibility of call centre/ customer care	≥ 95%	0	0.00%
(b)	Percentage of calls answered by the operators (voice to voice) within ninety seconds	≥ 95%	3	3.41%
9	Termination / Closure of service	≤7 days	0	0.00%
10	Time taken for refund of deposits after closures	100% within 60 days	0	0.00%

Source: Quarterly Performance Indicator Report, TRAI.

Table 10.2: Parameter wise Analysis of Non-compliance of Cellular Mobile Service Providers

Parameter	Benchmark	Service Provider	Service Area	Performance in in Parameters not met
Percentage of calls answered by the operators (voice to voice) within ninety seconds	≥ 95%	Airtel	Tamilnadu including Chennai	92.69%
		BSNL	Kerala	93.80%
			Tamilnadu including Chennai	90.47%

Source: Quarterly Performance Indicator Report, TRAI.

Table 10.3 - QoS Summary of Performance of service providers against identified parameters - Wireline Service

S.No.	Parameters	Benchmark	No of PMRs where Service Providers are not meeting the benchmarks	
			For Quarter Ending March 2024	
			Out of 109 PMRs	
			Nos.	%age
(i)	Fault incidences No. of faults per 100 subs/month)	≤ 7	0	0.00%
(ii)	% Fault repaired by next working day (for urban areas)	≥ 85%	1	0.92%
	% Fault repaired within 5 days (for urban areas)	100%	2	1.83%
(iii)	% Fault repaired by next working day (for rural and hilly areas)	≥ 75%	0	0.00%
	% Fault repaired within 7 days (for rural and hilly areas)	100%	0	0.00%
(iv)	'Mean time to Repair' (MTTR)	≤ 10 Hrs	1	0.92%
(v)	Point of Interconnection'(POI) Congestion (No. of Pols not meeting benchmark)	≤ 0.5%	0	0.00%
(vi)	Metering and billing credibility-post-paid	≤ 0.1%	0	0.00%
	Metering and billing credibility- pre-paid	≤ 0.1%	0	0.00%
(vii)	Resolution of billing/charging/Credit & validity complaints	98% within 4 weeks	0	0.00%
	Resolution of billing/charging Credit & validity complaints	100% within 6 weeks	0	0.00%
(viii)	Period of applying credit/waiver/adjustment to customer's	100% within 1 week of resolution of complaint	0	0.00%
(ix)	Accessibility of call centre/ customer care	≥ 95%	6	5.50%
	%age of calls answered by the operators (voice to voice) within ninety seconds	≥ 95%	8	7.34%
(x)	Termination / closure of service	≤ 7 days	1	0.92%
(xi)	Time taken for refund of deposits after closures	100% within 60 days	1	0.92%

NOTE: - Most of the SPs have not reported for the parameter "Metering and billing credibility - pre paid" due to not providing pre-paid service in Basic (Wire line) service.

Source: Quarterly Performance Indicator Report, TRAI.

Table 10.4: Parameter wise Analysis of Non-compliance of Wireline Service Providers

Parameters	Benchmarks	Service Provider	Service areas	Parameters not met
% of faults repaired by next working day - Urban	For urban areas by next working day: ≥85%	MTNL	Mumbai	38.20%
% of faults repaired within 5 days - Urban	For urban areas: 100%	MTNL	Delhi	99.85%
			Mumbai	57.10%
Mean Time to Repair (MTTR)	≤ 10 Hrs	MTNL	Mumbai	193.85%
Accessibility of call centre/ customer care	≥95%	BSNL	Bihar	92.74%
			Karnataka	89.92%
			Kerala	91.28%
			Kolkata	94.92%
			Odisha	91.29%
			Tamilnadu including Chennai	88.18%
Percentage of calls answered by the operators (voice to voice) within ninety seconds	≥95%	BSNL	Andhra Pradesh	94.01%
			Bihar	91.16%
			Karnataka	83.80%
			Kerala	86.88%
			Kolkata	93.41%
			North East	89.52%
			Odisha	88.82%
			Tamilnadu including Chennai	82.67%
Termination / Closure of service	≤ 7 Days	MTNL	Mumbai	99.36%
Time taken for refund of deposits after closures - within 60 days	100% within 60 days	MTNL	Mumbai	48.00%

Source: Quarterly Performance Indicator Report, TRAI.

Table 10.5 : Summary of Performance of Broadband Service Providers against identified parameters				
S. No.	Parameters	Benchmark	No. of PMRs where service providers are not meeting the benchmarks	
			For Quarter Ending March 2024	
			Out of 137	
			Nos.	%age
1	Service Provisioning/Activation Time	100% in =<15 working days		
1.2	%age of Connections Provided Within 15 Days of Registration of Demand	100%	0	0.00%
2	Faults Repair/Restoration Time			
2.2	% Of Faults Repaired By Next Working Day (>90%)	>90%	1	0.73%
2.3	% Of Faults Repaired Within 3 Working Day	=>99%	1	0.73%
3	Billing Performance			
3.3	%age Of Bills Disputed	<2%	0	0.00%
3.4	%age Of Billing Complaints Resolved Within 4 Weeks	100% within 4 weeks	0	0.00%
3.5	%age Of Cases to Whom Refund Of Deposits Is Made Within 60 Days Of Closures	100% within 60 days	1	0.73%
4	Response Time to the Customer for assistance			
4.2	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	0	0.00%
4.3	%age of calls answered by operator (Voice to voice) within 90	>80%	0	0.00%
5	Bandwidth utilisation/ throughput			
5.2	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	0	0	0.00%
5.4	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	0	0	0.00%
5.7	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	<90%	0	0.00%
5.8	Broadband Connection Speed available (download) from ISP node to user	>80%	0	0.00%
6	Service availability/uptime (for all users) in %age			
6.3	Service availability/uptime (for all users) in %age	>98%	0	0.00%
7	Packet loss (for wired broadband access) in %age			
		<1%	0	0.00%
8	Network latency (for wired broadband access)			
8.1	User reference point at POP/ISP Gateway node to IGSP/NIXI	<120 ms	0	0.00%
8.2	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	0	0.00%
8.3	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	0	0.00%

Source: Quarterly Performance Indicator Report, TRAI.

Table 10.6: Parameter-wise Analysis of non-compliance of QoS benchmarks for Broadband Service Providers

Sl. No.	Parameters	Benchmark	Service Provider	LSA	Performance	
2.2	Faults Repair/ Restoration Time	% of faults repaired by next working day (<90%)	>90%	Mahanagar Telephone Nigam Ltd.	All India	63.66
2.3		% of faults repaired within 3 working day	=>99%	Mahanagar Telephone Nigam Ltd.	All India	72.01
3.5	Billing Performance	%age of cases to whom refund of deposite is made within 60 days of closures	100% within 60 days	Mahanagar Telephone Nigam Ltd.	All India	72.66

Source: Quarterly Performance Indicator Report, TRAI.

11 – International Comparison

Table 11.1 - Fixed-telephone Subscriptions International Comparisons (2005-2023)

(In Million)

Year ending	World	Low-income	Lower-middle-income	Upper-middle-income	High-income	India	Africa	The Americas	Arab States	Asia & Pacific	CIS	Europe
2005	1243	N/A	N/A	N/A	N/A	50	10	291	30	559	52	285
2006	1261	N/A	N/A	N/A	N/A	41	11	284	31	577	56	286
2007	1254	N/A	N/A	N/A	N/A	39	11	278	33	579	58	278
2008	1249	N/A	N/A	N/A	N/A	38	12	287	35	567	59	275
2009	1254	N/A	N/A	N/A	N/A	37	13	277	34	571	60	282
2010	1229	N/A	N/A	N/A	N/A	35	12	274	35	553	60	278
2011	1202	N/A	N/A	N/A	N/A	33	12	269	35	537	59	272
2012	1179	N/A	N/A	N/A	N/A	31	11	266	35	528	58	265
2013	1142	N/A	N/A	N/A	N/A	29	10	259	33	504	56	262
2014	1095	N/A	N/A	N/A	N/A	27	10	252	30	476	55	257
2015	1046	8	109	420	501	26	10	249	30	439	51	251
2016	1008	9	107	392	493	24	11	245	32	412	48	246
2017	984	8	104	385	482	23	11	235	33	403	47	240
2018	955	8	103	372	467	22	9	227	35	391	45	233
2019	925	8	101	360	451	21	8	215	37	383	45	224
2020	903	8	101	348	442	20	7	208	39	371	43	221
2021	892	7	104	343	435	24	7	200	41	372	41	218
2022	878	7	108	338	421	27	6	192	42	372	40	211
2023	861	8	109	332	409	31	6	184	44	369	40	205

Source- ITU Website

Table 11.2 - Fixed-telephone Subscriptions per 100 Inhabitants International Comparisons (2005-2023)

Year ending	World	Low-income	Lower-middle-income	Upper-middle-income	High-income	India	Africa	The Americas	Arab States	Asia & Pacific	CIS	Europe
2005	19	N/A	N/A	N/A	N/A	4	2	33	9	15	23	44
2006	19	N/A	N/A	N/A	N/A	3	2	32	10	16	25	44
2007	19	N/A	N/A	N/A	N/A	3	2	31	10	15	25	43
2008	19	N/A	N/A	N/A	N/A	3	2	31	10	15	26	42
2009	18	N/A	N/A	N/A	N/A	3	2	30	10	15	26	43
2010	18	N/A	N/A	N/A	N/A	3	2	29	10	14	26	42
2011	17	N/A	N/A	N/A	N/A	3	1	28	10	14	26	41
2012	17	N/A	N/A	N/A	N/A	2	1	28	9	13	25	40
2013	16	N/A	N/A	N/A	N/A	2	1	27	9	13	24	39
2014	15	N/A	N/A	N/A	N/A	2	1	26	8	12	23	38
2015	14	1	4	16	41	2	1	26	7	11	22	37
2016	13	1	4	14	40	2	1	25	8	10	20	36
2017	13	1	4	14	39	2	1	24	8	10	20	35
2018	12	1	3	14	38	2	1	23	8	9	19	34
2019	12	1	3	13	36	2	1	21	8	9	18	33
2020	12	1	3	13	36	1	1	20	9	9	18	32
2021	11	1	3	12	35	2	1	20	9	9	17	32
2022	11	1	3	12	34	2	1	19	9	9	17	31
2023	11	1	3	12	33	2	1	18	9	8	16	30

Source- ITU Website

Table 11.3 - Mobile Cellular Subscriptions International Comparisons (In million) (2005-2023)

Year ending	World	Low-income	Lower-middle-income	Upper-middle-income	High-income	India	Africa	The Americas	Arab States	Asia & Pacific	CIS	Europe
2005	2205	N/A	N/A	N/A	N/A	90	87	459	84	833	135	581
2006	2745	N/A	N/A	N/A	N/A	166	129	553	125	1074	177	661
2007	3368	N/A	N/A	N/A	N/A	234	174	649	174	1398	209	735
2008	4030	N/A	N/A	N/A	N/A	347	246	741	213	1773	254	771
2009	4640	N/A	N/A	N/A	N/A	525	299	809	264	2164	297	771
2010	5290	N/A	N/A	N/A	N/A	752	366	881	312	2625	318	761
2011	5890	N/A	N/A	N/A	N/A	894	441	952	352	3029	300	783
2012	6261	N/A	N/A	N/A	N/A	865	510	995	382	3234	306	800
2013	6662	N/A	N/A	N/A	N/A	886	581	1043	408	3463	319	814
2014	6996	N/A	N/A	N/A	N/A	944	644	1093	415	3681	323	809
2015	7132	312	2435	2915	1440	1001	714	1052	419	3778	325	809
2016	7452	309	2613	3045	1458	1128	714	1056	417	4094	329	808
2017	7697	317	2698	3194	1464	1169	725	1044	417	4335	331	812
2018	7915	325	2816	3267	1487	1176	780	1049	417	4497	329	809
2019	8214	346	2932	3407	1511	1151	835	1048	428	4705	351	814
2020	8268	371	2988	3380	1513	1154	895	1045	433	4703	347	811
2021	8489	408	3043	3476	1545	1154	944	1098	454	4774	357	827
2022	8617	440	3090	3485	1584	1143	1021	1114	472	4788	353	834
2023	8891	472	3197	3587	1617	1159	1080	1140	488	4939	364	843

Source- ITU Website

Table 11.4 - Mobile-Cellular Subscriptions per 100 Inhabitants International Comparisons (2005-2023)

Year ending	World	Low-income	Lower-middle-income	Upper-middle-income	High-income	India	Africa	The Americas	Arab States	Asia & Pacific	CIS	Europe
2005	34	N/A	N/A	N/A	N/A	8	12	52	27	23	59	89
2006	42	N/A	N/A	N/A	N/A	14	18	62	39	29	77	101
2007	51	N/A	N/A	N/A	N/A	20	24	72	53	37	91	112
2008	60	N/A	N/A	N/A	N/A	29	32	81	63	47	110	117
2009	68	N/A	N/A	N/A	N/A	43	38	87	77	56	129	117
2010	77	N/A	N/A	N/A	N/A	60	44	94	88	67	137	115
2011	84	N/A	N/A	N/A	N/A	71	52	101	96	77	129	118
2012	89	N/A	N/A	N/A	N/A	68	58	104	102	81	130	120
2013	93	N/A	N/A	N/A	N/A	68	65	108	107	86	135	122
2014	97	N/A	N/A	N/A	N/A	72	70	112	106	90	136	121
2015	96	54	84	108	119	75	75	108	103	91	137	120
2016	99	52	89	112	119	84	73	107	100	98	138	119
2017	101	52	90	117	119	86	72	105	98	103	138	120
2018	103	52	93	119	121	86	76	104	96	106	137	119
2019	106	53	95	123	122	83	79	103	97	110	145	119
2020	106	56	96	122	122	82	83	102	96	109	143	119
2021	107	60	97	125	124	82	85	107	99	110	146	121
2022	108	63	97	125	127	80	90	108	102	110	145	121
2023	111	65	99	128	129	81	92	110	103	112	149	123

Source- ITU Website

Table 11.5 - Fixed Broadband Subscriptions International Comparisons (2005-2023)

Year ending	(In Million)											
	World	Low-income	Lower-middle-income	Upper-middle-income	High-income	India	Africa	The Americas	Arab States	Asia & Pacific	CIS	Europe
2005	220	N/A	N/A	N/A	N/A	1	0	66	1	80	2	66
2006	284	N/A	N/A	N/A	N/A	2	1	81	2	104	3	90
2007	346	N/A	N/A	N/A	N/A	3	1	98	3	122	5	113
2008	411	N/A	N/A	N/A	N/A	5	1	112	4	151	10	128
2009	468	N/A	N/A	N/A	N/A	8	1	120	6	183	15	140
2010	526	N/A	N/A	N/A	N/A	11	1	134	7	214	19	151
2011	598	N/A	N/A	N/A	N/A	13	2	146	9	253	23	161
2012	649	N/A	N/A	N/A	N/A	15	2	155	11	280	27	167
2013	692	N/A	N/A	N/A	N/A	15	3	164	12	299	31	175
2014	731	N/A	N/A	N/A	N/A	16	4	171	14	318	34	182
2015	841	2	60	401	376	17	4	182	19	404	36	190
2016	918	2	70	454	389	19	4	190	21	461	38	198
2017	1027	2	77	542	403	18	4	198	29	540	43	206
2018	1071	2	85	568	413	18	5	207	32	564	45	213
2019	1141	3	93	619	424	19	5	216	33	615	45	220
2020	1229	3	110	671	442	23	6	233	39	665	48	230
2021	1328	3	128	738	457	28	7	249	44	732	51	237
2022	1419	3	139	804	470	34	8	257	49	801	54	243
2023	1496	4	155	850	485	39	9	269	55	848	57	250

Source- ITU Website

Table 11.6 - Fixed Broadband Subscriptions per 100 Inhabitants International Comparisons (2005-2023)

Year ending	World	Low-income	Lower-middle-income	Upper-middle-income	High-income	India	Africa	The Americas	Arab States	Asia & Pacific	CIS	Europe
2005	3	N/A	N/A	N/A	N/A	0	0	8	0	2	1	10
2006	4	N/A	N/A	N/A	N/A	0	0	9	1	3	1	14
2007	5	N/A	N/A	N/A	N/A	0	0	11	1	3	2	17
2008	6	N/A	N/A	N/A	N/A	0	0	12	1	4	5	20
2009	7	N/A	N/A	N/A	N/A	1	0	13	2	5	7	21
2010	8	N/A	N/A	N/A	N/A	1	0	14	2	6	8	23
2011	9	N/A	N/A	N/A	N/A	1	0	15	2	6	10	24
2012	9	N/A	N/A	N/A	N/A	1	0	16	3	7	12	25
2013	10	N/A	N/A	N/A	N/A	1	0	17	3	7	13	26
2014	10	N/A	N/A	N/A	N/A	1	0	18	4	8	14	27
2015	11	0	2	15	31	1	0	19	5	10	15	28
2016	12	0	2	17	32	1	0	19	5	11	16	29
2017	14	0	3	20	33	1	0	20	7	13	18	30
2018	14	0	3	21	34	1	0	21	7	13	19	31
2019	15	0	3	22	34	1	1	21	8	14	19	32
2020	16	0	4	24	36	2	1	23	9	15	20	34
2021	17	1	4	26	37	2	1	24	10	17	21	35
2022	18	1	4	29	38	2	1	25	11	18	22	35
2023	19	1	5	30	39	3	1	26	12	19	23	36

Source- ITU Website

Table 11.7 - Active Mobile Broadband Subscriptions International Comparisons (2005-2023)

(In Million)

Year ending	World	Low-income	Lower-middle-income	Upper-middle-income	High-income	India	Africa	The Americas	Arab States	Asia & Pacific	CIS	Europe
2005	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A
2006	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A
2007	268	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A
2008	422	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A
2009	615	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A
2010	807	N/A	N/A	N/A	N/A	0	14	238	28	286	60	190
2011	1184	N/A	N/A	N/A	N/A	12	23	342	49	431	85	252
2012	1550	N/A	N/A	N/A	N/A	22	51	441	64	583	97	308
2013	1959	N/A	N/A	N/A	N/A	40	94	536	99	752	115	356
2014	2660	N/A	N/A	N/A	N/A	70	121	661	134	1192	128	428
2015	3306	68	517	1535	1174	120	180	771	168	1554	143	470
2016	3888	78	756	1771	1268	217	213	842	184	1932	155	539
2017	4745	104	1020	2192	1413	345	252	894	222	2588	174	587
2018	5269	92	1297	2354	1510	507	289	924	249	2963	187	629
2019	5757	130	1553	2471	1589	643	357	990	269	3226	214	670
2020	6119	157	1752	2549	1649	725	417	1033	288	3427	227	697
2021	6507	181	1846	2741	1726	766	441	1111	309	3647	244	724
2022	6808	213	1961	2839	1782	799	512	1150	332	3798	253	731
2023	7030	240	2038	2885	1853	865	562	1207	357	3853	260	757

Source- ITU Website

Table 11.8 - Active Mobile Broadband Subscriptions per 100 Inhabitants International Comparisons (2005-2023)

Year ending	World	Low-income	Lower-middle-income	Upper-middle-income	High-income	India	Africa	The Americas	Arab States	Asia & Pacific	CIS	Europe
2005	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A
2006	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A
2007	4	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A
2008	6	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A
2009	9	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A
2010	12	N/A	N/A	N/A	N/A	0	2	25	8	7	26	29
2011	17	N/A	N/A	N/A	N/A	1	3	36	13	11	36	38
2012	22	N/A	N/A	N/A	N/A	2	6	46	17	15	42	46
2013	27	N/A	N/A	N/A	N/A	3	11	56	26	19	49	53
2014	37	N/A	N/A	N/A	N/A	5	13	68	34	29	54	64
2015	45	12	18	57	97	9	19	79	41	38	60	70
2016	52	13	26	65	104	16	22	85	44	46	65	80
2017	63	17	34	80	115	25	25	90	52	61	73	86
2018	69	15	43	86	123	37	28	92	57	70	78	92
2019	74	20	51	89	128	46	34	98	61	75	89	98
2020	78	24	56	92	133	52	38	101	64	79	93	102
2021	82	26	59	98	139	54	40	108	68	84	100	106
2022	85	30	61	101	143	56	45	111	71	87	103	106
2023	87	33	63	103	148	60	48	116	75	88	106	110

Source- ITU Website

Table 11.9 - Fixed Telephone Subscriptions

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Afghanistan	110000	114192	118769	127794	134636	145787	0		181963
Albania	226718	248640	246720	248631	242859	223469	197690	177152	173135
Algeria	3267592	3404709	4100982	4200919	4635217	4784306	5097059	5576190	6324380
American Samoa	10000						0		
Andorra	38850	38694	38411	39375	39657		0	50871	51690
Angola	284925	304493	161070	171858	124726	119164	119826	93968	86651
Anguilla	6000						0		
Antigua and Barbuda	20000	22504	24000				0		
Argentina	10073125	10164849	9744368	9764014	7737345	7356165	6903068	7615490	7034210
Armenia	551366	531624	501013	477932	451571	427539	418122	365649	331021
Aruba	35000						0		
Ascension	589	576	1000				0		
Australia	8500000	8480000	8460000	8200000	7820000	6200000	4600000	6409280	6458000
Austria	3609900	3567200	3762801	3772429	3753076	3786725	3808709	3544260	3603820
Azerbaijan	1796027	1700233	1688325	1681407	1673211	1652688	1644300	1641150	1635250
Bahamas	120925	121088	113852	113455	91129		0	86484	96729
Bahrain	280115	279864	299815	274733	274541	266659	266741	253431	246000
Bangladesh	864263	766183	707568	1449646	1449646	1450321	587482	274295	301809
Barbados	149532	139715	120471	128043	138312		120980	121314	
Belarus	4540676	4515382	4499821	4488821		4406585	4332754	4229820	4172630
Belgium	4488711	4371055	4281818	4106864	3930410	3634639	3293420	2952930	2667340
Belize	23603	22400	21084	20869	18500		0		
Benin	194666	124883	56787	48508	35917	32386	11493	1526	1427
Bermuda	12000	20351	21883				0		
Bhutan	21811	21081	21364	22015	21581	22987	19680	19566	18410
Bolivia (Plurinational State of)	881235	867346	851110	711961		598082	539481		
Bosnia and Herzegovina	772684	744991	759344	792535	790620	706135	689295	651069	613646
Botswana	160490	142122	141207	142481	141077	139931	132457	91725	89785
Brazil	43677141	42003948	40375698	38311924	33700982	30653813	28883475	27257800	25574000
British Virgin Islands	11754	11167	9544	6222			0		
Brunei Darussalam	76002	74213	83794	82588	86590	103885	112298	122204	121819
Bulgaria	1654879	1478975	1289853	1120392	972255	872323	787637	691270	619365
Burkina Faso	75075	75727	76000	76760	75291	75039	81374		
Burundi	21774	19540	23409	24810	20936	18300	15976	14918	14363
Cabo Verde	63584	64724	64970	62680	57511	57668	53586	57020	60376
Cambodia	256387	227261	132911	88157	56445		40296	38284	
Cameroon	1050281	1051073	885762	902253	925978	883015	739572	929007	
Canada	15612271	15155520	14469000	13842000	13267000	13926000	12928000	11312000	10897000
Cayman Islands	33534	34116	34768				0		
Central African Rep.	1881	1964	2104	2193			0		
Chad	17029	13332	8664	9036	6524	5340	0	5250	
Chile	3445880	3375037	3200245	2997192	2750272	2567938	2510972	2216790	1977660
China	230996000	206624000	193757000	192085000	191033000	181908000	180700500	179414000	173326000
Colombia	7109254	7115984	6987654	6973573	7012306	7248026	7567395	7587690	7276990
Comoros	14599	13049	17212	10320	10042	7573	7431	7370	8823
Congo (Rep. of the)	17000	17000	17000						
Cook Islands		6502	6576				0		
Costa Rica	859514	838346	814910	774303	630843	559882	553455	491613	678432
Croatia	1476506	1435977	1401354	1355662	1333661	264073	1268941	1234920	1203270
Cuba	1295857	1322002	1349188	1444480	1508074	1300105	1539269	1573530	1588920
Curacao	62571	59231	61709	58805		1502230	0		
Cyprus	323707	320573	317241	311559	323914		304581	297382	269918
Czech Republic	1906594	1758590	1640094	1511942	1473000	311439	1294806	1214380	1197410
Côte d'Ivoire	277248	289108	305562	302398	271724	1316316	265513	263308	244387
Dem. People's Rep. of Korea	1180000	1180000	1180000				0		

Source: ITU Data Base - ITU Website

Contd.

Table 11.9 - Fixed Telephone Subscriptions (Contd.)

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Denmark	1696995	1557101	1235627	1131064	1004956	937469	706604	711500	755273
Djibouti	22902	24925	36582	36855		38866	27326	27931	28673
Dominica	20585	13328	12961	2660			0		
Dominican Rep.	1304968	1345091	1329852	1277247	1210018	1155493	1154670	1143890	1144210
Ecuador	2512657	2451623	2415204	2360581	2195840	2063044	1846666	1644240	1434440
Egypt	6235133	6118250	6604849	7865286	8760436	9858331	11030900	11600000	12474700
El Salvador	944266	941184	928433	923029			856090	862717	
Equatorial Guinea	11334	10989	11179	10848			0	11389	
Eritrea	66000	66086	66170				0		
Estonia	387607	370589	362117	345690	324388	304728	296620	265944	238455
Eswatini	43000	42000	41000				0	37746	41939
Ethiopia	890642	1147000	1181000				0	862157	
Falkland (Malvinas) Is.	2000	2255	2000				0		
Faroe Islands	20083	19078	18021	17188		15341	0		
Fiji	72565	74182	75952	76522			0		
Finland	537200	457300	378000	323000	269000	225000	207000	186000	158000
France	38929000	39006000	38728000	38132000	37797000	37759000	0	37740000	37220000
French Polynesia	60693	60530	86631	90278			108051	138658	
Gabon	18758	18946	21235	21818		25428	31708	43395	
Gambia	45000	37969	32040	44000			0		
Georgia	950167	840431	713826	604348	517617	378498	337923	301117	277967
Germany	45350000	45300000	44400000	42500000	40400000	38300000	38600000	38580000	38800000
Ghana	275570	251490	301551	278379	288531	307668	315271	330016	319520
Gibraltar		17027	19753	17671	16968		17167	17155	
Greece	5260560	5200950	5176475	5078083	5001508	4743310	4913036	4907120	4961810
Greenland	16000		9267	8060	7133				
Grenada	27034	26776	32491	22542			0		
Guam	68000						0		
Guatemala	1718851	2454778	2461109	2436093	1974006	2272467	2319643		1940400
Guyana	154057	141595	135795				0		
Guinea-Bissau								1917670	
Haiti	5692	5692	5922	5922			0		
Honduras	497072	442929	491107	532004	490103	531763	465521	413936	443823
Hong Kong, China	4331725	4318346	4249372	4196061	4053512	3934129	3856180	3673290	3486660
Hungary	3094228	3119735	3131598	3079730	3048754	2970347	2955979	2845380	2693220
Iceland	168149	164566	146213	136713	125567	107032	100482	93048	82491
India	25520000	24404000	23234687	21868192	21004534	20052162	23773751	27450000	30933200
Indonesia	10378037	10752912	11053303	8303511	9477137	9186370	8998814	8423990	9160120
Iran (Islamic Republic of)	30418973	30869311	31069938	30481734	28954855	29093587	29306782	29342100	29019900
Iraq	1997000	2031000	3237858	2705028		4166461	3048736	2392420	1977360
Ireland	1932059	1917742	1872309	1829166	1767476	1678651	1595061	1497860	1176010
Israel	3412000	3340223	3240000	3200000	3040000	3080000	3500000	3574000	2905000
Italy	20209324	20267173	20700659	20396603	19621081	19430559	19994902	19982400	20106800
Jamaica	252849	310213	297027	363820	398048	436249	473617	446831	458723
Japan	63705579	64130388	64066893	63525713		62252837	61583600	60720900	59757500
Jordan	368938	404112	357203	369145	356046	391486	427517	465603	450761
Kazakhstan	4147800	3931100	3686600	3350900	3210500	3108400	2997400	2887900	2573560
Kenya	85496	72801	69861	65644	70394	66646	61096	63107	67840
Kiribati	1477	871	765	0	20	33	10	0	26
Korea (Rep. of)	28882783	28035600	26844692	25906849	24727415	23858239	23213189	22809800	22155000
Kuwait	480000	533234	542082	515542		583463		572511	572621
Kyrgyzstan	408037	382149	362288	331140	298855		0		185463
Lao P.D.R.	962497	1266605	1125469	1482276	1490831		1300195		
Latvia	356000	362940	342296	266214	227616	211849	191798	173993	141635
Lebanon	1012849	1816262	907881	893529	882175	875480	0		

Source: ITU Data Base - ITU Website

Contd.

Table 11.9 - Fixed Telephone Subscriptions (Contd.)

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Lesotho	40570	41158	10637	8328		11574	9559	6744	7342
Liberia	9000	8000					0		
Libya	1063265	1374408	1576000				0	1218180	
Liechtenstein	17336	16385	15342	15243	14032	12723	11712	10980	10274
Lithuania	561919	530871	486895	427066	368213	322108	290711	249573	223500
Luxembourg	276900	276400	275300	273530	267400	268090	0	261054	
Macao, China	146138	142000	138000	123469			0	92382	87038
Madagascar	148635	148585	68792	69046			26271	25761	3413
Malawi	14462	11234	17337	14992	13101	12465	12465	9456	4808
Malaysia	4489500	4837200	6580800	6433300	6474400	7467900	8247100	8452900	8401800
Maldives	21911	21137	20378	18754	16664	14508	14005	13376	12860
Mali	169006	200812	214893	228097		281638	301055	306900	
Malta	230226	234368	240280	255437	257010	259456	259439	259120	259180
Mauritania	51294	53191	57057	59959	61858	62099	58094	47503	463800
Mauritius	380000	389500	413100	434300		478700	469100	462100	
Mayotte	10000						0		
Mexico	20170913	20820073	20752662	21645824	22519654	23800105	24366595	27184700	25636700
Micronesia	6808	6883	6947				0		
Moldova	1202466	1171287	1143852	1108200	1071514	1027689	1000228	951138	847414
Monaco	49085	46575	47013	43374	44119	43706	42812	44649	43251
Mongolia	255634	225287	292594	369853	395922	160153	399237	475290	524075
Montenegro	154448	148015	152155	172880	188175	191768	189519	190595	190344
Montserrat	3000						0		
Morocco	2222370	2070173	2046390	2199140	2054545	2357286	2460155	2645110	2874000
Mozambique	89292	82421	80545	63006			59682	29080	
Myanmar	514920	514385	556112	520863			522141	535463	587710
Namibia	182507	187853	193045	154816	139698	141334	91869	85814	81114
Nepal (Republic of)	846940	858237	861299	799368			0		
Netherlands	6951528	6774000	6551000	5900000	5560000	4937000	5024000	4570000	4262000
New Caledonia	77719						0		
New Zealand	1850000	1760000	1790000	1760000			651000	757000	660000
Nicaragua	354017	366636	375856	325821	228782	210981	207577	215729	234323
Niger	110000	160848	114352				0		
Nigeria	187155	154513	139344	140491		107031	106385	96996	111971
Niue	1000						0		
North Macedonia	371003	368370	366529	382901	394728	408618	425646	436182	
Northern Marianas	22000						0		
Norway	944510	807163	686718	560945		348808	0	140033	
Oman	434932	422518	509756	560326	592196	594550	572166	563172	579270
Pakistan	3537600	3104415	2940243	2798606	2461916	2876794	2989133	2799360	2573430
Palau	7204						0		8000
Palestine	406500	432000	476239	469741		466283	485829	8000	
Panama	620436	652816	662588	728379	741269	616698	790486	457706	811350
Papua New Guinea	150000	154000	158000				0		
Paraguay	344853	350455	294280	302754			203971	811488	205511
Peru	2911495	3074464	3082036	2728617			2266025	168517	1504400
Philippines	3223787	3781962	4163282	4132490	4165209		5028018	1797710	4627110
Poland	9053648	8143145	7412432	6575246	6824896	5777428	5308497	4884610	4987020
Portugal	4682997	4787677	4831284	5073815	5128714	5212507	5318750	5277050	5504700
Puerto Rico	813106	813546	783739	703266	686901	711512	726739		758051
Qatar	459887	467148	461561	452088	461289	454701	460240	5437050	525562
Romania	4270000	4110000	3890000	3660000	3380000		2606000	739111	1960000
Russian Federation	35553328	32276615	31952072	30108289		3025000		523765	
Rwanda	16983	13403	12333	12960	11393		11893	2222000	8361
Réunion						11671	0		

Source: ITU Data Base - ITU Website

Contd.

Table 11.9 - Fixed Telephone Subscriptions (Contd.)

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Saint Kitts and Nevis	19748	17433	17293	16146			0		
Saint Lucia	34874	35545	35014	36469			0		
Saint Vincent and the Grenadines	24865	20550	20092	19219	12934	12483	11385	10327	10250
Samoa	11453	9679	8454				0		
San Marino	16550	16000	18000	16500	16000		16000	11016	
Sao Tome and Principe	6441	5733	5569	5299	4784	2720	2619	4567	1957
Saudi Arabia	3746906	4238774	4659836	5387405	5377978	5749058	6594631	16000	6788090
Senegal	300219	285933	290636	302243	207592		261440	2501	399041
Serbia	2770462	2684419	2609601	2574691	2565091	2572169	2540276	6773270	2484670
Seychelles	21341	20836	19652	20290	20122	18882	18768	297046	18444
Sierra Leone	17000	17000	17000	4352	3434	189	269		
Singapore	2016100	1998400	1991700	2001000	1905800	1891600	1887500	2538730	1912100
Slovakia	866630	823594	758842	722704	675297	616148	577390	19027	505449
Slovenia	753082	728686	739121	722802	707059	704909	695444	1906200	646917
Solomon Islands	7438	7405	7405	7430	7104		0		
Somalia	51000	48000		74800			91000	540558	
South Africa	4131055	4522850	4810074	3345440	2024730	2098802	1472191	675823	1353130
South Sudan								91000	0
Spain	19373709	19487737	19587220	19484361	19816880	19455779	19075931	1309590	18431400
Sri Lanka	3287676	2479802	2603178	2473875		2428957	2869186	18687000	1706640
St. Helena	2728	2758	3000				0		
State of Palestine									383653
Sudan	118954	136472	143280	136923	137842	129408	129408	2582150	
Suriname	91916	89030	89030	88098	92756	103240	119977	155802	128908
Sweden	3554665	3104305	2622159	2392386	1924972	1624271	1382146	108250	898000
Switzerland	4140000	3772545	3559361	3269952	3100000	2952000	2956500	2918500	3002850
Syrian Arab Republic	3539665	3464846	2726193	2740000	2843103	2892515	2821171		2816070
Taiwan, Province of China	13916334	13770996	13565064	13174334	12971902	12750429	12534991	12312800	10037600
Tajikistan	457000	468000	479000				0		
Tanzania	142819	129597	127094	124238	76288	72469	71834	84696	75732
Thailand	5309000	4706000	3466000	2929000	2614000	5003000	4634000	4368000	4087000
Timor-Leste	2720	2545	2381	2206	2075	2012	1876	1840	1785
Togo	52690	33817	36111	37691	43605	46499	0	65613	66516
Tonga	13220	11000	14697	14697	6637		10824		
Trinidad and Tobago	270872	272187	257445	319401	343385	323905	341434	326483	310689
Tunisia	943642	974129	1113168	1302015	1454183	1533273	1659093	1789510	1863140
Türkiye	11493057	11077559	11308444	11633461	11532903	12448604	12310016	11198000	9925530
Turkmenistan	648000	665000	682000				0		
Turks & Caicos Is.	4000						0		
Tuvalu	2000	2000	2000				0		
Uganda	328811	368243	262286	186902		90774	105086	116660	115529
Ukraine	9113061	8451229	7186579	6074255	4182994	3314263	2282786	1739320	1434270
United Arab Emirates	2258646	2285809	2320837	2341392	2362602	2380866	2242982	2286100	2258510
United Kingdom	33211498	32633398	32148366	31919894		32078000	32192000	29798000	26627000
United States	124848000	121343000	116297000	110439000	107281000	103052000	97113000	91623000	87987000
Uruguay	1106431	1113566	1136977	1153533	1165373		1235626	1258560	1204880
Uzbekistan	2816611	3412921	3444330	3460258	3553310	3550069	3470097	5685850	6147120
Vanuatu	4797	4555	4511	4154	3809	3472	3644	3437	
Venezuela	7780096	7660417	5928714	5547291	5467044	5276274	3391077	3146840	
Viet Nam	7324947	5598017	4385427	4296301	3658005	3205775	3122490	2390670	2316280
Virgin Islands (US)	76000						0		
Yemen	1142227	1165828	1190000				0		
Zambia	116165	101407	101444	100444	96719	71844	65913	96284	81264
Zimbabwe	333702	305720	264150	268849	265734	252067	243421	291324	309645

Source: ITU Data Base - ITU Website

Table 11.10 - Mobile-cellular telephone subscriptions; by postpaid/prepaid

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Afghanistan	19709038	21602982	23929713	21976355	22580071	22678024	0		23027100
Albania	3400955	3369756	3625699	2714878	2630076	2618880	2635466	2782230	2614760
Algeria	43227643	47041321	45845665	47154264	47081131	45555673	47028685	49018800	51522100
Andorra	71336	76132	80337	82614	87909		0	113521	126214
Angola	13884532	13001124	13323952	13288421	14830154	14645050	15327864	23977500	25744000
Anguilla	26000						0		
Antigua and Barbuda	176000	180000	184000				0		
Argentina	61842011	63719805	61897379	58598041	58606442	54763900	59065827	60236500	62709200
Armenia	3464490	3434567	3488524	3579257	3618747	3488797	3599278	3760700	3959450
Aruba	141000						0		
Ascension	298	519	1000				0		
Australia	25770000	26551000	26660000	27640000	27880000	27454000	27090000	28018000	29146000
Austria	13470623	11079460	10859000	10984000	10726000	10682294	10882217	11034600	11116000
Azerbaijan	10697132	10189000	10127000	10339700	10750300	10344300	10817071	11068100	10998200
Bahamas	311175	360200	353540	388707	425507		0	403993	399630
Bahrain	2519055	2994865	2364477	2092714	1900361	1748672	1923443	2141260	2415720
Bangladesh	131375724	135981846	150945000	161771617	165572000	170136762	181021227	180198000	190815000
Barbados	334792	332208	329565	329326	311734		316633	323482	
Belarus	11448281	11439866	11415141	11619651		11704084	11760087	11770600	11757300
Belgium	12774090	12550821	11357286	11447351	11509573	11529728	11740118	11874000	12098200
Belize	211946	222928	239441	246311	254919		0		
Benin	9317955	8892490	8773044	9461872	10349847	11140891	12731782	14550000	16373900
Bermuda	38000	63891	64997				0		
Bhutan	675747	698373	730623	703554	729239	745137	778008	742493	751989
Bolivia (Plurinational State of)	10162829	10106216	10963224	11445830		11804343	12033941		
Bosnia and Herzegovina	3443520	3404043	3440085	3461058	3694050	3509674	3728775	3811930	3874280
Botswana	3475327	3288986	3240589	3381228	4004089	3819019	4160553	4348010	4440310
Brazil	257814274	244067356	218244270	207046813		205834781	219660524	212926000	213295000
British Virgin Islands	57195	39689	44043	39954		35163	0		
Brunei Darussalam	463384	523453	544732	565949	557398	526732	603486	528723	540706
Bulgaria	9194633	8973869	8532908	8387160	8134581	7945739	7902756	7964360	8014470
Burkina Faso	14446897	15404040	17946375	19339109	20364508	22117218	24678315		
Burundi	4997696	5357816	5920612	6317965	6643411	6631154	7740494	7470970	8646690
Cabo Verde	611468	601956	612259	610328	595681	544729	590171	588593	590354
Cambodia	20850543	19915503	18572973	19417123	21418681		19899790	19505300	26203700
Cameroon	18160667	18717503	20135388	18455836	21155316	25245134	22442414	23107000	36542000
Canada	29765000	30752000	31693000	33211000	34615000	36093021	32723000	35082100	
Cayman Islands	93244	95656	96656				0		
Central African Rep.	1242494	1248346	1175389	1279261	1530385		0		
Chad	5465797	5585709	6368600	6984130	7664839	8687151	0	12086600	
Chile	23206353	23302603	23013147	25178981	25051668	25068249	26571823	26415100	26710700
China	1291984200	1364934000	1469882500	1649301700	1725695000	1696356000	1732661400	1780610000	1807440000
Colombia	57327470	58684924	62220014	64513977	66283175	67672570	75056111	80812200	87365900
Comoros	424786	454389	468914	498903	575218	472815	853449	838768	934198
Congo (Rep. of the)	5216000	5424000	5056000	5000000			5558658		5865800
Cook Islands		13852	14539				0		
Costa Rica	7535599	8330664	8840342	8495585	8171211	7512370	7834435	7876160	7443280
Croatia	4415660	4414347	4315580	4388476	4404652	40095246	4402213	4480470	4562730
Cuba	3335346	3987900	4613782	5373316	6042629	4375699	7103296	7600090	7667310
Curacao	190489	186644	187184	186390		6661763	0		
Cyprus	1111123	1133780	1176801	1200378	1243151		1320794	1392480	1433500
Czech Republic	12454575.01	12485045	12636359	12704262	13205000	1230706	13129905	13475300	13620500
Côte d'Ivoire	25407610	27451250	31747233	33807850	37376603	12999353	44561505	49006400	53601500
Dem. People's Rep. of Korea	3240000	3606000	3810000				0		
Dem. Rep. of the Congo	37752782	28889317	35375246	36470600	37123208	40798396	0	49844100	56268400

Source: ITU Data Base - ITU Website

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Table 11.10 - Mobile-cellular telephone subscriptions; by postpaid/prepaid (Contd.)

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Denmark	7079249	6985035	7140859	7216215	7243465	7144123	7287875	7443960	7502260
Djibouti	314350	345246	373052	395037		434035	489339	519258	573620
Dominica	77254	78444	75230	75771			0		
Dominican Rep.	8797247	8708131	8769127	8937647	8948107	8989587	9735351	10149900	10409800
Ecuador	12943791	13882280	14651404	15772838	15853100	15485366	16789600	17490800	18165600
Egypt	94016152	97791441	102958194	93784497	95340262	95357427	103449734	103450000	106319000
El Salvador	9334132	9637259	9478044	9433495			11071073	11508600	
Equatorial Guinea	533336	575650	566113	591223			0	893441	
Eritrea	475000	506000	695000				0		
Estonia	1903545	1897921	1904425	1924034	1951051	1925789	1980838	2055790	2053470
Eswatini	941000	995000	1052000				0	1468080	1519540
Ethiopia	42311629	51224000	39600000				0	69123000	
Falkland (Malvinas) Is.	4400	4674	5000				0		
Faroe Islands	53213	54487	56619	56792		59003	0		
Fiji	965950	1044685	1033915				0		
Finland	7396200	7220100	7160000	7150000	7150000	7120000	7150000	7130000	7140000
France	66681000	67571000	69018000	70422000	72043000	72751000	0	76807000	77434000
French Polynesia	268334	280111	287839	302673			322918	327667	
Gabon	2821555	2962486	2663243	2930554		3088742	3144609	2995490	
Gambia	2715672	2838127	2966000	3181393		2677954	0		
Georgia	5550730	5531875	5502395	5459239	5384462	5100101	5163558	5844480	5911130
Germany	96360000	103470000	109700000	107500000	107200000	107500000	106400000	104400000	105400000
Ghana	35008387	38305078	36751761	40934875	40857077	40461609	40454073	40045300	33384500
Gibraltar	41441	41136	41035	41045	40537			36708	
Greece	12566649	12538927	12937106	12170757	11882081	11412995	11494008	11326200	11348300
Greenland	61000		62232	62537	64878		66605		
Grenada	119767	118973	113177	116184			0		
Guatemala	18121390	18264520	19986482	20467520	20874130	20390671	22124839	20553000	20609600
Guinea	10764000	11110000	11700000	12013000	12873000		0		
Guinea-Bissau	1238493	1285835	1434822	1480491	1590381	1913858	2236511	2651590	2758650
Guyana	542598	584659	643210				0		
Haiti	7300000	6504010	6305862	6399044			0		
Honduras	8048388	7832802	8233499	7588554	7089691	6960654	7560710	7937390	7921350
Hong Kong, China	16724440	17584969	18394762	19898785	21455736	21865215	23939650	21860800	23779100
Hungary	9900582	9952001	9945037	10041939	10272694	10332660	10248653	10371600	10176100
Iceland	383919	401613	401231	411361	413446	421384	437270	456864	478176
India	1001056000	1127809000	1168902277	1176021869	1151480361	1153709832	1154046584	1142930000	1158550000
Indonesia	338948340	385573398	435193605	319434605	345025155	355748606	365872608	316553000	352157000
Iran (Islamic Republic of)	74218815	80520249	87046953	88722442	118061419	127624951	135889424	145668000	150664000
Iraq	33559000	33447000	33415690	36527353		36946600	37649112	43688200	45700000
Ireland	4902009	4875116	4898872	4971493	5145256	5234027	5373865	5690020	5757780
Israel	10570000	10570000	10540000	10700000	10800000	11400000	12500000	13758300	
Italy	87691238	85955905	83871543	83342486	80580548	77796840	78114933	78502900	78462900
Jamaica	3137213	3267344	3091222	2964974	3023873	2873259	2905408	3002740	3268370
Japan	160559734	166852753	172789990	179872794		192284308	200478808	207648000	218796000
Jordan	13797968	9818446	9703287	8731760	7778770	6987891	7275563	7625640	7726690
Kazakhstan	26309300	25534800	26693300	26065600	25709000	25177000	24323000	25299000	25842600
Kenya	37715944	38982188	42815109	49501430	54555497	61408904	65085720	65737200	66745700
Kiribati	41000	52000	46123	53338	54658	54661	54527	64076	70296
Korea (Rep. of)	58935081	61295538	63658688	66355778	68892541	70513676	72855492	76992100	83891800
Kuwait	7664743	7659365	7138833	7099848	7327028	6770346	6918180	7726450	8113880
Kyrgyzstan	7579439	7613528	8467966	8735246	8622565		0		7681220
Lao P.D.R.	3727162	3958510	3711813	3662336	4362183		4822973		
Latvia	2590000	2650273	2464122	2070180	2071814	2051359	2161725	2167030	2257180
Lebanon	4657651	4277043	4399085	4424185	4237962	4288221	0		

Source: ITU Data Base - ITU Website

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Table 11.10 - Mobile-cellular telephone subscriptions; by postpaid/prepaid (Contd.)

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Lesotho	2140141	2282917	2380804			1562648	1821374	1556840	1603040
Liberia	3652000	3117002	2660000				0		
Libya	9747080	7660068	6020000				0	13940000	
Liechtenstein	40950	44298	46402	47272	48307	48904	49264	49662	50356
Lithuania	4184053	4204692	4361329	4590441	4658823	4742427	3726653	3826340	3915930
Luxembourg	806800	764000	794000	798600	835900	890000	0		960900
Macao, China	1896097	1969972	2047000	2181194			0	1213220	1374130
Madagascar	10693765	7998253	8730499	10654710			16279633	20782900	25400000
Malawi	6566707	7178384	7772503	7076906	8901027	10004680	11940135	12269200	12892000
Malaysia	44104000	43464500	42338500	42413400	44601400	43723600	47201700	47952100	50136500
Maldives	739790	812128	900120	857934	828042	717708	706043	715188	744814
Mali	22698915	20217697	22034110	21955565		25315598	21882251	25869000	
Malta	524161	585470	604759	615843	634768	633123	644955	701762	749302
Marshall Islands	15500		16000				0		
Mauritania	3644483	3614172	4074157	4566502	4710800	4932571	6512361	5357540	
Mauritius	1762300	1814000	1839500	1918000		1912900	1971300	2096800	2104700
Mexico	107688282	111730635	114329353	120173510	121366834	120481969	123920752	127872000	139613000
Micronesia	22505	23412	23114				0		
Moldova	3713137	3788490	3746644	3636931	3613846	3420383	3900179	38955	4010870
Monaco	34020	33297	32978	32689	33783	35485	36255	4835520	40538
Mongolia	3068156	3367573	3886167	4222041	4418919	4363919	4687304	1274030	4841940
Montenegro	1007890	1040747	1044674	1134412	1150998	1080089	1120074	52958700	1312960
Montserrat	5000						0		
Morocco	43079696	41513933	43916066	44737885	46666722	49421023	52012000	52958700	55873000
Mozambique	20134932	15025598	11875506	14074248			13686234	13870800	
Myanmar	40993717	50586416	47946665	61143964			67930093	57807400	65516900
Namibia	2549817	2659951	2680196	2759293	2822943	2594382	2915307	2905780	2597930
Nauru	9400	9900	10000				0		
Nepal (Republic of)	27516055	32120305	36096396	39178451			0		
Netherlands	20809054	20890000	20532000	21108000	21762000	21415000	21888000	20737000	21232000
New Caledonia	260277						0		
New Zealand	5600000	6100000	6400000	6400000			5846000	5947000	6562000
Nicaragua	7264151	7745512	8179876	7441527	5788432	5976479	6233864		7222330
Niger	8959000	7471802	8778884				0		
Nigeria	150830089	154342168	144920170	172730603		204228678	195128265	222225000	224413000
North Macedonia	2083583	2050494	2008008	1969109	2055339	1833689	1941352	2048240	1920400
Norway	5714890	5729569	5719665	5720892		5825584	0	6014640	
Oman	6646655	6866260	6943910	6440889	6383458	6276535	6115537	6749540	6984830
Pakistan	125899638	136489014	144525637	153986607	165405847	175624364	188711452	192780000	189439000
Palau	23743						0	24000	24000
Palestine	3531000	3713190	3996206	4375502		4267767	4052966	4387760	
Panama	5741929	5141768	5280195	5722370	5599005	5708163	6003255	6890900	6981820
Papua New Guinea	3560000	3782000	4018000				0		
Paraguay	7411986	7489474	7468275	7439692			7975074	8659350	8665060
Peru	34235810	36933161	38915386	42154771			43129394	41549500	41283200
Philippines	117838074	120096895	115824982	134592608	167322432		163345244	166454000	134739000
Poland	54537230	53001776	50458854	51098747	52268128	49350724	50588785	52589300	52386600
Portugal	11714693	11572085	11764106	11859548	11909751	11854999	12476165	12792300	12829900
Puerto Rico	3204993	3252176	3389402	3330286	3371969	3483570	3661176	3896160	4036760
Qatar	3740469	3652579	3988562	3945978	3917571	3798514	3876499	4692970	4701610
Romania	23120000	22900000	22400000	22634000	22671000		22929000	23219000	
Russian Federation	227288088	229126152	227299663	229431008	239795946	22592000	246569033	245267000	
Rwanda	8759619	8921533	8819217	9700609	9658548	238733217	10902989	11002100	12763100
Réunion						10614408	0		
Saint Kitts and Nevis	73009	76583	76878				0		55592

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Contd.

Table 11.10 - Mobile-cellular telephone subscriptions; by postpaid/prepaid (Contd.)

Country	2015 value	2016 value	2017 value	2018 value	2019 value	2020 value	2021-value	2022-value	2023-value
Saint Lucia	187741	176648	176694	184944			0		
Saint Vincent and the Grenadines	113371	112649	115844	105875	102700	97059	114892	104428	102976
Samoa	120517	151008	124211				0	134320	
San Marino	36624	36570	38000	38500	38750		40000	41000	
Sao Tome and Principe	184971	178047	173963	162610	165761	174203	189239	197318	152104
Saudi Arabia	52796066	47932521	40210965	41310584	41298629	43215439	45427321	48198000	52482900
Senegal	14959477	15186485	15758366	16559942	17880594	19078948	19859981	20854800	22400200
Serbia	9155664	9094447	8621771	8431365	8453887	8260758	8501519	8621150	8532020
Seychelles	148244	151857	167282	178946	193672	183498	184161	205140	165369
Sierra Leone	5657000	6279270	6625000	6355151	6729804	6884201	8227093		
Singapore	8233100	8460700	8381900	8568400	9076700	8427500	8660700	9350700	9651100
Slovakia	6675553	6989902	7117753	7241702	7399534	7289707	7362325	7445150	7627770
Slovenia	2353926	2385757	2443172	2465857	2511979	2550895	2607268	2674900	2730050
Solomon Islands	424712	416572	465331	482029	478116		0		
Somalia	5836000	6653040	7119000	7653040			8844000	8844000	
South Africa	87999492	82412880	88497610	92427958	96972459	95959439	100328005	100260000	108415000
South Sudan	2899000	2700000	2788933	3672871			0	3276150	6169570
Spain	51067770	51521507	52506928	54161014	55267594	55644651	56805348	59020000	61190500
Sri Lanka	23899642	25797199	28199083	30282984			29730465	30764135	31237300
St. Helena	1267	2499	4000				0		
State of Palestine									4148430
Sudan	27938507	27807293	28644139	30100412	33014160	35195207	16688773	34671300	
Suriname	750458	806881	795871	752270	813844	899339	906170	928840	988899
Sweden	12638827	12543188	12519313	12647103	12678374	12959858	12843683	13194200	14809200
Switzerland	11243210	11242105	11088598	10788602	10927300	10900000	11060700	10450200	10900000
Syrian Arab Republic	14312271	13349860	15386000	17129676	19387604	16660253	16990714		17092100
Taiwan, Province of China	29681490	29244328	28777408	29340886	29291467	29351150	29674012	30260400	29988000
Tajikistan	8489000	9400000	9904000				0		
Tanzania	39665600	40044186	39953860	43497261	47685232	51220233	54044384	60192300	70215100
Thailand	102942000	119669000	121530000	125098000	129614000	116294000	120850000	126414000	120921000
Timor-Leste	1376669	1492124	1556624	1468495	1425256	1377915	1386172	1481010	1559360
Togo	4855206	5505424	6069905	6144507	6239183	6516510	0	6564130	7051820
Tonga	73493	80000	107938	107938	62104		64328		
Trinidad and Tobago	2123374	2165847	2030637	1972595	2163725	1987996	1996837	1999030	2017390
Tunisia	14595875	14282078	14334080	14769594	14771048	14852857	15644663	15971200	16365100
Türkiye	73639261	75061699	77800170	80117999	80790877	82128104	86288834	90297600	92231000
Turkmenistan	7842000	8575000	9377000				0		
Tuvalu	6600	7600	8000				0		
Uganda	20220273	22838486	24948878	24472033		27688987	30127704	33068200	42082400
Ukraine	60720073	56717856	55714733	53933592	54842940	53977690	55925908	49304300	50328100
United Arab Emirates	17942560	19905093	19826224	20081015	19602815	18374332	18237084	20036000	21222800
United Kingdom	79250793	78931386	79098617	79472341		79007000	79773000	81563700	84340000
United States	382307000	396000000	400000000	422000000			361617000	372682000	386178000
Uruguay	5165474	5116736	5097569	5170624	4779787		4691277	4741470	4801570
Uzbekistan	21783300	23265389	24265460	23226156	33380000	33387000	35069000	35690100	37507100
Vanuatu	174818	218603	228016	251428	265219	246232	249868	255509	
Venezuela	29093517	27600893	24493687	20731169	16558617	18028388	16631275	17948600	
Viet Nam	120324052	120600235	120016181	140639140	136230406	138934626	135349460	137412000	131453000
Yemen	15021953	16433055	15357868	15297789			0		20047500
Zambia	11557725	12017034	13438539	15470270	17220607	19104208	20247111	19838000	21151200
Zimbabwe	12757410	12878926	14092104	12908992	13195902	13191708	14257590	14300800	14973800

Source: ITU Data Base - ITU Website

Table 11.11 - Fixed Broadband Subscriptions

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Afghanistan	7067	8801	9182	15999	19683	26570	0		33200
Albania	242870	266379	303612	361947	436192	508937	559394	582110	631834
Algeria	2269348	2859567	3210267	3067022	3582739	3790459	4177035	4707510	5543720
Andorra	30694	32490	34284	35663	36358		0	40813	41835
Angola	153571	84724	96919	109561	119047	230610	272698	137800	137323
Anguilla	5000						0		
Antigua and Barbuda	10000	9261	9000				0		
Argentina	6855837	7223128	7842778	8473655	8793181	9571562	10457904	11208100	11547700
Armenia	286319	299170	315319	347448	385704	430407	466621	510781	545876
Aruba	19000						0		
Ascension		382					0		
Australia	6828000	7374000	7923000	8427316	8705523	8937550	9082537	9214010	9632080
Austria	2455500	2523300	2511200	2521100	2513000	2606000	2592212	2621240	2706970
Azerbaijan	1899456	1803662	1805214	1890913	1943013	1995474	2055645	2096700	2154700
Bahamas	81018	85128	86868	81208	82295		0	84022	95132
Bahrain	253041	232385	213880	184603	205031	148595	162078	172314	267568
Bangladesh	4892940	6592396	7300500	8052889	8085500	9521970	10086021	11870800	12884800
Barbados	78269	86887	89340	89340	106803		102564	105825	
Belarus	2903497	3067529	3163286	3201519		3255552	3238881	3125060	3198980
Belgium	4121049	4270309	4378973	4502950	4590707	4734210	4920679	5071840	5118840
Belize	17379	18374	19006	24658	29600		0		24107
Benin	73263	22298	28615	27034	25435	29981	20679	21062	
Bermuda	30000	22797	22808				0		
Bhutan	27874	16489	16707	10802	8774	3139	2777	4934	10371
Bolivia (Plurinational State of)	180951	287589	379996	504097		931918	1127572		
Bosnia and Herzegovina	634987	662468	700347	716366	745887	770624	797893	875521	907951
Botswana	36845	59057	32434	40044	45011	71898	203020	110574	84630
Brazil	25482478	26860779	28907867	31233004	32563453	36344670	41504683	45161600	48375400
British Virgin Islands	6660	6218	5003	4715		6738	0		
Brunei Darussalam	34425	36120	41072	49452	54195	71078	79417	90186	92763
Bulgaria	1614541	1697590	1796682	1903946	1935544	2131606	2245831	2381780	2451940
Burkina Faso	9354	12384	12361	13818	12015	13979	16291		
Burundi	2771	3245	3914	3935	3791	4230	3953	4005	2785
Cabo Verde	16568	15541	14993	15657	17732	24839	30532	34135	37765
Cambodia	83504	97641	133633	166200	184379		336243	509830	
Cameroon	20447	45974	16765		199912	713845		603166	
Canada	13115376	13386496	13923805	14445606	14881958	15776602	16452598	16564800	16967500
Cayman Islands	27383	24535	31232				0		
Central African Rep.	1858	736	619	608	499		0		
Chad	11337	5126				0	0	0	
Chile	2719439	2904580	3062392	3250678	3429305	3751227	4280463	4453600	4520630
China	277046000	322597000	394190000	407382000	449279000	483550000	535786000	589648000	636306000
Colombia	5525763	5912968	6331032	6678543	6949852	7764772	8434168	8799310	8913950
Comoros	1600	1634	1644	1531	1106	912	1196	1830	3299
Costa Rica	558656	639087	744041	834784	903735	992725	1058767	1105670	1149920
Croatia	986215	1043795	1095881	1128273	1154773	260097	1048489	1087690	1109230
Cuba	8157	14428	33536	98838	182732	1030973	297321	364513	327422
Curacao	40000	42713	49348	51836		231654	0		
Cyprus	260640	278483	295686	313462	326565		340774	348943	356607
Czech Republic	2946626	3069970	3146091	3222835	3584800	332080	3939839	4003240	4099580
Côte d'Ivoire	109707	136380	142825	175918	216723	3802644	335041	379978	424902
Dem. Rep. of the Congo	1000	1000	1000	4620			0	33000	78398
Denmark	2404962	2461403	2511871	2535904	2536508	2571736	2605868	2637730	2645880
Djibouti	24165	24275	24389	25508		25053	14579	15703	16972
Dominica	15159	15487	15423	11514			0		
Dominican Rep.	686107	767353	786458	794788	885879	1031858	1084919	1199640	1261690
Ecuador	1487592	1461416	1683783	1953607	2092458	2346923	2480572	2673260	2889020

Source: ITU Data Base - ITU Website

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Table 11.11 - Fixed Broadband Subscriptions (Contd.)

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Egypt	3826410	4469164	5233872	6580370	7598941	9349469	10861195	10835900	13591200
El Salvador	353001	395307	451263	492265			613403	670816	
Equatorial Guinea	3799	3382	1897	1620			0	1816	
Eritrea	500	600	1000				0	536282	
Estonia	390275	414478	428453	441173	449140	415610	497504		516095
Eswatini	6000	7000	8000				0	27095	33793
Ethiopia	478000	559000	62950				0	566206	
Falkland (Malvinas) Is.	2000	1610	1000				0		
Faroe Islands	17792	17973	18041	18181		18443	0		
Fiji	12734	12332	12135	13033			0		
Finland	1729897	1712000	1710000	1737000	1797000	1846000	1864000	1879000	1979000
France	26867000	27680000	28480000	29100000	29760000	30627000	0	31928000	32302000
French Polynesia	51908	55443	57684	59790			59319	78266	
Gabon	11082	15018	14967	29099		44607	62985	80323	
Gambia	3573	3750	4000	4433			0		
Georgia	635644	681038	780810	862141	941479	997785	986809	1075200	1102370
Germany	30707429	31861900	33243300	34174900	35071539	36040739	36880564	37500000	38368400
Ghana	73132	86596	56810	62320	57465	78371	114543	207164	223302
Gibraltar	15577	16404	17373	19232	18970		22062	22932	
Greece	3439034	3615029	3778268	3961864	4118113	4257026	4435090	4446770	4477120
Greenland	10000		12016	13192	14404		16781		
Grenada	19757	20821	22235	26987	25577		0		
Guatemala	459847	506000	531000						920892
Guinea	1000	1100	1127	1213	1250		0		
Guinea-Bissau	1051	886	853	1204	1227	2383	3303	4615	6685
Guyana	53687	57203	64889				0		
Haiti	1348	1348	29900	31100			0		
Honduras	197379	220386	238291	354861	390377	396454	417259	474624	476001
Hong Kong, China	2347833	2626028	2658068	2714679	2787835	2871081	2918734	2982770	2968460
Hungary	2718794	2814523	2956585	3079549	3189689	3265308	3382136	3538050	3563670
Iceland	124436	128023	133574	136556	138267	141816	143124	142334	145042
India	16942750	18653312	17856024	18170000	19749488	22290000	27560000	33500000	39260000
Indonesia	3983000	5227393	6215923	8874116	9411805	10713107	12419416	13443900	13543900
Iran (Islamic Republic of)	6608662	7608560	8599949	9806123	8626182	9564195	10674899	10931100	10891700
Iraq			4291911	4492328		5453799	6588435	6386390	7766830
Ireland	1309467	1360204	1398798	1430160	1462549	1516252	1576973	1611510	1654600
Israel	2173000	2258000	2342000	2435000	2481000	2602079	2656753	2655180	2764650
Italy	14900171	15563279	16586376	17060505	17376499	17855620	18686502	19982400	20106800
Jamaica	228890	286068	239120	284756	317907	385603	413500	424741	448266
Japan	38872579	39805586	40532466	41496293		43633244	44965598.07	44574800	47940400
Jordan	309726	297324	331925	399596	469978	625657	719025	796229	805034
Kazakhstan	2301000	2349900	2576100	2462900	2451400	2616500	2762700	2978500	3585110
Kenya	135107	132702	288303	371498	491183	674191	788996	801021	1321950
Kiribati	117	66	76	84	68	185	349	351	440
Korea (Rep. of)	20024419	20555683	21195918	21285858	21906172	22330182	22944268	23537300	24098200
Kuwait	55000	101390	117719	103821	84595	73948	70468	62568	49049
Kyrgyzstan	211521	240873	258013	250612	269091		0		455996
Lao P.D.R.	12316	24426	27217	45379	76280		150755		
Latvia	503503	519154	526222	525995	508894	503804	489818	488603	489281
Lebanon					420000	432070	0		
Lesotho	2062	2230	4821	5763		5060	14894	9088	8870
Liberia	7000	8000	9000				0		
Libya	61000	168920	318000				0	326401	
Liechtenstein	15696	15935	16253	16712	17251	18063	18526	19189	19721
Lithuania	833298	857761	798769	788743	791826	796814	802373	808419	805741
Luxembourg	195300	203100	214600	224300	230100	235155	0	250395	
Macao, China	169939	177959	186000	193057			0	208524	211860

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Table 11.11 - Fixed Broadband Subscriptions (Contd.)

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Madagascar	23694	26385	25062	27211			30933	32718	33615
Malawi	5855	8692	10816	11358	11358	12255	13480	14828	16790
Malaysia	3063800	2718800	2687800	2696000	2964500	3358800	3734100	4222800	4576500
Maldives	23175	29309	36534	47065	52798	63685	76518	91193	98507
Mali	3499	21444	15400	120934		243806	145154	178633	
Malta	163205	171263	181318	191833	199241	213419	221198	229473	235994
Marshall Islands	1000	1000	1000				0		
Mauritania	9638	11141	12637	13222	10815	19246	19219	13906	
Mauritius	197400	212600	246000	274200		322100	328900	334300	342700
Mexico	14757686	15923971	17000482	18359028	19173373	21206911	23315640	24848100	26638400
Micronesia	3277	3169	3776				0		
Moldova	534393	557403	584330	623135	670530	719001	762333		841018
Monaco	18354	18614	19258	19822	20476	20877	21158	800057	21770
Mongolia	208047	226147	285093	306150	317317	307166	379727	21501	499446
Montenegro	112394	114848	137426	159029	178781	184176	188286	196025	202835
Morocco	1147533	1255428	1378867	1552599	1751341	2102434	0	2415750	
Mozambique	42570	46599	61641	70142			65495	60148	
Myanmar	32921	89686	111567	129050			893039	1127250	1514830
Namibia	70408	64343	65779	61968	63314	71063	77249	96349	104287
Nepal (Republic of)	302705	224184	503206	791961			0		
Netherlands	7029097	7222770	7289580	7406700	7459000	7525016	7615000	7810000	7827630
New Caledonia	55371						0		
New Zealand	1450900	1530500	1583000	1647000			1801118	1862880	1930260
Nicaragua	116308	177024	210124	192413	216618	290351	299930	337059	370543
Niger	27188	7707	8650				0		
Nigeria	15688	107931	110834	73965		65313	65917	96806	116867
North Macedonia	364421	381531	396295	427964	444356	462476	490084	506478	
Norway	2050460	2106975	2165221	2206519		2387661	0	2487250	
Oman	233234	284647	348926	422035	473070	508949	524518	536967	561983
Pakistan	1793199	1642805	1829673	1811365	1760870	2423057	2944985	3135370	3356720
Palau	1224						0		1300
Palestine	274500	320684	359872	364086		373050	405014	420478	
Panama	316168	429931	441163	540220	574463	562413	572908	682613	808557
Papua New Guinea	15000	17000	18000				0		
Paraguay	215135	246660	290264	320700			702255	738023	877564
Peru	1999459	2120762	2310217	2536077			3063286	3163510	3527350
Philippines	2900000	2985452	3399291	3919713	4178822		9658020	8744000	7513090
Poland	7265546	7327918	7630957	7851422	7797605	8212601	8811319	9154540	10122500
Portugal	3142188	3375597	3574638	3784684	3967687	4160895	4313534	4472990	4601160
Puerto Rico	704411	686851	660077	609027	609943	671284			750838
Qatar	237774	253718	256560	267906	284679	296126	311888	365648	346798
Romania	4262132	4449500	4753400	5087000	5277600		6099000	6363620	6626780
Russian Federation	26881463	27522702	31103235	32062780	33028695	5685000	34622836	35880300	
Rwanda	21125	21721	21780	7501	8885	33872758	31902	47772	62175
Réunion						17685	0		
Saint Kitts and Nevis	16376	14178	29272	29272			0		
Saint Lucia	28426	29786	31828	32265			0		
Saint Vincent and the Grenadines	16960	21865	19273	24613	21585	24494	27872	29590	30897
Samoa	2084	2169	1692				0		
San Marino	11641	12000	10500	10858	11081		12000	12200	
Sao Tome and Principe	1314	1425	1479	1557	1642	2512	3423	4582	5775
Saudi Arabia	6335557	6397541	6653291	6821873	6801949	7890261	10588164	13456700	14494300
Senegal	100611	98353	111795	129820	152047	177363	208314	247760	356839
Serbia	1320230	1450958	1480754	1552160	1622813	1724392	1799834	1948280	2079690
Seychelles	13420	14035	15221	19696	26979	34966	41280	37445	39373
Singapore	1486200	1591900	1475700	1493600	1498100	1517600	1516100	2232500	1573900
Slovakia	1273812	1336541	1404751	1507998	1585092	1701561	1774670	1860820	1830480

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Table 11.11 - Fixed Broadband Subscriptions (Contd.)

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Slovenia	569026	589324	601820	612745	627936	651604	671642	682995	682888
Solomon Islands	1420	1639	1166	1488	1045		0		
Somalia	82000	92000	98000				119000	119000	
South Africa	1409347	1150770	1123189	1107013	1250356	1303057	1694648	1948060	2152800
South Sudan	150	150	200	200			0	200	200
Spain	13542906	14112657	14668212	15176954	15590305	15850358	16392286	16929200	18246500
Sri Lanka	625917	892184	1220504	1544313		1992429	2586040	2200400	2013570
St. Helena	1337	1347	1000				0		
State of Palestine									431117
Sudan	28093	26376	30549	31352		28782	30426	29847	
Suriname	52691	71217	71217	73176	80320	92270	123016	124795	110290
Sweden	3496240	3679768	3866353	3973622	3994475	4101078	4175604	4262320	4298050
Switzerland	3700563	3775916	3916720	3883878	3884000	4023000	4007000	4330800	4327930
Syrian Arab Republic	729261	1009614	1423070	1328688	1490344	1548100	1576443		1618890
Taiwan, Province of China	5656330	5686003	5713568	5725022	5831467	5952411	6342842	6635040	6840850
Tajikistan	6000	6000	6000				0		
Tanzania	106000	318474	763466	861234	1032667	1084698	1243047	1351870	1664780
Thailand	6229000	7219000	8208000	9189000	10108819	11599513	13129216	13229000	11484000
Timor-Leste	1028	662	656	603	600	75	107	137	80
Togo	66072	48763	50550	26156	31899	52706	0	97448	114272
Tonga	2458	3000	3000	2519	3703		6812		
Trinidad and Tobago	278522	255579	326776	342200	344735	375990	364062	373398	404202
Tunisia	573977	640267	801785	1014395	1193359	1334551	1496611	1689010	1725580
Türkiye	9504594	10499692	11924905	13407226	14231978	16734853	18135736	18998800	19600200
Turkmenistan	3000	4000	5000				0	377207	
Tuvalu	450	450	450				0		
Uganda	80724	92115				34596	38481	40220	44422
Ukraine	4978813	5125499	5239743	5405125	6784185	7769401	7566286	7190920	8066310
United Arab Emirates	1234447	1297585	2761830	3024565	3045957	3245123	3573055	3763380	3947870
United Kingdom	24686486	25445619	26043431	26586110		27490258	27738000	28006000	28188000
United States	102212000	105714000	108199000	110865000	114093000	120531000	127032000	127123000	130696000
Uruguay	900933	921677	953281	977390	1012410		1105458	1135500	1097810
Uzbekistan	1787786	2746360	3320210	4123508	4597265	4820009	6802985	9013980	10791900
Vanuatu	4297	4386				2785	3157	3526	
Venezuela	2589713	2613991	2607829	2604578	2561210	2407187	2565909	2504490	
Viet Nam	7657619	9098288	11269936	12994451	14802380	16699249	19328191	21258500	22760500
Virgin Islands (US)	9000						0		
Wallis and Futuna	1000						0		
Yemen	395000	276219	369004	386330			0		
Zambia	23390	31784	35912	72228	88891	82317	80592	86434	98951
Zimbabwe	163987	170838	187310	203056	204424	203461	205333	206622	269190

Source: ITU Data Base - ITU Website

Table 11.12 - Active Mobile-broadband Subscriptions

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
Afghanistan	1910178	4669379	5700205	6997208	7309797	7422550	0		23027100
Albania	1297281	1686354	2030978	1809996	1789158	1998579	2056444	2140180	2082530
Algeria	16319028	26679543	32392293	34480819	41325252	39740708	43108730	44758500	48090200
Andorra	34094	39001	42823	46544			0	76000	86622
Angola	4015303	4025307	4354043	5820154	6740418	6637340	7325997	9349590	11139200
Antigua and Barbuda	31000	41000	48000				0		
Argentina	33051635		35436000						
Armenia	1204602	1611919	1957546	2239467	2445149	2475449	2674304	2837390	3036890
Australia	30260000	31544000	32980000	32268000	35900000	32248000	31668000	32394000	33450000
Austria	6031800	7585400	7698000	7820000	8093000	9638000	10583314	10143500	11445300
Azerbaijan	5856215	5466928	5579977	5929185	6235174	7339900	7100230	7987100	8807500
Bahamas	182685	200696	260587	314419	362303		0	403993	399630
Bahrain	1791892	2238233	2179162	1977618	1955121	1861010	1978421	2323690	2227330
Bangladesh	25189038	44110894	50581107	66607954	86066000	87314834	99261131	88590300	99169100
Barbados	157713	129094	129851	171803	121218		189514	182541	
Belarus	5725126	6402258	7217531	8161012		8653920	9054903	9321770	9455520
Belgium	6940277	7480397	8588776	8701058	10037211	10337943	10822349	11060500	11573700
Belize	42169	185404	142855	164730	171349		0		
Benin	461027	881479	1346120	2273553	2532296	3299908	4336058	5629240	7069110
Bermuda		4218	6992				0		
Bhutan	362969	545788	705654	766768	762332	688935	670362	739939	761318
Bolivia (Plurinational State of)	3731487	6159837	8453103	9067332		9820483	10471194		
Bosnia and Herzegovina	1278989	1424634	1520424	1840808	1951830		1817489	2081980	2208920
Botswana	1389522	1409274	1532954	1749059	2045230	2193585	2431822	2844960	2645430
Brazil	180485766	183705670	188855115	184570501	196547148	190738810	205538574	200379000	205811000
British Virgin Islands	34951		30804	36648			0		
Brunei Darussalam	406613	505723	533191	557685	553891	525827	609284	533524	545307
Bulgaria	5782280	6232065	6487761	7122841	7392515	7391434	7604776	7839140	8015760
Burkina Faso	2738610	3661618	5531409	5907800	6441178	10903709	13460748		1406430
Burundi	817716	908849	1366625	1279019	1284907	1303694	1033517	1123740	515897
Cabo Verde	353619	359056	381875	363419	420913	419751	448720	442420	
Cambodia	6710524	8000834	10703056	13458050	15898958		17535930	17098200	
Cameroon	1000000	2462468	4263000	3537908	4867210	4107058	9544731	8049560	10003900
Canada	22033684	24972000	26433000	28323000	30675000	31755000	31388021	33241900	34500300
Central African Rep.	123769	160793	221001	248260	238650		0		
Chad	187206		524758	612175	475818	480262	0	1386470	
Chile	10057395	12914417	15932876	17151624	18508001	19336968	21599076	21461300	21522200
China	777992000	973558000	1177694000	1334229000	1431340000	1386405000	1493900400	1537260000	1617330000
Colombia	20292707	22804101	23943998	25982322	29533312	31455015	36767041	39512900	44563200
Comoros	0	0	468998	498988	121787	279768	345000	514842	695494
Congo (Rep. of the)			309000				922192		3556250
Cook Islands			13000				0		5183450
Costa Rica	4861898	4336034	4788964	5043509	4664073	4641694	4501028	5001950	
Croatia	3111023	3253295	3337065	3302355	3390776	19651407	4448328	4613070	5442860
Cuba	0	0	0	1618435	2916253	4338193	3729689	4731970	5352540
Curacao	75000	90000	89426	81291		2795707	0		
Cyprus	638314	821694	904573	960997	1025827		1233001	778968	813428
Czech Republic	7759255	8530141	8705487	9383700	10070000	1049808	10687712	11023700	11477100
Côte d'Ivoire	8602170	10360734	13095386	15442012	17021159	10108918	21806047	27537800	29171600
Dem. People's Rep. of Korea	3240000	3606000	3810000				0		
Dem. Rep. of the Congo	6036970	10379977	13198592	13360051	16950021	20878176	0	25935100	29984100
Denmark	6659512	7008283	7424043	8052804	7966795	7924354	8096226	8370610	8603050
Djibouti	50000	103574	186526	197519		241208	283816	353468	402784
Dominica	30670	29937	52152	67262			0		
Dominican Rep.	4219142	5300015	5922318	6463596	7216243	7688393	7415907	8044620	8253610
Ecuador	5693268	7690046	8807079	9342814	9335830	9844859	10082448	10697200	11350100
Egypt	42913302	45244164	48885371	53068763	59572831	66272877	84164797	72102200	79148300

Source: ITU Data Base - ITU Website

Contd.

Table 11.12 - Active Mobile-broadband Subscriptions (Contd.)

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
El Salvador	1281428	2290773	3564505	3501385			4864955	4742840	
Equatorial Guinea	306		426	1846			0	14984	
Estonia	1445845	1596030	1746443	1940928	2211088	2189585	2013947	2778810	2585610
Eswatini	160000	169150	179000				0	1364310	1273370
Ethiopia	3630000	5353000	14788000				0	31689600	
Faroe Islands		42466	45009	48112		56497	0		
Fiji	430000	488000	1173317	1303273			0		
Finland	7862900	7870000	8440000	8530000	8570000	8630000	8700000	8890000	8920000
France	48512000	52863000	56248000	59546000	62942000	64793000	0	69115000	72612000
French Polynesia	73895	135929	158957	182351			262104	274215	
Gabon	636492	1650289	1702144	1945827		2071537	2255282	2255280	
Gambia	265052	432138	568000	838210			0		
Georgia	2172352	2480634	2608041	2949482	3191375	3255012	3276651	4101170	4318450
Germany	58471000	63094865	65509168	68629783	72258346	75983701	78728000	79650000	79844000
Ghana	18031188	19746554	23551789	27312733	30006622	26512155	23465185	22890500	19086800
Gibraltar	10000	10000	33511	30066	32248		34149	36708	
Greece	5078741	5947815	7074933	8563326	9463376	9231228	9236242	9885500	10772700
Greenland			2438	1911	1670		1753		
Grenada	30690	35250	36500	64690			0		
Guatemala	1637845	2309361	2783000						
Guinea	1719446			2958529	2958529		0		
Guinea-Bissau	0	126172	157608	332162	705160	781540	1090953	1315910	1583080
Guyana	1820	1850	204539				0		
Haiti	17000	1105681.7	3098128	3335050			0		
Honduras	1451692	1934419	2267184	3079981	2736106	5024741	4887509	5176930	5329190
Hong Kong, China	7840561	7706215	9368621	11456564	10478358	10528333	12011334	11828800	12984000
Hungary	4969565	5556505	6143518	6582271	6962473	7126527	7432005	8132040	8347180
Iceland	314604	353903	388391	419600	436085	419231	442405	470386	483485
India	120030000	217355871	345013593	507190000	674655936	725120000	765991924	800336000	865280000
Indonesia	107518000	88551173	253488807	233269909	219762853	243631301	299304357	251006000	333132000
Iran (Islamic Republic of)	15913352	27170619	55341362	55794043	66533736	77706885	91844281	102374000	109025000
Iraq	1271100	6040620	12569022	15309376		17649651	20678849	20548800	23813000
Ireland	4492682	4764610	4855407	4999569	5141816	5126403	5417162	5931850	6113370
Israel	6700000	7500000	8750000	9500000	9800000	10000000	11000000		13200000
Italy	50221401	50620475	52208461	54495633	57308868	56888651	57359100	56884100	58574800
Jamaica	1505356	1589325	1412217	1502313	1630742	1741980	1738184	1884960	2000730
Japan	162760922	167510000	230678859	245858569		261081589	278598654	290534000	305585000
Jordan	6382679	6871087	8333881	8731760	7778770	6987891	7275563	7625640	7726690
Kazakhstan	12250900	13351900	13942600	14211000	14777000	15709000	16657000	18336700	20448700
Kenya	7112991	12546559	16926599	21543425	21595570	25144693	28360642	31888500	36518700
Kiribati			12572	14022	19172	51989	52487	62111	70797
Korea (Rep. of)	54562182	55713362	57490488	58139684	58858580	59932283	60721156	62248200	63028000
Kuwait	5175373	5764330	5264653	5422240	5544628	5442588	5807600	6466850	6572370
Kyrgyzstan	1768305	2672010	4454071	5927693	7887101		0		6512900
Lao P.D.R.	994165	2476768	2741535	2966380	3483779		4188419		
Latvia	1362000	1504256	2264044	2511441	2532818	2664819	2665494	2222360	2273150
Lebanon	2916231	3182662	3118872	3103589	2934872	4348512	0		
Lesotho	831194	791245	1084344	1243466		1385469	1554363	1547630	1411070
Liberia	236000	463441	550000				0		
Libya	2006000	2229259	2353000				0	8556130	
Liechtenstein	41273	45004	47712	49269	50350	49000	48000	48500	49450
Lithuania	2028690	2294811	2307095	2760705	3011702	3190165	3412559	3664660	3922660
Luxembourg	477000	482000	514000	568000		737430	0		775000
Macao, China	1896020	1969972	2047000	2181194			0	1213220	1374130
Madagascar	2365321	2021552	3317073	4097391			5159274	7024930	8017180
Malawi	2801024	3294000	4746592	4936394	5932491	6822634	7815010	7894400	8475350
Malaysia	27759100	28532500	35256600	36794500	40430900	38837200	42016100	43239500	45336700

Source: ITU Data Base - ITU Website

Contd.

Table 11.12 - Active Mobile-broadband Subscriptions (Contd.)

Country	2015 value	2016 value	2017 value	2018 value	2019 value	2020 value	2021 value	2022 value	2023 value
Maldives	227820	264937	276873	287281	268843	252009	241843	280782	276126
Mali	3063186	4093548	5676760	5776730		9487870	8768933	13212400	
Malta	270097	326102	367427	373773	409995	423712	414674	578347	689577
Mauritania	975263	1451155	1350318	2331309	2513141	2894327	3265608	2913520	
Mauritius	464200	650800	745900	827300		1245600	1411700	1524600	1590600
Mexico	63919616	75073020	81103052	88290836	93211904	99579706	104536335	112080000	121276000
Moldova	1785149	1837689	2058713	2168174	2381083	2371108	2688907	2958250	2902950
Monaco	25695	28893	32840	32550	33652	35100	35900	37710	39468
Mongolia	2222112	2430289	2484543	2654190	3164673	3579771	3889239	3996900	4122370
Montenegro	361450	377007	418322	459327	505535	539547	561944	642967	708376
Morocco	13337087	15816896	20828576	21288359	23677204	27743105	31690000	33204100	35685000
Mozambique	12188653	9447275	7621913	4444013			6204431	6856300	
Myanmar	18155742	29772375	47997232	49781606			58937190	52602300	58870900
Namibia	856963	1611385	1412979	1796656	2248139	1764971	1922447	1986030	1733580
Nauru	2600	3700	4000					0	
Nepal (Republic of)	7500000	8850000	15348992	13350448				0	
Netherlands	13747048	15017000	15464000			21466000		21660000	22218300
New Caledonia	29284							0	
New Zealand	5250000	4700000	4781000	5429000			4896000	4987000	5263000
Nicaragua	451740	1443171	1888976	1207096	1176205	3357306	3778958		4824080
Niger	354000	409533	849630					0	
Nigeria	38448990	43278438	37915495	60087199		85941222	78041883	90399000	94893200
North Macedonia	1129185	1189188	1266280	1348134	1455276	1348663	1416911	1581840	1489290
Norway	4909850	5012436	5188704	5294119		5622248	0	5341140	
Oman	3550166	4047014	4351583	4113348	5038782	5385553	5097547	5718900	6031140
Pakistan	24522297	38452981	48678779	62025795	76245320	90504754	107681219	121540000	127681000
Palestine	0	0		791100			962711	1039255	
Panama	2801591	2387372	2866652	3305834	3771748	3435993	3411393	4269680	4738270
Papua New Guinea	463000	718580	917000					0	
Paraguay	3035655	3320667	3637144	4011225			4672038	4810760	5130170
Peru	17145843	19575206	20646962				27173019	29044400	30607600
Philippines	42330000	56606000	71983153		72646218			80671700	84700000
Poland	21931417	46857624	58829353	65110691	70387639	74719813	75611153	76556100	78107300
Portugal	5521656	6477160	7114834	7573471	8085113	8050695	8995448	9833780	10455000
Puerto Rico	1792240	2184408	2711183		2556360	2805838			3386740
Qatar	2832946	3595650	3358270	3503189	3535025	3466269	3871773	4688760	4617600
Romania	13739000	15860000	16600000	17140000	17360000		18500000	18407000	18698900
Russian Federation	101179679	106099085	119147289	127200239	142063872	17700000	157068568	160477000	
Rwanda	3216121	3446692	4274513	4799139	5341692	146495379	6332642	8279430	9277630
Réunion						5548624		0	
Saint Kitts and Nevis	39430	43120	36390	27041				0	
Saint Lucia	62190	68961	80708	77322				0	
Saint Vincent and the Grenadines	42669	54072	86659	59455	64315	63582	68634		63078
Samoa	18613	43917	51096					0	74822
San Marino	34624	36570	44000	44000	44500		45000	46000	
Sao Tome and Principe	35799	50884	69995	70788	73858	78377	88892	92731	96901
Saudi Arabia	33387589	23884592	29653287	37440539	40052293	41379642	42974656	45875100	56298200
Senegal	3953818	4013800	4267481	6678431	8840070	11168812	15878824	16978700	19496700
Serbia	5084699	5084699	5356416	5811317	6251916	6480828	7000933	7255060	7545770
Seychelles	17945	21330	71962	78178	89896	84034	94476	106279	102769
Sierra Leone	961740	1507024.8	1934000	948000	1152089	1585904	1787077		
Singapore	8048000	8346000	8381900	8568400	9076700	8427500	8660700	9350700	9651100
Slovakia	3685683	4300524	4501833	4688623	5805979	4823443	4833958	4895260	5220880
Slovenia	995520	1284079	1456526	1613879	1747536	1825472	1923964	2035250	2085420
Solomon Islands	66664	77100	114023	114249	128961			0	
Somalia	180000	280000	358000				445000	445000	
South Africa	31809467	34065846	39684041	44780744	49494803	65627644	68702148	80895100	82702500

Source: ITU Data Base - ITU Website

Contd.

Table 11.12 - Active Mobile-broadband Subscriptions (Contd.)

Country	2015_value	2016_value	2017_value	2018_value	2019_value	2020_value	2021_value	2022_value	2023_value
South Sudan	143911	140174	476501	658147			0	760447	760447
Spain	39030914	41504722	43624037	45983207	48106957	49227728	51285825	52326700	53937200
Sri Lanka	3408408	8785961	11047013	13806934		15360723	17039619	16369800	16610600
State of Palestine									1177390
Sudan	11649027	10205026	12363261	13557437	16241123	18565661	18565661	22313700	
Suriname	365000	264044	264044	242449	530191	526477	784933	768523	868565
Sweden	11835202	12140358	12142622	12660775	12671093	13069229	13170200	13536100	13959500
Switzerland	8400000	8448072	8376627	8471621	8510000	8784900	8870000	8806600	9410410
Syrian Arab Republic	2346737	2366874	2288283	2796552	1963365	1661496	3714646		7349990
Taiwan, Province of China	18698357	21318990	23602830	26326337	27283602	27613956	27893079	28358300	28485500
Tajikistan	1040000	1598000	2027000				0		
Tanzania	4700000	4965631	4965631	5124797	5679667	8546887	11627929	18703500	21531400
Thailand	59688000	63977000	55179000	58054000	60348000	63060000	65976000	87357000	88688000
Timor-Leste	440000	770780	435793	400850	400850	400850	400850	400850	400850
Togo	431661	1437425	2015858	2524282	3322213	2591711	0	3362420	4001810
Tonga	53220	60000	64000	67225	62104		64328		
Trinidad and Tobago	443707	637799	630617	565412	559195	608301	643421		
Tunisia	6951493	7147378	7498523	8799186	9097464	8987950	9832063	10604800	11607300
Türkiye	39067554	51736914	56944673	61092863	62407717	65629737	70029003	71651100	73715400
Turkmenistan	600000	771000	881000				0	25680500	
Uganda	7349540	8180501	10028847	14360847		21443053	23914358	31745500	30024900
Ukraine	3413000	9652657	17386033	19907552		35596384	33184499	22178200	33447500
United Arab Emirates	12536797	15284951	22882825	24081304	23438582	22178585	22586425	77673000	21163200
United Kingdom	55870842	54782461	58226029	66160380		73406000	76230000	586991000	79294000
United States	375504000	409173000	431448000	473663000			558670000	3964110	634079000
Uruguay	2665467	3508777	3361182	3415763	3378997		3737691	35956100	3734550
Uzbekistan	13069980	16814345	18959330	20251746	21931042	21950541	34000690	1061250	37976700
Vanuatu	50000	60000	125497	190449		1058291	909883	13818500	
Venezuela	13449992	15950302	15717011	15751915	14701905	13920834	12490769		
Viet Nam	35782223	43919045	44854554	68692261	69894517	78099310	85621091	95178900	100122000
Yemen	1494000	1578240	1667000				0		13530300
Zambia	2140195	5156365	7723855	9825716	9121916	10219976	10357442	11062200	12469600
Zimbabwe	5872091	6722677	6824307	7460186	7569875	8695188	9331088	9720330	11044500

Source: ITU Data Base - ITU Website

Table 11.13 - Indicator Definition

Indicator Name	Indicator Description	Indicator Definition
i112	Fixed-telephone subscriptions	Refers to the sum of all active analogue fixed-telephone lines, voice-over-IP (VoIP) subscriptions, fixed wireless local loop (WLL) subscriptions, ISDN voice-channel equivalents, fixed public payphones and satellite-based subscriptions provided to fixed locations that allow for a voice communication
i271	Mobile-cellular telephone subscriptions	Refers to the number of subscriptions to a public mobile-telephone service that provide access to the public switched telephone network (PSTN) using cellular technology. It includes the number of postpaid subscriptions and the number of active prepaid accounts
i4213tfbb	Fixed-broadband subscriptions	Refers to the number of subscriptions to a public mobile-telephone service that provide access to the public switched telephone network (PSTN) using cellular technology. It includes the number of postpaid subscriptions
i271mw	Active mobile-broadband subscriptions	Refers to the sum of active handset-based and computer-based (USB/dongles) mobile-broadband subscriptions that allow access to the Internet

Source: ITU Data Base

*12 – Update
&
Annexures*

Table 12.1 - Summary of the telecom sector's performance

Parameter	April'24	May'24	June'24	July'24	August'24	September'24	October'24
Total Phones (in million)	1200.74	1203.29	1205.45	1205.08	1200.51	1191.14	1188.70
Wireline (in million)	33.36	33.83	34.21	35.32	35.97	36.67	37.52
Wireless (in million)	1167.38	1169.46	1171.24	1169.76	1164.54	1154.48	1151.18
Rural (in million)	536.03	537.50	538.63	537.66	532.91	528.06	527.34
Urban(in million)	664.71	665.79	666.82	667.42	667.60	663.08	661.36
Public (in million)	98.96	97.24	96.65	99.50	102.50	103.34	103.80
Private(in million)	1101.78	1106.06	1108.80	1105.58	1098.01	1087.81	1084.90
Wireline %age to Total Phones	2.78	2.81	2.84	2.93	3.00	3.08	3.16
Wireless %age to Total Phones	97.22	97.19	97.16	97.07	97.00	96.92	96.84
Rural %age to Total Phones	44.64	44.67	44.68	44.62	44.39	44.33	44.36
Urban %age to Total Phones	55.36	55.33	55.32	55.38	55.61	55.67	55.64
Public %age to Total Phones	8.24	8.08	8.02	8.26	8.54	8.68	8.73
Private %age to Total Phones	91.76	91.92	91.98	91.74	91.46	91.32	91.27
Overall Teledensity (%age)	85.73	85.85	85.94	85.85	85.46	84.73	84.49
Wireline Teledensity (%age)	2.38	2.41	2.44	2.52	2.56	2.61	2.67
Wireless Teledensity (%age)	83.34	83.43	83.50	83.33	82.90	82.12	81.83
Rural Teledensity (%age)	59.31	59.45	59.55	59.43	58.88	58.33	58.23
Urban Teledensity (%age)	133.79	133.81	133.82	133.74	133.58	132.48	131.94
Public (%age)	7.07	6.94	6.89	7.09	7.30	7.35	7.38
Private (%age)	78.66	78.91	79.05	78.76	78.16	77.38	77.11
Broadband (in million)	928.41	935.13	940.75	946.19	949.21	944.40	-

Table 12.2 - Summary of the telecom service area-wise performance during 2023-24

Service Area	April'24	May'24	June'24	July'24	August'24	September'24	October'24
ANDHRA PRADESH	86819066	87154343	87274826	87939970	87589364	86581484	86392901
ASSAM	26727516	26791985	26847205	26867478	26569285	26353760	26441832
BIHAR	96946814	97177121	97227868	97166358	96298416	95841416	95681205
GUJARAT	67142658	67239494	67323757	67394213	67654952	66893405	67033146
HARYANA	27346677	27230913	27218175	24732840	27190771	26826662	26738621
HIMACHAL PRADESH	9007091	9022899	9021992	11582786	9088482	9024537	8989669
JAMMU & KASHMIR	12582574	12681984	12843408	12979511	12983254	12807560	12707206
KARNATAKA	70652331	70933642	70953925	71115142	70941244	70609817	70831834
KERALA	43775688	43742179	43468130	43348626	43298717	43092403	42970767
MADHYA PRADESH	81641391	82093228	82438058	82650735	82214979	82076148	81320708
MAHARASHTRA	94751396	94662299	95057255	94627057	94154840	93710552	93227555
NORTH-EAST	12902307	12957865	13024518	12941971	12880289	12700549	12695347
ORISSA	34227022	34394339	34700874	34919828	34504373	34653600	34700119
PUNJAB	36935963	36728935	36588891	36405186	36759585	36039440	35990829
RAJASTHAN	67523160	67641455	67926392	67564755	66986786	65947313	65743684
TAMIL NADU	81366059	81595199	81816348	81558979	81371066	80852718	80674749
UTTAR PRADESH - [East]	104699789	103704811	103855818	103815860	102999775	102441724	102131309
UTTAR PRADESH - [West]	63373564	64984695	64924991	64971433	64726239	64061135	63740303
WEST BENGAL	58498378	58621152	58696270	59000956	58337765	57648202	57582911
KOLKATA	25005986	25056655	25005473	24321118	25050965	24658988	24621311
DELHI	60935813	61132274	61376423	61471042	61398007	60996818	61018691
MUMBAI	37881966	37747310	37859049	37704896	37508711	37326053	37466619
TOTAL	1200743209	1203294777	1205449646	1205080740	1200507865	1191144284	1188701316

Source: DoT

Table 12.3 - Broadband Subscribers in India (In million)

At the end of	Wired	Wireless	Total Subscribers
April'24	40.71	887.70	928.41
May'24	41.31	893.83	935.13
June'24	41.83	898.92	940.75
July'24	41.98	904.21	946.19
August'24	42.84	906.37	949.21
September'24	43.63	900.77	944.40

Source:TRAI

TERRITORIAL JURISDICTION OF LICENSED SERVICE AREA (LSAs)
(TELECOM CIRCLES/ METROS)

Sl. No.	LSA	Areas covered
1	West Bengal	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 LSA
2	Andhra Pradesh	Entire area falling within the State of Andhra Pradesh and Telangana.
3	Assam	Entire area falling within the State of Assam.
4	Bihar	Entire area falling within the State of Bihar and State of Jharkhand.
5	Gujarat	Entire area falling within the State of Gujarat and Union Territory of Daman and Diu, Silvassa (Dadra & Nagar Haveli).
6	Haryana	Entire area falling within the State of Haryana except Panchkula town and the local areas served by Faridabad and Gurgaon Telephone exchanges.
7	Himachal Pradesh	Entire area falling within the State of Himachal Pradesh
8	Jammu & Kashmir	Entire area falling within the Union Territory of Jammu & Kashmir and Union Territory of Ladakh.
9	Karnataka	Entire area falling within the State of Karnataka.
10	Kerala	Entire area falling within the State of Kerala and Union Territory of Lakshadweep and Minicoy.
11	Madhya Pradesh	Entire area falling within the State of Madhya Pradesh and the State of Chhattisgarh.
12	Maharashtra	Entire area falling within the State of Maharashtra and Goa, excluding areas covered by Mumbai Metro LSA.
13	North East	Entire area falling within the States of Arunachal Pradesh, Meghalaya, Mizoram, Nagaland, Manipur and Tripura.
14	Odisha	Entire area falling within the State of Odisha.
15	Punjab	Entire area falling within the State of Punjab and Union territory of Chandigarh and Panchkula town of Haryana.
16	Rajasthan	Entire area falling within the State of Rajasthan.
17	Tamilnadu	Entire area falling within the State of Tamilnadu and Union Territory of Puducherry
18	Uttar Pradesh (West)	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 includes the State of Uttarakhand.
19	Uttar Pradesh (East)	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	Local Areas served by Delhi, Ghaziabad, Faridabad, Noida, and Gurgaon Telephone Exchanges.
21	Kolkata	Local Areas served by Kolkata Telephones of BSNL.
22	Mumbai	Local Areas served by Mumbai, New Mumbai and Kalyan Telephone Exchanges

NOTE:

1. Yanam, an area of Union Territory of Puducherry is served under Andhra Pradesh LSA 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 in 1994-95.
3. The definition of local areas with regard to the above LSA as applicable to this license is as per definition applicable to Cellular Mobile Service Licenses as in the year 1994 and 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.
4. Erstwhile Chennai LSA and Tamilnadu (excluding Chennai) LSA as defined in UAS License, have been merged to make a single LSA namely Tamilnadu LSA. For Unified License, there will be Tamilnadu LSA as defined at Sl. No. 17 in the above List of LSAs.

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)	Odisha	
	UP (W)		
	West Bengal		

जारीकर्ता: आर्थिक अनुसंधान एकक (सांख्यिकी अनुभाग), दूरसंचार विभाग
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