

Monthly Telecom Scenario

September'23

Economic Research Unit
Department of
Telecommunications
Government of India

Overview

The following table gives a summary of the sector's performance for September'23 vis-à-vis last month (August'23) and September'22:

	Total	Wireline	Wireless	Rural	Urban	Public	Private
	Telephones (In million)						
September'22	1171.77	26.43	1145.34	520.07	651.70	121.69	1050.08
August'23	1178.27	29.86	1148.40	521.09	657.18	106.25	1072.02
September'23	1180.19	30.07	1150.12	521.98	658.21	103.83	1076.36
	%age Share						
September'22		2.26%	97.74%	44.38%	55.62%	10.38%	89.62%
August'23		2.53%	97.47%	44.22%	55.78%	9.02%	90.98%
September'23		2.55%	97.45%	44.23%	55.77%	8.80%	91.20%
	Teledensity (Telephones per 100 persons)						
September'22	84.85	1.91	82.94	57.91	134.94	8.81	76.04
July'23	84.62	2.14	82.48	57.81	133.85	7.63	76.99
September'23	84.70	2.16	82.54	57.89	133.86	7.45	77.25
	Increase/Decrease in Telephones (In million)						
September'23 vis-à-vis September'22	8.42	3.64	4.78	1.91	6.51	-17.86	26.28
September'23 vis-à-vis August'23	1.92	0.20	1.72	0.89	1.03	-2.42	4.34

Teledensity: Top five service area		September'23	August'23	September'22
Kerala	(%)	122.40	122.61	123.02
Himachal Pradesh		121.07	120.98	133.29
Punjab		113.36	113.58	115.66
Tamil Nadu		102.27	101.83	102.49
Karnataka		101.25	101.79	101.71
Teledensity: Metros				
Delhi	(%)	275.45	273.86	269.44
Kolkata		137.35	137.42	141.14
Mumbai		131.25	131.42	136.00

Broadband figures for August'23 & July'23 are 876.53million & 868.20 million respectively.



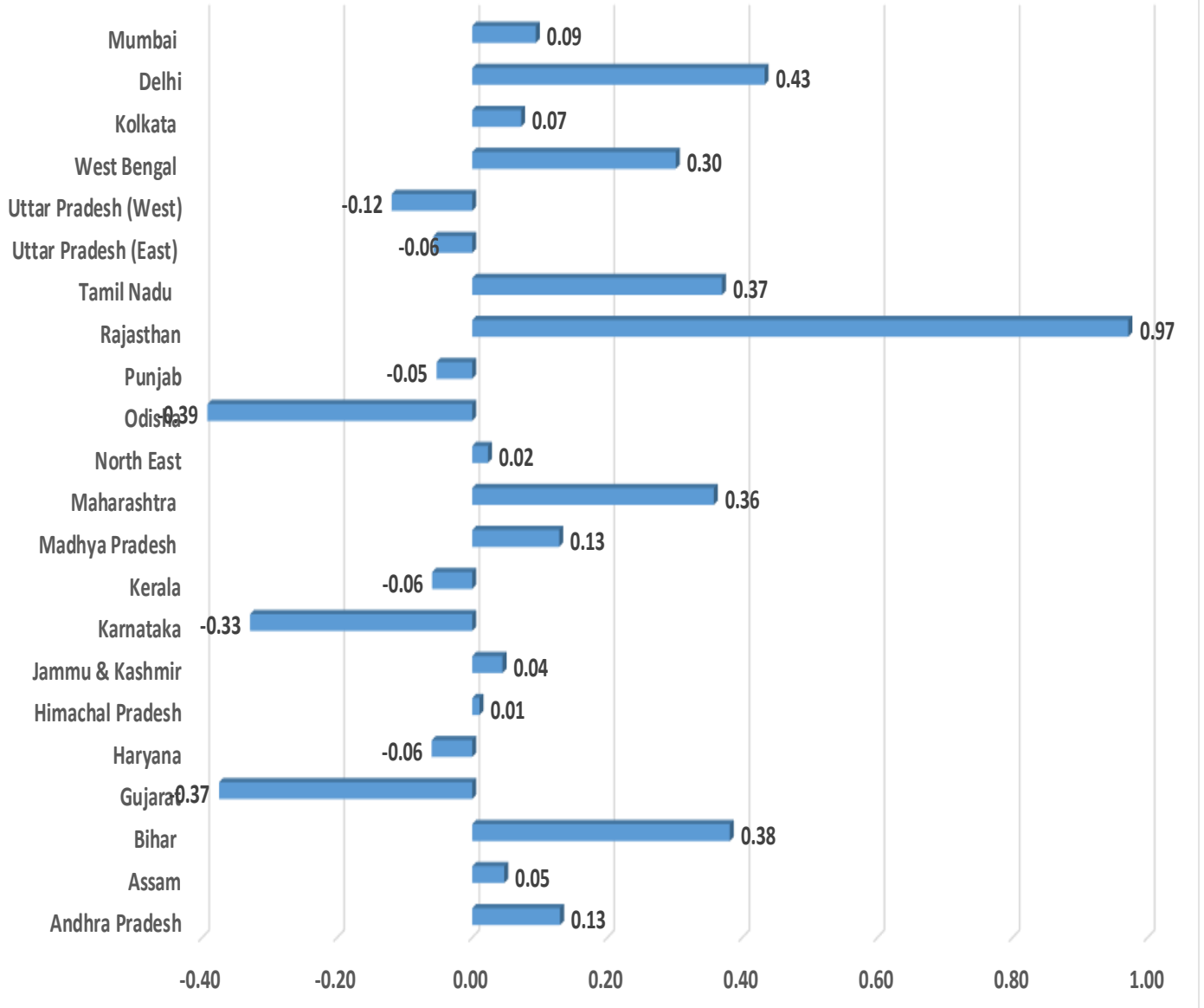
At the end of September'23, the total number of telephones was 1180.19 million, compared to 1178.27 million by the end of August'23, showing an increase of 1.92 million.



Maximum rise in total telephone connections was recorded in Rajasthan (971481) followed by Delhi (432986) and Bihar (381391). However, Odisha, and Gujarat recorded a maximum fall in telephone connections over previous month.

Total Telephones: Service Area-wise (in million)								
Service Area	March'22	March'23	April'23	May'23	June'23	July'23	August'23	September'23
Andhra Pradesh	85.12	84.91	85.04	85.17	84.93	84.68	84.67	84.80
Assam	24.25	25.28	25.43	25.49	25.49	25.57	25.77	25.82
Bihar	86.76	91.92	92.48	92.76	93.20	93.59	93.43	93.81
Gujarat	68.36	67.44	67.62	67.56	67.51	67.57	67.77	67.40
Haryana	27.56	27.10	27.04	26.96	26.98	27.04	26.91	26.85
Himachal Pradesh	10.29	8.94	8.91	8.93	8.94	9.00	9.06	9.07
Jammu & Kashmir	12.23	12.37	12.40	12.49	12.59	12.71	12.60	12.64
Karnataka	67.37	69.02	68.81	68.59	68.93	69.27	69.12	68.79
Kerala	44.69	43.79	43.64	43.59	43.68	43.79	44.04	43.98
Madhya Pradesh	77.79	77.99	78.24	78.36	78.56	78.85	78.99	79.12
Maharashtra	93.69	93.03	92.93	92.96	93.51	94.09	94.53	94.88
North East	12.08	12.56	12.57	12.57	12.52	12.55	12.58	12.60
Odisha	33.12	33.55	33.63	33.74	33.83	34.00	34.05	33.66
Punjab	37.67	36.88	36.69	36.61	36.56	36.54	36.42	36.37
Rajasthan	63.88	64.43	64.59	64.81	64.65	64.72	65.47	66.45
Tamil Nadu	81.15	81.25	81.30	80.62	79.48	79.77	80.08	80.45
Uttar Pradesh (East)	101.16	100.19	100.41	100.33	100.97	101.06	101.24	101.18
Uttar Pradesh (West)	64.69	63.49	63.07	63.18	63.18	63.32	63.30	63.18
West Bengal	56.75	57.15	56.98	56.85	56.94	57.13	57.06	57.36
Kolkata	24.67	24.95	24.95	24.88	24.88	24.84	24.91	24.98
Delhi	56.20	58.51	58.53	58.38	58.39	58.54	59.03	59.46
Mumbai	37.36	37.57	37.24	37.40	37.23	37.27	37.23	37.33
All- India	1166.84	1172.32	1172.51	1172.26	1172.94	1175.90	1178.27	1180.19
Source: TSPs								

Service Area-wise Increase/Decrease from August'23 to September'23 (in million)



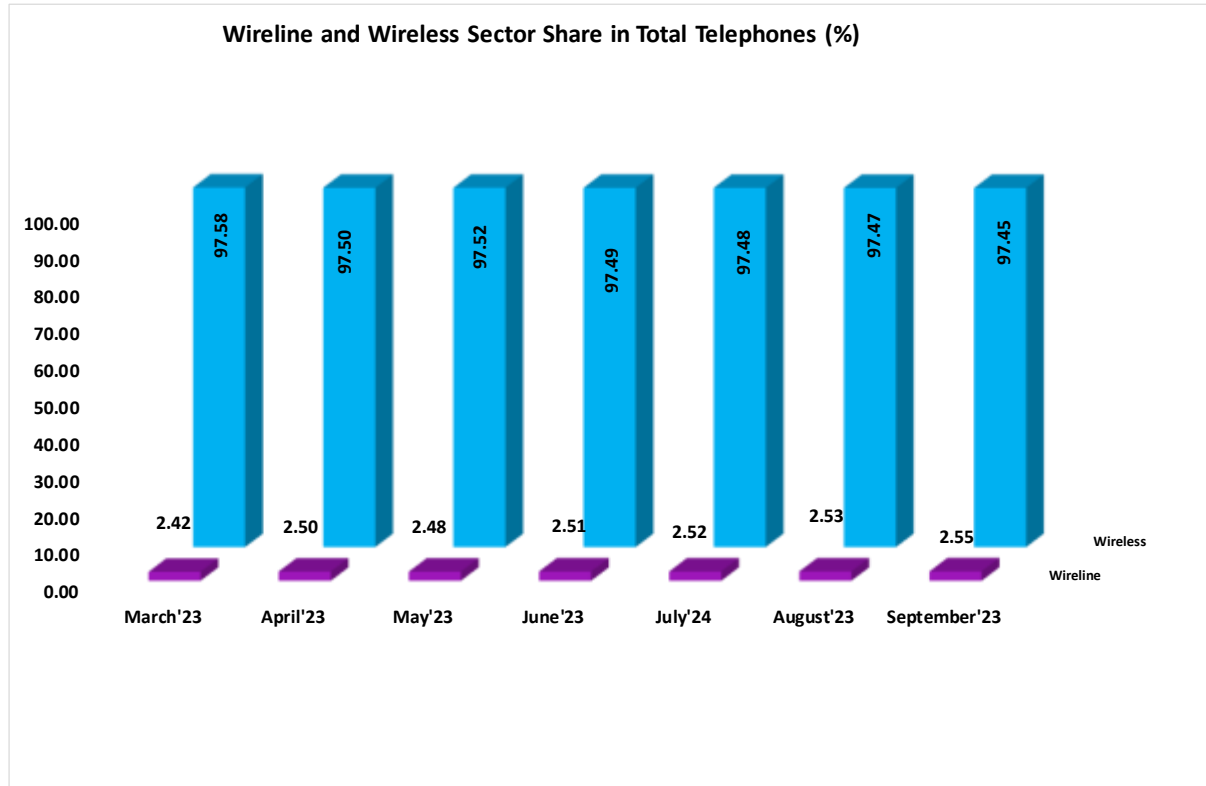


Service area-wise analysis reveals that Uttar Pradesh (East) had the highest share in the total telephones (8.57%) followed by Maharashtra (8.04%), Bihar (7.95%), Andhra Pradesh (7.19%) and Tamil Nadu (6.82%). These five Service areas taken together accounted for 38.56% of total telephone connections in India.

Telephones during the month of September'23 (in million)				
Service Area	Wireline	Wireless	Total	Share (%) of
Andhra Pradesh	2.63	82.17	84.80	7.19
Assam	0.30	25.51	25.82	2.19
Bihar	0.77	93.04	93.81	7.95
Gujarat	1.37	66.03	67.40	5.71
Haryana	0.51	26.34	26.85	2.28
Himachal Pradesh	0.15	8.91	9.07	0.77
Jammu & Kashmir	0.38	12.26	12.64	1.07
Karnataka	3.13	65.66	68.79	5.83
Kerala	1.40	42.58	43.98	3.73
Madhya Pradesh	1.50	77.62	79.12	6.70
Maharashtra	1.52	93.37	94.88	8.04
North East	0.23	12.37	12.60	1.07
Odisha	0.45	33.21	33.66	2.85
Punjab	1.36	35.01	36.37	3.08
Rajasthan	0.92	65.53	66.45	5.63
Tamil Nadu	2.78	77.67	80.45	6.82
Uttar Pradesh (East)	0.84	100.34	101.18	8.57
Uttar Pradesh (West)	0.87	62.31	63.18	5.35
West Bengal	0.47	56.89	57.36	4.86
Kolkata	0.95	24.03	24.98	2.12
Delhi	4.07	55.39	59.46	5.04
Mumbai	3.45	33.88	37.33	3.16
All- India	30.07	1150.12	1180.19	100.00
<i>Source: TSPs</i>				

Wireless vs. Wireline

- ☞ The share of wireless segment in total connections stood at 97.45% by the end of September'23, while the share of wireline telephones was 2.55%.

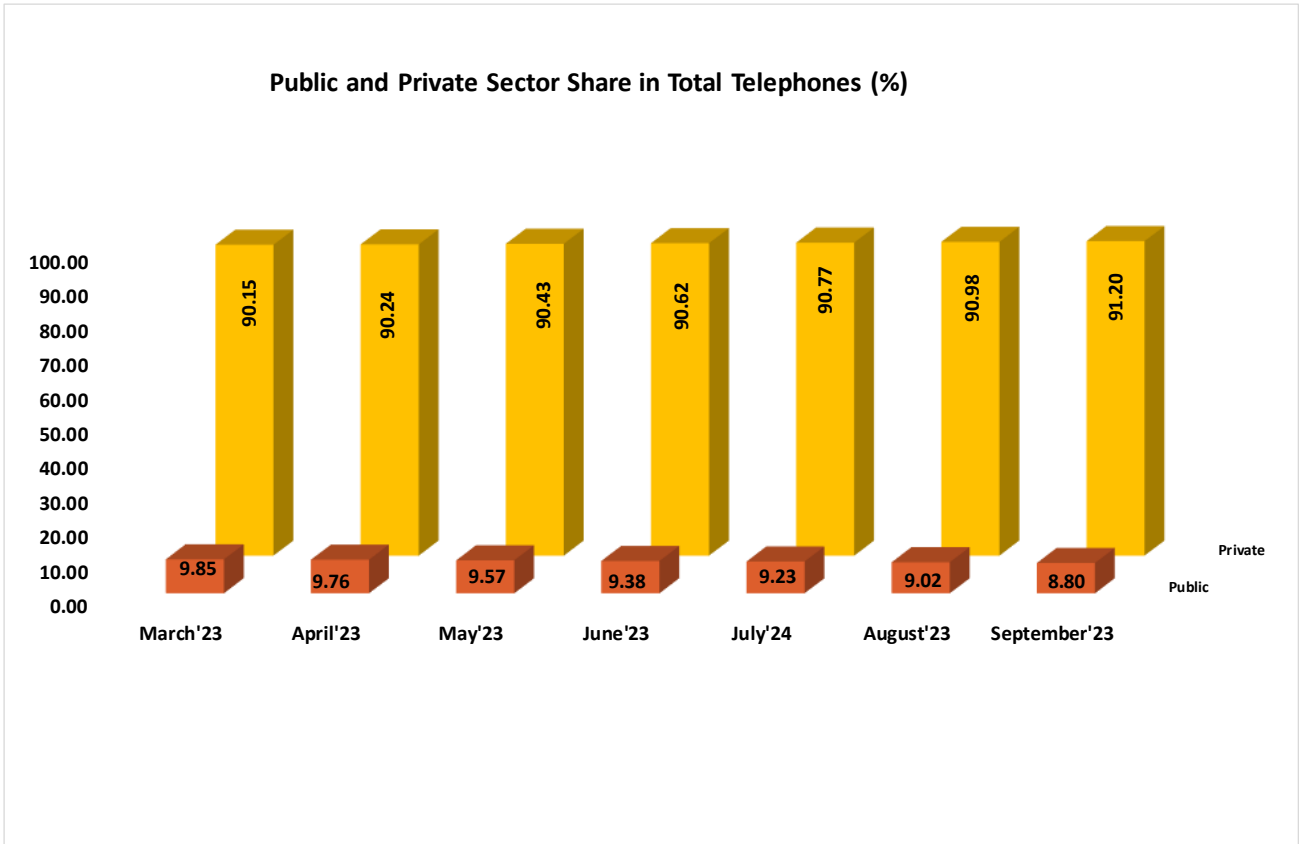


Telephones: Wireline vs Wireless

At the end of	Telephones (In million)			Additions	Share (%)		Growth (%) over previous month		
	Wireline	Wireless	Total		Wireline	Wireless	Wireline	Wireless	Total
March'23	28.36	1143.96	1172.32	2.47	2.42	97.58	1.58	0.18	0.21
2023-24									
April'23	29.34	1143.17	1172.51	0.19	2.50	97.50	3.44	-0.07	0.02
May'23	29.10	1143.16	1172.26	-0.25	2.48	97.52	-0.79	0.00	-0.02
June'23	29.40	1143.54	1172.94	0.68	2.51	97.49	1.01	0.03	0.06
July'24	29.69	1146.21	1175.90	2.96	2.52	97.48	0.99	0.23	0.25
August'23	29.86	1148.40	1178.27	2.37	2.53	97.47	0.58	0.19	0.20
September'23	30.07	1150.12	1180.19	1.92	2.55	97.45	0.68	0.15	0.16

Public vs. Private

In September'23, share of public sector in total telephones was 8.80%, as against 91.20% of the private sector. In August'23, it was 9.02% and 90.98% respectively.

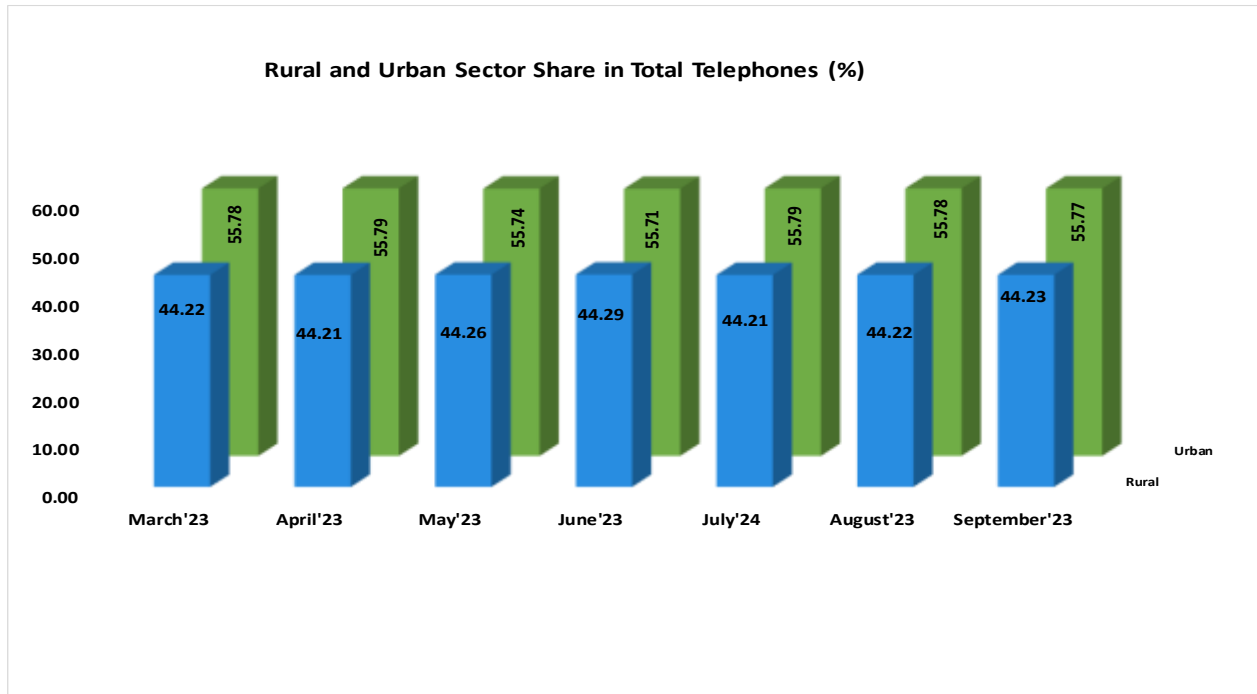


Telephones: Public vs. Private

At the end of	Telephones (In million)			Additions		Share (%)		Growth (%) over previous month	
	Public	Private	Total	Public	Private	Public	Private	Public	Private
March'23	115.44	1056.89	1172.32	-0.84	3.31	9.85	90.15	-0.72	0.31
2023-24									
April'23	114.42	1058.09	1172.51	-1.02	1.21	9.76	90.24	-0.89	0.11
May'23	112.15	1060.11	1172.26	-2.27	2.02	9.57	90.43	-1.98	0.19
June'23	110.07	1062.87	1172.94	-2.08	2.76	9.38	90.62	-1.86	0.26
July'24	108.58	1067.32	1175.90	-1.48	4.45	9.23	90.77	-1.35	0.42
August'23	106.25	1072.02	1178.27	-2.34	4.70	9.02	90.98	-2.15	0.44
September'23	103.83	1076.36	1180.19	-2.42	4.34	8.80	91.20	-2.28	0.40

Rural vs. Urban

☞ Share of rural areas in total telephones stands 44.23% in September'23 against 44.22% of August'23, similarly share of urban areas stands 55.77% in September'23 against 55.78% of August'23.



Telephones: Rural vs. Urban

At the end of	Telephones (In million)			Additions		Share (%)		Growth (%) over previous month	
	Rural	Urban	Total	Rural	Urban	Rural	Urban	Rural	Urban
March'23	518.42	653.90	1172.32	1.86	0.61	44.22	55.78	0.36	0.09
2023-24									
April'23	518.40	654.11	1172.51	-0.03	0.21	44.21	55.79	-0.01	0.03
May'23	518.88	653.38	1172.26	0.49	-0.74	44.26	55.74	0.09	-0.11
June'23	519.55	653.39	1172.94	0.66	0.02	44.29	55.71	0.13	0.00
July'24	519.83	656.07	1175.90	0.29	2.68	44.21	55.79	0.06	0.41
August'23	521.09	657.18	1178.27	1.25	1.11	44.22	55.78	0.24	0.17
September'23	521.98	658.21	1180.19	0.89	1.03	44.23	55.77	0.17	0.16

Teledensity

☞ The overall tele-density at the end of September'23 stood at 84.70% as against 84.62% in July'23. Among the Service areas, Kerala (122.40%) had the highest tele-density followed by Himachal Pradesh (121.07%), Punjab (113.36%), Tamil Nadu (102.27%) and Karnataka (101.25%). Among the three metros, Delhi Service Area topped in tele-density with 275.45%, followed by Kolkata (137.35%) and Mumbai (131.25%).

Tele-density: Service Area-wise (in million)								
Service Area	March'22	March'23	April'23	May'23	June'23	July'23	August'23	September'23
Andhra Pradesh	93.63	93.02	93.14	93.25	92.96	92.64	92.61	92.72
Assam	68.50	70.72	71.09	71.22	71.16	71.31	71.82	71.90
Bihar	52.88	55.23	55.50	55.61	55.81	55.98	55.82	55.98
Gujarat	95.08	92.58	92.73	92.54	92.37	92.35	92.53	91.92
Haryana	92.24	89.61	89.33	88.98	88.94	89.06	88.55	88.26
Himachal Pradesh	138.44	119.69	119.24	119.45	119.57	120.22	120.98	121.07
Jammu & Kashmir	88.55	88.94	89.11	89.68	90.33	91.15	90.28	90.55
Karnataka	100.10	101.91	101.55	101.17	101.61	102.06	101.79	101.25
Kerala	125.15	122.13	121.66	121.50	121.69	121.97	122.61	122.40
Madhya Pradesh	67.35	66.73	66.88	66.91	67.02	67.20	67.26	67.30
Maharashtra	93.35	92.80	92.72	92.78	93.35	93.95	94.41	94.80
North East	77.35	79.71	79.66	79.62	79.21	79.38	79.49	79.58
Odisha	74.99	75.74	75.89	76.12	76.30	76.68	76.77	75.87
Punjab	118.57	115.32	114.68	114.36	114.13	114.01	113.58	113.36
Rajasthan	79.62	79.45	79.58	79.77	79.51	79.52	80.38	81.50
Tamil Nadu	103.69	103.46	103.50	102.61	101.13	101.47	101.83	102.27
Uttar Pradesh (East)	67.68	66.12	65.99	65.94	66.15	66.18	66.19	66.07
Uttar Pradesh (West)								
West Bengal	68.77	69.35	69.16	69.03	69.16	69.41	69.33	69.72
Kolkata	143.38	140.09	139.61	138.70	138.20	137.54	137.42	137.35
Delhi	267.64	273.53	273.18	272.09	271.70	272.00	273.86	275.45
Mumbai	139.96	135.17	133.49	133.54	132.43	132.07	131.42	131.25
All- India	84.87	84.51	84.46	84.38	84.36	84.51	84.62	84.70

Note: No separate population data is available for UP(W); so UP(E) and UP(W) have been clubbed together to show the figure for UP.



The teledensity for wireless segment was 82.54% whereas that of wireline segment is 2.16%. Teledensity reported in rural areas was 57.89% and that in the urban areas was 133.86%. In Public sector, teledensity was 7.45% and in Private sector, it was 77.25% for the month of September'23.

Tele-density

At the end of	Tele-density (%)						
	Rural	Urban	Overall	Wireline	Wireless	Public	Private
March'23	57.61	134.18	84.51	2.04	82.46	8.32	76.19
2023-24							
April'23	57.59	134.02	84.46	2.11	82.35	8.24	76.22
May'23	57.62	133.67	84.38	2.09	82.28	8.07	76.31
June'23	57.68	133.48	84.36	2.11	82.25	7.92	76.45
July'24	57.69	133.82	84.51	2.13	82.38	7.80	76.71
August'23	57.81	133.85	84.62	2.14	82.48	7.63	76.99
September'23	57.89	133.86	84.70	2.16	82.54	7.45	77.25

Internet

- ☞ The number of Internet subscribers (both broadband and narrowband put together) which was 865.90 million at the end of December'22 increased to 881.25 million by the end of March'23. The number of subscribers accessing internet via wireless phones was 847.31 million at the end of March'23. The number of wired Internet subscribers was 33.94 million at the end of March'23.

Internet Subscribers (In Million)								
Quarter ending	Quarterly Growth %	Total	Broadband	Narrowband	Rural	Urban	Wireline	Wireless
March'20	3.40%	743.19	687.44	55.75	285.97	457.22	22.42	720.77
June'20	0.79%	749.07	698.23	50.84	293.09	455.98	23.05	726.02
September'20	3.66%	776.45	726.32	50.14	302.35	474.11	24.36	752.09
December'20	2.41%	795.18	747.41	47.77	308.17	487.01	25.54	769.64
March'21	3.79%	825.30	778.09	47.21	322.77	502.53	25.99	799.31
June'21	1.02%	833.71	792.78	40.93	336.87	496.84	23.58	810.13
September'21	0.07%	834.29	794.88	39.41	336.60	497.69	24.47	809.82
December'21	-0.60%	829.30	792.09	37.21	333.10	496.20	26.58	802.72
March'22	-0.53%	824.89	788.30	36.59	331.81	493.08	27.28	797.61
June'22	1.45%	836.86	800.94	35.92	339.30	497.56	28.73	808.13
September'22	1.68%	850.95	815.93	35.02	343.82	507.13	30.82	820.13
December'22	1.76%	865.90	832.20	33.70	349.53	516.37	32.41	833.49
March'23	3.56%	881.25	846.57	34.69	357.99	523.26	33.94	847.31

- ☞ The number of Broadband subscribers was 876.53 million at the end of August'23 as compared to 868.20 million in July'23, showing an increase of 0.96%.

Broadband Subscribers in India (In Million)				
At the end of	Wired	Wireless	Total Subscribers	Growth (%)
March'22	27.25	761.05	788.30	0.63
April'22	27.83	760.94	788.77	0.06
May'22	28.10	766.58	794.68	0.75
June'22	28.71	772.23	800.94	0.79
July'22	29.47	777.95	807.42	0.81
August'22	30.37	783.57	813.94	0.81
September'22	31.09	785.14	816.24	0.28
October'22	31.35	790.14	821.49	0.64
November'22	31.83	793.55	825.38	0.47
December'22	32.35	799.82	832.17	0.82
January'23	33.11	806.07	839.18	0.84
February'23	32.82	806.51	839.33	0.02
March'23	33.49	813.08	846.57	0.86
April'23	33.89	817.04	850.93	0.52
May'23	34.47	822.34	856.81	0.69
June'23	35.10	826.37	861.47	0.54
July'23	35.70	832.5	868.20	0.78
August'23	36.41	840.12	876.53	0.96

Source: TRAI
