

# Monthly Telecom Scenario

November'22

STT Section (ERU)  
Department of  
Telecommunications  
Government of India



## Overview

The following table gives a summary of the sector's performance for November'22 vis-à-vis last month (October'22) and November'21:

	Total	Wireline	Wireless	Rural	Urban	Public	Private
<b>Telephones (In million)</b>							
<b>November'21</b>	<b>1191.03</b>	23.53	1167.49	530.81	660.22	126.87	1064.16
<b>October'22</b>	<b>1170.23</b>	26.77	1143.46	520.24	649.99	121.04	1049.19
<b>November'22</b>	<b>1170.10</b>	27.09	1143.01	518.28	651.82	119.88	1050.21
<b>%age Share</b>							
<b>November'21</b>		1.98%	98.02%	44.57%	55.43%	10.65%	89.35%
<b>October'22</b>		2.29%	97.71%	44.46%	55.54%	10.34%	89.66%
<b>November'22</b>		2.31%	97.69%	44.29%	55.71%	10.25%	89.75%
<b>Teledensity (Telephones per 100 persons)</b>							
<b>November'21</b>	<b>86.89</b>	1.72	85.18	59.31	138.79	9.26	77.64
<b>October'22</b>	<b>84.67</b>	1.94	82.74	57.91	134.38	8.76	75.92
<b>November'22</b>	<b>84.60</b>	1.96	82.64	57.67	134.56	8.67	75.93
<b>Increase/Decrease in Telephones (In million)</b>							
<b>November'22 vis-à-vis November'21</b>	<b>-20.93</b>	3.56	-24.48	-12.53	-8.40	-6.99	-13.95
<b>November'22 vis-à-vis October'22</b>	<b>-0.13</b>	0.31	-0.45	-1.96	1.83	-1.16	1.03

Teledensity: Top five service area		November'22	October'22	November'21
Himachal Pradesh	(%)	132.81	133.29	142.49
Kerala		122.51	123.02	127.98
Punjab		115.49	115.66	122.97
Tamil Nadu		102.97	102.49	107.08
Karnataka		102.48	101.71	102.89
<b>Teledensity: Metros</b>				
Delhi	(%)	270.62	269.44	269.57
Kolkata		140.76	141.14	148.23
Mumbai		135.33	136.00	145.26

Broadband figures for November'22, October'22 & November'21 are 825.38 million, 821.49 million & 801.61 million respectively.



At the end of November'22, the total number of telephones was 1170.10 million, compared to 1170.23 million by the end of October'22, showing a decrease of 0.13 million.

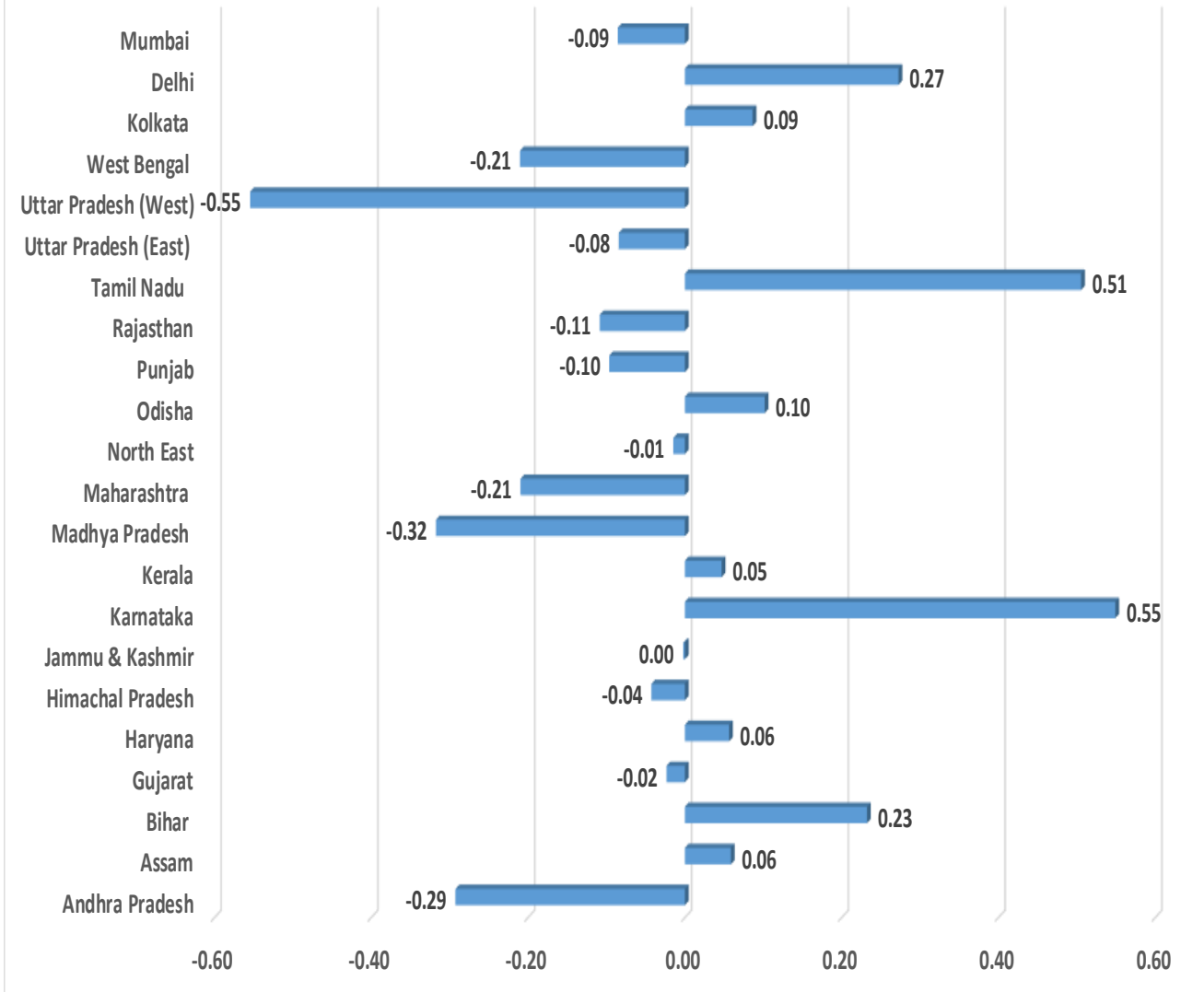
☞ Maximum rise in total telephone connections was recorded in Karnataka (549100) followed by Tamil Nadu (505388) and Bihar (232197). However, Mumbai, Kolkata and Delhi recorded a maximum fall in telephone connections over previous month.

**Total Telephones: Service Area-wise (in million)**

Service Area	March'22	April'22	May'22	June'22	July'22	August'22	September'22	October'22	November'22
Andhra Pradesh	85.12	84.93	85.19	85.28	85.25	85.45	84.87	84.90	84.60
Assam	24.25	24.40	24.38	24.35	24.55	24.62	24.69	24.79	24.85
Bihar	86.76	87.39	88.36	89.42	90.17	90.97	91.49	91.60	91.83
Gujarat	68.36	68.39	68.48	68.47	68.34	68.24	67.70	67.42	67.39
Haryana	27.56	27.62	27.00	27.48	27.18	27.06	27.14	27.11	27.17
Himachal Pradesh	10.29	10.26	10.05	9.91	9.93	9.92	9.93	9.95	9.91
Jammu & Kashmir	12.23	12.40	12.56	12.05	12.21	12.31	12.39	12.39	12.39
Karnataka	67.37	67.62	67.86	67.99	68.21	68.29	68.67	68.71	69.26
Kerala	44.69	44.52	44.34	44.20	44.14	44.09	44.02	43.82	43.87
Madhya Pradesh	77.79	77.65	78.17	78.38	78.61	78.74	77.96	77.71	77.39
Maharashtra	93.69	92.91	93.19	93.75	93.77	93.63	93.15	92.87	92.66
North East	12.08	12.20	12.24	12.15	12.22	12.28	12.32	12.34	12.33
Odisha	33.12	32.91	33.16	33.15	33.26	33.36	33.43	33.50	33.60
Punjab	37.67	37.27	37.34	37.36	37.39	37.37	36.87	36.95	36.85
Rajasthan	63.88	63.58	63.78	63.87	64.04	64.20	64.11	63.84	63.73
Tamil Nadu	81.15	81.24	81.33	81.29	80.64	80.50	80.35	80.27	80.77
Uttar Pradesh (East)	101.16	101.56	102.15	102.33	102.19	102.28	101.42	101.06	100.97
Uttar Pradesh (West)	64.69	64.71	65.08	65.12	65.28	65.24	64.90	64.61	64.06
West Bengal	56.75	57.24	57.11	57.36	57.62	57.76	57.53	57.26	57.05
Kolkata	24.67	24.77	24.57	24.59	24.80	24.74	24.70	24.69	24.78
Delhi	56.20	56.59	56.68	56.96	56.59	56.82	57.11	57.26	57.54
Mumbai	37.36	37.57	37.58	37.37	37.10	37.07	37.04	37.18	37.10
<b>All- India</b>	<b>1166.84</b>	<b>1167.72</b>	<b>1170.62</b>	<b>1172.81</b>	<b>1173.51</b>	<b>1174.94</b>	<b>1171.77</b>	<b>1170.23</b>	<b>1170.10</b>

Source: TSPs

### Service Area-wise Increase/Decrease from October'22 to November'22 (in million)



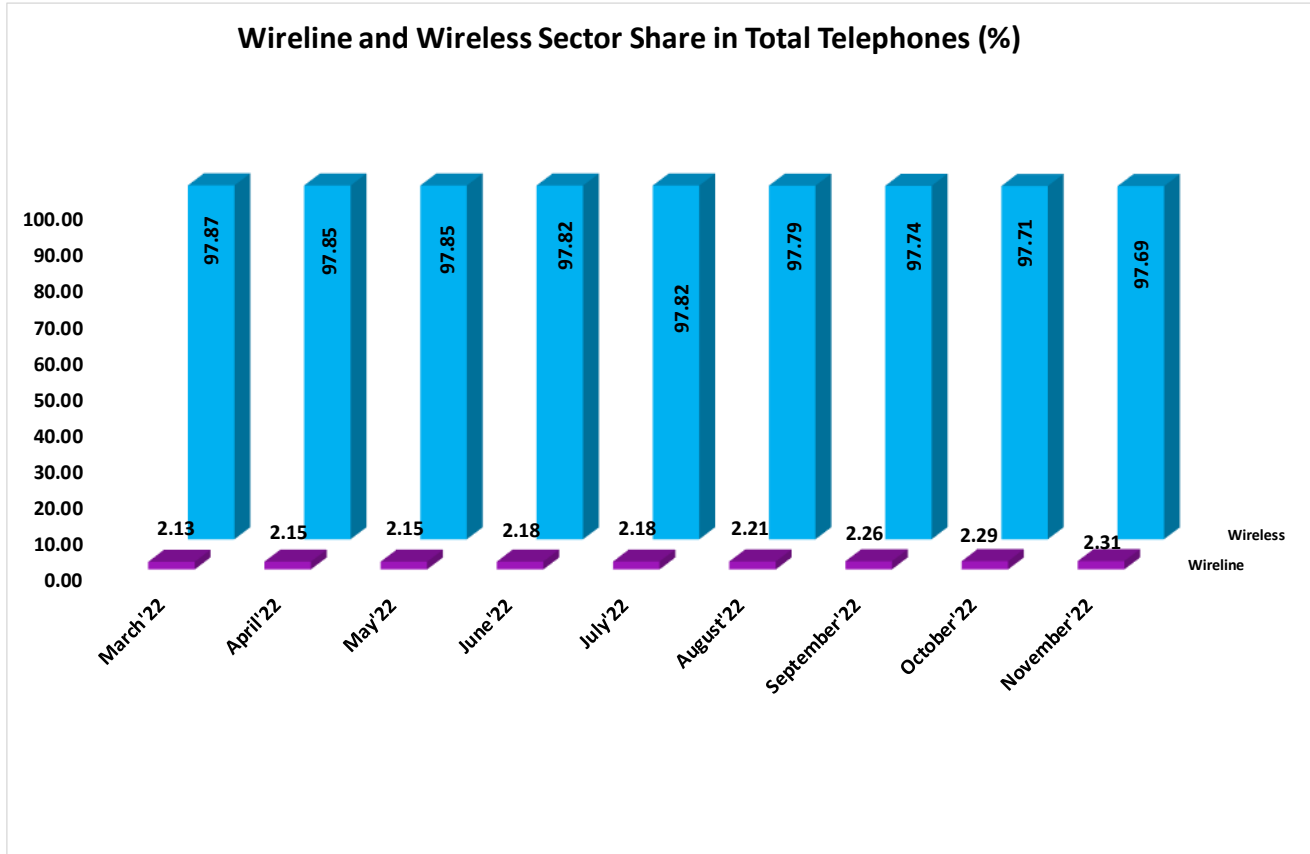


Service area-wise analysis reveals that Uttar Pradesh (East) had the highest share in the total telephones (8.63%) followed by Maharashtra (7.92%), Bihar (7.85%), Andhra Pradesh (7.23%) and Tamil Nadu (6.90%). These five Service areas taken together accounted for 38.53% of total telephone connections in India.

<b>Telephones during the month of November'22 (in million)</b>				
<b>Service Area</b>	<b>Wireline</b>	<b>Wireless</b>	<b>Total</b>	<b>Share (%) of</b>
Andhra Pradesh	2.27	82.33	<b>84.60</b>	7.23
Assam	0.26	24.59	<b>24.85</b>	2.12
Bihar	0.61	91.22	<b>91.83</b>	7.85
Gujarat	1.14	66.26	<b>67.39</b>	5.76
Haryana	0.41	26.76	<b>27.17</b>	2.32
Himachal Pradesh	0.14	9.77	<b>9.91</b>	0.85
Jammu & Kashmir	0.33	12.06	<b>12.39</b>	1.06
Karnataka	2.99	66.27	<b>69.26</b>	5.92
Kerala	1.34	42.53	<b>43.87</b>	3.75
Madhya Pradesh	1.21	76.18	<b>77.39</b>	6.61
Maharashtra	1.44	91.23	<b>92.66</b>	7.92
North East	0.20	12.13	<b>12.33</b>	1.05
Odisha	0.37	33.23	<b>33.60</b>	2.87
Punjab	1.09	35.76	<b>36.85</b>	3.15
Rajasthan	0.79	62.94	<b>63.73</b>	5.45
Tamil Nadu	2.52	78.25	<b>80.77</b>	6.90
Uttar Pradesh (East)	0.69	100.29	<b>100.97</b>	8.63
Uttar Pradesh (West)	0.70	63.35	<b>64.06</b>	5.47
West Bengal	0.46	56.59	<b>57.05</b>	4.88
Kolkata	0.83	23.94	<b>24.78</b>	2.12
Delhi	4.06	53.47	<b>57.54</b>	4.92
Mumbai	3.21	33.89	<b>37.10</b>	3.17
<b>All- India</b>	<b>27.09</b>	<b>1143.01</b>	<b>1170.10</b>	<b>100.00</b>
<i>Source: TSPs</i>				

## Wireless vs. Wireline

- The share of wireless segment in total connections stood at 97.69% by the end of November'22, while the share of wireline telephones was 2.31%.

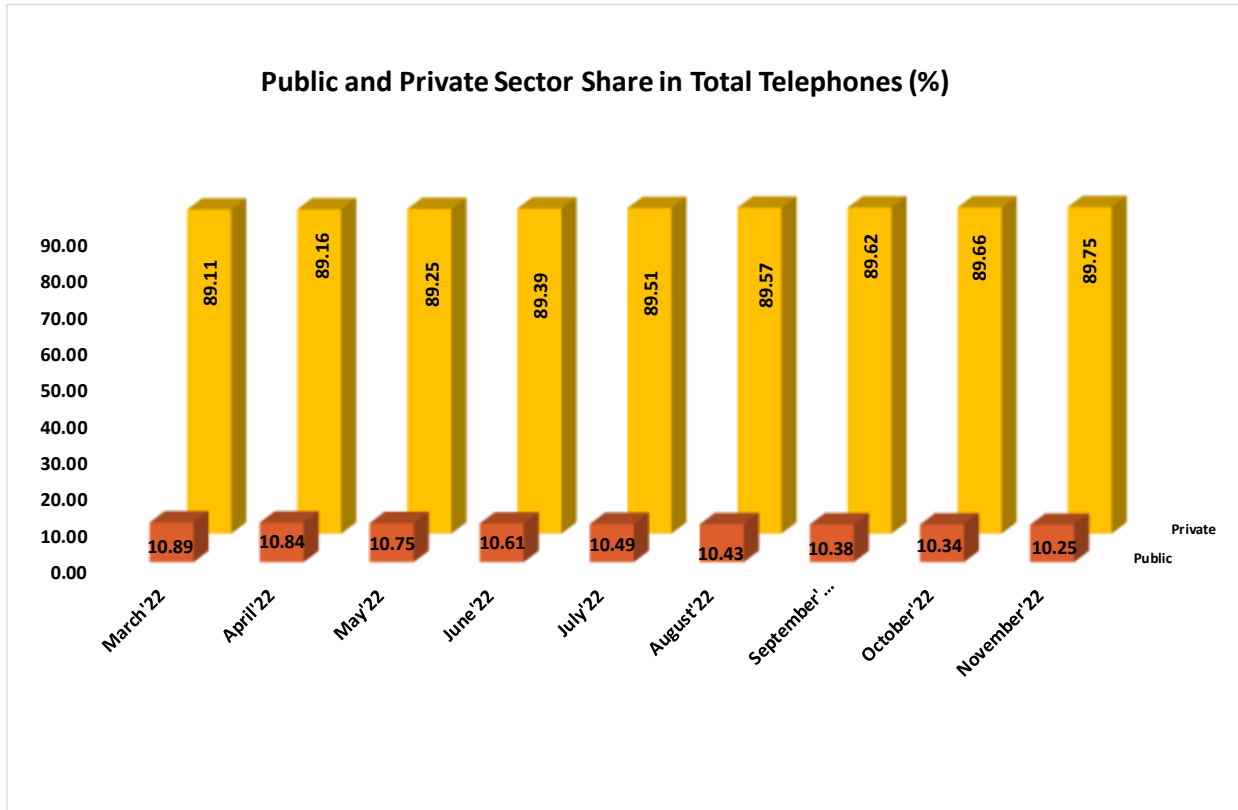


## Telephones: Wireline vs Wireless

At the end of	Telephones (In million)			Additions	Share (%)		Growth (%) over previous month		
	Wireline	Wireless	Total		Wireline	Wireless	Wireline	Wireless	Total
March'22	24.82	1142.02	<b>1166.84</b>	0.79	2.13	97.87	1.31	0.04	0.07
<b>2022-23</b>									
April'22	25.14	1142.57	<b>1167.72</b>	0.87	2.15	97.85	1.29	0.05	0.07
May'22	25.21	1145.40	<b>1170.62</b>	2.90	2.15	97.85	0.28	0.25	0.25
June'22	25.52	1147.29	<b>1172.81</b>	2.19	2.18	97.82	1.21	0.16	0.19
July'22	25.57	1147.93	<b>1173.51</b>	0.69	2.18	97.82	0.22	0.06	0.06
August'22	25.92	1149.02	<b>1174.94</b>	1.43	2.21	97.79	1.36	0.09	0.12
September'22	26.43	1145.34	<b>1171.77</b>	-3.17	2.26	97.74	1.94	-0.32	-0.27
October'22	26.77	1143.46	<b>1170.23</b>	-1.54	2.29	97.71	1.31	-0.16	-0.13
November'22	27.09	1143.01	<b>1170.10</b>	-0.13	2.31	97.69	1.17	-0.04	-0.01

Public vs. Private

☞ In November'22, share of public sector in total telephones was 10.25%, as against 89.75% of the private sector. In October'22 , it was 10.34% and 89.66% respectively.



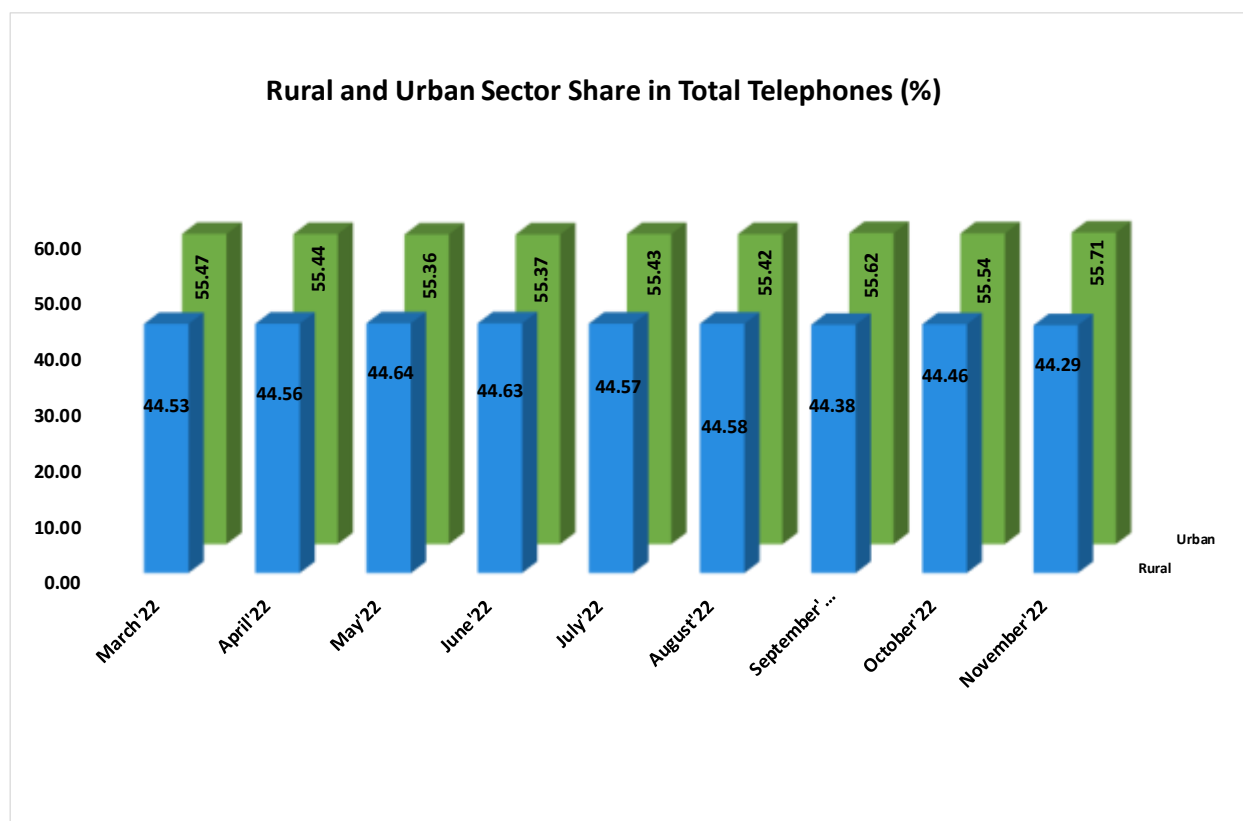
**Telephones: Public vs. Private**

At the end of	Telephones (In million)			Additions		Share (%)		Growth (%) over previous month	
	Public	Private	Total	Public	Private	Public	Private	Public	Private
March'22	127.10	1039.74	<b>1166.84</b>	-0.31	1.10	10.89	89.11	-0.25	0.11
<b>2022-23</b>									
April'22	126.63	1041.09	<b>1167.72</b>	-0.47	1.35	10.84	89.16	-0.37	0.13
May'22	125.86	1044.76	<b>1170.62</b>	-0.77	3.67	10.75	89.25	-0.61	0.35
June'22	124.48	1048.33	<b>1172.81</b>	-1.38	3.57	10.61	89.39	-1.09	0.34
July'22	123.13	1050.38	<b>1173.51</b>	-1.35	2.05	10.49	89.51	-1.09	0.20
August'22	122.54	1052.40	<b>1174.94</b>	-0.59	2.03	10.43	89.57	-0.48	0.19
September'22	121.69	1050.08	<b>1171.77</b>	-0.85	-2.32	10.38	89.62	-0.69	-0.22
October'22	121.04	1049.19	<b>1170.23</b>	-0.64	-0.90	10.34	89.66	-0.53	-0.09
November'22	119.88	1050.21	<b>1170.10</b>	-1.16	1.03	10.25	89.75	-0.96	0.10



## Rural vs. Urban

- ☞ Share of rural areas in total telephones stands 44.29% in November'22 against 44.46% of October'22, similarly share of urban areas stands 55.71% in November'22 against 55.54% of October'22 .



**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
<b>March'22</b>	519.63	647.21	<b>1166.84</b>	1.49	-0.71	44.53	55.47	0.29	-0.11
<b>2022-23</b>									
<b>April'22</b>	520.37	647.35	<b>1167.72</b>	0.74	0.13	44.56	55.44	0.14	0.02
<b>May'22</b>	522.52	648.10	<b>1170.62</b>	2.15	0.75	44.64	55.36	0.41	0.12
<b>June'22</b>	523.45	649.36	<b>1172.81</b>	0.93	1.26	44.63	55.37	0.18	0.19
<b>July'22</b>	522.98	650.53	<b>1173.51</b>	-0.48	1.17	44.57	55.43	-0.09	0.18
<b>August'22</b>	523.75	651.19	<b>1174.94</b>	0.77	0.67	44.58	55.42	0.15	0.10
<b>September'22</b>	520.07	651.70	<b>1171.77</b>	-3.68	0.51	44.38	55.62	-0.70	0.08
<b>October'22</b>	520.24	649.99	<b>1170.23</b>	0.18	-1.72	44.46	55.54	0.03	-0.26
<b>November'22</b>	518.28	651.82	<b>1170.10</b>	-1.96	1.83	44.29	55.71	-0.38	0.28

## Teledensity

- ☞ The overall tele-density at the end of November'22 stood at 84.60% as against 84.67% in October'22. Among the Service areas, Himachal Pradesh (132.81%) had the highest tele-density followed by Kerala (122.51%), Punjab (115.49%), Tamil Nadu (102.97%) and Karnataka (102.48%). Among the three metros, Delhi Service Area topped in tele-density with 270.62%, followed by Kolkata (140.76%) and Mumbai (135.33%).

**Tele-density: Service Area-wise (in million)**

Service Area	March'22	April'22	May'22	June'22	July'22	August'22	September'22	October'22	November'22
Andhra Pradesh	93.63	93.39	93.65	93.72	93.65	93.84	93.17	93.17	92.81
Assam	68.50	68.87	68.76	68.60	69.12	69.26	69.41	69.63	69.74
Bihar	52.88	53.19	53.72	54.31	54.69	55.11	55.36	55.37	55.44
Gujarat	95.08	95.01	95.04	94.91	94.64	94.39	93.54	93.05	92.91
Haryana	92.24	92.36	90.19	91.71	90.60	90.10	90.28	90.10	90.20
Himachal Pradesh	138.44	137.94	135.09	133.13	133.42	133.18	133.29	133.43	132.81
Jammu & Kashmir	88.55	89.72	90.81	87.07	88.19	88.86	89.36	89.33	89.26
Karnataka	100.10	100.42	100.72	100.86	101.13	101.20	101.71	101.72	102.48
Kerala	125.15	124.62	124.08	123.63	123.44	123.24	123.02	122.42	122.51
Madhya Pradesh	67.35	67.17	67.54	67.66	67.80	67.83	67.10	66.82	66.48
Maharashtra	93.35	92.58	92.87	93.43	93.46	93.33	92.86	92.58	92.38
North East	77.35	78.03	78.27	77.60	77.97	78.28	78.51	78.59	78.43
Odisha	74.99	74.48	75.03	74.99	75.23	75.44	75.56	75.71	75.92
Punjab	118.57	117.25	117.40	117.40	117.43	117.31	115.66	115.86	115.49
Rajasthan	79.62	79.18	79.35	79.39	79.53	79.66	79.48	79.07	78.87
Tamil Nadu	103.69	103.77	103.86	103.79	102.92	102.71	102.49	102.36	102.97
Uttar Pradesh (East)	67.68	67.80	68.13	68.16	68.12	68.08	67.53	67.21	66.90
Uttar Pradesh (West)									
West Bengal	68.77	69.37	69.22	69.53	69.85	70.03	69.76	69.43	69.19
Kolkata	143.38	143.56	142.00	141.68	142.50	141.78	141.14	140.66	140.76
Delhi	267.64	269.07	269.09	269.98	267.85	268.50	269.44	269.76	270.62
Mumbai	139.96	140.27	139.84	138.57	137.13	136.58	136.00	136.09	135.33
<b>All- India</b>	<b>84.87</b>	<b>84.87</b>	<b>85.02</b>	<b>85.12</b>	<b>85.10</b>	<b>85.14</b>	<b>84.85</b>	<b>84.67</b>	<b>84.60</b>

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



The teledensity for wireless segment was 82.64% whereas that of wireline segment is 1.96%. Teledensity reported in rural areas was 57.67% and that in the urban areas was 134.56%. In Public sector, teledensity was 8.67% and in Private sector, it was 75.93% for the month of November'22.

### Tele-density

At the end of	Tele-density (%)						
	Rural	Urban	Overall	Wireline	Wireless	Public	Private
March'22	57.98	135.23	<b>84.87</b>	1.81	83.07	9.25	75.63
<b>2022-23</b>							
April'22	58.04	135.05	<b>84.87</b>	1.83	83.05	9.20	-0.13
May'22	58.26	135.01	<b>85.02</b>	1.83	83.19	9.14	-0.03
June'22	58.35	135.06	<b>85.12</b>	1.85	83.26	9.03	0.04
July'22	58.27	135.10	<b>85.10</b>	1.85	83.25	8.93	76.17
August'22	58.34	135.04	<b>85.14</b>	1.88	83.26	8.88	76.26
September'22	57.91	134.94	<b>84.85</b>	1.91	82.94	8.81	76.04
October'22	57.91	134.38	<b>84.67</b>	1.94	82.74	8.76	75.92
November'22	57.67	134.56	<b>84.60</b>	1.96	82.64	8.67	75.93

### Internet



The number of Internet subscribers (both broadband and narrowband put together) which was 824.89 million at the end of March'22 increased to 836.86 million by the end of June'22. The number of subscribers accessing internet via wireless phones was 808.13 million at the end of June'22. The number of wired Internet subscribers was 28.73 million at the end of June'22.

Internet Subscribers (In Million)								
Quarter ending	Quarterly Growth %	Total	Broadband	Narrowband	Rural	Urban	Wireline	Wireless
March'20	3.40%	<b>743.19</b>	687.44	55.75	285.97	457.22	22.42	720.77
June'20	0.79%	<b>749.07</b>	698.23	50.84	293.09	455.98	23.05	726.02
September'20	3.66%	<b>776.45</b>	726.32	50.14	302.35	474.11	24.36	752.09
December'20	2.41%	<b>795.18</b>	747.41	47.77	308.17	487.01	25.54	769.64
March'21	3.79%	<b>825.30</b>	778.09	47.21	322.77	502.53	25.99	799.31
June'21	1.02%	<b>833.71</b>	792.78	40.93	336.87	496.84	23.58	810.13
September'21	0.07%	<b>834.29</b>	794.88	39.41	336.60	497.69	24.47	809.82
December'21	-0.60%	<b>829.30</b>	792.09	37.21	333.10	496.20	26.58	802.72
March'22	-0.53%	<b>824.89</b>	788.30	36.59	331.81	493.08	27.28	797.61
June'22	1.45%	<b>836.86</b>	800.94	35.92	339.30	497.56	28.73	808.13

Source: TRAI

☞ The number of Broadband subscribers was 825.38 million at the end of November'22 as compared to 821.49 million in October'22, showing an increase of 0.47%.

<b>Broadband Subscribers in India (In Million)</b>				
<b>At the end of</b>	<b>Wired</b>	<b>Wireless</b>	<b>Total Subscribers</b>	<b>Growth (%)</b>
<b>July'21</b>	24.01	784.58	<b>808.59</b>	1.99
<b>August'21</b>	24.29	789.18	<b>813.47</b>	0.60
<b>September'21</b>	24.39	770.50	<b>794.89</b>	-2.28
<b>October'21</b>	24.55	774.40	<b>798.95</b>	0.51
<b>November'21</b>	24.42	777.19	<b>801.61</b>	0.33
<b>December'21</b>	26.43	765.65	<b>792.08</b>	-1.19
<b>January'22</b>	26.65	756.78	<b>783.43</b>	-1.09
<b>February'22</b>	26.63	756.74	<b>783.37</b>	-0.01
<b>March'22</b>	27.25	761.05	<b>788.30</b>	0.63
<b>April'22</b>	27.83	760.94	<b>788.77</b>	0.06
<b>May'22</b>	28.10	766.58	<b>794.68</b>	0.75
<b>June'22</b>	28.71	772.23	<b>800.94</b>	0.79
<b>July'22</b>	29.47	777.95	<b>807.42</b>	0.81
<b>August'22</b>	30.37	783.57	<b>813.94</b>	0.81
<b>September'22</b>	31.09	785.14	<b>816.24</b>	0.28
<b>October'22</b>	31.35	790.14	<b>821.49</b>	0.64
<b>November'22</b>	31.83	793.55	<b>825.38</b>	0.47

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