

Information Note to the Press (Press Release No. 38 /2011)

TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 13th June, 2011

For Immediate release

Website: - www.trai.gov.in

Highlights of Telecom Subscription Data as on 30th April 2011

Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers	826.93	34.55	861.48
Total Net Addition	15.34	-0.18	15.17
% of Monthly Growth	1.89%	-0.51%	1.79%
Urban Subscribers	547.42	25.94	573.36
Urban Subscribers Net Addition	9.38	-0.09	9.28
% of Monthly Growth	1.74%	-0.36%	1.65%
Rural Subscribers	279.51	8.61	288.12
Rural Subscribers Net Addition	5.97	-0.08	5.88
% of Monthly Growth	2.18%	-0.94%	2.09%
Teledensity	69.19	2.89	72.08
Urban Teledensity	152.41	7.22	159.63
Rural Teledensity	33.44	1.03	34.47
Share of Urban Subscriber	66.20%	75.08%	66.56%
Share of Rural Subscriber	33.80%	24.92%	33.44%

- ❖ **Mobile Number Portability requests has increased from 64.23 lakh subscribers at the end of March 2011 to 85.41 lakh subscribers at the end of April 2011.**
- ❖ **Active wireless subscribers in VLR in April- 2011 is 583.22 Million**
- ❖ **Broadband subscription reaches to 12.01 Million in April-2011 from 11.87 Million in March-2011**

Total Telephone Subscribers

- The number of telephone subscribers in India increased to **861.48** Million at the end of April 2011 from 846.32 Million at the end of March 2011, thereby registering a growth rate of 1.79%. The share of Urban Subscriber has marginally declined to 66.56% from 66.65% where as share of Rural

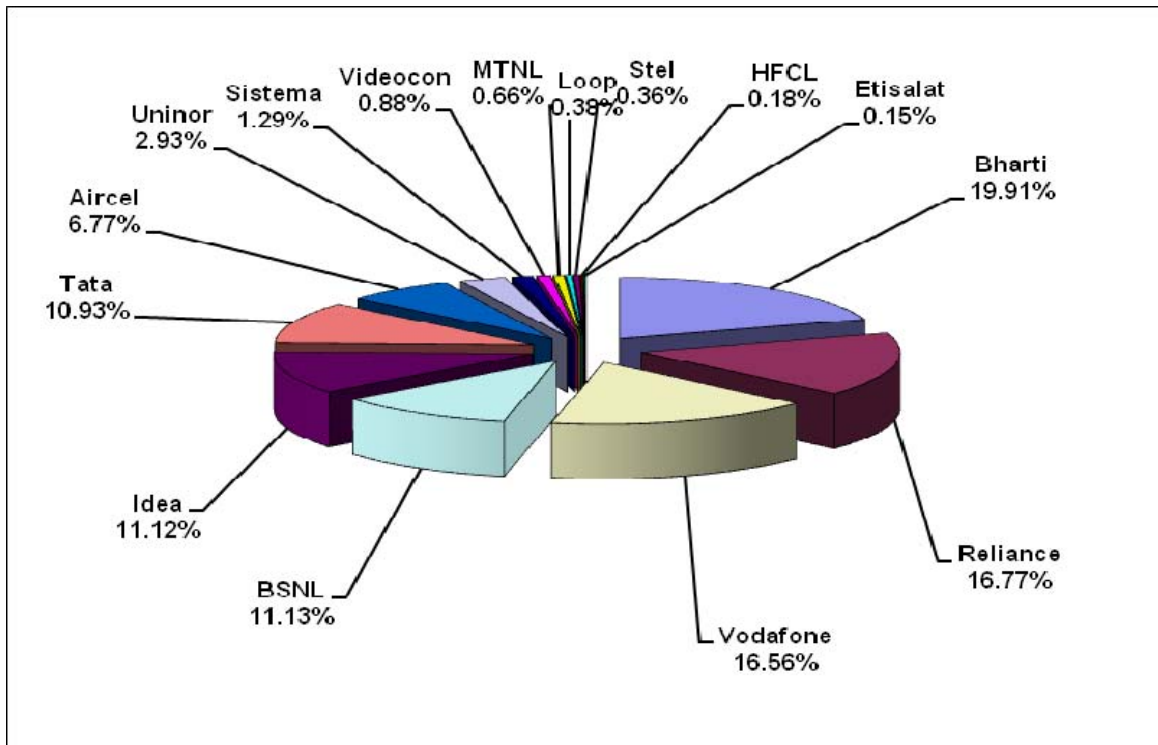
Subscribers has marginally increased from 33.35% to 33.44%. With this, ***the overall Tele-density in India reaches to 72.08 at the end of April, 2011 from 70.43 of the previous month.***

- Subscription in Urban Areas grew from 564.08 million in March 2011 to 573.36 million at the end of April 2011. Rural subscription increased from 282.23 million to 288.12 million. The growth of Rural Subscription (2.09%) is higher than the Urban Subscription (1.65%). **The overall Urban teledensity has increased from 157.32 to 159.63 and Rural teledensity increased from 33.79 to 34.47.**

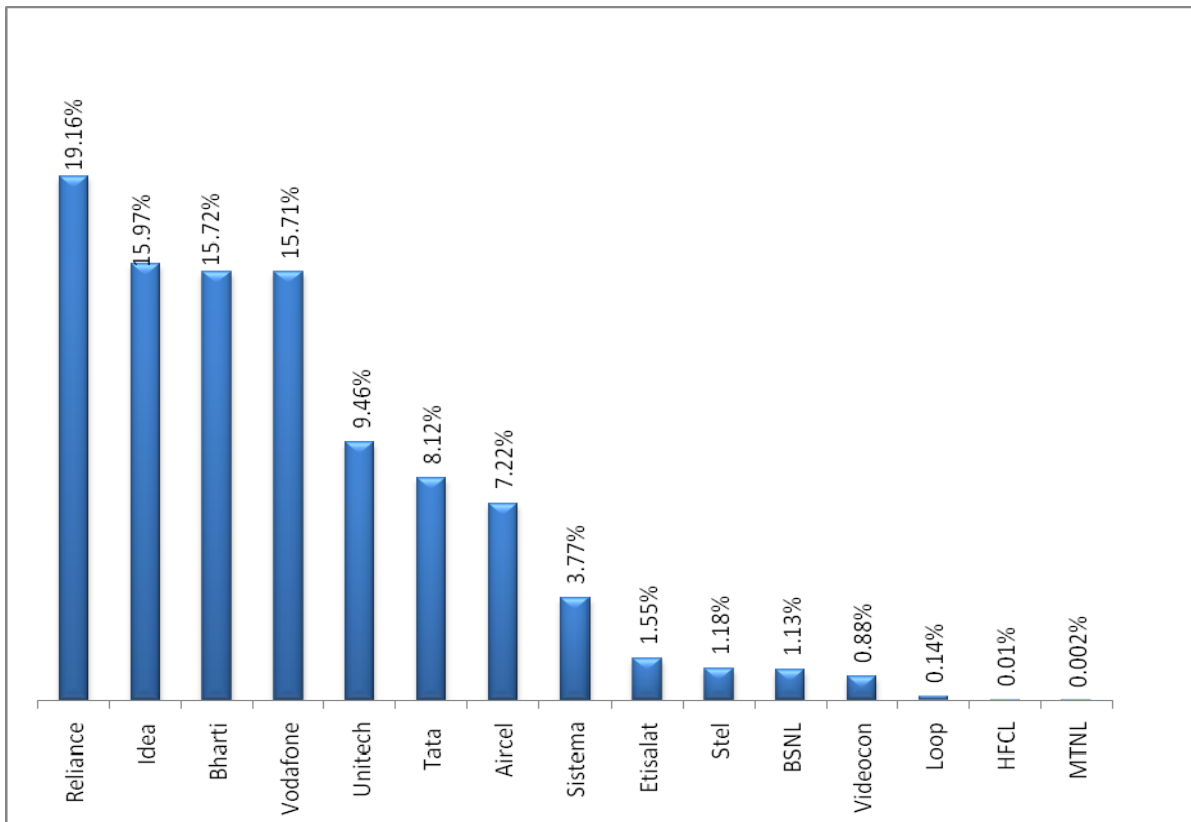
Wireless Segment (GSM, CDMA & FWP)

- Total Wireless subscriber base increased from 811.59 Million in March 2011 to 826.93 Million at the end of April 2011, registering a growth of 1.89%. The share of Urban Subscriber has marginally decreased to 66.20% from 66.30% where as share of Rural Subscribers has marginally increased from 33.70% to 33.80%. ***The overall wireless Tele-density in India reaches 69.19.***
- Wireless subscription in Urban Areas increased from 538.05 million in March 2011 to 547.42 million at the end of April 2011. Rural subscription increased from 273.54 million to 279.51 million. This shows higher growth in Rural Subscription (2.18%) than Urban Subscription (1.74%). **The Urban wireless teledensity has increased from 150.06 to 152.41 and Rural teledensity increased from 32.75 to 33.44.** Detailed statistics is at Annexure-I.
- Private operators hold 88.21% of the wireless market share where as BSNL and MTNL, two PSU operators hold only 11.79% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of April 2011 are given below:

A. Service Provider wise Market Share as on 30.04.2011



B. Service Providers' share in net additions during the month of April 2011



VLR Data

- Out of the total 826.93 Million subscribers, 583.22 Million subscribers were active subscribers on the date of Peak VLR for the month of April 2011. The total active VLR number excludes the CDMA VLR figure of BSNL, as the service provider has not provided the VLR figures corresponding to their total CDMA subscriber base of 5.44 million. The proportion of VLR subscribers is approximately 70.53 % of the total wireless subscriber base reported by the service providers. Circle-wise, Jammu & Kashmir has the highest proportion of VLR subscribers with 83.29% followed by Assam (77.43%) and Maharashtra (75.49%); Mumbai has the lowest proportion with 57.25%. Service Provider wise, Idea leads the tally with 92.92% followed by Bharti with 89.51%; Etisalat is at the bottom with 31.47%. The detailed statistics is at Annexure II & the methodology used for reporting subscriber base/active subscribers is at Annexure IV.

Mobile Number Portability

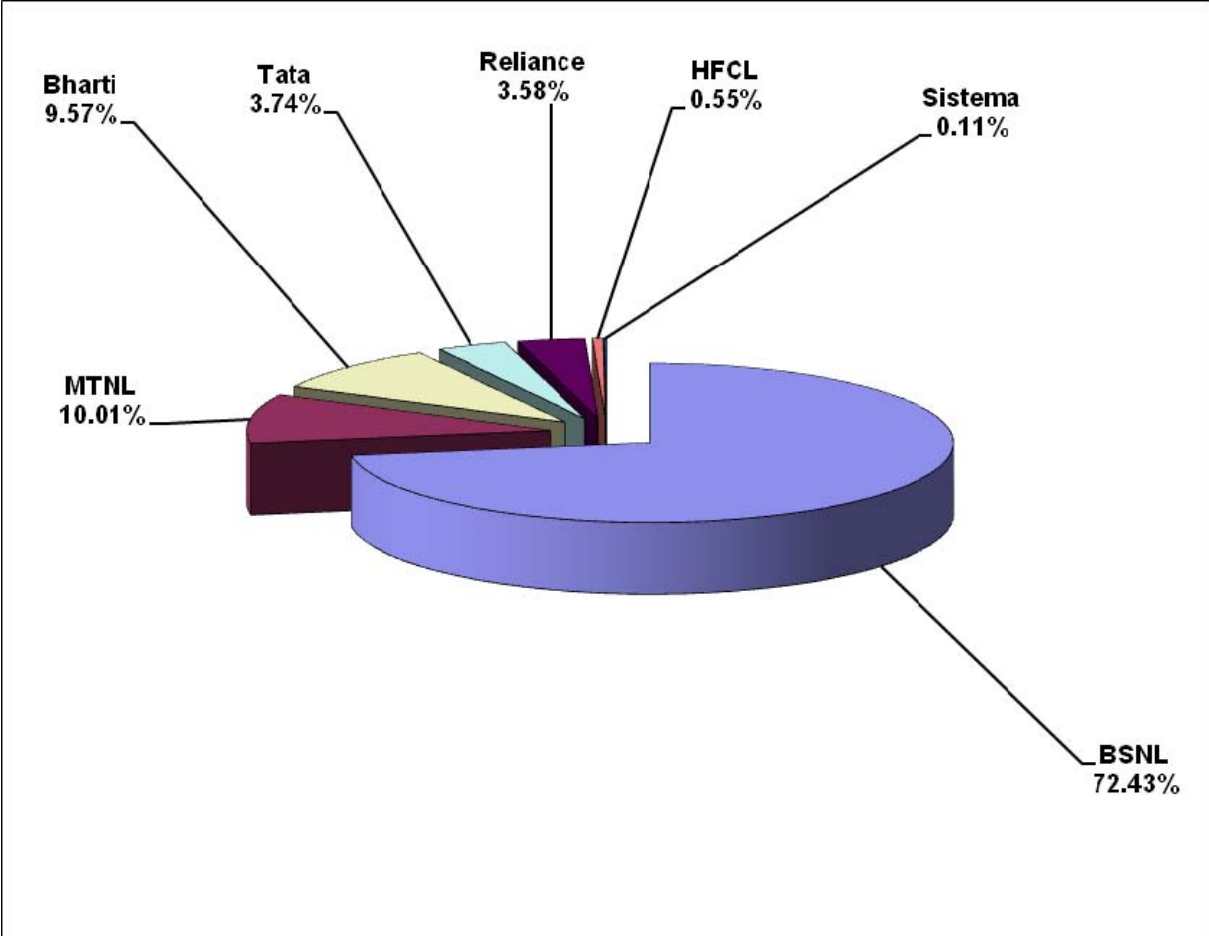
- As per the data reported by the service providers, by the end of April 2011 about 85.41 lakh subscribers have submitted their requests to different service providers for porting their mobile number. Out of these requests around 5.32 lakh pertains to Haryana wherein MNP was implemented from 25th Nov. 2010. In rest of the country, in MNP Zone-I (Northern & Western India) maximum number of requests have been received in Gujarat (8.34 lakh) followed by Rajasthan (7.11 lakh) whereas in MNP Zone-II (Southern & Eastern India) maximum number of requests have been received in Karnataka (6.63 lakh) followed by Tamil Nadu Service area(6.41 lakh). The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of April 2011			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	439,392	Andhra Pradesh	559,108
Gujarat	833,672	Assam	22,985
Himachal Pradesh	38,391	Bihar	198,476
Haryana	531,653	Karnataka	663,151
Jammu & Kashmir	2,199	Kerala	278,653
Maharashtra	592,067	Kolkata	215,903
Mumbai	309,217	Madhya Pradesh	583,339
Punjab	410,476	North East	6,399
Rajasthan	710,767	Orissa	160,973
Uttar pradesh - East	437,613	Tamil Nadu	641,437
Uttar pradesh - West	511,305	West Bengal	393,588
Total	4,816,752	Total	3,724,012
Total (Zone 1 + Zone 2)	8,540,764		

Wireline Segment

- Wireline subscriber base declined from 34.73 Million in March 2011 to 34.55 Million at the end of April 2011. The share of Urban Subscriber has increased from 74.97% to 75.08% where as share of Rural Subscribers has declined to 24.92% from 25.03%. **The overall wireline Tele-density in India declines to 2.89 with urban and rural teledensity being 7.22 and 1.03 respectively.** BSNL and MTNL, two PSU operators hold 82.44% of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service provider as on 30th April 2011 is given below:

Service Provider wise Market Share as on 30.04.2011



Circle wise Growth

- From the below table, Circle B shows the highest net addition and also registers the highest rate of monthly growth in the wireless sector from March 2011 to April 2011.

Category wise Net Additions during the Month of April - 2011

Category	Net Additions	
	Wireline	Wireless
Circle A	-78194	5339879
Circle B	-97109	6429730
Circle C	-3320	1886154
Metro	2013	1686052
All India	-176610	15341815

Category-wise Growth Rate in Access Service

Category	Monthly Rate of Growth (March-2011 to April-2011)		Yearly rate of growth (April-2010 to April-2011)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.58%	1.85%	-3.37%	34.53%
Circle B	-0.86%	2.02%	-10.83%	40.90%
Circle C	-0.12%	1.75%	-11.28%	38.49%
Metro	0.03%	1.74%	1.45%	34.90%
All India	-0.51%	1.89%	-5.69%	37.54%

Broadband (\geq 256 Kbps download)

Total Broadband subscriber base has increased from 11.87 million in March 2011 to 12.01 million in April 2011, there by showing a growth of 1.17 %.

Note: Information in the Press Release is based on the data provided by the Service Providers/
Service Providers' Association.

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Authorised to issue.

(Smt. Anuradha Mitra)

Annexure-I

Wireless Subscriber Base
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Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel / Dishnet	
	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11
Andhra Pradesh	16330634	16772128	8778173	8665470	7184085	7251421	8854550	8891115	8051133	8279417	1691631	1747837
Assam	3049141	3194326	2080137	2140272	1398440	1469893	120249	122123	321871	271278	3155796	3229643
Bihar	15137040	15406861	8335277	8393225	5011319	5101456	5216597	5283919	4498378	4737514	4539136	4613823
Delhi	7988121	8124792	8057140	8404728	7273088	7514234	5824667	5871400	3726043	3911903	2069914	2108254
Gujarat	6624977	6641918	7647990	7910353	14308706	14447830	3543334	3649822	6949010	7233916	407313	449831
Himachal Pradesh	1629159	1642625	1501017	1549202	320725	332323	394007	404902	450007	366709	745994	761224
Haryana	2072122	2112955	3748189	3822436	3883846	4010503	2979632	2993544	3065849	3217956	465644	489663
J & K	1975414	1839435	470846	463069	500316	525335	105003	109489	126510	130082	1742815	1710456
Karnataka	14570437	14680162	7726230	7796478	6439219	6477065	7197042	7226438	4000296	4162571	1624583	1667891
Kerala	3424958	3435781	3813032	3847189	5246322	5336778	2710977	2720412	6586675	6768742	2112495	2188079
Kolkata	3618140	3640744	4907637	5074541	4278094	4318250	3361778	3382999	895129	696119	1760820	1552925
Madhya Pradesh	9210939	9365818	10933858	11104002	2715822	2837981	4991379	5036244	11097347	11511478	672860	714055
Maharashtra	8447877	8573490	9134729	9264922	11240357	11486636	10173838	10320403	12821438	13186240	961237	1028354
Mumbai	3450682	3514321	7428103	7560567	5776011	5829750	5949208	6042122	2000466	2136976	1175693	1176967
North East	1958240	2030822	626568	658363	794227	805615	86518	87422	223909	192638	2024048	2079915
Orissa	5171425	5240520	3636992	3863433	2208525	2254994	2573870	2596285	949899	663988	2372508	2411222
Punjab	6207947	6339010	4054143	4104243	3981357	4037124	3440654	3497289	4412171	4404592	610145	653364
Rajasthan	12263647	12346734	6938232	7002816	8521641	8582483	4141076	4284804	2964458	3102172	649466	754431
Tamil Nadu	12576335	12683488	7955504	8321865	10918417	11068670	4918950	4929805	1243410	1252962	19473743	19916034
U.P.(E)	12050513	12374551	12060306	12320409	13400305	13663230	4501150	4609470	5587104	5980613	2018290	2032583
U.P.(W)	6004516	6111053	9309776	9597975	8749100	8957665	4944065	5070371	7787250	8186048	1733248	1791228
West Bengal	8441216	8543153	6574662	6792063	10419784	10669967	3110169	3253508	1744965	1560241	2835911	2872678
Total	162203480	164614687	135718541	138657621	134569706	136979203	89138713	90383886	89503318	91954155	54843290	55950457
Net Additions during April-2011		2411207		2939080		2409497		1245173		2450837		1107167

Wireless Subscriber Base
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Annexure-I

Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11
Andhra Pradesh	7308540	7548205			2121111	2271666	333551	372312			9370	9606
Assam	1484007	1495495						6	62	78		
Bihar	5980257	6041720			2498032	2652030	788238	854121			12276	13479
Delhi	0	0	2637185	2641260			692568	724151				
Gujarat	3977469	4000253			1812632	1909998	47913	53380			1623746	1681163
Himachal Pradesh	1670414	1667537						0			75602	86002
Haryana	3057475	3042050					125170	131287	107	101	984990	1010434
J & K	833382	851805						0				
Karnataka	5705297	5800669			907986	980545	1257771	1342600			8951	9295
Kerala	5965314	5926097			571614	661557	496170	509329			427742	416284
Kolkata	2487240	2357616			1249336	1311931	654386	674827	829	974		
Madhya Pradesh	5018630	4985648					351	437	88	88	1153790	1175974
Maharashtra	6596309	6391542			1883706	2159123	429715	478821			10181	11365
Mumbai	0	0	2835896	2832188	932609	1024017	636461	687359	3092398	3113501	1303194	1317619
North East	1439509	1476599						0	5	20		
Orissa	3831699	3874982			873785	940961	43	86	374	433	7597	8234
Punjab	4577025	4583327					87	131	99	92		
Rajasthan	5691079	5654157					1905243	1976186	242	245	8665	8694
Tamil Nadu	8418591	8445363			1293045	1346109	1380106	1442106			1438395	1448020
U.P.(E)	10069644	10062382			3894958	3942997	54618	71337			20022	20030
U.P.(W)	4401674	4434278			2753068	2839339	52258	67029			9744	9546
West Bengal	3320571	3367622			2000259	2203033	1202285	1250375			11695	14614
Total	91834126	92007347	5473081	5473448	22792141	24243306	10056934	10635880	3094204	3115532	7105960	7240359
Net Additions during April-2011		173221		367		1451165		578946		21328		134399

Wireless Subscriber Base Annexure-I
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Circle	Group						Circle-wise Total		
	S-tel		HFCL		Etisalat/Allianz		Mar-11	Apr-11	Net Addition
	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11			
Andhra Pradesh					14058	17792	60676836	61826969	1150133
Assam	61008	66433					11670711	11989547	318836
Bihar	1510671	1626127			14020	18596	53541241	54742871	1201630
Delhi					549815	657076	38818541	39957798	1139257
Gujarat					14553	16554	46957643	47995018	1037375
Himachal Pradesh	429007	436330					7215932	7246854	30922
Haryana					6483	7610	20389507	20838539	449032
J & K							5754286	5629671	-124615
Karnataka					11899	14199	49449711	50157913	708202
Kerala					5709	6889	31361008	31817137	456129
Kolkata							23213389	23010926	-202463
Madhya Pradesh					30110	35962	45825174	46767687	942513
Maharashtra					16859	19393	61716246	62920289	1204043
Mumbai					219185	313777	34799906	35549164	749258
North East	31553	36504					7184577	7367898	183321
Orissa	788652	836291					22415369	22691429	276060
Punjab			1466637	1468235	7857	9253	28758122	29096660	338538
Rajasthan					16630	18736	43100379	43731458	631079
Tamil Nadu					16117	18317	69632613	70872739	1240126
U.P.(E)					22475	25662	63679385	65103264	1423879
U.P.(W)					22309	25299	45767008	47089831	1322823
West Bengal							39661517	40527254	865737
Total	2820891	3001685	1466637	1468235	968079	1205115	811589101	826930916	15341815
Net Additions during April-2011		180794		1598		237036		15341815	

Annexure II

Proportion of Peak VLR for the month of April 2011 (%)

Circle	Aircel	Bharti	BSNL	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor	Videocon	Vodafone	Total
Andhra Pradesh	47.83	93.56	66.38	15.12		91.10			66.23		62.09	55.92	47.99	2.93	58.92	73.41
Assam	77.67	93.78	53.44			83.93	24.36		69.78	59.85	183.33	53.41			78.54	77.43
Bihar	49.17	96.12	60.21	15.49		85.22			64.02	35.67	36.60	43.46	62.25	14.39	87.52	72.04
Delhi	49.56	75.38		36.99		88.27		39.09	71.13		28.57	41.91			91.47	68.61
Gujarat	57.46	81.48	56.70	14.44		92.69			60.57		29.18	53.58	58.98	51.67	82.03	73.46
Himachal Pradesh	55.55	92.52	57.68			96.67			58.09	47.04		34.91		42.36	90.58	66.83
Haryana	38.79	90.43	48.91	15.30		86.76	16.83		60.64		18.59	54.90		31.82	91.84	68.97
J & K	79.11	102.91	63.52			93.03			69.81			59.72			74.69	83.29
Karnataka	40.39	92.42	70.95	8.57		94.99			64.61		70.67	57.54	45.90	3.38	65.30	74.04
Kerala	31.43	88.54	62.81	6.98		93.32			65.05		51.84	49.54	23.88	25.85	78.25	70.17
Kolkata	52.76	82.01	32.76			75.93	5.13		61.86		54.20	52.92	42.88		83.68	63.35
Madhya Pradesh	52.04	89.60	46.15	12.97		98.51	18.18		61.64		84.90	59.68		33.27	68.44	73.97
Maharashtra	48.58	91.18	63.80	15.43		96.77			64.54		53.92	50.09	54.03	11.07	85.05	75.49
Mumbai	52.93	78.12		32.20		82.84	42.51	31.56	70.29		17.18	36.08	38.95	53.64	71.68	57.25
North East	71.04	88.72	56.31			79.66	30.00		65.66	32.56		51.75			74.32	72.65
Orissa	50.20	92.49	59.76			65.33	9.24		58.90	32.96	315.12	47.28	36.89	10.64	70.52	64.01
Punjab	53.13	92.04	54.22	17.61	41.54	93.67	14.13		61.71		151.15	49.54			83.76	72.35
Rajasthan	53.65	92.89	46.90	22.54		99.92	11.02		63.44		43.34	43.43		13.29	74.82	71.37
Tamil Nadu	52.86	89.17	49.47	6.32		68.82			59.14		53.00	46.58	38.96	42.99	83.88	63.90
U.P.(E)	60.50	93.49	43.63	24.10		97.30			62.09		46.66	48.34	70.82	31.96	84.32	72.57
U.P.(W)	56.96	77.37	45.52	13.49		98.89			59.58		50.76	43.65	62.65	55.58	80.15	69.64
West Bengal	52.00	80.48	49.27			61.13			66.82		69.08	36.39	56.29	12.08	91.52	70.51
Total	54.10	89.51	54.59	31.47	41.54	92.92	42.49	35.19	63.64	37.07	49.82	48.72	54.80	42.46	80.78	70.53

Wireline Subscriber Base
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Annexure-III

Circle	GROUP																Circle-wise Total		
	BSNL		MTNL		Bharti		Reliance		Tata		HFCL		Sistema		Mar-11	Apr-11	Net Addition		
	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11	Mar-11	Apr-11					
Andhra Pradesh	2001056	1994517			124400	124515	86143	86417	156570	157159					2368169	2362608	-5561		
Assam	255584	254887							2099	2220					257683	257107	-576		
Bihar	1183267	1183176					4382	4455	8576	8600					1196225	1196231	6		
Delhi			1546432	1545736	1059694	1065689	176311	176827	56381	58481					2838818	2846733	7915		
Gujarat	1714975	1702541			54417	54458	116518	116300	61286	62260					1947196	1935559	-11637		
Himachal Pradesh	331623	330495					4154	4254	1699	1707					337476	336456	-1020		
Haryana	609130	605099			23104	23281	3951	4048	13925	14542					650110	646970	-3140		
J & K	216149	216079					18	18	166	168					216333	216265	-68		
Karnataka	2040456	2026353			487382	488179	105898	106380	108798	109065					2742534	2729977	-12557		
Kerala	3182212	3174449			55037	55295	53194	53387	10346	10691					3300789	3293822	-6967		
Kolkata	1199651	1192882			89286	89663	86145	85551	26072	26505					1401154	1394601	-6553		
Madhya Pradesh	1040334	1013132			304533	304635	32862	32934	5898	5988					1383627	1356689	-26938		
Maharashtra	2482216	2467891			69562	69827	95829	96288	205584	207446					2853191	2841452	-11739		
Mumbai			1917537	1913549	330500	330837	220316	221282	523503	526839					2991856	2992507	651		
North East	269235	267588							160	160					269395	267748	-1647		
Orissa	560504	560433					4024	4048	6575	6607					571103	571088	-15		
Punjab	1231817	1224191			104465	104716	37736	37405	15048	15066	189900	191293			1578966	1572671	-6295		
Rajasthan	1182757	1156441			38721	38863	22855	23016	4428	4494			38440	39303	1287201	1262117	-25084		
Tamil Nadu	2783666	2746299			481294	482194	139560	139981	53298	52644					3457818	3421118	-36700		
U.P.(E)	1369941	1363350			49718	49846	36568	36922	11359	11411					1467586	1461529	-6057		
U.P.(W)	819478	817527			23806	23920	5437	5440	6437	6524					855158	853411	-1747		
West Bengal	750854	729919					2290	2272	4229	4301					757373	736492	-20881		
Operator-wise Total	25224905	25027249	3463969	3459285	3295919	3305918	1234191	1237225	1282437	1292878	189900	191293	38440	39303	34729761	34553151	-176610		
Net Additions during April-2011		-197656		-4684		9999		3034		10441		1393		863		-176610			

VLR Subscribers in the Wireless Segment

Home Location Register (HLR) is a central database that contains details of each mobile phone subscriber that is authorized to use the GSM core network. The HLRs store details of every SIM card issued by the mobile phone operator. Each SIM has a unique identifier called an International Mobile Subscriber Identity (IMSI), which is the primary key to each HLR record. The HLR data is stored for as long as a subscriber remains with the mobile phone operator. HLR also manages the mobility of subscribers by means of updating their position in administrative areas. It sends the subscriber data to a Visitor Location Register (VLR).

Subscriber numbers reported by the service providers is the difference between the numbers of IMSI registered in service provider's Home Location Register(HLR) and sum of other figures as given below:-

1	Total IMSI's in HLR (A)
2	Less: (B=a + b + c + d + e)
a.	Test/Service Cards
b.	Employees
c.	Stock in hand/in Distributional Cannels (Active Card)
d.	Subscriber Retention period expired
e.	Service suspended pending disconnection
3	Subscribers Base (A-B)

Visitor Location Register (VLR) is a temporary database of the subscribers who have roamed into the particular area, which it serves. Each base station in the network is served by exactly one VLR; hence a subscriber cannot be present in more than one VLR at a time.

If subscriber is in active stage i.e. he is able to send/receive calls/SMSs he is available both in HLR and VLR. However, it may be possible that the subscriber is registered in HLR but not in VLR due to the reason that he is either switched-off or moved out of coverage area, not reachable etc. In such circumstances he will be available in HLR but not in VLR. This causes difference between subscriber number reported by the service providers and numbers available in VLR.

The VLR data calculated here is on the basis of active subscribers in VLR on the date of Peak VLR of the particular month for which the data is being collected. This data is to be taken from the switches having the purge time of not more than 72 hours.