

Information Note to the Press (Press Release No. 13/2011)

TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 4th March 2011

For Immediate release

Website: - www.trai.gov.in

Highlights of Telecom Subscription Data as on 31st January 2011

Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers	771.18	34.94	806.13
Total Net Addition	18.99	-0.15	18.85
% of Monthly Growth	2.52%	-0.41%	2.39%
Urban Subscribers	512.26	26.13	538.38
Urban Subscribers Net Addition	10.96	-0.08	10.88
% of Monthly Growth	2.19%	-0.30%	2.06%
Rural Subscribers	258.93	8.82	267.74
Rural Subscribers Net Addition	8.03	-0.07	7.97
% of Monthly Growth	3.20%	-0.75%	3.07%
Teledensity	64.74	2.93	67.67
Urban Teledensity	143.36	7.31	150.67
Rural Teledensity	31.05	1.06	32.11
Share of Urban Subscriber	66.42%	74.77%	66.79%
Share of Rural Subscriber	33.58%	25.23%	33.21%

- ❖ **Active wireless subscribers in VLR in Jan- 2011 is 548.66 Million**
- ❖ **Broadband subscription reaches to 11.21 Million in Jan-2011 from 10.71 Million in Dec-2010**

Total Telephone Subscribers

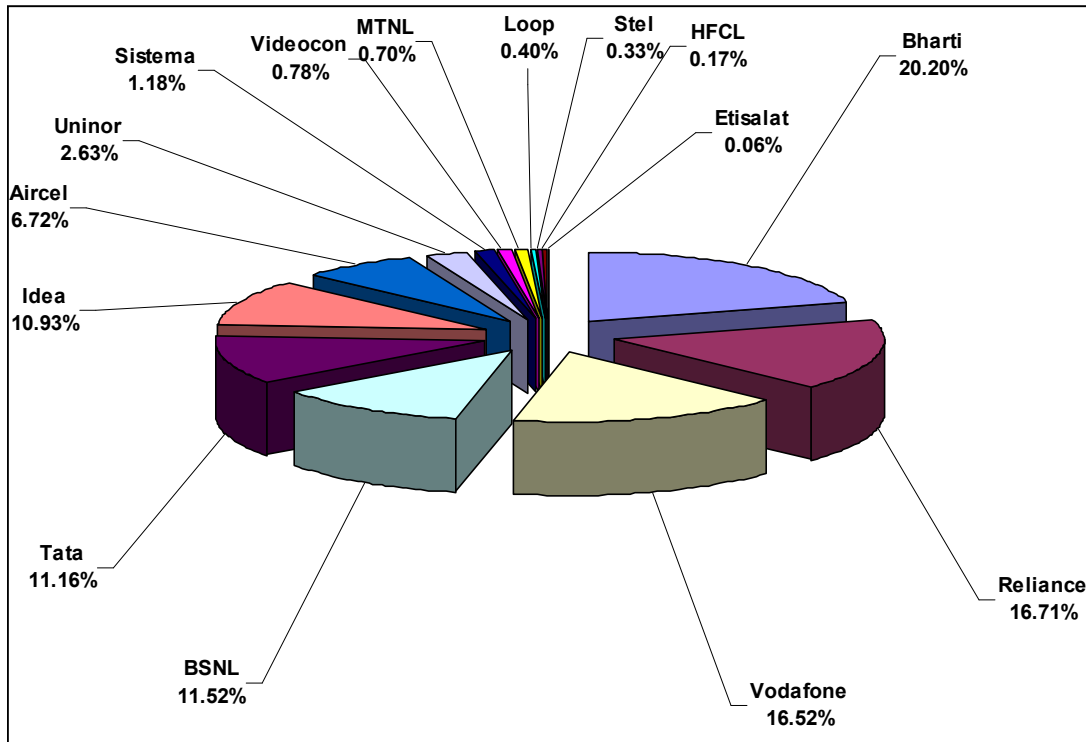
- The number of telephone subscribers in India increased to **806.13** Million at the end of January 2011 from 787.28 Million in December 2010, thereby registering a growth rate of 2.39%. The share of Urban Subscriber has declined to 66.79% from 67% where as share of Rural Subscribers has increased from 33% to 33.21%. With this, ***the overall Tele-density in India reaches 67.67.***

- Subscription in Urban Areas grew from 527.50 million in December 2010 to 538.38 million at the end of January 2011. Rural subscription increased from 259.78 million to 267.74. The growth of Rural Subscription (3.07%) is higher than the Urban Subscription (2.06%). **The overall Urban teledensity has increased from 147.88 to 150.67 and Rural teledensity increased from 31.18 to 32.11.**

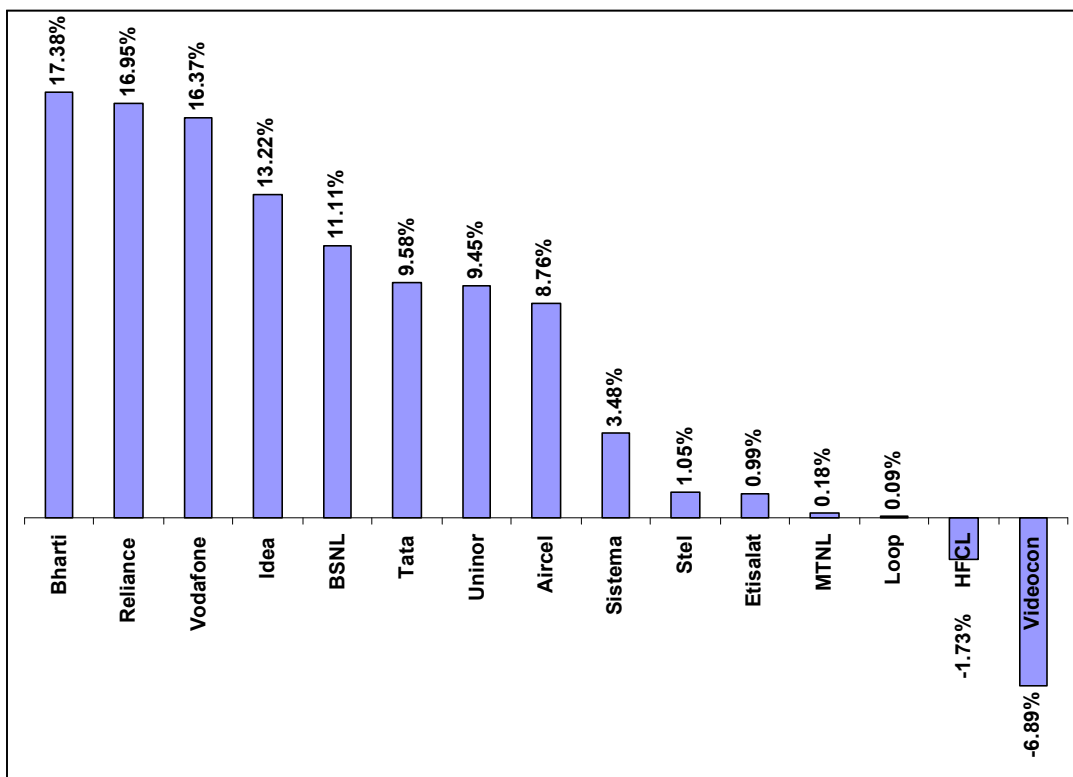
Wireless Segment (GSM, CDMA & FWP)

- Total Wireless subscriber base increased from 752.19 Million in December 2010 to 771.18 Million at the end of January 2011 registering a growth of 2.52%. The share of Urban Subscriber has declined to 66.42% from 66.65% where as share of Rural Subscribers has increased from 33.35% to 33.58%. **The overall wireless Tele-density in India reaches 64.74.**
- Wireless subscription in Urban Areas increased from 501.30 million in December 2010 to 512.26 million at the end of January 2011. Rural subscription increased from 250.89 million to 258.93. This shows higher growth in Rural Subscription (3.20%) than Urban Subscription (2.19%). **The Urban wireless teledensity has increased from 140.53 to 143.36 and Rural teledensity increased from 30.11 to 31.05.** Detailed statistics is at Annexure-I.
- Private operators hold 87.78% of the wireless market share where as BSNL and MTNL, two PSU operators hold only 12.22% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of January 2011 are given below:

A. Service Provider wise Market Share as on 31.01.2011



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



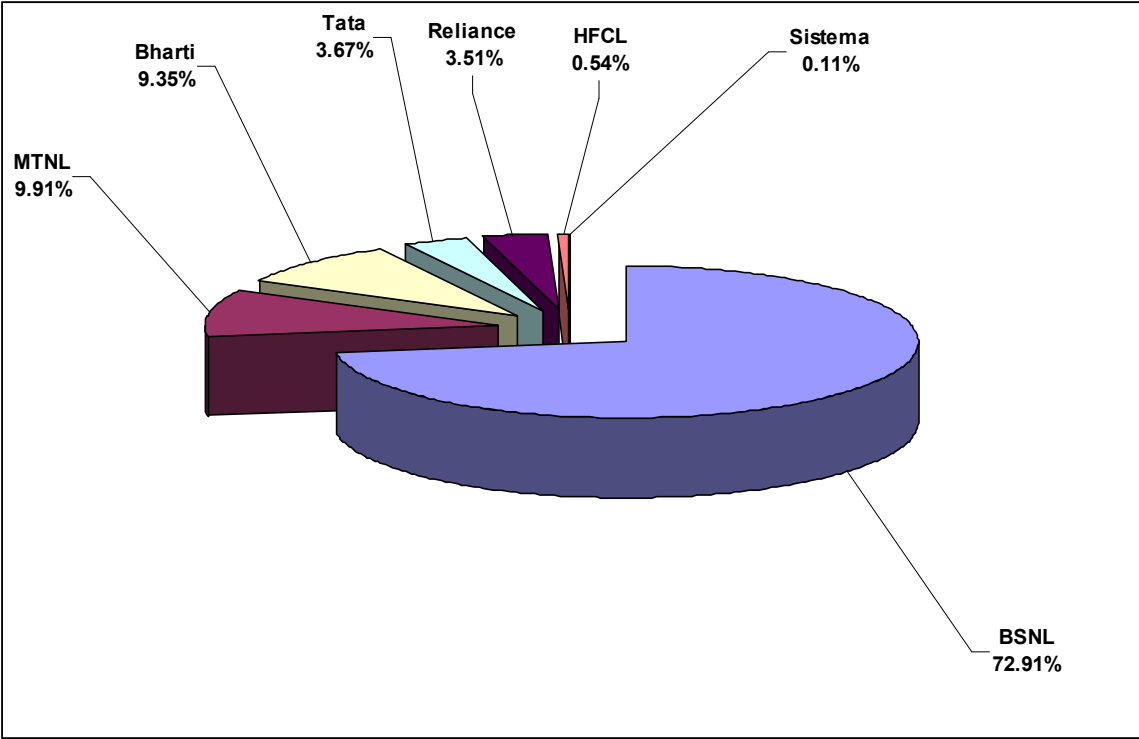
VLR Data

- Out of the total 771.18 Million subscribers, 548.66 Million subscribers were active subscribers on the date of Peak VLR for the month of January 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 5.38 million. The proportion of VLR subscribers is approximately 71.14 % of the total wireless subscriber base reported by the service providers. Circle-wise, Jammu & Kashmir has the highest proportion of VLR subscribers with 81.26% followed by Assam (81.02%) and Maharashtra (77.58%); Mumbai has the lowest proportion with 59.59%. Service Provider wise, Bharti leads the tally with 92.63% closely followed by Idea with 90.34%; Etisalat is at the bottom with 33.55%. The detailed statistics is at Annexure II & the methodology used for reporting subscriber base/active subscribers is at Annexure IV.

Wireline Segment

- Wireline subscriber base declined from 35.09 Million in December 2010 to 34.94 Million at the end of January 2011. The share of Urban Subscriber has increased from 74.68% to 74.77% where as share of Rural Subscribers has declined to 25.23% from 25.32%. ***The overall wireline Tele-density in India declines to 2.93 with urban and rural teledensity being 7.31 and 1.06 respectively.*** BSNL and MTNL, two PSU operators hold 82.82 % of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service provider AS ON 31ST January 2011 is given below:

Service Provider wise Market Share as on 31-01-2011



Circle wise Growth

- From the below table, Circle B shows the highest net addition in wireless sector as well as highest rate of monthly growth from December 2011 to January 2011.

Category wise Net Additions during the Month of January - 2011

Category	Net Additions	
	Wireline	Wireless
Circle A	-39025	5917290
Circle B	-63796	8299077
Circle C	-48565	2685691
Metro	6258	2088621
All India	-145128	18990679

Category-wise Growth Rate in Access Service

Category	Monthly Rate of Growth (December-2010 to January-2011)		Yearly rate of growth (January-2010 to January-2011)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.29%	2.19%	-3.04%	38.02%
Circle B	-0.56%	2.83%	-10.77%	45.72%
Circle C	-1.66%	2.71%	-11.21%	44.16%
Metro	0.09%	2.32%	5.05%	36.05%
All India	-0.41%	2.52%	-4.93%	41.49%

Broadband (\geq 256 Kbps download)

Total Broadband subscriber base has increased from 10.92 million in December 2010 to 11.21 million in January 2011, there by showing a growth of 2.70 %.

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.

(Raj Pal)

Annexure-I

Wireless Subscriber Base

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Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel / Dishnet	
	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11
Andhra Pradesh	15329598	15631323	8084150	8299174	6954764	7048449	8693388	8731641	7800076	7831260	1712612	1780636
Assam	2828490	2909977	2021320	2032758	1151891	1203824	111589	113402	197036	206140	2959315	2922162
Bihar	13901163	14359315	7875470	8004183	4557162	4717640	5006901	5072838	4200974	4280626	4178731	4277516
Delhi	7420171	7657343	7340797	7499052	6491025	6708922	5657536	5743828	3422238	3609746	1851911	1924710
Gujarat	6211414	6270078	6886955	7237275	13643746	13929246	3213432	3303938	6600203	6632034	181592	292377
Himachal Pradesh	1528727	1567379	1377365	1425514	284136	294303	327654	346589	437037	479882	748372	757951
Haryana	1856093	1928041	3334175	3477933	3532770	3618145	2898511	2922757	2641238	2847079	272982	356315
J & K	1879828	1899755	418405	466766	362171	422670	92154	95428	88558	93072	1627640	1659971
Karnataka	14004247	14205136	7146799	7446090	6135912	6268492	6960222	7044662	3600642	3775543	1429830	1517286
Kerala	3383097	3395417	3680465	3725836	4966772	5059894	2663409	2682596	6222842	6398170	1916490	1982342
Kolkata	3181073	3381473	4315036	4353416	4032549	4107931	3101301	3222510	878242	910733	1619342	1683947
Madhya Pradesh	8527584	8662558	10298277	10507551	2406495	2477946	4689375	4799823	9361609	10001804	570667	640384
Maharashtra	7865425	8147348	8747400	8985089	9774318	10228352	9738491	9971377	11800335	12075220	907715	948090
Mumbai	3263688	3365486	6983922	7057134	5541814	5600175	5774939	5873660	1810276	1822280	1413126	1474999
North East	1748202	1808657	611981	598061	673722	695598	79312	80891	103929	128807	1849467	1802666
Orissa	4989102	5000513	3259869	3403383	1809046	1909373	2497262	2536160	981638	985737	2298704	2319478
Punjab	5946742	6011026	3776178	3787427	3682662	3755967	3111101	3284585	4056443	4160189	361243	455273
Rajasthan	12001442	12094323	6776454	6783863	8291029	8364850	3590099	3741901	2709911	2823910	177737	335108
Tamil Nadu	12105165	12206987	7486715	7588661	10448463	10617264	4855095	4883415	1201781	1202343	18421433	18713609
U.P.(E)	11455638	11599892	11044353	11382958	12467953	12758139	4000048	4145051	4801859	4935224	1595095	1736851
U.P.(W)	5475843	5614699	8162323	8528526	7977889	8207919	4517381	4671950	7184449	7361534	1426228	1507087
West Bengal	7592487	8079872	6023718	6280857	9068831	9369243	2654198	2783321	1677339	1728308	2648579	2743038
Total	152495219	155796598	125652127	128871507	124255120	127364342	84233398	86052323	81778655	84289641	50168811	51831796
Net Additions during January-2011		3301379		3219380		3109222		1818925		2510986		1662985

Wireless Subscriber Base
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Annexure-I

Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11
Andhra Pradesh	6312178	6649104			1949049	1990934	223419	266312			8545	9001
Assam	1368553	1427836								14		
Bihar	5693096	5830754			2155143	2343389	653088	697530			9499	9589
Delhi			2588012	2611126			636071	647780				
Gujarat	3803001	3896196			1456801	1652867	24352	33759			1295940	1334174
Himachal Pradesh	1620362	1646097									42326	52088
Haryana	3013648	3066036					101630	109090	99	113	1331521	881635
J & K	768098	789519										
Karnataka	5074694	5270910			727014	795323	949504	1071368			8478	8782
Kerala	5793096	5854638			506069	523237	397930	479686			599802	437474
Kolkata	2430223	2450486			1025775	1185180	596550	615477	331	464		
Madhya Pradesh	4891028	4973442					266	290	68	73	790034	867876
Maharashtra	6058208	6272256			1512746	1551833	312009	361082			9980	10039
Mumbai			2809755	2821188	895380	913816	515391	557809	3043654	3060918	1362201	1071874
North East	1330994	1361534								1		
Orissa	3582219	3693079			655517	697732			178	238	6489	6412
Punjab	4336668	4437478						58	75	111		
Rajasthan	5515741	5653596					1764476	1823469	174	188	7839	8292
Tamil Nadu	8112272	8121027			1195658	1209438	1162002	1261403			1808754	1274256
U.P.(E)	9770248	9946359			2819348	3269362	8620	25488			19849	20040
U.P.(W)	4194570	4326812			2137594	2480512	9831	26642			8372	9749
West Bengal	3040640	3151700			1473955	1691927	1078528	1117509			9974	9952
Total	86709537	88818859	5397767	5432314	18510049	20305550	8433667	9094752	3044579	3062120	7319603	6011233
Net Additions during January 2011		2109322		34547		1795501		661085		17541		-1308370

Wireless Subscriber Base
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Annexure-I

Circle	Group						Circle-wise Total		
	Stel		HFCL		Etisalat/Allianz		Dec-10	Jan-11	Net Addition
	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11			
Andhra Pradesh					5534	8356	57073313	58246190	1172877
Assam	48979	52223					10687173	10868336	181163
Bihar	1206467	1324804			4141	5667	49441835	50923851	1482016
Delhi					146516	273634	35554277	36676141	1121864
Gujarat					8548	10295	43325984	44592239	1266255
Himachal Pradesh	403745	413898					6769724	6983701	213977
Haryana					3412	4502	18986079	19211646	225567
J & K							5236854	5427181	190327
Karnataka					6983	8629	46044325	47412221	1367896
Kerala					2234	3087	30132206	30542377	410171
Kolkata							21180422	21911617	731195
Madhya Pradesh					13708	19407	41549111	42951154	1402043
Maharashtra					9646	12067	56736273	58562753	1826480
Mumbai					16221	46590	33430367	33665929	235562
North East	19281	23276					6416888	6499491	82603
Orissa	637052	700576					20717076	21252681	535605
Punjab			1611723	1282971	4366	5441	26887201	27180526	293325
Rajasthan					9694	11679	40844596	41641179	796583
Tamil Nadu					9371	12088	66806709	67090491	283782
U.P.(E)					12023	15652	57995034	59835016	1839982
U.P.(W)					12502	15480	41106982	42750910	1643928
West Bengal							35268249	36955727	1687478
Total	2315524	2514777	1611723	1282971	264899	452574	752190678	771181357	18990679
Net Additions during January-2011		199253		-328752		187675		18990679	

Annexure II

Proportion of Peak VLR for the Month of January 2011

Circle	Aircel	Bharti	BSNL	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor	Videocon	Vodafone	Total
Andhra Pradesh	58.27	96.91	68.70	23.53		90.77			68.24		67.79	57.03	39.68	27.95	56.83	74.66
Assam	84.98	96.18	64.02			95.20	71.43		70.98	36.03		54.30			73.97	81.02
Bihar	59.61	96.72	57.92	11.36		77.49			64.42	41.80	36.18	42.82	47.50	47.78	77.44	70.77
Delhi	53.63	80.86		39.69		88.07		39.62	73.28		25.09	42.89			94.43	70.90
Gujarat	53.65	87.37	58.57	18.18		92.33			64.96		26.16	55.03	47.74	64.12	80.44	74.95
Himachal Pradesh	59.92	90.59	56.16			65.91			61.07	48.16		40.60		50.98	82.66	65.80
Haryana	45.55	96.28	49.39	19.04		84.07	23.89		62.58		19.52	55.55		47.14	84.88	68.89
J & K	76.69	97.10	62.78			89.53			73.23			60.57			74.27	81.26
Karnataka	54.32	94.44	59.15	13.01		91.82			66.97		74.78	56.81	41.59	6.47	61.29	73.37
Kerala	43.63	87.68	63.17	12.05		91.31			65.43		48.72	49.19	26.39	25.77	76.92	70.45
Kolkata	53.54	90.22	33.22			50.45	13.36		64.77		55.82	51.91	35.03		78.06	62.45
Madhya Pradesh	55.54	92.99	42.50	19.78		100.04	16.44		62.28		30.34	62.81		38.04	55.14	74.01
Maharashtra	52.03	95.76	63.93	20.68		98.26			70.44		62.59	52.28	52.42	49.11	84.80	77.58
Mumbai	43.71	86.51		35.30		90.31	44.15	33.73	72.81		19.43	37.49	37.54	61.71	73.01	59.59
North East	80.60	93.36	56.31			95.21	500.00		66.01	33.77		53.54			70.54	76.43
Orissa	58.62	90.30	60.29			42.62	14.71		65.72	35.81		46.61	31.49	22.19	66.93	64.42
Punjab	65.87	92.97	56.52	21.01	49.91	91.25	27.03		65.05		177.59	51.03			82.13	73.80
Rajasthan	43.42	94.14	44.01	29.02		93.26	17.02		64.13		43.87	44.59		49.93	69.44	70.33
Tamil Nadu	58.22	92.89	50.93	11.23		55.83			63.62		53.49	46.26	30.91	42.68	81.87	66.20
U.P.(E)	64.22	97.27	43.33	28.41		96.35			66.02		55.57	47.35	61.41	65.25	79.92	72.16
U.P.(W)	59.50	83.15	44.84	21.23		94.83			63.63		53.55	42.29	53.49	58.93	77.38	69.22
West Bengal	60.35	86.82	50.85			44.16			65.74		68.75	40.67	51.92	41.57	88.10	70.90
Total	59.91	92.63	53.83	33.55	49.91	90.34	44.14	36.56	66.31	40.98	50.69	49.55	46.98	49.69	77.68	71.14

Wireline Subscriber Base
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Annexure-III

Circle	GROUP														Circle-wise Total		
	BSNL		MTNL		Bharti		Reliance		Tata		HFCL		Sistema		Dec-10	Jan-11	Net Addition
	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11	Dec-10	Jan-11			
Andhra Pradesh	2016068	2014095			124100	124194	85004	85408	157100	156888					2382272	2380585	-1687
Assam	255182	255229							1820	1949					257002	257178	176
Bihar	1249501	1209676					4091	4193	8538	8778					1262130	1222647	-39483
Delhi			1546758	1545252	1033787	1042334	175032	175446	56054	58178					2811631	2821210	9579
Gujarat	1740637	1733442			53624	53650	117061	116978	60229	61375					1971551	1965445	-6106
Himachal Pradesh	336455	335281					3898	3977	1615	1621					341968	340879	-1089
Haryana	631370	631315			23079	23095	3784	3842	13181	13396					671414	671648	234
J & K	214836	215360					18	18	129	133					214983	215511	528
Karnataka	2042895	2038251			485521	485572	104319	104857	112163	113244					2744898	2741924	-2974
Kerala	3197039	3182297			54433	54455	52996	53037	10418	10543					3314886	3300332	-14554
Kolkata	1214072	1208395			86043	87605	88029	87542	27128	27234					1415272	1410776	-4496
Madhya Pradesh	1077462	1076015			304367	304416	33001	32911	5144	5342					1419974	1418684	-1290
Maharashtra	2521309	2504955			68906	68937	93156	94519	197795	200660					2881166	2869071	-12095
Mumbai			1920303	1917636	328972	328980	216097	217719	517083	519295					2982455	2983630	1175
North East	277385	270348							155	157					277540	270505	-7035
Orissa	558625	556851					3916	3955	6173	6246					568714	567052	-1662
Punjab	1229874	1228975			103363	103801	38453	38274	14388	14784	185902	187676			1571980	1573510	1530
Rajasthan	1242162	1233733			38522	38545	22219	22424	4554	4774			39274	39403	1346731	1338879	-7852
Tamil Nadu	2837874	2820269			480179	480254	138229	138683	55315	56228					3511597	3495434	-16163
U.P.(E)	1381876	1374557			48750	49082	35034	35631	10831	10981					1476491	1470251	-6240
U.P.(W)	821157	821742			23696	23716	5522	5466	6131	6292					856506	857216	710
West Bengal	803214	766534					1943	2046	3741	3984					808898	772564	-36334
Operator-wise Total	25648993	25477320	3467061	3462888	3257342	3268636	1221802	1226926	1269685	1282082	185902	187676	39274	39403	35090059	34944931	-145128
Net Additions during January-2011		-171673		-4173		11294		5124		12397		1774		129		-145128	

Annexure IV

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.