

## Information Note to the Press (Press Release No.29 /2011)

### TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 6<sup>th</sup> April 2011

For Immediate release

Website: - [www.trai.gov.in](http://www.trai.gov.in)

#### Highlights of Telecom Subscription Data as on 28th February 2011

Particulars	Wireless	Wireline	Total Wireless + Wireline
<b>Total Subscribers</b>	<b>791.38</b>	<b>34.87</b>	<b>826.25</b>
Total Net Addition	20.20	-0.08	20.12
% of Monthly Growth	2.62%	-0.23%	2.50%
<b>Urban Subscribers</b>	<b>525.17</b>	<b>26.10</b>	<b>551.27</b>
Urban Subscribers Net Addition	12.91	-0.02	12.89
% of Monthly Growth	2.52%	-0.09%	2.39%
<b>Rural Subscribers</b>	<b>266.21</b>	<b>8.76</b>	<b>274.98</b>
Rural Subscribers Net Addition	7.29	-0.06	7.23
% of Monthly Growth	2.82%	-0.63%	2.70%
<b>Teledensity</b>	<b>66.36</b>	<b>2.92</b>	<b>69.29</b>
Urban Teledensity	146.72	7.29	154.01
Rural Teledensity	31.90	1.05	32.95
Share of Urban Subscriber	66.36%	74.87%	66.72%
Share of Rural Subscriber	33.64%	25.13%	33.28%

- ❖ **Active wireless subscribers in VLR in Feb- 2011 is 562.98 Million**
- ❖ **Broadband subscription reaches to 11.47 Million in Feb-2011 from 11.21 Million in Jan-2011**

#### Total Telephone Subscribers

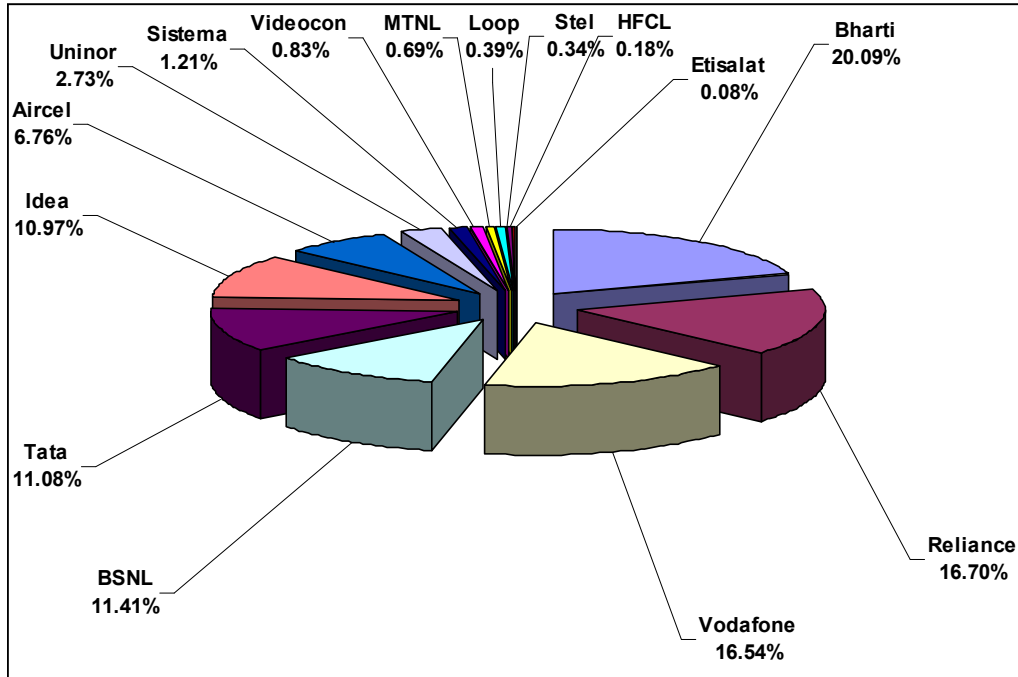
- The number of telephone subscribers in India increased to **826.25** Million at the end of February 2011 from 806.13 Million in January 2011, thereby registering a growth rate of 2.50%. The share of Urban Subscriber has declined to 66.72% from 66.79% where as share of Rural Subscribers has increased from 33.21% to 33.28%. With this, ***the overall Tele-density in India reaches 69.29.***

- Subscription in Urban Areas grew from 538.38 million in January 2011 to 551.27 million at the end of February 2011. Rural subscription increased from 267.74 million to 274.98. The growth of Rural Subscription (2.70%) is higher than the Urban Subscription (2.39%). **The overall Urban teledensity has increased from 150.67 to 154.01 and Rural teledensity increased from 32.11 to 32.95.**

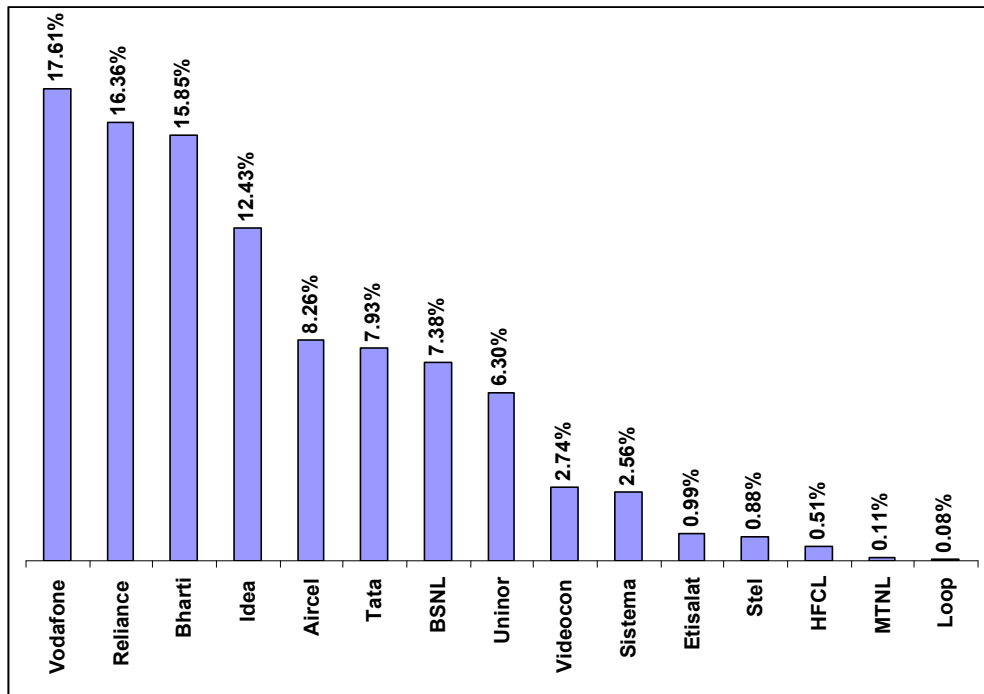
### **Wireless Segment (GSM, CDMA & FWP)**

- Total Wireless subscriber base increased from 771.18 Million in January 2011 to 791.38 Million at the end of February 2011 registering a growth of 2.62%. The share of Urban Subscriber has declined to 66.36% from 66.42% where as share of Rural Subscribers has increased from 33.58% to 33.64%. **The overall wireless Tele-density in India reaches 66.36.**
- Wireless subscription in Urban Areas increased from 512.26 million in January 2011 to 525.17 million at the end of February 2011. Rural subscription increased from 258.93 million to 266.21. This shows higher growth in Rural Subscription (2.82%) than Urban Subscription (2.52%). **The Urban wireless teledensity has increased from 143.36 to 146.72 and Rural teledensity increased from 31.05 to 31.90.** Detailed statistics is at Annexure-I.
- Private operators hold 87.90% of the wireless market share where as BSNL and MTNL, two PSU operators hold only 12.10% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of February 2011 are given below:

**A. Service Provider wise Market Share as on 28.02.2011**



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



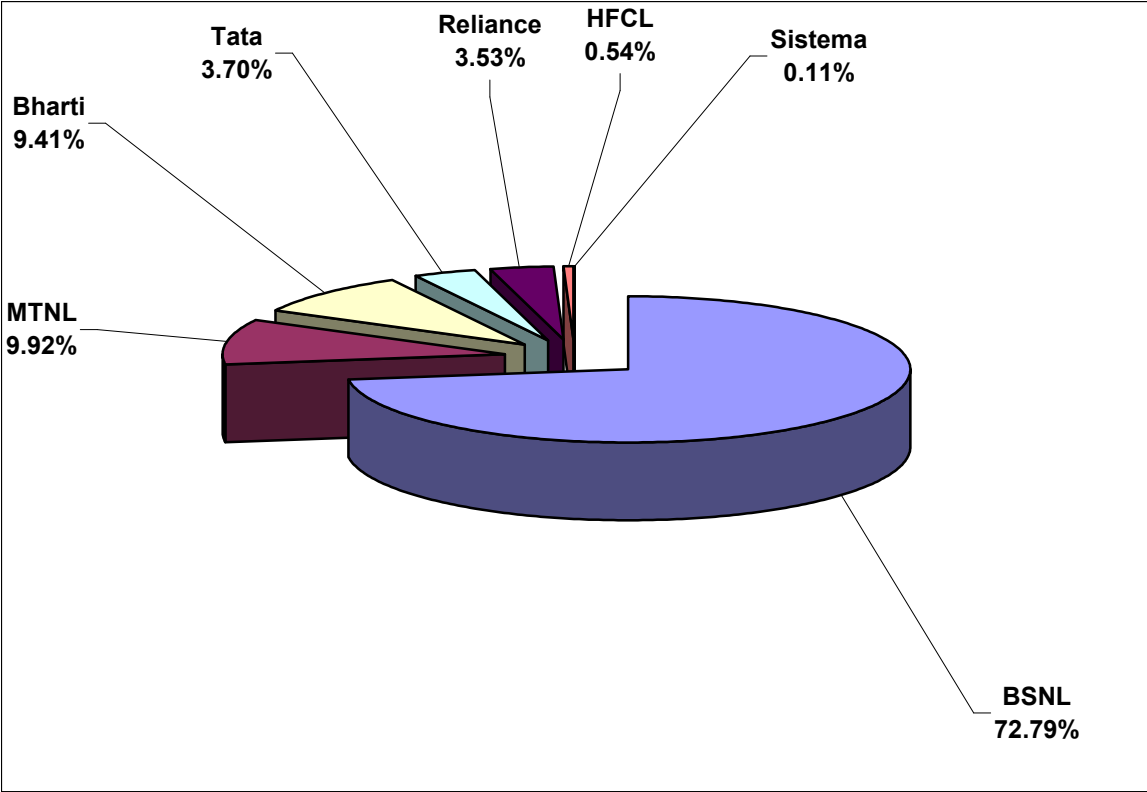
## **VLR Data**

- Out of the total 791.38 Million subscribers, 562.98 Million subscribers were active subscribers on the date of Peak VLR for the month of Feb 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 5.37 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 80.56% followed by Assam (77.74%) and Maharashtra (77.45%); Mumbai has the lowest proportion with 59.04%. Service Provider wise, Idea leads the tally with 92.65% closely followed by Bharti with 92.52%; MTNL is at the bottom with 36.16%. 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 34.94 Million in January 2011 to 34.87 Million at the end of February 2011. The share of Urban Subscriber has increased from 74.77% to 74.87% where as share of Rural Subscribers has declined to 25.13% from 25.23%. ***The overall wireline Tele-density in India declines to 2.92 with urban and rural teledensity being 7.29 and 1.05 respectively.*** BSNL and MTNL, two PSU operators hold 82.71% of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service provider as on 28th February 2011 is given below:

**Service Provider wise Market Share as on 28-02-2011**



### **Circle wise Growth**

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

### **Category wise Net Additions during the Month of February - 2011**

Category	Net Additions	
	Wireline	Wireless
Circle A	-30581	6491281
Circle B	-53350	8320371
Circle C	-1077	2818065
Metro	5389	2570500
<b>All India</b>	<b>-79619</b>	<b>20200217</b>

### **Category-wise Growth Rate in Access Service**

Category	Monthly Rate of Growth (January-2010 to February-2011)		Yearly rate of growth (February-2010 to February-2011)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.23%	2.35%	-3.17%	37.36%
Circle B	-0.47%	2.76%	-10.97%	43.72%
Circle C	-0.04%	2.76%	-11.19%	42.30%
Metro	0.07%	2.79%	1.52%	36.39%
<b>All India</b>	<b>-0.23%</b>	<b>2.62%</b>	<b>-5.66%</b>	<b>40.31%</b>

**Broadband ( $\geq$  256 Kbps download)**

Total Broadband subscriber base has increased from 11.21 million in January 2011 to 11.47 million in February 2011, there by showing a growth of 2.34 %.

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	
	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11
Andhra Pradesh	15631323	16037351	8299174	8355454	7048449	7113770	8731641	8791254	7831260	8000557	1780636	1688621
Assam	2909977	2980162	2032758	2041460	1203824	1290089	113402	116924	206140	284333	2922162	3082905
Bihar	14359315	14693524	8004183	8151637	4717640	4878600	5072838	5138493	4280626	4297119	4277516	4351663
Delhi	7657343	7740300	7499052	7710730	6708922	7001353	5743828	5765691	3609746	3642724	1924710	1998419
Gujarat	6270078	6603934	7237275	7371599	13929246	14093054	3303938	3414379	6632034	6762421	292377	411316
Himachal Pradesh	1567379	1582467	1425514	1448452	294303	306454	346589	369381	479882	480826	757951	706710
Haryana	1928041	2020985	3477933	3554556	3618145	3708379	2922757	2950311	2847079	3003872	356315	418983
J & K	1899755	1947178	466766	423734	422670	473252	95428	100977	93072	98403	1659971	1686657
Karnataka	14205136	14467418	7446090	7511002	6268492	6392204	7044662	7139612	3775543	3875975	1517286	1563988
Kerala	3395417	3407823	3725836	3769449	5059894	5154616	2682596	2706373	6398170	6518343	1982342	2009295
Kolkata	3381473	3540608	4353416	4953838	4107931	4207989	3222510	3300103	910733	915521	1683947	1711655
Madhya Pradesh	8662558	8882390	10507551	10741885	2477946	2605847	4799823	4917914	10001804	10347934	640384	715792
Maharashtra	8147348	8347031	8985089	9066035	10228352	10736352	9971377	10217245	12075220	12540812	948090	1048555
Mumbai	3365486	3384597	7057134	7354806	5600175	5640278	5873660	5910212	1822280	1922508	1474999	1345137
North East	1808657	1877299	598061	607347	695598	730864	80891	83249	128807	195759	1802666	1941017
Orissa	5000513	5045196	3403383	3534661	1909373	2063474	2536160	2560276	985737	986843	2319478	2368333
Punjab	6011026	6072673	3787427	3869401	3755967	3865552	3284585	3320630	4160189	4284548	455273	538005
Rajasthan	12094323	12178233	6783863	6812306	8364850	8430001	3741901	3929277	2823910	2911338	335108	513117
Tamil Nadu	12206987	12327760	7588661	7745365	10617264	10760979	4883415	4896691	1202343	1212801	18713609	19159571
U.P.(E)	11599892	11790162	11382958	11908486	12758139	13099190	4145051	4309199	4935224	5195983	1736851	1855529
U.P.(W)	5614699	5800753	8528526	9086309	8207919	8449002	4671950	4811959	7361534	7591717	1507087	1607864
West Bengal	8079872	8271025	6280857	6158402	9369243	9919433	2783321	2904322	1728308	1730472	2743038	2777337
<b>Total</b>	<b>155796598</b>	<b>158998869</b>	<b>128871507</b>	<b>132176914</b>	<b>127364342</b>	<b>130920732</b>	<b>86052323</b>	<b>87654472</b>	<b>84289641</b>	<b>86800809</b>	<b>51831796</b>	<b>53500469</b>
<b>Net Additions during February-2011</b>		<b>3202271</b>		<b>3305407</b>		<b>3556390</b>		<b>1602149</b>		<b>2511168</b>		<b>1668673</b>



**Wireless Subscriber Base**  
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**Annexure-I**

Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11
Andhra Pradesh	6649104	6988133			1990934	2072815	266312	297150			9001	9244
Assam	1427836	1482743							14	28		
Bihar	5830754	5938629			2343389	2456838	697530	737932			9589	10183
Delhi			2611126	2626644			647780	675767				
Gujarat	3896196	3923784			1652867	1749637	33759	39197			1334174	1499716
Himachal Pradesh	1646097	1660657									52088	67158
Haryana	3066036	3083407					109090	119538	113	110	881635	951490
J & K	789519	812940										
Karnataka	5270910	5472085			795323	855328	1071368	1169818			8782	8929
Kerala	5854638	5906795			523237	581019	479686	494102			437474	403033
Kolkata	2450486	2497345			1185180	1195890	615477	634760	464	598		
Madhya Pradesh	4973442	5003936					290	229	73	86	867876	1017167
Maharashtra	6272256	6370333			1551833	1762695	361082	401873			10039	10309
Mumbai			2821188	2828202	913816	920413	557809	596202	3060918	3077809	1071874	1229614
North East	1361534	1407694							1	4		
Orissa	3693079	3770269				697732	793449		16	238	299	6412
Punjab	4437478	4473312						58	82	111	106	
Rajasthan	5653596	5707692						1823469	1876523	188	241	8292
Tamil Nadu	8121027	8174934			1209438	1244944	1261403	1331133			1274256	1301028
U.P.(E)	9946359	10010669			3269362	3502600	25488	37574			20040	20029
U.P.(W)	4326812	4386857			2480512	2642897	26642	38312			9749	9750
West Bengal	3151700	3237200			1691927	1798972	1117509	1162530			9952	10561
<b>Total</b>	<b>88818859</b>	<b>90309414</b>	<b>5432314</b>	<b>5454846</b>	<b>20305550</b>	<b>21577497</b>	<b>9094752</b>	<b>9612738</b>	<b>3062120</b>	<b>3079281</b>	<b>6011233</b>	<b>6564083</b>
<b>Net Additions during February-2011</b>		<b>1490555</b>		<b>22532</b>		<b>1271947</b>		<b>517986</b>		<b>17161</b>		<b>552850</b>

**Wireless Subscriber Base      Annexure-I**  
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Circle	Group						Circle-wise Total		
	Stel		HFCL		Etisalat/Allianz		Jan-11	Feb-11	Net Addition
	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11			
Andhra Pradesh					8356	9990	58246190	59364339	1118149
Assam	52223	57036					10868336	11335680	467344
Bihar	1324804	1436716			5667	8843	50923851	52100177	1176326
Delhi					273634	378007	36676141	37539635	863494
Gujarat					10295	12230	44592239	45881267	1289028
Himachal Pradesh	413898	422760					6983701	7044865	61164
Haryana					4502	5298	19211646	19816929	605283
J & K							5427181	5543141	115960
Karnataka					8629	9183	47412221	48465542	1053321
Kerala					3087	4010	30542377	30954858	412481
Kolkata							21911617	22958307	1046690
Madhya Pradesh					19407	23214	42951154	44256394	1305240
Maharashtra					12067	14207	58562753	60515447	1952694
Mumbai					46590	116467	33665929	34326245	660316
North East	23276	28534					6499491	6871767	372276
Orissa	700576	747416					21252681	21877676	624995
Punjab			1282971	1386618	5441	6532	27180526	27817459	636933
Rajasthan					11679	13802	41641179	42380958	739779
Tamil Nadu					12088	13374	67090491	68168580	1078089
U.P.(E)					15652	18819	59835016	61748240	1913224
U.P.(W)					15480	18394	42750910	44443814	1692904
West Bengal							36955727	37970254	1014527
<b>Total</b>	<b>2514777</b>	<b>2692462</b>	<b>1282971</b>	<b>1386618</b>	<b>452574</b>	<b>652370</b>	<b>771181357</b>	<b>791381574</b>	<b>20200217</b>
<b>Net Additions during February-2011</b>		<b>177685</b>		<b>103647</b>		<b>199796</b>		<b>20200217</b>	

## Annexure II

## Proportion of Peak VLR for the Month of February 2011 (In %)

Circle	Aircel	Bharti	BSNL	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor	Videocon	Vodafone	Total
Andhra Pradesh	50.19	97.35	65.37	22.46		91.00			67.56		65.71	57.10	43.47	16.14	57.15	74.35
Assam	78.81	96.27	54.21			76.90	28.57		71.25	41.78		54.97			73.52	77.74
Bihar	59.35	97.59	58.76	21.00		81.53			63.86	38.96	36.12	43.95	54.23	21.59	79.66	71.84
Delhi	52.60	80.89		44.39		92.11		39.93	72.06		26.79	43.55			94.23	71.21
Gujarat	54.43	83.92	57.89	79.96		92.63			63.38		30.93	55.64	49.96	57.30	81.46	74.34
Himachal Pradesh	56.49	93.66	56.19			64.92			61.48	48.44		36.17		38.23	87.61	66.00
Haryana	41.32	95.86	49.00	17.97		88.31	25.45		61.97		18.30	55.90		37.02	87.90	69.44
J & K	76.41	96.38	62.71			93.42			68.55			60.83			73.17	80.56
Karnataka	43.21	94.42	58.46	12.39		92.81			66.29		74.02	57.59	46.06	4.92	61.74	73.11
Kerala	32.08	88.49	62.50	10.07		91.21			64.62		49.58	49.39	27.47	27.36	75.89	69.45
Kolkata	52.11	88.14	32.34			52.93	3.85		62.57		55.13	52.16	40.93		87.36	63.77
Madhya Pradesh	52.16	93.80	42.75	11.82		105.47	17.44		62.29		110.92	60.52		36.63	57.08	75.22
Maharashtra	48.21	94.34	63.89	31.29		100.76			69.06		59.32	51.30	55.95	31.71	84.26	77.45
Mumbai	47.31	85.15		33.88		88.24	43.88	32.66	70.69		18.66	37.62	40.89	59.64	72.58	59.04
North East	74.59	96.13	51.81			73.75	75.00		68.05	38.72		54.72			68.27	74.15
Orissa	49.59	93.76	59.72			42.84	16.05		63.56	32.25	125.00	46.55	33.26	7.94	67.12	63.57
Punjab	59.62	94.05	55.67	20.73	44.59	90.99	30.19		63.99		164.63	52.03			81.14	73.27
Rajasthan	45.03	94.24	44.36	26.94		101.29	10.79		63.46		44.11	45.47		37.40	71.80	71.23
Tamil Nadu	53.24	92.60	49.93	9.88		61.13			63.18		53.74	47.49	34.42	44.54	80.42	64.60
U.P.(E)	63.30	95.00	43.76	23.04		100.75			64.34		57.62	49.01	65.71	52.14	80.87	72.39
U.P.(W)	58.25	82.20	44.89	17.58		95.81			62.18		56.91	43.92	58.48	35.79	77.51	69.38
West Bengal	86.29	86.87	50.43			46.14			67.26		68.63	39.86	48.83	20.85	88.37	73.10
<b>Total</b>	<b>57.21</b>	<b>92.52</b>	<b>53.22</b>	<b>37.52</b>	<b>44.59</b>	<b>92.65</b>	<b>43.87</b>	<b>36.16</b>	<b>65.36</b>	<b>38.64</b>	<b>50.68</b>	<b>49.82</b>	<b>50.66</b>	<b>46.62</b>	<b>78.41</b>	<b>71.14</b>

**Wireline Subscriber Base**  
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**Annexure-III**

Circle	GROUP														Circle-wise Total		
	BSNL		MTNL		Bharti		Reliance		Tata		HFCL		Sistema		Jan-11	Feb-11	Net Addition
	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Jan-11	Feb-11	Net Addition
Andhra Pradesh	2014095	2009036			124194	124368	85408	85930	156888	157548					2380585	2376882	-3703
Assam	255229	255603							1949	2080					257178	257683	505
Bihar	1209676	1209211					4193	4299	8778	8574					1222647	1222084	-563
Delhi			1545252	1544531	1042334	1050490	175446	175942	58178	58853					2821210	2829816	8606
Gujarat	1733442	1725297			53650	54128	116978	116825	61375	62372					1965445	1958622	-6823
Himachal Pradesh	335281	333960					3977	3977	1621	1717					340879	339654	-1225
Haryana	631315	628424			23095	23097	3842	3910	13396	13836					671648	669267	-2381
J & K	215360	215821					18	18	133	166					215511	216005	494
Karnataka	2038251	2036485			485572	485914	104857	105497	113244	114087					2741924	2741983	59
Kerala	3182297	3183723			54455	54597	53037	53134	10543	10577					3300332	3302031	1699
Kolkata	1208395	1205235			87605	88670	87542	86939	27234	27872					1410776	1408716	-2060
Madhya Pradesh	1076015	1056213			304416	304449	32911	32853	5342	5460					1418684	1398975	-19709
Maharashtra	2504955	2495525			68937	69368	94519	95487	200660	202651					2869071	2863031	-6040
Mumbai			1917636	1913868	328980	329491	217719	219432	519295	519682					2983630	2982473	-1157
North East	270348	269292							157	160					270505	269452	-1053
Orissa	556851	557381					3955	3997	6246	6439					567052	567817	765
Punjab	1228975	1229887			103801	103943	38274	38065	14784	14382	187676	188943			1573510	1575220	1710
Rajasthan	1233733	1208645			38545	38572	22424	22676	4774	4729			39403	38037	1338879	1312659	-26220
Tamil Nadu	2820269	2805285			480254	480446	138683	139246	56228	56383					3495434	3481360	-14074
U.P.(E)	1374557	1373940			49082	49346	35631	36237	10981	11127					1470251	1470650	399
U.P.(W)	821742	820600			23716	23779	5466	5433	6292	6351					857216	856163	-1053
West Bengal	766534	758473					2046	2163	3984	4133					772564	764769	-7795
<b>Operator-wise Total</b>	<b>25477320</b>	<b>25378036</b>	<b>3462888</b>	<b>3458399</b>	<b>3268636</b>	<b>3280658</b>	<b>1226926</b>	<b>1232060</b>	<b>1282082</b>	<b>1289179</b>	<b>187676</b>	<b>188943</b>	<b>39403</b>	<b>38037</b>	<b>34944931</b>	<b>34865312</b>	<b>-79619</b>
<b>Net Additions during February-2011</b>		<b>-99284</b>		<b>-4489</b>		<b>12022</b>		<b>5134</b>		<b>7097</b>		<b>1267</b>		<b>-1366</b>		<b>-79619</b>	

**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.