

## Information Note to the Press (Press Release No. 41 /2011)

### TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 7<sup>th</sup> July, 2011

For Immediate release

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

### Highlights of Telecom Subscription Data as on 31st May, 2011

Particulars	Wireless	Wireline	Total Wireless + Wireline
<b>Total Subscribers</b>	<b>840.28</b>	<b>34.40</b>	<b>874.68</b>
Total Net Addition	13.35	-0.15	13.20
% of Monthly Growth	1.61%	-0.44%	1.53%
<b>Urban Subscribers</b>	<b>554.75</b>	<b>25.87</b>	<b>580.62</b>
Urban Subscribers Net Addition	7.33	-0.07	7.25
% of Monthly Growth	1.34%	-0.30%	1.27%
<b>Rural Subscribers</b>	<b>285.53</b>	<b>8.53</b>	<b>294.07</b>
Rural Subscribers Net Addition	6.02	-0.07	5.95
% of Monthly Growth	2.15%	-0.86%	2.06%
<b>Teledensity</b>	<b>70.23</b>	<b>2.88</b>	<b>73.11</b>
Urban Teledensity	154.18	7.19	161.37
Rural Teledensity	34.13	1.02	35.15
Share of Urban Subscriber	66.02%	75.19%	66.38%
Share of Rural Subscriber	33.98%	24.81%	33.62%

- ❖ **Mobile Number Portability requests increase from 85.41 lakh subscribers at the end of April 2011 to 105.70 lakh subscribers at the end of May 2011.**
- ❖ **Active wireless subscribers on the date of peak VLR in May- 2011 are 588.13 Million**
- ❖ **Broadband subscription reaches 12.12 Million in May-2011 from 12.01 Million in April-2011**

### **Total Telephone Subscribers**

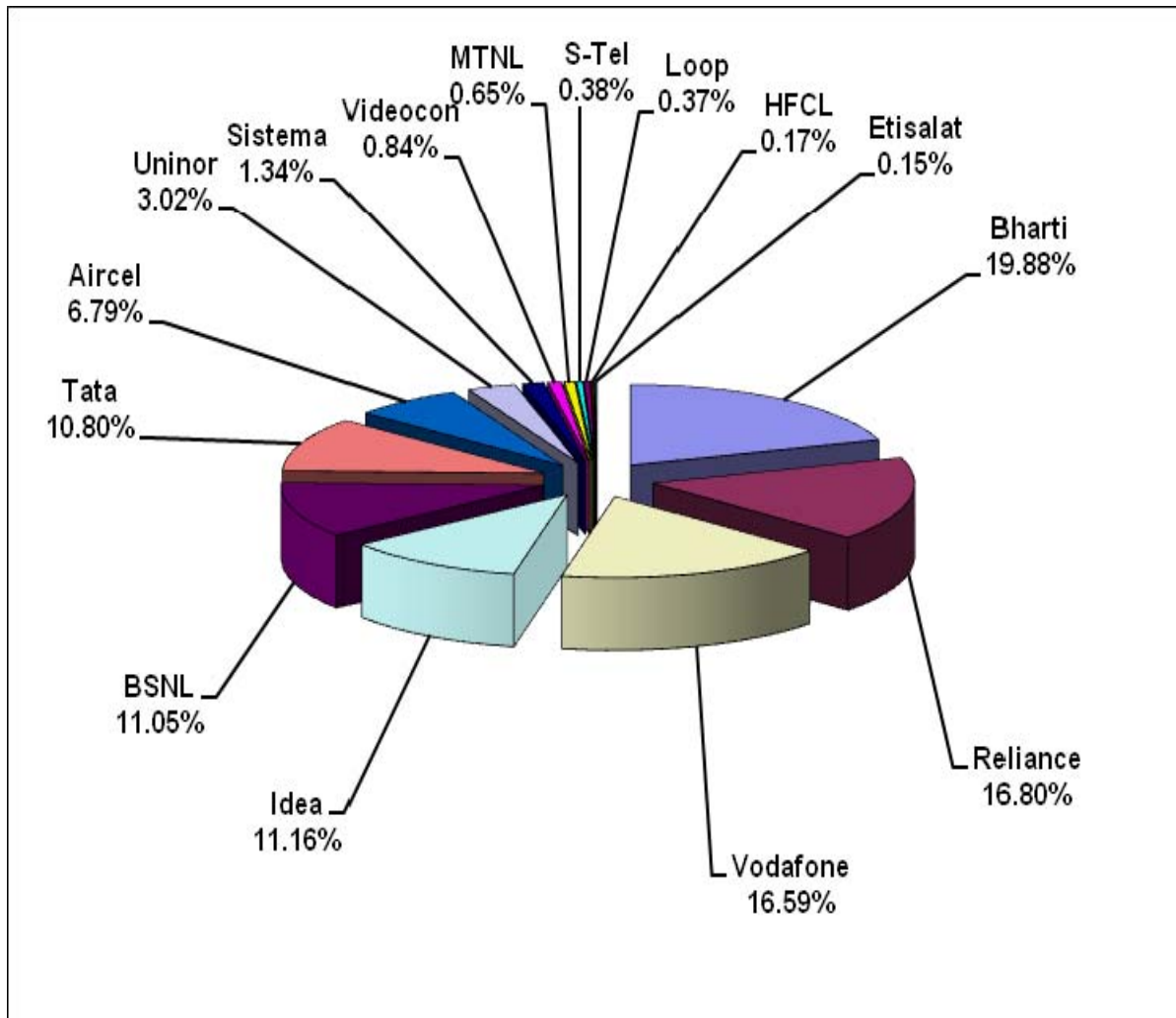
- The number of telephone subscribers in India increased to **874.68** Million at the end of May 2011 from 861.48 Million at the end of April 2011, thereby registering a growth rate of 1.53%. The share of Urban Subscriber has marginally declined to 66.38% from 66.56% where as share of Rural Subscribers has marginally increased from 33.44% to 33.62%. With this, ***the overall Tele-density in India reaches to 73.11 at the end of May, 2011 from 72.08 of the previous month.***
- Subscription in Urban Areas grew from 573.36 million in April 2011 to 580.62 million at the end of May 2011. Rural subscription increased from 288.12 million to 294.07 million. The growth of Rural Subscription (2.06%) is higher than the Urban Subscription (1.27%). **The overall Urban teledensity has increased from 159.63 to 161.37 and Rural teledensity increased from 34.47 to 35.15.**

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

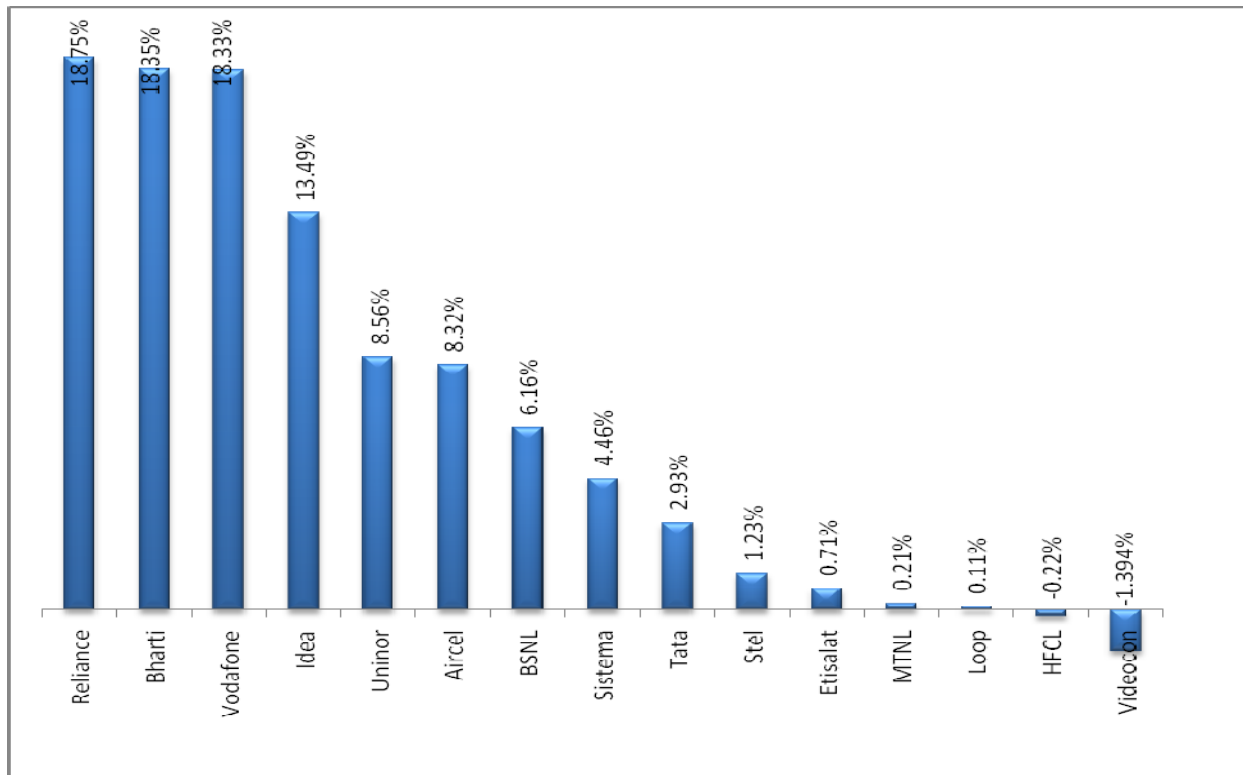
- Total Wireless subscriber base increased from 826.93 Million in April 2011 to 840.28 Million at the end of May 2011, registering a growth of 1.61%. The share of Urban Subscriber has marginally decreased to 66.02% from 66.20% where as share of Rural Subscribers has marginally increased from 33.80% to 33.98%. ***The overall wireless Tele-density in India reaches 70.23.***
- Wireless subscription in Urban Areas increased from 547.42 million in April 2011 to 554.75 million at the end of May 2011. Rural subscription increased from 279.51 million to 285.53 million during the same period. This shows higher growth in Rural Subscription (2.15%) than Urban Subscription (1.34%). **The Urban wireless teledensity has increased from 152.41 to 154.18 and Rural teledensity has increased from 33.44 to 34.13.** Detailed statistics is at Annexure-I.

- Private operators hold 88.30% of the wireless market share where as BSNL and MTNL, two PSU operators hold only 11.70% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of May 2011 are given below:

**A. Service Provider wise Market Share as on 31.05.2011**



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



**VLR Data**

- Out of the total 840.28 Million subscribers, 588.13 Million subscribers were active subscribers on the date of Peak VLR for the month of May 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 69.99% of the total wireless subscriber base reported by the service providers. Circle-wise, Jammu & Kashmir has the highest proportion of VLR subscribers with 80.97% followed by Assam (77.43%) and Maharashtra (75.11%); Mumbai has the lowest proportion with 55.35%. Service Provider wise, Idea leads the tally with 92.33% followed by Bharti with 89.10%; MTNL is at the bottom with 34.39%. The detailed statistics of proportionate VLR is at Annexure II & the methodology used for reporting subscriber base/active subscribers is at Annexure IV.

## **Mobile Number Portability**

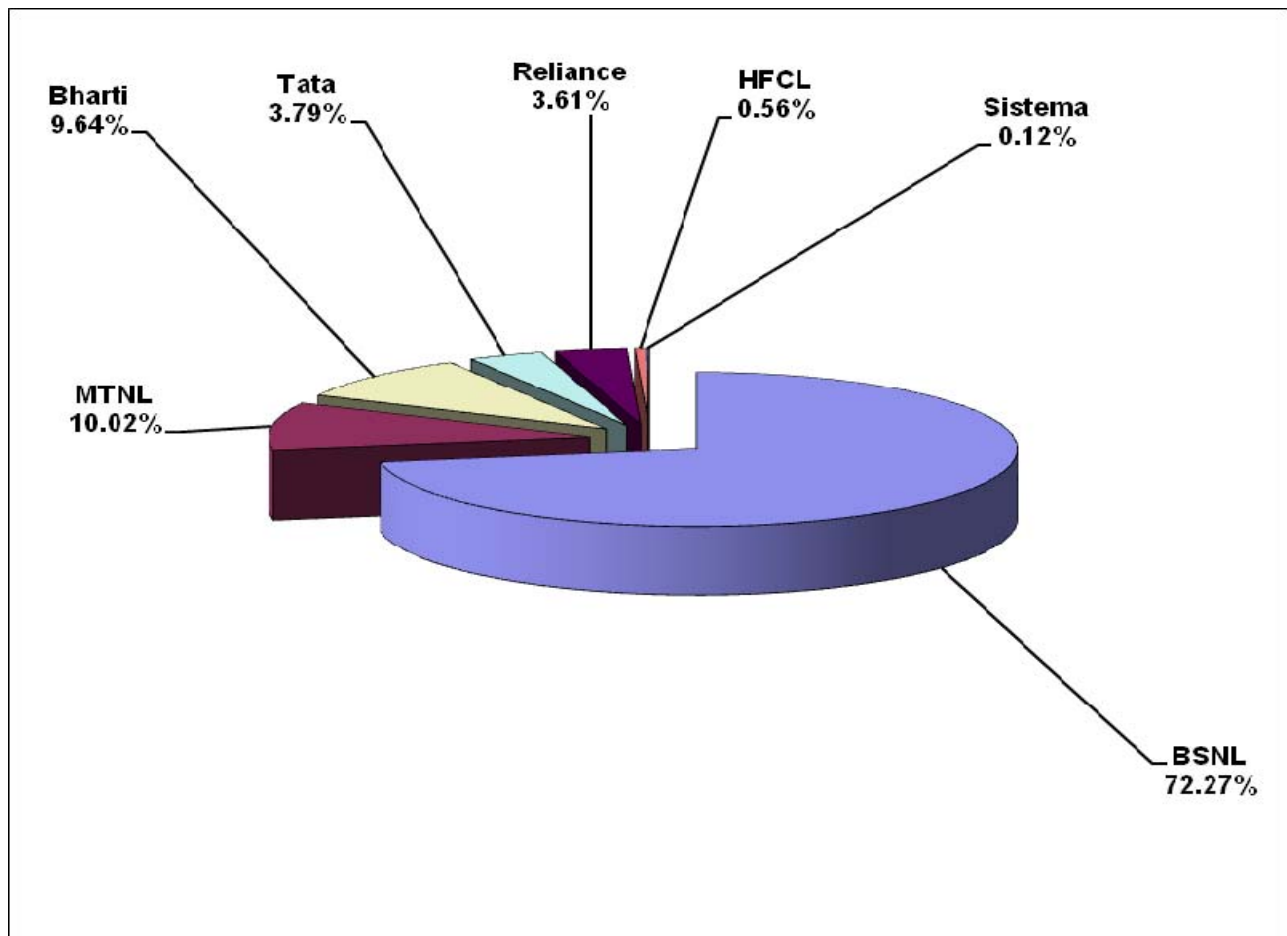
- As per the data reported by the service providers, by the end of May 2011 about 105.70 lakh subscribers have submitted their requests to different service providers for porting their mobile number. Out of these requests around 6.32 lakh pertains to Haryana wherein MNP was implemented from 25<sup>th</sup> Nov. 2010. In rest of the country, in MNP Zone-I (Northern & Western India) maximum number of requests have been received in Gujarat (10.53 lakh) followed by Rajasthan (8.25 lakh) whereas in MNP Zone-II (Southern & Eastern India) maximum number of requests have been received in Karnataka (7.95 lakh) followed by Tamil Nadu Service area(7.74 lakh). The status of MNP requests in various service areas is given below:

<b>Service Area Wise MNP Status at the end of May 2011</b>			
<b>Zone - 1</b>		<b>Zone - 2</b>	
<b>Service Area</b>	<b>Number of Porting Requests</b>	<b>Service Area</b>	<b>Number of Porting Requests</b>
Delhi	557,298	Andhra Pradesh	746,115
Gujarat	<b>1,052,582</b>	Assam	29,315
Himachal Pradesh	47,935	Bihar	242,933
Haryana	632,377	Karnataka	<b>794,865</b>
Jammu & Kashmir	2,496	Kerala	379,428
Maharashtra	770,653	Kolkata	263,613
Mumbai	387,329	Madhya Pradesh	703,108
Punjab	503,590	North East	7,960
Rajasthan	825,432	Orissa	212,808
Uttar pradesh - East	542,662	Tamil Nadu	774,038
Uttar pradesh - West	643,970	West Bengal	449,803
<b>Total</b>	<b>5,966,324</b>	<b>Total</b>	<b>4,603,986</b>
<b>Total (Zone 1 + Zone 2)</b>	<b>10,570,310</b>		

## Wireline Segment

- Wireline subscriber base declined from 34.55 Million in April 2011 to 34.40 Million at the end of May 2011. The share of Urban Subscriber has increased from 75.08% to 75.19% where as share of Rural Subscribers has declined to 24.81% from 24.92%. **The overall wireline Tele-density in India declines to 2.88 with urban and rural teledensity being 7.19 and 1.02 respectively.** BSNL and MTNL, two PSU operators hold 82.29% of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service provider as on 31st May 2011 is given below:

### Service Provider wise Market Share as on 31.05.2011



### **Circle wise Growth**

- From the below table, Circle B shows the highest net addition whereas Circle C registered the highest rate of monthly growth in the wireless sector from April 2011 to May 2011.

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

Category	Net Additions	
	Wireline	Wireless
Circle A	-78194	2424449
Circle B	-97109	6357159
Circle C	-3320	2942654
Metro	2013	1627619
<b>All India</b>	<b>-176610</b>	<b>13351881</b>

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

Category	Monthly Rate of Growth (April-2011 to May-2011)		Yearly rate of growth (May-2010 to May-2011)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.58%	0.83%	-3.37%	32.40%
Circle B	-0.86%	1.95%	-10.83%	39.94%
Circle C	-0.12%	2.69%	-11.28%	37.55%
Metro	0.03%	1.65%	1.45%	33.21%
<b>All India</b>	<b>-0.51%</b>	<b>1.61%</b>	<b>-5.69%</b>	<b>36.07%</b>

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

Total Broadband subscriber base has increased from 12.01 million in April 2011 to 12.12 million in May 2011, there by showing a growth of 0.92 %.

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

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**Wireless Subscriber Base**  
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Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel / Dishnet	
	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11
Andhra Pradesh	16772128	16993517	8665470	8286538	7251421	7310154	8891115	8488744	8279417	8331480	1747837	1655162
Assam	3194326	3311174	2140272	2185564	1469893	1592014	122123	120474	271278	293493	3229643	3314827
Bihar	15406861	15775194	8393225	8557068	5101456	5173645	5283919	5351391	4737514	5003430	4613823	4711546
Delhi	8124792	8227043	8404728	8656295	7514234	7664537	5871400	5941543	3911903	3937339	2108254	2175676
Gujarat	6641918	6661911	7910353	8097167	14447830	14665665	3649822	3777055	7233916	7247179	449831	505043
Himachal Pradesh	1642625	1674934	1549202	1587946	332323	345393	404902	411181	366709	378304	489663	522099
Haryana	2112955	2147372	3822436	3868854	4010503	4090683	2993544	3021585	3217956	3305005	761224	694995
J & K	1839435	1856608	463069	469049	525335	544736	109489	110180	130082	123863	1710456	1690960
Karnataka	14680162	14797972	7796478	7842532	6477065	6528386	7226438	7015278	4162571	4265716	1667891	1718814
Kerala	3435781	3449144	3847189	3906303	5336778	5435101	2720412	2731775	6768742	6845143	2188079	2303040
Kolkata	3640744	3659718	5074541	5152601	4318250	4348587	3382999	3404394	696119	738548	1552925	1611339
Madhya Pradesh	9365818	9504848	11104002	11322891	2837981	2966027	5036244	5081650	11511478	11756472	714055	728253
Maharashtra	8573490	8673792	9264922	9460596	11486636	11717802	10320403	10433074	13186240	13256821	1028354	990936
Mumbai	3514321	3550309	7560567	7734412	5829750	5856478	6042122	6098513	2136976	2228867	1176967	1141044
North East	2030822	2077542	658363	686462	805615	853362	87422	82066	192638	209917	2079915	2165087
Orissa	5240520	5330214	3863433	4028593	2254994	2310015	2596285	2611056	663988	673688	2411222	2467895
Punjab	6339010	6457496	4104243	4329866	4037124	4101191	3497289	3497809	4404592	4450870	653364	669863
Rajasthan	12346734	12449845	7002816	7252069	8582483	8658135	4284804	4312564	3102172	3068554	754431	828320
Tamil Nadu	12683488	12768087	8321865	8387512	11068670	11248422	4929805	4947655	1252962	1288370	19916034	20251442
U.P.(E)	12374551	12800376	12320409	12493214	13663230	13986764	4609470	4714626	5980613	6338000	2032583	2106456
U.P.(W)	6111053	6240100	9597975	9742562	8957665	9159315	5070371	5212886	8186048	8521953	1791228	1864492
West Bengal	8543153	8658093	6792063	7112365	10669967	10870357	3253508	3409344	1560241	1491752	2872678	2944535
<b>Total</b>	<b>164614687</b>	<b>167065289</b>	<b>138657621</b>	<b>141160459</b>	<b>136979203</b>	<b>139426769</b>	<b>90383886</b>	<b>90774843</b>	<b>91954155</b>	<b>93754764</b>	<b>55950457</b>	<b>57061824</b>
<b>Net Additions during May-2011</b>		<b>2450602</b>		<b>2502838</b>		<b>2447566</b>		<b>390957</b>		<b>1800609</b>		<b>1111367</b>

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

Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11
Andhra Pradesh	7548205	7753666			2271666	2342188	372312	414006		0	9606	9888
Assam	1495495	1512190				0	6	4	78	86		0
Bihar	6041720	6057089			2652030	2811398	854121	945334		0	13479	15877
Delhi	0	0	2641260	2650962		0	724151	769028		0		0
Gujarat	4000253	4034187			1909998	1964986	53380	61460		0	1681163	1559713
Himachal Pradesh	1667537	1685013				0	0	23		0	86002	88344
Haryana	3042050	3047686				0	131287	140015	101	96	1010434	906746
J & K	851805	884134				0	0	0		0		0
Karnataka	5800669	5901408			980545	1097577	1342600	1434080		0	9295	9958
Kerala	5926097	5998985			661557	693617	509329	530269		0	416284	394822
Kolkata	2357616	2360270			1311931	1355725	674827	697260	974	1111		0
Madhya Pradesh	4985648	4975335				0	437	516	88	91	1175974	1183626
Maharashtra	6391542	6435935			2159123	2197374	478821	517726		0	11365	12232
Mumbai	0	0	2832188	2850438	1024017	1106495	687359	719604	3113501	3128405	1317619	1347514
North East	1476599	1512737				0	0	0	20	20		0
Orissa	3874982	3937994			940961	1089713	86	80	433	496	8234	9114
Punjab	4583327	4620140				0	131	93	92	91		0
Rajasthan	5654157	5686215				0	1976186	2037057	245	247	8694	9047
Tamil Nadu	8445363	8494460			1346109	1296162	1442106	1487664		0	1448020	1461121
U.P.(E)	10062382	10112847			3942997	4052377	71337	90713		0	20030	20009
U.P.(W)	4434278	4471319			2839339	2996857	67029	83994		0	9546	9538
West Bengal	3367622	3348788			2203033	2381818	1250375	1302405		0	14614	16649
<b>Total</b>	<b>92007347</b>	<b>92830398</b>	<b>5473448</b>	<b>5501400</b>	<b>24243306</b>	<b>25386287</b>	<b>10635880</b>	<b>11231331</b>	<b>3115532</b>	<b>3130643</b>	<b>7240359</b>	<b>7054198</b>
<b>Net Additions during May-2011</b>		<b>823051</b>		<b>27952</b>		<b>1142981</b>		<b>595451</b>		<b>15111</b>		<b>-186161</b>

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

Circle	Group						Circle-wise Total		
	S-tel		HFCL		Etisalat/Allianz		Apr-11	May-11	Net Addition
	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11			
Andhra Pradesh		0			17792	20875	61826969	61606218	-220751
Assam	66433	72488				0	11989547	12402314	412767
Bihar	1626127	1787162			18596	22803	54742871	56211937	1469066
Delhi		0			657076	681695	39957798	40704118	746320
Gujarat		0			16554	18700	47995018	48593066	598048
Himachal Pradesh	436330	428831				0	6975293	7122068	146775
Haryana		0			7610	8373	21110100	21231410	121310
J & K		0				0	5629671	5679530	49859
Karnataka		0			14199	16258	50157913	50627979	470066
Kerala		0			6889	7884	31817137	32296083	478946
Kolkata		0				0	23010926	23329553	318627
Madhya Pradesh		0			35962	41367	46767687	47561076	793389
Maharashtra		0			19393	21612	62920289	63717900	797611
Mumbai		0			313777	349757	35549164	36111836	562672
North East	36504	38523				0	7367898	7625716	257818
Orissa	836291	838940				0	22691429	23297798	606369
Punjab		0	1468235	1439350	9253	10549	29096660	29577318	480658
Rajasthan		0			18736	20858	43731458	44322911	591453
Tamil Nadu		0			18317	21319	70872739	71652214	779475
U.P.(E)		0			25662	28559	65103264	66743941	1640677
U.P.(W)		0			25299	28689	47089831	48331705	1241874
West Bengal		0				0	40527254	41536106	1008852
<b>Total</b>	<b>3001685</b>	<b>3165944</b>	<b>1468235</b>	<b>1439350</b>	<b>1205115</b>	<b>1299298</b>	<b>826930916</b>	<b>840282797</b>	<b>13351881</b>
<b>Net Additions during May-2011</b>		<b>164259</b>		<b>-28885</b>		<b>94183</b>		<b>13351881</b>	

**Annexure II**

**Proportion of Peak VLR for the month of May 2011 (%)**

Circle	Aircel	Bharti	BSNL(Exept CDMA)	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor	Videocon	Vodafone	Total
Andhra Pradesh	49.72	92.35	63.87	22.23		90.69			66.54		59.60	55.83	48.98	4.36	58.61	<b>72.98</b>
Assam	78.33	92.09	50.99			83.05	19.77		71.29	63.82	4450.00	61.83			79.39	<b>77.43</b>
Bihar	48.23	97.27	60.82	26.24		86.39			63.61	35.84	36.61	43.41	61.95	20.10	91.33	<b>72.68</b>
Delhi	47.63	72.54		49.38		86.89		39.42	68.81		28.16	40.93			88.36	<b>66.79</b>
Gujarat	54.55	81.23	56.42	22.88		90.15			58.87		32.08	52.27	55.85	53.74	81.20	<b>72.25</b>
Himachal Pradesh	83.11	92.96	58.30			88.55			58.64	48.46		36.05		39.85	93.41	<b>69.55</b>
Haryana	30.33	89.69	47.97	24.54		85.19	18.75		58.55		17.16	54.21		34.58	92.54	<b>68.03</b>
J & K	81.34	93.84	63.96			91.67			68.89			60.01			75.74	<b>80.97</b>
Karnataka	39.05	92.45	55.07	16.38		94.73			64.05		70.77	59.38	43.41	2.05	65.84	<b>72.34</b>
Kerala	30.49	88.84	63.15	21.75		93.57			63.69		52.61	49.30	24.67	24.49	78.96	<b>70.08</b>
Kolkata	51.57	81.52	33.64			79.55	4.23		60.40		54.12	52.47	44.49		80.05	<b>62.39</b>
Madhya Pradesh	51.16	89.25	45.64	22.80		97.96	16.48		61.75		54.65	58.36		32.01	68.40	<b>73.63</b>
Maharashtra	50.28	89.92	62.89	24.79		96.69			64.68		50.96	49.16	55.34	12.56	85.02	<b>75.11</b>
Mumbai	51.02	76.61		42.16		79.97	40.60	29.72	68.89		16.43	34.00	36.21	42.49	70.81	<b>55.35</b>
North East	69.31	85.99	59.05			80.32	40.00		63.00	31.66		55.30			72.60	<b>71.58</b>
Orissa	48.81	92.41	58.90			68.70	7.66		58.74	33.35	357.50	45.42	34.10	10.59	74.42	<b>63.68</b>
Punjab	52.17	90.24	53.14	25.53	41.04	92.84	20.88		60.01		217.20	49.02			82.84	<b>71.23</b>
Rajasthan	54.57	92.75	47.17	30.54		102.06	6.07		61.28		42.91	42.78		11.89	76.35	<b>71.28</b>
Tamil Nadu	51.80	88.99	46.66	13.93		68.27			57.49		52.75	45.25	42.20	39.95	82.09	<b>62.68</b>
U.P.(E)	63.76	96.85	43.32	36.25		95.06			60.71		44.52	47.16	72.31	32.10	88.14	<b>73.82</b>
U.P.(W)	55.20	75.63	45.35	27.53		96.52			58.27		46.69	44.37	61.81	16.05	85.92	<b>69.86</b>
West Bengal	53.15	79.38	49.03			70.26			63.95		68.53	34.45	56.66	17.95	89.69	<b>69.45</b>
<b>Total</b>	<b>53.65</b>	<b>89.10</b>	<b>53.01</b>	<b>42.37</b>	<b>41.04</b>	<b>92.33</b>	<b>40.57</b>	<b>34.39</b>	<b>62.55</b>	<b>37.48</b>	<b>49.31</b>	<b>48.03</b>	<b>54.77</b>	<b>40.22</b>	<b>81.20</b>	<b>69.99</b>

**Wireline Subscriber Base**

**Annexure-III**

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Circle	GROUP														Circle-wise Total		
	BSNL		MTNL		Bharti		Reliance		Tata		HFCL		Sistema		Apr-11	May-11	Net Addition
	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11	Apr-11	May-11			
Andhra Pradesh	1994517	1982182			124515	125107	86417	86719	157159	159152					2362608	2353160	-9448
Assam	254887	254436							2220	2224					257107	256660	-447
Bihar	1183176	1181760					4455	4531	8600	8881					1196231	1195172	-1059
Delhi			1545736	1537268	1065689	1070205	176827	177381	58481	58173					2846733	2843027	-3706
Gujarat	1702541	1692679			54458	54746	116300	116015	62260	62317					1935559	1925757	-9802
Himachal Pradesh	330495	329021					4254	4329	1707	1678					336456	335028	-1428
Haryana	605099	597266			23281	23395	4048	4170	14542	15278					646970	640109	-6861
J & K	216079	215325					18	18	168	174					216265	215517	-748
Karnataka	2026353	2019981			488179	489197	106380	106924	109065	110132					2729977	2726234	-3743
Kerala	3174449	3164854			55295	55422	53387	53598	10691	10813					3293822	3284687	-9135
Kolkata	1192882	1189338			89663	90248	85551	84895	26505	27371					1394601	1391852	-2749
Madhya Pradesh	1013132	1001850			304635	304733	32934	33046	5988	6588					1356689	1346217	-10472
Maharashtra	2467891	2446200			69827	69865	96288	96817	207446	207655					2841452	2820537	-20915
Mumbai			1913549	1908747	330837	331241	221282	222309	526839	528609					2992507	2990906	-1601
North East	267588	260246							160	194					267748	260440	-7308
Orissa	560433	560363					4048	4004	6607	6668					571088	571035	-53
Punjab	1224191	1210257			104716	105064	37405	36984	15066	16077	191293	192725			1572671	1561107	-11564
Rajasthan	1156441	1133230			38863	39046	23016	23158	4494	4559			39303	39965	1262117	1239958	-22159
Tamil Nadu	2746299	2718612			482194	483679	139981	140451	52644	54011					3421118	3396753	-24365
U.P.(E)	1363350	1362863			49846	50189	36922	37299	11411	11678					1461529	1462029	500
U.P.(W)	817527	815926			23920	23951	5440	5335	6524	7068					853411	852280	-1131
West Bengal	729919	725906					2272	2265	4301	5112					736492	733283	-3209
<b>Operator-wise Total</b>	<b>25027249</b>	<b>24862295</b>	<b>3459285</b>	<b>3446015</b>	<b>3305918</b>	<b>3316088</b>	<b>1237225</b>	<b>1240248</b>	<b>1292878</b>	<b>1304412</b>	<b>191293</b>	<b>192725</b>	<b>39303</b>	<b>39965</b>	<b>34553151</b>	<b>34401748</b>	<b>-151403</b>
<b>Net Additions during May-2011</b>		<b>-164954</b>		<b>-13270</b>		<b>10170</b>		<b>3023</b>		<b>11534</b>		<b>1432</b>		<b>662</b>		<b>-151403</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.

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