

Information Note to the Press (Press Release No. 35 /2011)

TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 29th April 2011

For Immediate release

Website: - www.trai.gov.in

Highlights of Telecom Subscription Data as on 31st March 2011

Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers	811.59	34.73	846.32
Total Net Addition	20.21	-0.14	20.07
% of Monthly Growth	2.55%	-0.39%	2.43%
Urban Subscribers	538.05	26.04	564.08
Urban Subscribers Net Addition	12.88	-0.06	12.81
% of Monthly Growth	2.45%	-0.25%	2.32%
Rural Subscribers	273.54	8.69	282.23
Rural Subscribers Net Addition	7.33	-0.07	7.26
% of Monthly Growth	2.75%	-0.81%	2.64%
Teledensity	67.98	2.91	70.89
Urban Teledensity	150.06	7.26	157.32
Rural Teledensity	32.75	1.04	33.79
Share of Urban Subscriber	66.30%	74.97%	66.65%
Share of Rural Subscriber	33.70%	25.03%	33.35%

- ❖ **Mobile Number Portability requests has increased from 38.33 lakh subscribers at the end of February 2011 to 64.23 lakh subscribers at the end of March 2011.**
- ❖ **Active wireless subscribers in VLR in Mar- 2011 is 573.97 Million**
- ❖ **Broadband subscription reaches to 11.87 Million in Mar-2011 from 11.47 Million in Feb-2011**

Total Telephone Subscribers

- The number of telephone subscribers in India increased to **846.32** Million at the end of March 2011 from 826.25 Million at the end of February 2011, thereby registering a growth rate of 2.43%. The share of Urban Subscriber has declined to 66.65% from 66.72% where as share of Rural

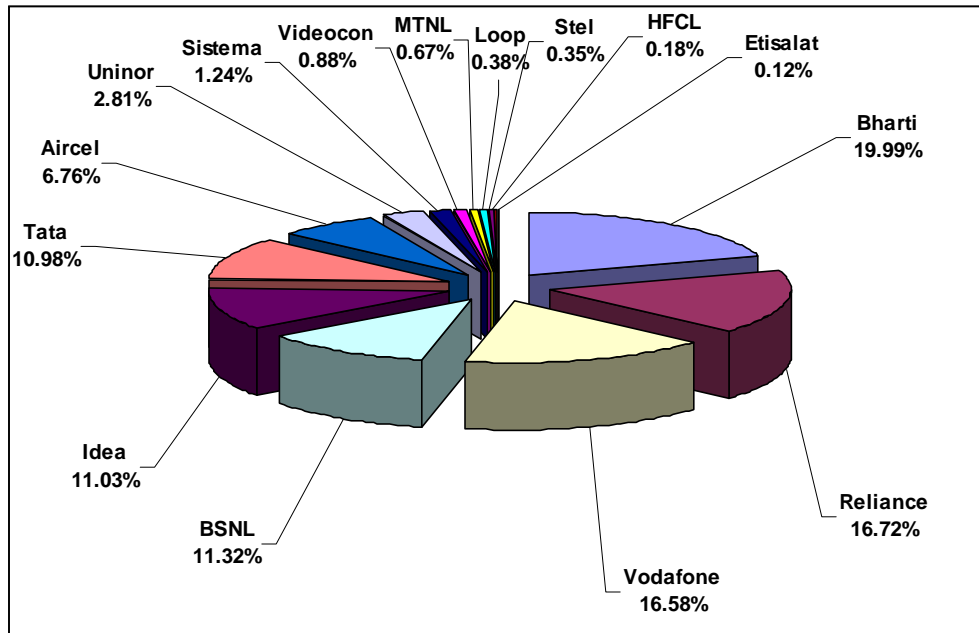
Subscribers has increased from 33.28% to 33.35%. With this, ***the overall Tele-density in India reaches 70.89.***

- Subscription in Urban Areas grew from 551.27 million in February 2011 to 564.08 million at the end of March 2011. Rural subscription increased from 274.98 million to 282.23 million. The growth of Rural Subscription (2.64%) is higher than the Urban Subscription (2.32%). **The overall Urban teledensity has increased from 154.01 to 157.32 and Rural teledensity increased from 32.95 to 33.35.**

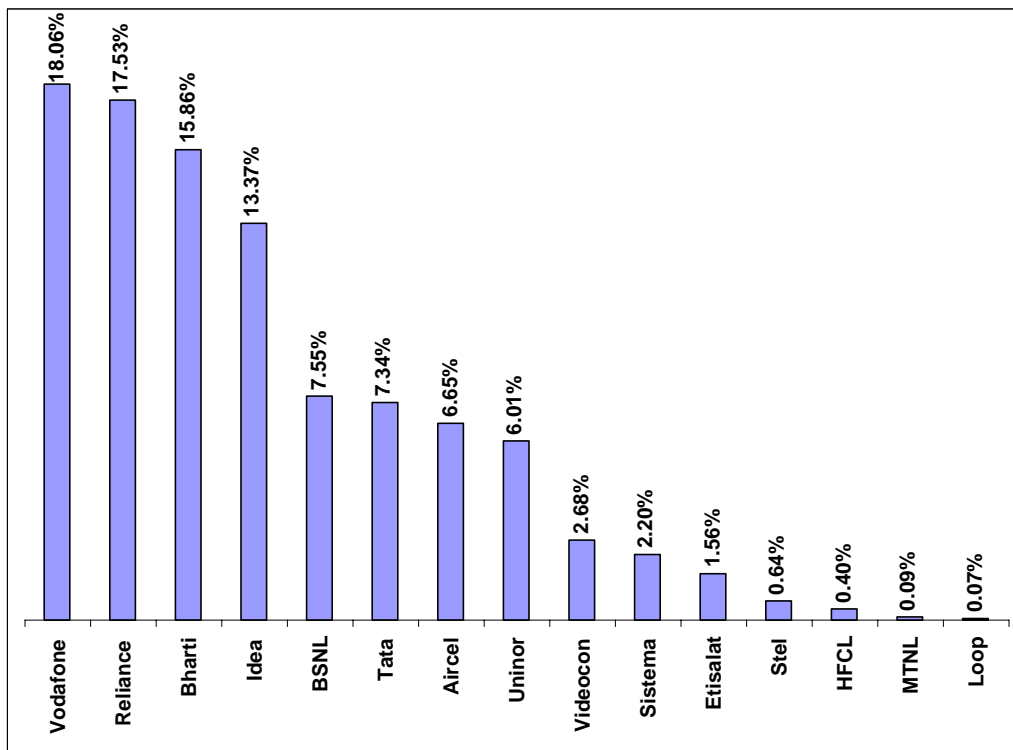
Wireless Segment (GSM, CDMA & FWP)

- Total Wireless subscriber base increased from 791.38 Million in February 2011 to 811.59 Million at the end of March 2011, registering a growth of 2.55%. The share of Urban Subscriber has declined to 66.30% from 66.36% where as share of Rural Subscribers has increased from 33.64% to 33.70%. **The overall wireless Tele-density in India reaches 67.98.**
- Wireless subscription in Urban Areas increased from 525.17 million in February 2011 to 538.05 million at the end of March 2011. Rural subscription increased from 266.21 million to 273.54 million. This shows higher growth in Rural Subscription (2.75%) than Urban Subscription (2.45%). **The Urban wireless teledensity has increased from 146.72 to 150.06 and Rural teledensity increased from 31.90 to 32.75.** Detailed statistics is at Annexure-I.
- Private operators hold 88.01% of the wireless market share where as BSNL and MTNL, two PSU operators hold only 11.99% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of March 2011 are given below:

A. Service Provider wise Market Share as on 31.03.2011



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



VLR Data

- Out of the total 811.59 Million subscribers, 573.97 Million subscribers were active subscribers on the date of Peak VLR for the month of March 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 5.57 million. The proportion of VLR subscribers is approximately 70.72 % of the total wireless subscriber base reported by the service providers. Circle-wise, Jammu & Kashmir has the highest proportion of VLR subscribers with 79.63% followed by Assam (78.18%) and Maharashtra (76.79%); Mumbai has the lowest proportion with 58.49%. Service Provider wise, Idea leads the tally with 93.07% followed by Bharti with 90.72%; Etisalat is at the bottom with 34.15%. The detailed statistics is at Annexure II & the methodology used for reporting subscriber base/active subscribers is at Annexure IV.

Mobile Number Portability

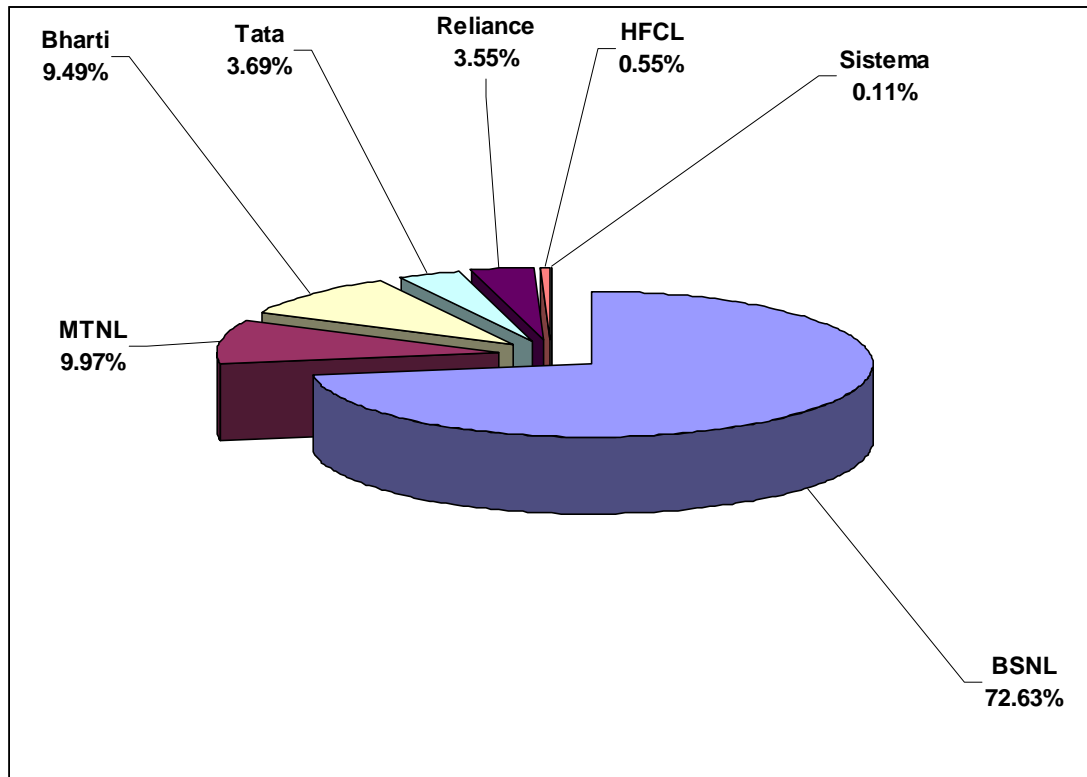
- As per the data reported by the service providers, by the end of March 2011 about 64.23 lakh subscribers have submitted their requests to different service providers for porting their mobile number. Out of these requests around 4.33 lakh pertains to Haryana wherein MNP was implemented from 25th Nov. 2010. In rest of the country, in MNP Zone-I (Northern & Western India) maximum number of requests have been received in Gujarat (6.17 lakh) followed by Rajasthan (5.49 lakh) whereas in MNP Zone-II (Southern & Eastern India) maximum number of requests have been received in Karnataka (5.29 lakh) followed by Tamil Nadu Service area(4.74 lakh). The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of March 2011			
Zone -1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	308,515	Andhra Pradesh	401,988
Gujarat	617,294	Assam	17,762
Himachal Pradesh	30,428	Bihar	144,031
Haryana	433,680	Karnataka	529,020
Jammu & Kashmir	1,894	Kerala	212,658
Maharashtra	440,509	Kolkata	167,237
Mumbai	228,692	Madhya Pradesh	414,511
Punjab	316,069	North East	4,733
Rajasthan	549,258	Orissa	109,203
Uttar pradesh - East	316,554	Tamil Nadu	474,453
Uttar pradesh - West	374,414	West Bengal	329,696
Total	3,617,307	Total	2,805,292
Total (Zone 1 + Zone 2)			6,422,599

Wireline Segment

- Wireline subscriber base declined from 34.87 Million in February 2011 to 34.73 Million at the end of March 2011. The share of Urban Subscriber has increased from 74.87% to 74.97% where as share of Rural Subscribers has declined to 25.03% from 25.13%. **The overall wireline Tele-density in India declines to 2.91 with urban and rural teledensity being 7.26 and 1.04 respectively.** BSNL and MTNL, two PSU operators hold 82.61% of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service provider as on 31st March 2011 is given below:

Service Provider wise Market Share as on 31-03-2011



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 February 2011 to March 2011.

Category wise Net Additions during the Month of March - 2011

Category	Net Additions	
	Wireline	Wireless
Circle A	-52970	6037874
Circle B	-68924	9153194
Circle C	-24480	3008810
Metro	10823	2007649
All India	-135551	20207527

Category-wise Growth Rate in Access Service

Category	Monthly Rate of Growth (February-2011 to March-2011)		Yearly rate of growth (March-2010 to March-2011)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.39%	2.14%	-3.83%	35.86%
Circle B	-0.61%	2.96%	-11.27%	42.21%
Circle C	-0.85%	2.87%	-11.58%	40.26%
Metro	0.15%	2.12%	1.57%	36.03%
All India	-0.39%	2.55%	-6.03%	38.89%

Broadband (\geq 256 Kbps download)

Total Broadband subscriber base has increased from 11.47 million in February 2011 to 11.87 million in March 2011, there by showing a growth of 3.51 %.

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

Contact details in case of any clarification:

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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	
	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11
Andhra Pradesh	16037351	16330634	8355454	8778173	7113770	7184085	8791254	8854550	8000557	8051133	1688621	1691631
Assam	2980162	3049141	2041460	2080137	1290089	1398440	116924	120249	284333	321871	3082905	3155796
Bihar	14693524	15137040	8151637	8335277	4878600	5011319	5138493	5216597	4297119	4498378	4351663	4539136
Delhi	7740300	7988121	7710730	8057140	7001353	7273088	5765691	5824667	3642724	3726043	1998419	2069914
Gujarat	6603934	6624977	7371599	7647990	14093054	14308706	3414379	3543334	6762421	6949010	411316	407313
Himachal Pradesh	1582467	1629159	1448452	1501017	306454	320725	369381	394007	480826	450007	706710	745994
Haryana	2020985	2072122	3554556	3748189	3708379	3883846	2950311	2979632	3003872	3065849	418983	465644
J & K	1947178	1975414	423734	470846	473252	500316	100977	105003	98403	126510	1686657	1742815
Karnataka	14467418	14570437	7511002	7726230	6392204	6439219	7139612	7197042	3875975	4000296	1563988	1624583
Kerala	3407823	3424958	3769449	3813032	5154616	5246322	2706373	2710977	6518343	6586675	2009295	2112495
Kolkata	3540608	3618140	4953838	4907637	4207989	4278094	3300103	3361778	915521	895129	1711655	1760820
Madhya Pradesh	8882390	9210939	10741885	10933858	2605847	2715822	4917914	4991379	10347934	11097347	715792	672860
Maharashtra	8347031	8447877	9066035	9134729	10736352	11240357	10217245	10173838	12540812	12821438	1048555	961237
Mumbai	3384597	3450682	7354806	7428103	5640278	5776011	5910212	5949208	1922508	2000466	1345137	1175693
North East	1877299	1958240	607347	626568	730864	794227	83249	86518	195759	223909	1941017	2024048
Orissa	5045196	5171425	3534661	3636992	2063474	2208525	2560276	2573870	986843	949899	2368333	2372508
Punjab	6072673	6207947	3869401	4054143	3865552	3981357	3320630	3440654	4284548	4412171	538005	610145
Rajasthan	12178233	12263647	6812306	6938232	8430001	8521641	3929277	4141076	2911338	2964458	513117	649466
Tamil Nadu	12327760	12576335	7745365	7955504	10760979	10918417	4896691	4918950	1212801	1243410	19159571	19473743
U.P.(E)	11790162	12050513	11908486	12060306	13099190	13400305	4309199	4501150	5195983	5587104	1855529	2018290
U.P.(W)	5800753	6004516	9086309	9309776	8449002	8749100	4811959	4944065	7591717	7787250	1607864	1733248
West Bengal	8271025	8441216	6158402	6574662	9919433	10419784	2904322	3110169	1730472	1744965	2777337	2835911
Total	158998869	162203480	132176914	135718541	130920732	134569706	87654472	89138713	86800809	89503318	53500469	54843290
Net Additions during March-2011		3204611		3541627		3648974		1484241		2702509		1342821

Wireless Subscriber Base
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Annexure-I

Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11
Andhra Pradesh	6988133	7308540			2072815	2121111	297150	333551			9244	9370
Assam	1482743	1484007							28	62		
Bihar	5938629	5980257			2456838	2498032	737932	788238			10183	12276
Delhi		0	2626644	2637185			675767	692568				
Gujarat	3923784	3977469			1749637	1812632	39197	47913			1499716	1623746
Himachal Pradesh	1660657	1670414									67158	75602
Haryana	3083407	3057475					119538	125170	110	107	951490	984990
J & K	812940	833382										
Karnataka	5472085	5705297			855328	907986	1169818	1257771			8929	8951
Kerala	5906795	5965314			581019	571614	494102	496170			403033	427742
Kolkata	2497345	2487240			1195890	1249336	634760	654386	598	829		
Madhya Pradesh	5003936	5018630					229	351	86	88	1017167	1153790
Maharashtra	6370333	6596309			1762695	1883706	401873	429715			10309	10181
Mumbai		0	2828202	2835896	920413	932609	596202	636461	3077809	3092398	1229614	1303194
North East	1407694	1439509							4	5		
Orissa	3770269	3831699			793449	873785	16	43	299	374	7444	7597
Punjab	4473312	4577025					82	87	106	99		
Rajasthan	5707692	5691079					1876523	1905243	241	242	8428	8665
Tamil Nadu	8174934	8418591			1244944	1293045	1331133	1380106			1301028	1438395
U.P.(E)	10010669	10069644			3502600	3894958	37574	54618			20029	20022
U.P.(W)	4386857	4401674			2642897	2753068	38312	52258			9750	9744
West Bengal	3237200	3320571			1798972	2000259	1162530	1202285			10561	11695
Total	90309414	91834126	5454846	5473081	21577497	22792141	9612738	10056934	3079281	3094204	6564083	7105960
Net Additions during March-2011		1524712		18235		1214644		444196		14923		541877

Wireless Subscriber Base Annexure-I
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Circle	Group						Circle-wise Total		
	Stel		HFCL		Etisalat/Allianz		Feb-11	Mar-11	Net Addition
	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11			
Andhra Pradesh					9990	14058	59364339	60676836	1312497
Assam	57036	61008					11335680	11670711	335031
Bihar	1436716	1510671			8843	14020	52100177	53541241	1441064
Delhi					378007	549815	37539635	38818541	1278906
Gujarat					12230	14553	45881267	46957643	1076376
Himachal Pradesh	422760	429007					7044865	7215932	171067
Haryana					5298	6483	19816929	20389507	572578
J & K							5543141	5754286	211145
Karnataka					9183	11899	48465542	49449711	984169
Kerala					4010	5709	30954858	31361008	406150
Kolkata							22958307	23213389	255082
Madhya Pradesh					23214	30110	44256394	45825174	1568780
Maharashtra					14207	16859	60515447	61716246	1200799
Mumbai					116467	219185	34326245	34799906	473661
North East	28534	31553					6871767	7184577	312810
Orissa	747416	788652					21877676	22415369	537693
Punjab			1386618	1466637	6532	7857	27817459	28758122	940663
Rajasthan					13802	16630	42380958	43100379	719421
Tamil Nadu					13374	16117	68168580	69632613	1464033
U.P.(E)					18819	22475	61748240	63679385	1931145
U.P.(W)					18394	22309	44443814	45767008	1323194
West Bengal							37970254	39661517	1691263
Total	2692462	2820891	1386618	1466637	652370	968079	791381574	811589101	20207527
Net Additions during March-2011		128429		80019		315709		20207527	

Annexure II

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

Circle	Aircel	Bharti	BSNL	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor	Videocon	Vodafone	Total
Andhra Pradesh	49.27	95.29	65.62	17.51		91.43			65.01		63.83	56.50	46.89	8.03	56.13	73.35
Assam	80.92	96.06	53.24			71.34	27.42		70.51	40.92		54.13			76.18	78.18
Bihar	55.69	96.70	59.95	15.81		86.15			62.81	36.61	36.94	44.39	57.72	18.40	83.69	72.21
Delhi	51.09	77.87		39.09		92.07		39.21	70.39		27.81	43.05			92.02	69.61
Gujarat	53.72	81.47	56.57	16.48		93.27			62.79		31.01	54.21	51.92	54.00	81.87	73.73
Himachal Pradesh	55.99	91.60	57.58			75.43			60.17	47.42		36.24		44.63	90.74	66.32
Haryana	40.32	92.22	49.21	16.15		88.75	14.95		61.10		18.70	55.89		35.60	88.91	69.19
J & K	75.94	95.14	62.71			84.56			66.79			59.79			74.38	79.63
Karnataka	41.17	93.34	56.01	10.08		92.62			64.77		72.02	60.45	45.93	3.34	62.18	72.50
Kerala	30.50	87.45	61.89	8.86		91.73			63.38		51.12	50.01	28.15	25.38	75.94	69.05
Kolkata	50.54	84.85	31.45			57.02	5.19		63.17		56.33	52.73	41.30		86.13	63.30
Madhya Pradesh	54.12	90.96	47.56	15.71		100.60	18.18		61.93		55.56	60.46		34.08	60.17	74.44
Maharashtra	52.76	92.84	62.14	90.04		99.28			66.63		57.32	52.08	56.56	11.68	84.55	76.79
Mumbai	52.71	82.45		31.61		86.39	43.54	31.85	70.47		18.89	37.10	41.59	56.45	71.98	58.49
North East	72.82	92.92	56.98			67.76	100.00		66.31	31.61		51.90			72.19	73.90
Orissa	50.11	93.69	59.81			45.82	7.75		60.57	32.46	497.67	47.25	33.10	10.56	68.84	63.56
Punjab	56.12	92.86	53.91	18.99	41.85	92.88	18.18		62.26		170.11	51.70			84.11	72.81
Rajasthan	49.59	93.82	46.53	25.47		103.12	8.68		63.01		44.05	45.02		18.86	73.99	71.74
Tamil Nadu	52.97	90.49	48.61	7.64		69.06			61.70		53.70	47.99	35.64	43.16	80.84	64.00
U.P.(E)	59.41	94.36	43.46	21.74		101.91			63.07		52.49	49.79	66.15	56.28	83.07	72.61
U.P.(W)	57.18	78.08	45.82	21.41		99.25			61.07		54.90	44.63	60.36	65.92	80.20	70.00
West Bengal	64.13	83.13	49.73			48.63			66.00		69.13	38.35	54.65	8.88	90.61	71.19
Total	55.55	90.72	53.28	34.15	41.85	93.07	43.52	35.40	64.14	37.13	50.70	50.02	52.68	44.26	79.47	70.72

Wireline Subscriber Base
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Annexure-III

Circle	GROUP														Circle-wise Total		
	BSNL		MTNL		Bharti		Reliance		Tata		HFCL		Sistema		Feb-11	Mar-11	Net Addition
	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11	Feb-11	Mar-11			
Andhra Pradesh	2009036	2001056			124368	124400	85930	86143	157548	156570					2376882	2368169	-8713
Assam	255603	255584							2080	2099					257683	257683	0
Bihar	1209211	1183267					4299	4382	8574	8576					1222084	1196225	-25859
Delhi			1544531	1546432	1050490	1059694	175942	176311	58853	56381					2829816	2838818	9002
Gujarat	1725297	1714975			54128	54417	116825	116518	62372	61286					1958622	1947196	-11426
Himachal Pradesh	333960	331623					3977	4154	1717	1699					339654	337476	-2178
Haryana	628424	609130			23097	23104	3910	3951	13836	13925					669267	650110	-19157
J & K	215821	216149					18	18	166	166					216005	216333	328
Karnataka	2036485	2040456			485914	487382	105497	105898	114087	108798					2741983	2742534	551
Kerala	3183723	3182212			54597	55037	53134	53194	10577	10346					3302031	3300789	-1242
Kolkata	1205235	1199651			88670	89286	86939	86145	27872	26072					1408716	1401154	-7562
Madhya Pradesh	1056213	1040334			304449	304533	32853	32862	5460	5898					1398975	1383627	-15348
Maharashtra	2495525	2482216			69368	69562	95487	95829	202651	205584					2863031	2853191	-9840
Mumbai			1913868	1917537	329491	330500	219432	220316	519682	523503					2982473	2991856	9383
North East	269292	269235							160	160					269452	269395	-57
Orissa	557381	560504					3997	4024	6439	6575					567817	571103	3286
Punjab	1229887	1231817			103943	104465	38065	37736	14382	15048	188943	189900			1575220	1578966	3746
Rajasthan	1208645	1182757			38572	38721	22676	22855	4729	4428			38037	38440	1312659	1287201	-25458
Tamil Nadu	2805285	2783666			480446	481294	139246	139560	56383	53298					3481360	3457818	-23542
U.P.(E)	1373940	1369941			49346	49718	36237	36568	11127	11359					1470650	1467586	-3064
U.P.(W)	820600	819478			23779	23806	5433	5437	6351	6437					856163	855158	-1005
West Bengal	758473	750854					2163	2290	4133	4229					764769	757373	-7396
Operator-wise Total	25378036	25224905	3458399	3463969	3280658	3295919	1232060	1234191	1289179	1282437	188943	189900	38037	38440	34865312	34729761	-135551
Net Additions during March-2011		-153131		5570		15261		2131		-6742		957		403		-135551	

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.