



TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 30th January, 2012

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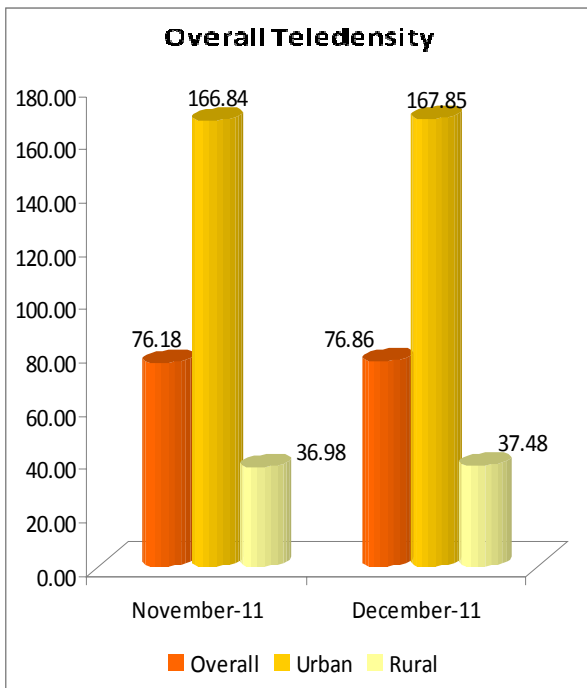
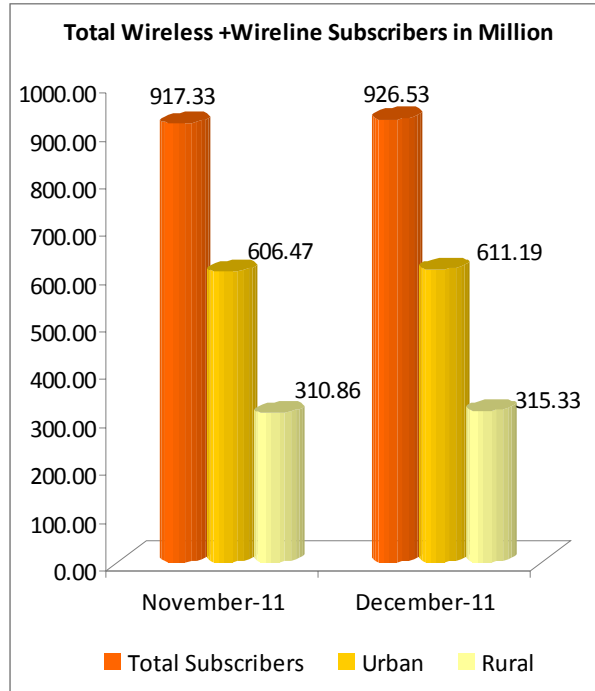
Highlights of Telecom Subscription Data as on 31st December, 2011

Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers (Million)	893.84	32.69	926.53
Total Net Addition (Million)	9.47	-0.28	9.20
% of Monthly Growth	1.07%	-0.84%	1.00%
Urban Subscribers (Million)	586.26	24.94	611.19
Urban Subscribers Net Addition (Million)	4.93	-0.20	4.73
% of Monthly Growth	0.85%	-0.80%	0.78%
Rural Subscribers (Million)	307.59	7.75	315.33
Rural Subscribers Net Addition (Million)	4.54	-0.07	4.47
% of Monthly Growth	1.50%	-0.94%	1.44%
Overall Teledensity	74.15	2.71	76.86
Urban Teledensity	161.01	6.85	167.85
Rural Teledensity	36.56	0.92	37.48
Share of Urban Subscriber	65.59%	76.30%	65.97%
Share of Rural Subscriber	34.41%	23.70%	34.03%

- ❖ Mobile Number Portability requests increased from 258.37 lakh subscribers at the end of November 2011 to 292.40 lakh subscribers at the end of December 2011. In the month of December, 2011 alone 34.03 lakh requests have been made for MNP.
- ❖ Active wireless subscribers on the date of peak VLR in December - 2011 are 646.77 Million.
- ❖ Broadband subscription reached 13.30 Million in December-2011 from 13.13 Million in November-2011.

❖ **Total Telephone Subscribers**

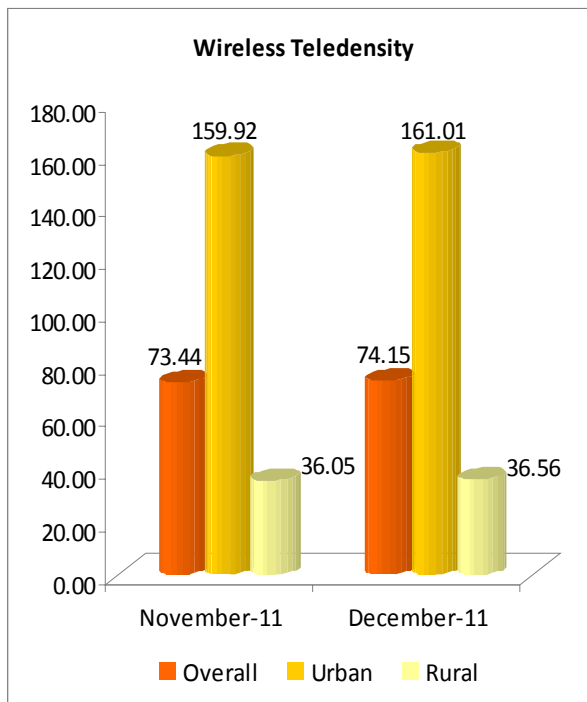
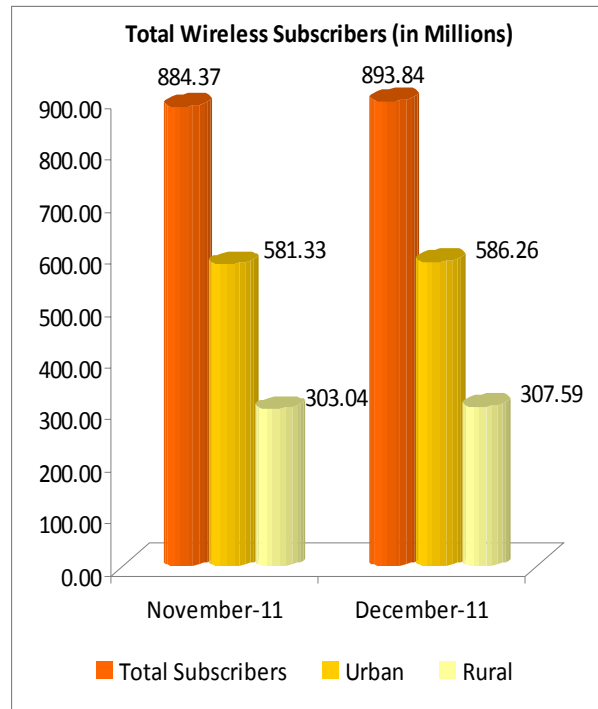
The number of telephone subscribers in India increased to **926.53** Million at the end of December, 2011 from 917.33 Million at the end of November 2011, thereby registering a growth rate of 1.00%. The share of Urban subscribers has declined to 65.97% from 66.11% whereas share of Rural Subscribers has increased to 34.03% in the month of December 2011. With this, the overall Tele-density in India reaches to 76.86 at the end of December, 2011 from 76.18 of the previous month.



Subscription in Urban Areas grew from 606.47 million in November, 2011 to 611.19 million at the end of December, 2011. Subscription in Rural Areas increased from 310.86 million to 315.33 million during the same period. The growth of Urban and Rural Subscription is 0.78% and 1.44% respectively. The overall Urban teledensity has increased from 166.84 to 167.85 and Rural teledensity increased from 36.98 to 37.48.

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

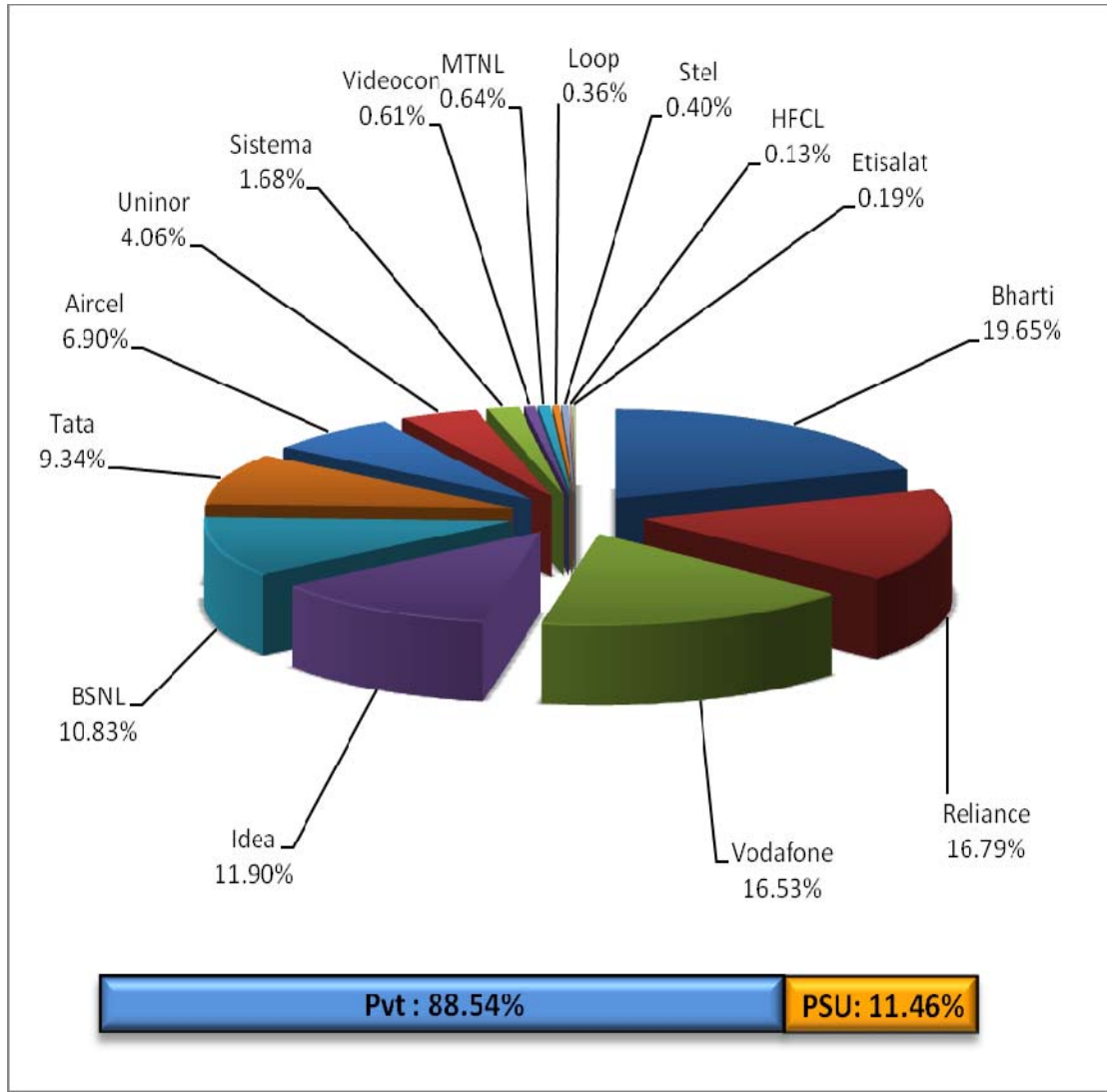
- Total Wireless subscriber base increased from 884.37 Million in November 2011 to 893.84 Million at the end of December 2011, registering a growth of 1.07%. The share of Urban Subscriber has marginally decreased from 65.73% to 65.59% where as share of Rural Subscribers has marginally increased from 34.27% to 34.41%. The overall wireless Tele density in India reaches 74.15.



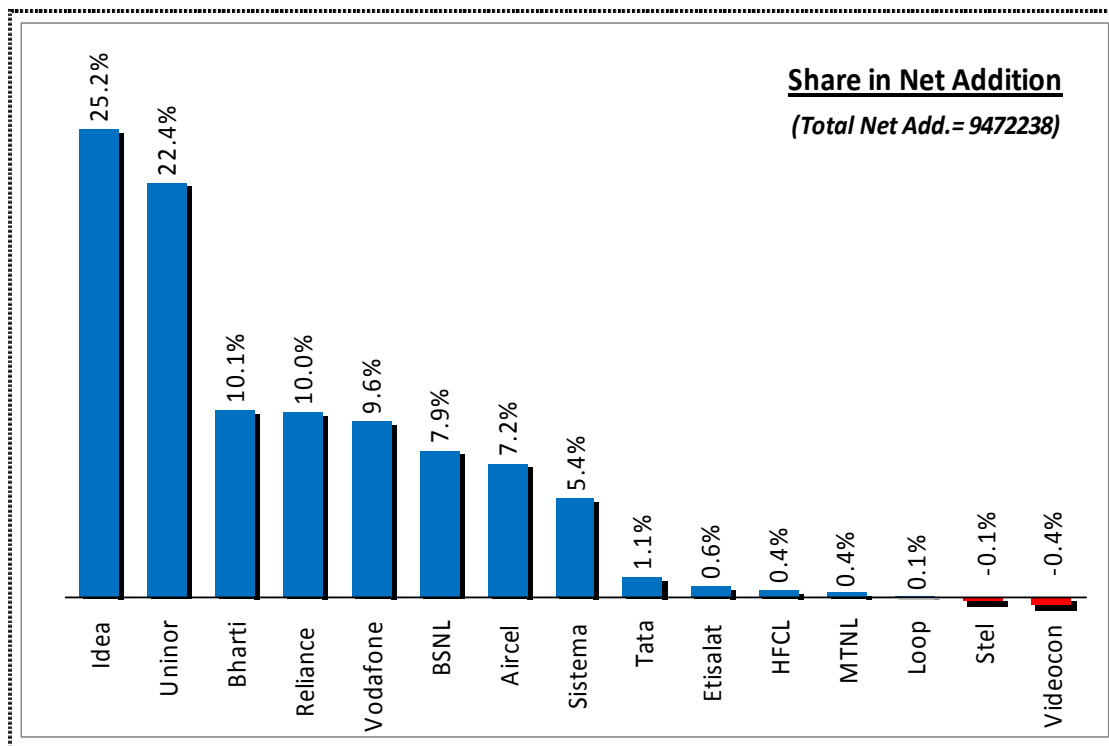
- Wireless subscription in Urban Areas increased from 581.33 million in November 2011 to 586.26 million at the end of December 2011. The subscription in Rural Areas increased from 303.04 million to 307.59 million during the same period. This shows higher growth in Rural Subscription (1.50%) than Urban Subscription (0.85%). The Urban wireless teledensity has increased from 159.92 to 161.01 and Rural teledensity has increased from 36.05 to 36.56. *Detailed statistics at Annexure I.*

- **Private operators hold 88.54% of the wireless market share** where as BSNL and MTNL, two PSU operators hold only **11.46% market share**. The graphical presentations of market shares and shares in net additions of all the service providers during the month of December 2011 are given below:

A. Service Provider wise Market Share as on 31.12.2011



Service Providers' share in net additions during the month of December 2011



❖ VLR Data

Out of the total **893.84 Million** subscribers, **646.77 Million** were active on the date of Peak VLR for the month of December 2011. The total active VLR number excludes the CDMA VLR figure of BSNL, as the service provider has not provided the VLR figures of their total CDMA subscriber base of 4.33 million. **The proportion of VLR subscribers is approximately 72.36% of the total wireless subscribers base reported by the service providers.**

Circle-wise, J&K has the highest proportion of VLR subscribers with 83.11% followed by MP (78.45%) and Maharashtra (78.06%); Mumbai has the lowest proportion with 60.79%. **Service Provider wise, Idea leads the tally with 92.98%** followed by Bharti (90.02%); Etisalat is at the bottom with 25.45%. The detailed statistics of proportionate VLR is at Annexure II & methodology used for reporting subscriber base/active subscribers is at Annexure IV.

❖ **Mobile Number Portability**

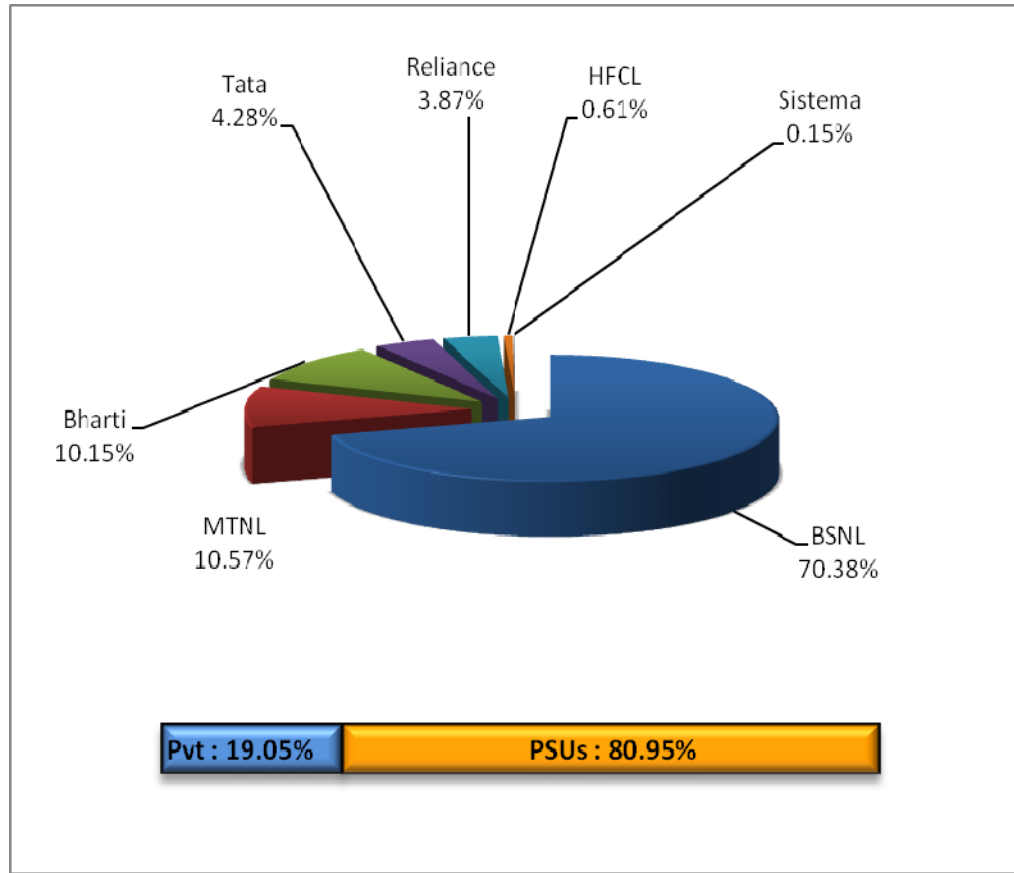
- As per the data reported by the service providers, **by the end of December 2011 about 292.40 lakh subscribers have submitted their requests to different service providers for porting their mobile number.** In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Gujarat (27.69 lakh) followed by Maharashtra (23.13 lakh) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (28.33 Lakh) followed by Andhra Pradesh Service area (26.87 lakh). In the month of December-2011, total number of subscribers who have submitted their request for MNP is 34.03 lakh. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of December, 2011			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	1456191	Andhra Pradesh	2687469
Gujarat	2768659	Assam	66677
Himachal Pradesh	106409	Bihar	633256
Haryana	1345696	Karnataka	2833390
Jammu & Kashmir	4793	Kerala	1545755
Maharashtra	2312800	Kolkata	636766
Mumbai	1022820	Madhya Pradesh	1786385
Punjab	1159816	North East	18271
Rajasthan	2381606	Orissa	679597
Uttar Pradesh - East	1394727	Tamil Nadu	1831578
Uttar Pradesh - West	1640868	West Bengal	927326
Total	15594358	Total	13646473
Total (Zone-1 + Zone-2)			29240858

❖ Wireline Segment

- Wireline subscriber base **declined from 32.96 Million** at the end of November 2011 **to 32.69 Million** at the end of December 2011. The share of Urban Subscriber has marginally increased from 76.27% to 76.30% where as share of Rural Subscribers has marginally declined from 23.73% to 23.70%. **The overall wireline Tele-density in India marginally declined to 2.71 with urban and rural teledensity being 6.85 and 0.92 respectively.** BSNL and MTNL, two **PSU operators hold 80.95% of the Wireline market share**. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service provider as on 31st December 2011 is given below:

Service Provider wise Market Share as on 31.12.2011



❖ **Category wise Growth**

- From the below tables, Circle A shows the highest net addition and Circle C shows the highest rate of monthly growth in the wireless sector from November 2011 to December 2011.

Category wise Net Additions and subscriber base

Category	Net Additions during the month of December, 2011		Subscriber Base as on 31st December, 2011	
	Wireline	Wireless	Wireline	Wireless
Circle A	-39802	3341927	12950987	314820251
Circle B	-48555	3339056	10586252	353309522
Circle C	-26379	1556113	2084357	122508629
Metro	-160809	1235142	7063615	103205132
All India	-275545	9472238	32685211	893843534

Category-wise Growth Rate in Access Service

Category	Monthly Rate of Growth (Nov-2011 to Dec-2011)		Yearly rate of growth (Dec-2010 to Dec-2011)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.31%	1.07%	-4.01%	16.61%
Circle B	-0.46%	0.95%	-7.68%	20.68%
Circle C	-1.25%	1.29%	-28.67%	23.41%
Metro	-2.23%	1.21%	-2.02%	14.46%
All India	-0.84%	1.07%	-6.85%	18.83%

- Metros indicate data for Delhi, Mumbai & Kolkata. Data for Chennai service area has been included in Circle A, as part of TN

❖ **Broadband (≥ 256 Kbps download)**

Total Broadband subscriber base has **increased from 13.13 million at the end of November 2011 to 13.30 million at the end of December 2011**, there by showing a monthly growth of 1.30%. Yearly growth in broadband subscribers is 21.88% during the last one year (Dec. 2010 to Dec. 2011).

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

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Authorised to issue.

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Wireless Subscriber Base
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Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel / Dishnet	
	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11
Andhra Pradesh	17721389	17799477	9160406	9311238	7197610	7057478	7737106	7757350	9268250	9502047	1859698	1902133
Assam	3466443	3535202	2593318	2641158	1885328	1923161	126378	127243	305300	305312	3701583	3704780
Bihar	16641562	16717806	9404306	9454131	5593493	5708731	4981639	4912473	5287990	5315012	4988751	5014778
Delhi	8461711	8525943	8524334	8582502	8210255	8270357	4873344	4933285	4283768	4353653	2315972	2328051
Gujarat	6801753	6803860	8123274	8085619	15436544	15602586	3860552	3835891	7385929	7652235	613228	588260
Himachal Pradesh	1757405	1774268	1907235	1847332	402780	419262	412826	397979	406132	428431	684585	682359
Haryana	2271366	2272637	4293142	4251045	4344460	4318417	2825211	2781326	3545847	3404573	548645	557768
J & K	1987757	2012929	558178	520980	654313	672276	118916	115815	152243	157225	1553809	1540464
Karnataka	15211683	15247038	7922886	7882826	6632136	6592047	6920462	6796985	5112442	5353391	1695442	1709850
Kerala	3498217	3499504	4229240	4234881	5760856	5809868	2398142	2333615	7226115	7424470	2429362	2451546
Kolkata	3764811	3791510	5146279	5316976	4460935	4471199	3137189	3106499	1134127	1182440	1726053	1738401
Madhya Pradesh	9593086	9594351	12257058	12248548	3635075	3689068	4734905	4755561	12934969	13149755	782868	800335
Maharashtra	9214142	9314783	10610346	10741177	12426942	12564117	9354351	9441918	14534050	14847286	1139786	1194827
Mumbai	3698483	3709284	8470835	8633710	6067644	6103637	5288462	5339427	2625399	2726879	1088034	1163956
North East	2173120	2183305	854387	874352	924086	936435	76553	75908	206627	203796	2413133	2404365
Orissa	5765994	5844248	4703532	4731540	2443962	2469064	2364351	2393536	821973	904833	2634446	2698928
Punjab	6891544	6920713	4891197	4890385	4374706	4419821	3497639	3546396	4964512	5102506	792349	853222
Rajasthan	13290963	13477509	7664054	7654918	9063319	9166448	3937564	3934955	3456921	3624750	1257879	1323712
Tamil Nadu	13211541	13244114	8639132	8715465	12110762	12146209	4196633	4265849	1911230	2040275	21353085	21608522
U.P.(E)	13711965	13773095	12275528	12457911	14393719	14434048	4487178	4533467	6955288	6969806	2264567	2325744
U.P.(W)	6603129	6620368	9668920	9729135	9343761	9413864	4926027	4976714	9641719	9829965	2037819	1978571
West Bengal	8954609	8990872	7232598	7273099	11478592	11558663	3134932	3130634	1831534	1901471	3077517	3073839
Total	174692673	175652816	149130185	150078928	146841278	147746756	83390360	83492826	103992365	106380111	60958611	61644411
Net Additions during Dec-2011		960143		948743		905478		102466		2387746		685800

Wireless Subscriber Base

Annexure-I

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Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11
Andhra Pradesh	9034204	8835316	0	0	2863210	2823204	640056	612536	0	0	11059	10941
Assam	1562662	1598487	0	0	0	94	534	930	311	325	0	0
Bihar	5573674	6022054	0	0	3961397	4204457	1470912	1534689	263	324	20076	20515
Delhi	0	0	2763202	2783242	0	0	1023266	1080970	0	0	0	0
Gujarat	4085038	4083179	0	0	2806237	3054752	99828	118862	43	69	1089755	1149514
Pradesh	1720822	1719922	0	0	54	61	55	33	0	0	77216	78588
Haryana	2933917	2928781	0	0	159	165	201658	221355	93	95	760178	773634
J & K	989053	991438	0	0	0	23	38	20	0	0	0	0
Karnataka	6477672	6560514	0	0	1427365	1572226	1953127	2046800	421	521	11947	11946
Kerala	6704021	6808388	0	0	723103	719519	604963	613862	0	0	245975	247419
Kolkata	2376861	2388975	0	0	1367158	1550799	774023	802124	2096	2274	1536	1967
Madhya Pradesh	4730104	4777484	0	0	600	769	1487	1772	172	220	1078374	1062933
Maharashtra	5830459	5903746	0	0	3395832	3865221	643929	679159	259	325	13668	13739
Mumbai	0	0	2883820	2897923	1339080	1326201	727331	733740	3218870	3230733	1021486	903068
North East	1523362	1553414	0	0	0	32	54	150	41	41	0	0
Orissa	4162750	4234329	0	0	1321669	1297817	216	285	853	912	10678	10670
Punjab	4716823	4731202	0	0	322	328	572	617	136	145	0	0
Rajasthan	5682560	5697195	0	0	109	282	2326775	2349997	366	389	10567	10568
Tamil Nadu	9468788	9490258	0	0	1374439	1426080	1659497	1697304	0	0	1080789	1101925
U.P.(E)	10207542	10239584	0	0	6111539	6534887	371785	417579	0	0	16728	16724
U.P.(W)	4661153	4673023	0	0	4196745	4386953	370572	416312	0	8	8831	8830
West Bengal	3569873	3524516	0	0	3292937	3542995	1623913	1677432	0	0	21354	19902
Total	96011338	96761805	5647022	5681165	34181955	36306865	14494591	15006528	3223924	3236381	5480217	5442883
Net Additions during Dec-2011		750467		34143		2124910		511937		12457		-37334

Wireless Subscriber Base Annexure-I
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Circle	Group						Circle-wise Total				Net Addition(%)
	S-tel		HFCL		Etisalat		Nov-11	Dec-11	Net Addition		
	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11					
Andhra Pradesh	0	0	0	0	31501	33681	65524489	65645401	120912	1.28%	
Assam	128581	89789	0	0	0	0	13770438	13926481	156043	1.65%	
Bihar	2017240	2059787	0	0	38240	40221	59979543	61004978	1025435	10.83%	
Delhi	0	0	0	0	742821	760160	41198673	41618163	419490	4.43%	
Gujarat	0	0	0	0	30479	31457	50332660	51006284	673624	7.11%	
Pradesh	449381	457963	0	0	0	0	7818491	7806198	-12293	-0.13%	
Haryana	0	0	0	0	12641	14177	21737317	21523973	-213344	-2.25%	
J & K	0	0	0	0	0	0	6014307	6011170	-3137	-0.03%	
Karnataka	0	0	0	0	26119	27844	53391702	53801988	410286	4.33%	
Kerala	0	0	0	0	11015	12246	33831009	34155318	324309	3.42%	
Kolkata	0	0	0	0	0	0	23891068	24353164	462096	4.88%	
Madhya Pradesh	0	0	0	0	69391	73767	49818089	50154563	336474	3.55%	
Maharashtra	0	0	0	0	32059	33768	67195823	68600066	1404243	14.82%	
Mumbai	0	0	0	0	450805	465247	36880249	37233805	353556	3.73%	
North East	42685	34536	0	0	0	0	8214048	8266334	52286	0.55%	
Orissa	925265	907306	0	0	0	0	25155689	25493468	337779	3.57%	
Punjab	0	0	1152801	1192592	15980	17902	31298581	31675829	377248	3.98%	
Rajasthan	0	0	0	0	32777	34815	46723854	47275538	551684	5.82%	
Tamil Nadu	0	0	0	0	27754	30511	75033650	75766512	732862	7.74%	
U.P.(E)	0	0	0	0	45408	48198	70841247	71751043	909796	9.60%	
U.P.(W)	0	0	0	0	43834	46092	51502510	52079835	577325	6.09%	
West Bengal	0	0	0	0	0	0	44217859	44693423	475564	5.02%	
Total	3563152	3549381	1152801	1192592	1610824	1670086	884371296	893843534	9472238	100.00%	
Net Additions during Dec-2011		-13771		39791		59262		9472238			

Proportion of VLR on the date of Peak VLR in the month of December, 2011 (%) Annexure-II

Circle	Aircel	Bharti	BSNL (Except CDMA)	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor	Videocon	Vodafone	Total
Andhra Pradesh	57.12	94.21	70.43	12.29		92.58			58.40		61.41	61.79	65.77	1.68	62.04	75.74
Assam	76.69	87.92	54.80			92.36	15.38		72.24	52.08	100.65	72.00			88.85	78.00
Bihar	52.04	95.66	35.25	10.94		92.31			68.26	27.39	36.80	47.19	59.62	6.62	96.30	71.37
Delhi	52.91	80.49		36.52		90.00		40.36	76.57		26.57	46.91			87.28	71.62
Gujarat	82.45	85.67	58.26	14.13		92.91			65.79		40.41	59.68	63.09	51.46	87.41	77.68
Himachal Pradesh	62.96	93.72	59.98			95.28			59.59	41.30		36.53		17.62	100.06	69.19
Haryana	32.27	90.55	50.92	13.02		92.24	21.05		53.63		25.6	59.72		41.21	92.08	70.45
J & K	86.79	95.19	66.75			89.99			68.54			66.20			75.24	83.11
Karnataka	39.86	91.57	54.30	9.16		91.18			68.02		62.29	64.71	58.47	0.74	73.91	74.40
Kerala	36.29	86.43	65.83	7.41		94.28			57.93		50.22	60.87	34.37	25.01	83.54	71.83
Kolkata	51.17	85.17	34.05			73.45	3.21		66.25		53.75	63.27	54.22		80.01	66.27
Madhya Pradesh	57.20	87.97	51.41	13.87		100.10	32.73		68.98		54.23	67.86		44.25	72.35	78.45
Maharashtra	43.19	88.39	67.23	13.94		96.40			62.95		49.50	57.62	65.50	3.57	91.08	78.06
Mumbai	51.61	84.48		19.10		84.47	40.09	30.33	69.52		17.40	40.85	58.42	51.16	78.43	60.79
North East	67.52	92.00	60.38			88.93	24.39		60.26	34.71		79.64			79.64	73.75
Orissa	50.31	93.90	59.38			67.64	4.50		57.43	27.74	146.67	54.59	47.27	1.62	85.99	66.62
Punjab	51.58	91.03	50.28	15.03	45.56	91.82	9.66		58.84		56.73	48.99			88.58	72.23
Rajasthan	89.75	92.99	48.73	18.91		108.66	19.54		61.00		43.52	50.40		4.68	82.47	75.47
Tamil Nadu	50.66	91.34	45.41	7.62		62.60			55.25		51.36	56.71	58.28	47.12	86.67	64.17
U.P.(E)	65.60	94.99	42.54	17.48		92.30			65.85		50.19	51.76	60.40	3.68	87.43	73.50
U.P.(W)	58.78	73.97	46.06	11.40		92.30			59.56		51.21	48.32	59.25	7.40	87.48	70.16
West Bengal	47.48	83.38	49.22			77.71			74.00		63.12	35.94	55.59	4.53	88.22	71.38
Total	54.90	90.02	52.94	25.45	45.56	92.98	40.04	35.24	64.61	29.97	47.91	54.74	59.40	44.89	84.92	72.36

Wireline Subscriber Base

Annexure-III

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Circle	GROUP														Circle-wise Total		
	BSNL		MTNL		Bharti		Reliance		Tata		HFCL		Sistema		Nov-11	Dec-11	Net Addition
	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Nov-11	Dec-11	Net Addition
Andhra Pradesh	1,965,681	1,966,602			124,938	125,010	87,745	88,155	170,364	171,570					2348728	2351337	2609
Assam	231,309	229,088							2,552	2,595					233861	231683	-2178
Bihar	594,637	594,446					4,764	4,790	9,592	9,899					608993	609135	142
Delhi			1,550,362	1,554,281	1,073,486	1,073,939	181,119	181,861	72,924	75,034					2877891	2885115	7224
Gujarat	1,644,056	1,637,087			54,885	54,932	112,247	111,453	66,692	66,713					1877880	1870185	-7695
Himachal Pradesh	312,695	309,242					4,462	4,462	1,753	1,829					318910	315533	-3377
Haryana	560,926	554,818			23,550	23,758	4,694	4,784	16,756	17,302					605926	600662	-5264
J & K	208,148	206,966							308	327					208456	207293	-1163
Karnataka	1,993,814	1,989,078			488,711	489,456	109,899	110,426	115,352	118,385					2707776	2707345	-431
Kerala	3,086,596	3,082,352			55,333	55,416	55,484	55,773	12,115	12,337					3209528	3205878	-3650
Kolkata	1,145,811	972,575			91,770	92,099	82,178	81,789	29,686	30,325					1349445	1176788	-172657
Madhya Pradesh	860,653	853,788			299,138	299,205	35,121	35,417	8,760	9,495					1203672	1197905	-5767
Maharashtra	2,295,755	2,273,011			69,817	69,995	100,303	100,860	220,956	223,657					2686831	2667523	-19308
Mumbai			1,898,676	1,899,485	330,439	330,555	228,644	229,521	539,329	542,151					2997088	3001712	4624
North East	253,289	253,057							231	234					253520	253291	-229
Orissa	475,763	456,115					4,086	4,113	7,147	7,194					486996	467422	-19574
Punjab	1,141,714	1,132,502			105,129	105,396	33,711	33,016	15,927	15,508	197,419	198,744			1493900	1485166	-8734
Rajasthan	1,086,885	1,079,720			39,112	39,150	25,025	25,253	5,320	5,485			46,762	47,699	1203104	1197307	-5797
Tamil Nadu (including Chennai)	2,679,539	2,662,526			483,636	484,083	145223	146167	61,176	61,821					3369574	3354597	-14977
U.P.(E)	1,299,445	1,284,226			50,187	50,239	39,709	40,080	12,758	13,078					1402099	1387623	-14476
U.P.(W)	782,030	779,736			24,034	24,062	5,653	5,683	7,414	7,444					819131	816925	-2206
West Bengal	689,737	686,839					2,230	2,228	5,480	5,719					697447	694786	-2661
Operator-wise Total	23308483	23003774	3449038	3453766	3314165	3317295	1262297	1265831	1382592	1398102	197419	198744	46762	47699	32960756	32685211	-275545
Net Additions during Dec-2011		-304709		4728		3130		3534		15510		1325		937		-275545	

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.
