

Information Note to the Press (Press Release No. 57/2011)

TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 8th December, 2011

For Immediate release

Website: - www.trai.gov.in

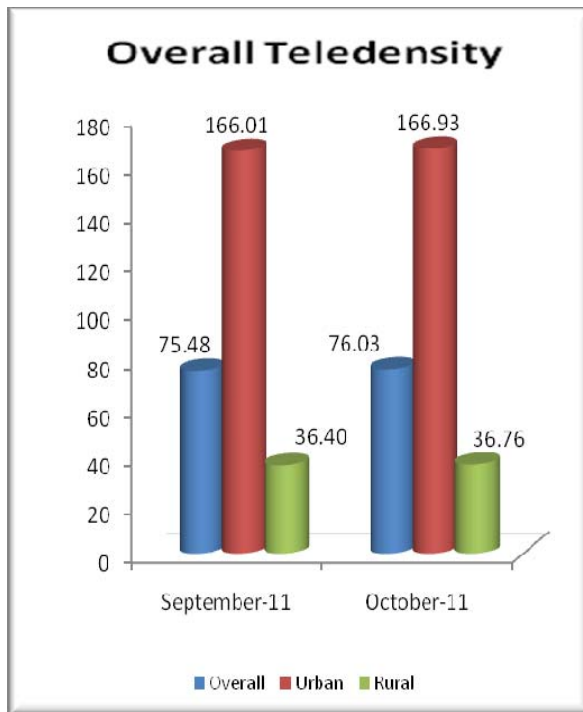
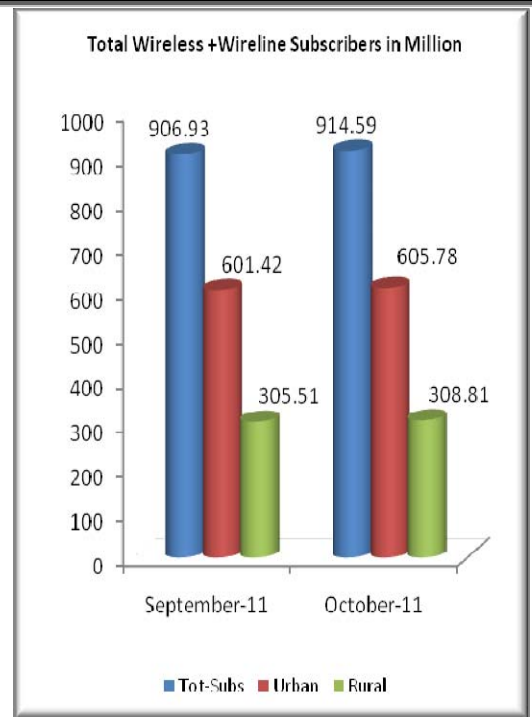
Highlights of Telecom Subscription Data as on 31st October, 2011

Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers (Million)	881.40	33.19	914.59
Total Net Addition (Million)	7.79	-0.12	7.66
% of Monthly Growth	0.89%	-0.37%	0.85%
Urban Subscribers (Million)	580.49	25.28	605.78
Urban Subscribers Net Addition (Million)	4.37	-0.01	4.36
% of Monthly Growth	0.76%	-0.05%	0.72%
Rural Subscribers (Million)	300.91	7.90	308.81
Rural Subscribers Net Addition (Million)	3.42	-0.11	3.31
% of Monthly Growth	1.15%	-1.38%	1.08%
Overall Teledensity	73.27	2.76	76.03
Urban Teledensity	159.96	6.97	166.93
Rural Teledensity	35.82	0.94	36.76
Share of Urban Subscriber	65.86%	76.18%	66.23%
Share of Rural Subscriber	34.14%	23.82%	33.77%

- ❖ **Mobile Number Portability requests increased from 206.29 lakh subscribers at the end of September 2011 to 231.66 lakh subscribers at the end of October 2011. In the month of October, 2011 alone 25.38 lakh request have been made for MNP.**
- ❖ **Active wireless subscribers on the date of peak VLR in October - 2011 are 626.18 Million.**
- ❖ **Broadband subscription reached 12.98 Million in October-2011 from 12.84 Million in September-2011.**

❖ Total Telephone Subscribers

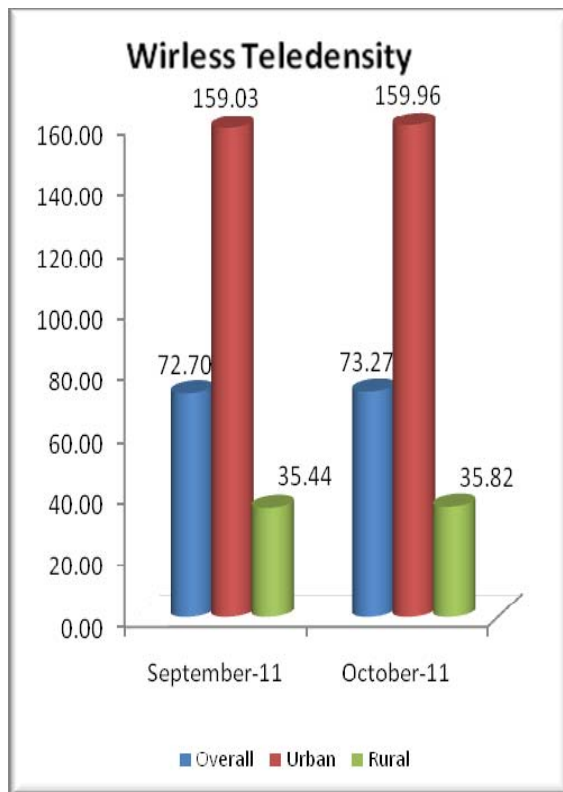
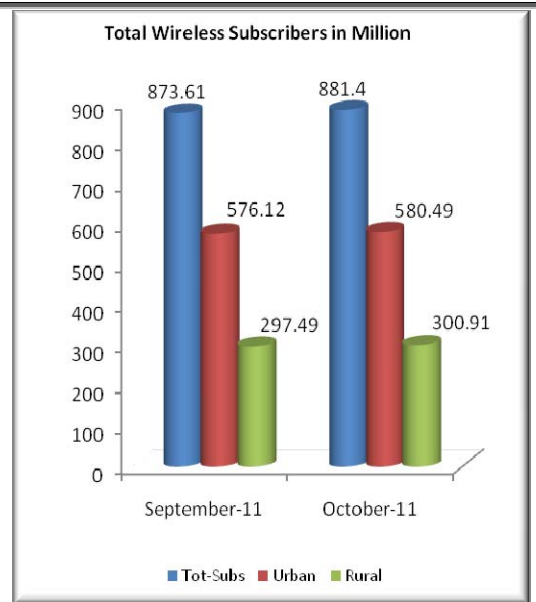
The number of telephone subscribers in India increased to **914.59** Million at the end of October, 2011 from 906.93 Million at the end of September 2011, thereby registering a growth rate of 0.85%. The share of Urban subscribers has marginally declined to 66.23% from 66.31% whereas share of Rural Subscribers has marginally increased to 33.77% from 33.69% in the month of October, 2011. With this, **the overall Tele-density in India reaches to 76.03 at the end of October, 2011 from 75.48 of the previous month.**



Subscription in **Urban Areas** grew from 601.42 million in September, 2011 to **605.78** million at the end of October, 2011. Subscription in **Rural Areas** increased from 305.51 million to **308.81** million during the same period. The growth of Rural and Urban Subscription is 1.08% and 0.72% respectively. **The overall Urban teledensity has increased from 166.01 to 166.93 and Rural teledensity increased from 36.40 to 36.76.**

❖ Wireless Segment (GSM, CDMA & FWP)

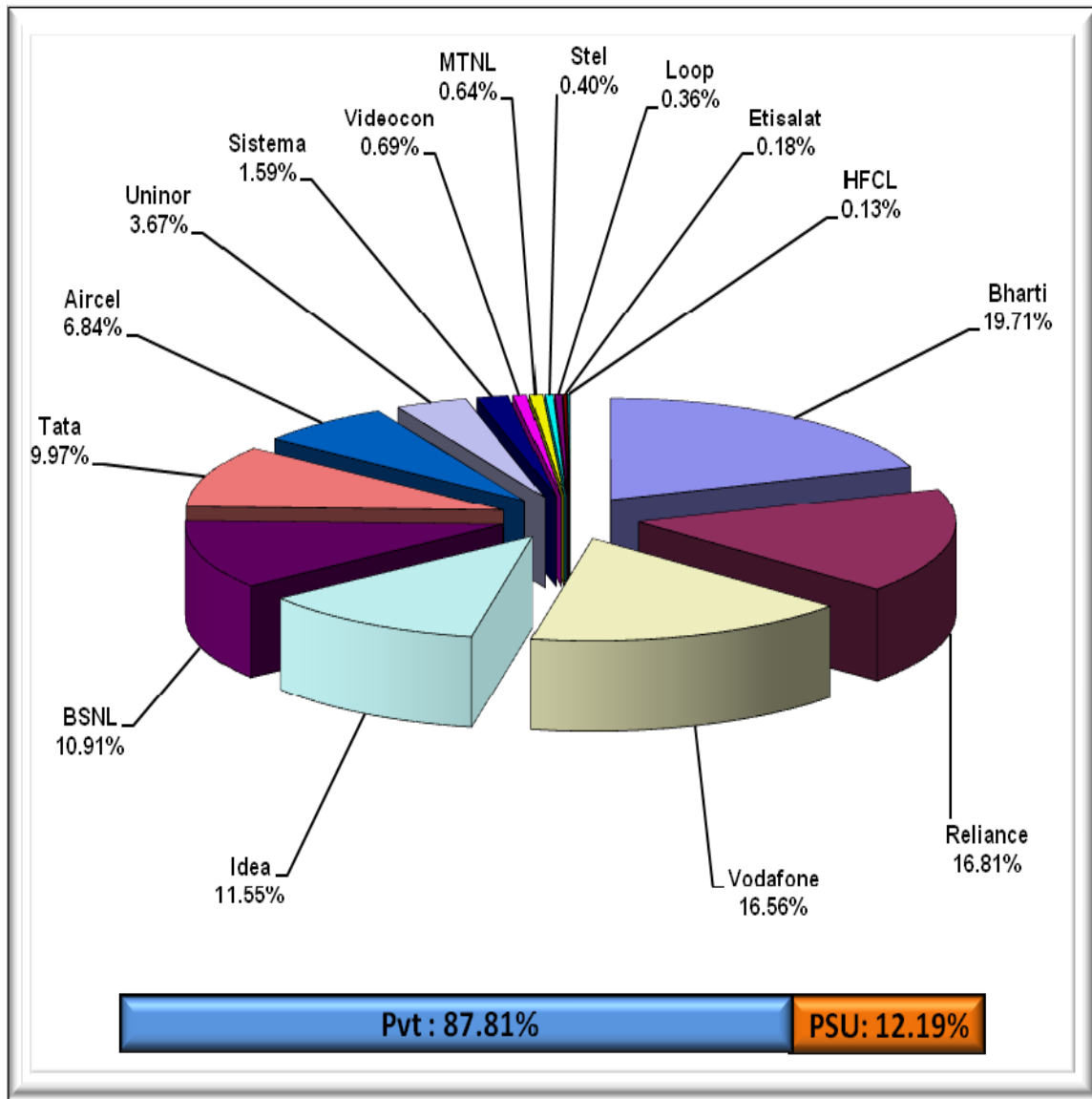
- Total Wireless subscriber base increased from 873.61 Million in September 2011 to **881.40** Million at the end of October 2011, registering a growth of 0.89%. The share of Urban Subscriber has marginally decreased from 65.95% to 65.86% where as share of Rural Subscribers has marginally increased from 34.05% to 34.14%. **The overall wireless Tele density in India reaches 73.27.**



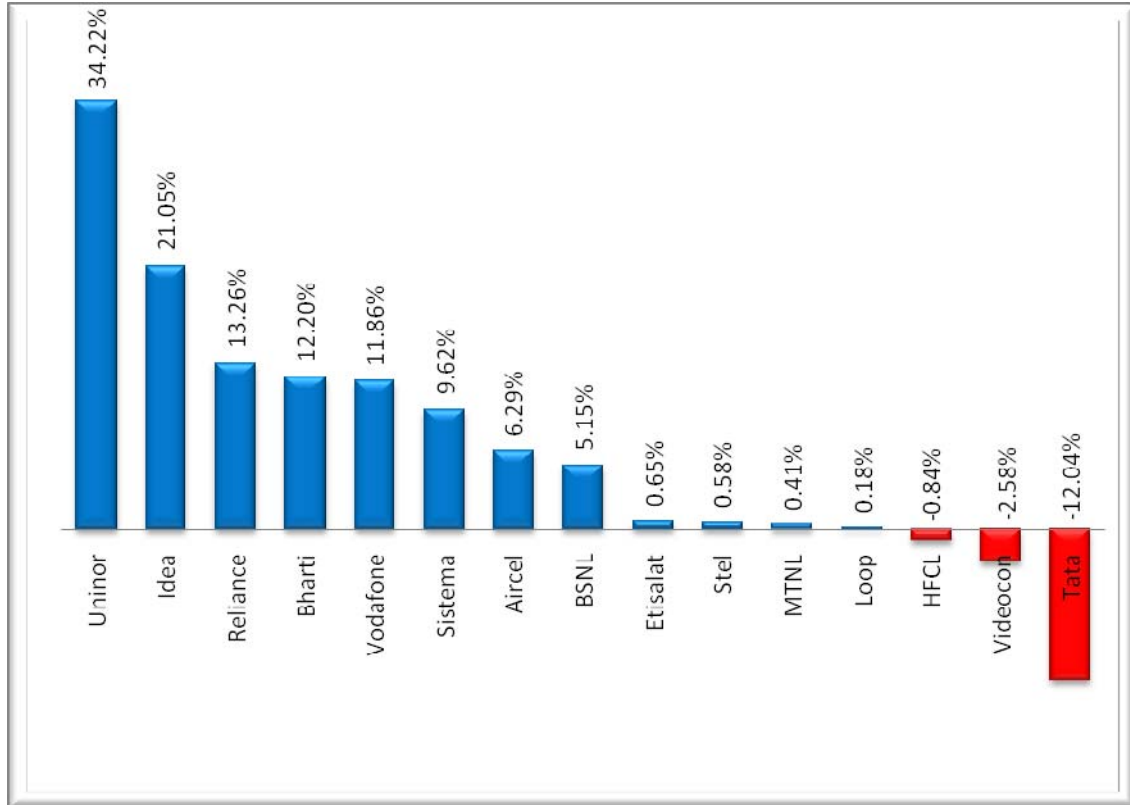
- Wireless subscription in **Urban Areas** increased from 576.12 million in September 2011 to **580.49** million at the end of October 2011. The subscription in **Rural Areas** increased from 297.49 million to **300.91** million during the same period. **This shows higher growth in Rural Subscription (1.15%)** than Urban Subscription (0.76%). **The Urban wireless teledensity has increased from 159.03 to 159.96 and Rural teledensity has increased from 35.44 to 35.82.** Detailed statistics is at Annexure I.

- **Private operators hold 87.81% of the wireless market share** where as BSNL and MTNL, two PSU operators hold only **12.19% market share**. The graphical presentations of market shares and shares in net additions of all the service providers during the month of October 2011 are given below:

A. Service Provider wise Market Share as on 31.10.2011



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



❖ VLR Data

Out of the total **881.40 Million** subscribers, **626.18 Million were active on the date of Peak VLR for the month of October 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 4.65 million. **The proportion of VLR subscribers is approximately 71.04% of the total wireless subscribers base reported by the service providers.**

Circle-wise, J&K has the highest proportion of VLR subscribers with 81.36% followed by Assam (77.43%) and M.P. (77.35%); Mumbai has the lowest proportion with 59.68%. **Service Provider wise, Idea leads the tally with 92.03%** followed by Bharti (88.79%); Etisalat is at the bottom with 27.57%. 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**

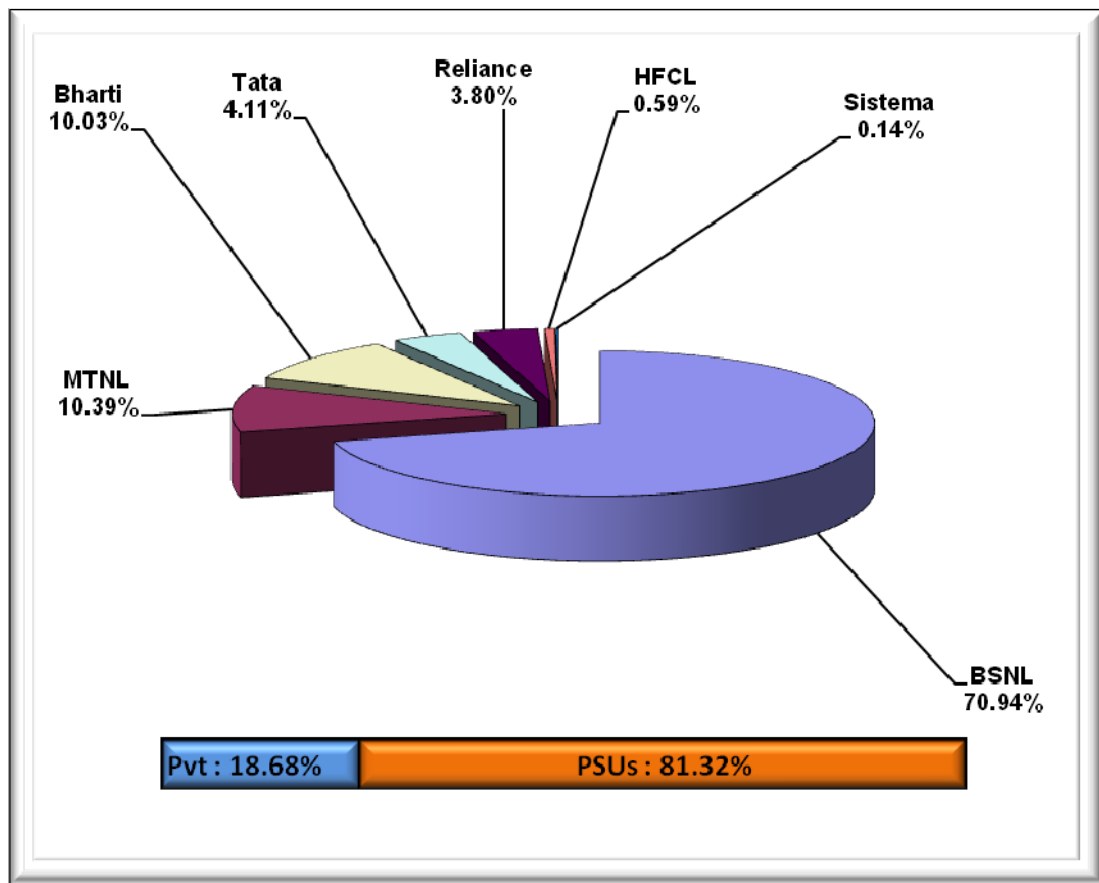
- As per the data reported by the service providers, **by the end of October 2011 about 231.66 lakh subscribers have submitted their requests to different service providers for porting their mobile number.** Out of these requests around 11.71 lakh pertains to Haryana wherein MNP was implemented from 25th Nov. 2010. In rest of the country, **in MNP Zone-I (Northern & Western India) maximum number of requests have been received in Gujarat (22.39 lakh)** followed by Maharashtra (19.10 lakh) whereas **in MNP Zone-II (Southern & Eastern India) maximum number of requests have been received in Andhra Pradesh (19.46 lakh)** followed by Karnataka Service area (19.18 lakh). In the month of October-2011, total number of subscribers who have submitted their request for MNP is 25.38 lakh. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of October, 2011			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	1266498	Andhra Pradesh	1946382
Gujarat	2238567	Assam	56771
Himachal Pradesh	91210	Bihar	510935
Haryana	1170717	Karnataka	1917701
Jammu & Kashmir	4236	Kerala	1208343
Maharashtra	1909692	Kolkata	531661
Mumbai	837731	Madhya Pradesh	1455333
Punjab	968510	North East	14861
Rajasthan	1751348	Orissa	550378
Uttar pradesh - East	1096855	Tamil Nadu	1490607
Uttar pradesh - West	1356475	West Bengal	791443
Total	12,691,839	Total	10,474,415
Total (Zone-1 + Zone-2)		23,166,254	

❖ Wireline Segment

- Wireline subscriber base **declined from 33.31 Million** at the end of September 2011 **to 33.19 Million** at the end of October 2011. The share of Urban Subscriber has marginally increased from 75.94% to 76.18% where as share of Rural Subscribers has marginally declined from 24.48% to 23.82%. **The overall wireline Tele-density in India marginally declined to 2.76 with urban and rural teledensity being 6.97 and 0.94 respectively.** BSNL and MTNL, two **PSU operators hold 81.32% of the Wireline market share.** Detailed statistics is at Annexure-III. The graphical presentation of market share of all service provider as on 31st October 2011 is given below:

Service Provider wise Market Share as on 31.10.2011



❖ Category wise Growth

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

Category wise Net Additions and subscriber base

Category	Net Additions during the month of October, 2011		Subscriber Base as on 31st October, 2011	
	Wireline	Wireless	Wireline	Wireless
Circle A	-36494	2034654	13044382	310616304
Circle B	-75431	3468654	10707388	347662060
Circle C	-10361	1641468	2216678	120282893
Metro	-547	642942	7221179	102839321
All India	-122833	7787718	33189627	881400578

Category-wise Growth Rate in Access Service

Category	Monthly Rate of Growth (Sep-2011 to Oct-2011)		Yearly rate of growth (Oct-2010 to Oct-2011)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.28%	0.66%	-3.64%	22.28%
Circle B	-0.70%	1.01%	-7.89%	27.19%
Circle C	-0.47%	1.38%	-27.71%	28.90%
Metro	-0.01%	0.63%	0.27%	19.55%
All India	-0.37%	0.89%	-6.32%	24.72%

- 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 12.84 million at the end of September 2011 to 12.98 million at the end of October 2011**, there by showing a monthly growth of 1.03%.

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

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Authorised to issue.

(Raj Pal)
Advisor(ER)

Wireless Subscriber Base

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Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel / Dishnet	
	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11
Andhra Pradesh	17543731	17685107	8825016	8981852	7313071	7258719	8410479	8235416	8814749	8984765	1778237	1817934
Assam	3440564	3447110	2462502	2537245	1780174	1849755	124864	126263	307731	294411	3639355	3672489
Bihar	16372973	16521104	9051196	9201749	5434847	5488252	5248832	5301381	5122796	5285334	4836771	4911024
Delhi	8440357	8450403	8317278	8517087	8161323	8170241	5430505	5387083	4274022	4311419	2303559	2305643
Gujarat	6786155	6796184	8225226	8257954	15330567	15376521	4018390	4027408	7473029	7502330	640249	648767
Himachal Pradesh	1742796	1750145	1840183	1857472	392233	402262	416668	412838	403346	408395	676110	668087
Haryana	2252561	2264631	4258066	4209629	4244337	4305694	3059412	3057479	3552946	3662307	535578	545233
J & K	1949520	1974125	531807	546286	607948	637276	118794	120224	154241	156252	1496257	1530056
Karnataka	15134765	15179919	7815146	7727910	6752649	6780145	7024800	7013838	4610753	4698035	1656806	1663343
Kerala	3489607	3496462	4180672	4211195	5663785	5693709	2352835	2382647	7292186	7299404	2470924	2481250
Kolkata	3745605	3755512	5431818	5474238	4440616	4445700	3229645	3218064	940631	921387	1682576	1708540
Madhya Pradesh	9578239	9591602	12006859	12064999	3417602	3518027	4712441	4773499	12361239	12678781	750829	780855
Maharashtra	9059413	9070507	10300503	10387109	12159506	12215708	10663346	10307918	13975703	14316555	1140080	1170761
Mumbai	3677397	3688254	7951942	8362354	6033153	6051650	6172957	5905753	2411871	2464245	1139159	1122664
North East	2152503	2162389	799872	828300	879899	904552	77126	77097	214131	205683	2344899	2365597
Orissa	5705644	5729795	4573287	4651581	2399585	2428956	2451455	2474255	669135	642028	2636381	2605986
Punjab	6833634	6865113	4820558	4836720	4309584	4339673	3559435	3507977	4898022	4939475	766707	786331
Rajasthan	12903873	13099578	7600042	7631427	8930277	9003285	4239632	4302688	3205315	3443590	1051189	1119840
Tamil Nadu	13111896	13155994	8618340	8610110	11903932	12010517	4461048	4310718	1736664	1652484	21045433	21114893
U.P.(E)	13383415	13549264	12357883	12217777	14258211	14318541	4655365	4654049	6569496	6743684	2120118	2152172
U.P.(W)	6575163	6588304	9780550	9644465	9277895	9318640	5237658	5138625	9568967	9607016	2015481	2061585
West Bengal	8902960	8911088	7338441	7362284	11301041	11398352	3108046	3100892	1623403	1601812	3068223	3051352
Total	172782771	173732590	147087187	148119743	144992235	145916175	88773733	87836112	100180376	101819392	59794921	60284402
Net Additions during Oct-2011		949819		1032556		923940		-937621		1639016		489481

Wireless Subscriber Base

Annexure-I

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Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11
Andhra Pradesh	8886739	9000569			2750241	2821547	554288	615218	0	0	11027	11081
Assam	1523557	1538629			0	0	330	630	155	271	0	0
Bihar	6084349	5919295			3426728	3841785	1289118	1390965	127	200	19823	20437
Delhi	0	0	2723258	2741869	0	0	939112	967880	0	0	0	0
Gujarat	4086031	4087342			2189373	2557729	75378	88340	9	20	1266412	1161145
Himachal Pradesh	1722795	1730058			0	28	23	44	0	0	87139	89671
Haryana	2997069	2947464			0	89	196917	219377	90	90	778687	809124
J & K	949999	975492			0	0	15	33	0	0	0	0
Karnataka	6299738	6398764			1275396	1337550	1746711	1877419	216	319	12016	12042
Kerala	6460481	6608209			720681	701921	568810	594004	0	0	315352	300719
Kolkata	2353269	2362759			1387354	1421628	704287	738272	1744	1859	10	696
Madhya Pradesh	4814984	4714956			150	458	278	1348	127	150	1209489	1145018
Maharashtra	6249744	6160933			2626482	3057231	599103	620609	104	156	13796	13577
Mumbai	0	0	2860189	2873366	1203710	1264735	768595	736487	3193124	3206666	1136735	1093281
North East	1599222	1625995			0	0	24	127	29	41	0	0
Orissa	4061790	4126947			1277692	1257740	144	189	722	787	10548	10650
Punjab	4691200	4716861			230	291	135	516	139	139	0	0
Rajasthan	5528502	5597741			0	0	2233161	2319087	293	341	10329	10391
Tamil Nadu	9167261	9344630			1415965	1416193	1543277	1592648	0	0	1349190	1341325
U.P.(E)	10216787	10187175			4977930	5507380	270681	345135	0	0	19738	19732
U.P.(W)	4637247	4630671			3705581	4103303	263040	337070	0	0	9470	9470
West Bengal	3463778	3520934			2696791	3029911	1513072	1570598	0	0	19520	20172
Total	95794542	96195424	5583447	5615235	29654304	32319519	13266499	14015996	3196879	3211039	6269281	6068531
Net Additions during Oct-2011		400882		31788		2665215		749497		14160		-200750

Wireless Subscriber Base
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Annexure-I

Circle	Group						Circle-wise Total		
	S-tel		HFCL		Etisalat		Sep-11	Oct-11	Net Addition
	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11			
Andhra Pradesh	0	0			28615	30160	64916193	65442368	526175
Assam	111455	124144			0	0	13390687	13590947	200260
Bihar	1956431	1968524			34277	35827	58878268	59885877	1007609
Delhi	0	0			725869	736135	41315283	41587760	272477
Gujarat	0	0			26640	28567	50117459	50532307	414848
Himachal Pradesh	441927	443742			0	0	7723220	7762742	39522
Haryana	0	0			11065	12065	21886728	22033182	146454
J & K	0	0			0	0	5808581	5939744	131163
Karnataka	0	0			22662	24482	52351658	52713766	362108
Kerala	0	0			10213	10704	33525546	33780224	254678
Kolkata	0	0			0	0	23917555	24048655	131100
Madhya Pradesh	0	0			61424	65075	48913661	49334768	421107
Maharashtra	0	0			28951	30417	66816731	67351481	534750
Mumbai	0	0			414709	433451	36963541	37202906	239365
North East	43079	42242			0	0	8110784	8212023	101239
Orissa	943502	962646			0	0	24729885	24891560	161675
Punjab	0	0	1224483	1158856	14283	15493	31118410	31167445	49035
Rajasthan	0	0			28922	30936	45731535	46558904	827369
Tamil Nadu	0	0			26603	26870	74379609	74576382	196773
U.P.(E)	0	0			41050	43130	68870674	69738039	867365
U.P.(W)	0	0			40525	42954	51111577	51482103	370526
West Bengal	0	0			0	0	43035275	43567395	532120
Total	3496394	3541298	1224483	1158856	1515808	1566266	873612860	881400578	7787718
Net Additions during Oct-2011		44904		-65627		50458		7787718	

Proportion of VLR on the date of Peak VLR in the month of October, 2011 (%)

Annexure-II

Circle	Aircel	Bharti	BSNL(Ex ept CDMA)	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor/ ideocon	Vodafone	Total		
Andhra Pradesh	58.03	93.18	64.98	12.71		90.82			59.99		57.19	56.53	62.01	4.79	57.81	73.17	
Assam	75.90	91.17	55.11			88.31	32.84		70.09	42.77	83.81	71.69			84.47	77.43	
Bihar	49.56	90.82	40.28	11.49		89.46			66.67	34.12	37.68	41.89	58.17	8.27	96.86	69.56	
Delhi	51.16	81.80		38.28		87.62		40.23	78.66		25.05	43.93			85.70	71.09	
Gujarat	103.14	83.63	56.55	15.17		88.48			64.26		35.45	55.22	57.29	48.21	83.30	74.61	
Himachal Pradesh	59.48	92.80	59.37			92.71			58.03	44.68		34.44		19.20	93.81	67.51	
Haryana	33.82	92.17	51.01	14.07		85.92	15.56		55.62		25.4	54.18		37.22	92.20	69.21	
J & K	84.28	94.49	65.76			88.01			63.83			67.07			73.64	81.36	
Karnataka	38.77	92.33	54.05	11.17		94.06			68.06		64.82	62.06	58.67	1.59	67.89	73.71	
Kerala	36.51	84.46	63.93	7.50		91.95			58.21		51.64	58.37	30.89	23.35	79.96	69.64	
Kolkata	53.02	81.76	34.13			85.55	2.53		62.38		57.45	59.65	56.92		79.71	65.21	
Madhya Pradesh	57.52	88.98	50.87	14.49		99.23	25.33		67.64			63.20		35.72	71.79	77.35	
Maharashtra	46.88	87.62	63.60	15.25		94.21			63.55			46.34	50.57	65.09	6.53	88.12	75.37
Mumbai	51.30	82.78		21.45		84.92	41.63	31.94	73.23			15.98	36.88	51.35	45.05	75.61	59.68
North East	76.06	86.85	56.39			85.13	31.71		58.98	30.20		74.52			78.82	73.56	
Orissa	50.02	91.71	59.91			80.87	4.32		55.40	31.87	264.55	48.81	42.56	4.95	78.78	64.64	
Punjab	52.35	91.58	49.37	16.14	46.04	90.92	12.95		59.00			80.04	48.97			86.22	71.77
Rajasthan	88.41	92.28	48.52	20.98		105.26	19.94		59.08			41.79	45.55		6.63	83.03	73.75
Tamil Nadu	52.03	91.14	45.25	7.38		67.28			56.96			53.82	53.92	53.93	40.69	88.10	64.76
U.P.(E)	63.10	92.22	42.91	20.27		92.01			66.14			46.80	48.16	65.83	9.22	85.30	72.79
U.P.(W)	52.60	71.15	45.73	13.16		93.16			62.05			49.99	45.51	57.13	15.54	85.32	69.22
West Bengal	50.93	80.73	49.01			82.35			70.18			64.91	36.50	57.73	3.56	87.22	70.70
Total	55.32	88.79	52.23	27.57	46.04	92.03	41.59	35.99	64.58	35.09	48.07	50.73	58.53	39.63	82.79	71.04	

Wireline Subscriber Base

Annexure-III

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Circle	GROUP														Circle-wise Total		
	BSNL		MTNL		Bharti		Reliance		Tata		HFCL		Sistema		Sep-11	Oct-11	Net Addition
	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Sep-11	Oct-11	Net Addition
Andhra Pradesh	1972556	1965527			125472	125502	87518	87654	166902	169761					2352448	2348444	-4004
Assam	249718	248683							2459	2508					252177	251191	-986
Bihar	594652	595014					4749	4764	9155	9213					608556	608991	435
Delhi			1547440	1550362	1074054	1074311	180282	180742	66648	67880					2868424	2873295	4871
Gujarat	1654531	1650463			55120	55133	113904	113058	65534	66217					1889089	1884871	-4218
Himachal Pradesh	317999	315560					4462	4462	1766	1738					324227	321760	-2467
Haryana	574579	566927			23650	23656	4659	4686	16221	16296					619109	611565	-7544
J & K	212574	210875							243	304					212817	211179	-1638
Karnataka	2004758	2000238			490798	490916	109477	109713	113896	113133					2718929	2714000	-4929
Kerala	3132965	3100304			55570	55583	55260	55389	11910	11969					3255705	3223245	-32460
Kolkata	1156722	1152256			91660	91682	83095	82663	29763	29761					1361240	1356362	-4878
Madhya Pradesh	870342	867043			304935	305008	34783	35019	7620	8163					1217680	1215233	-2447
Maharashtra	2345167	2321111			70115	70132	99657	100122	217543	219086					2732482	2710451	-22031
Mumbai			1897801	1896837	331851	331930	227257	228087	535153	534668					2992062	2991522	-540
North East	256857	252274							224	225					257081	252499	-4582
Orissa	560989	559868					4146	4134	7046	7056					572181	571058	-1123
Punjab	1162971	1153973			105578	105603	35097	34357	16201	16493	196383	196602			1516230	1507028	-9202
Rajasthan	1100774	1093284			39279	39288	24685	24904	5047	5175			44835	46026	1214620	1208677	-5943
Tamil Nadu	2698214	2695675			485702	485818	144312	144783	59700	60340					3387928	3386616	-1312
U.P.(E)	1327567	1315739			50401	50413	39405	39570	12947	12617					1430320	1418339	-11981
U.P.(W)	786704	784334			24136	24142	5650	5655	7551	7252					824041	821383	-2658
West Bengal	697173	694255					2398	2293	5543	5370					705114	701918	-3196
Operator-wise Total	23677812	23543403	3445241	3447199	3328321	3329117	1260796	1262055	1359072	1365225	196383	196602	44835	46026	33312460	33189627	-122833
Net Additions during Oct-2011		-134409		1958		796		1259		6153		219		1191		-122833	

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.
