

Information Note to the Press (Press Release No. 56/2011)

TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 5th December, 2011

For Immediate release

Website: - www.trai.gov.in

Highlights of Telecom Subscription Data as on 30th September, 2011

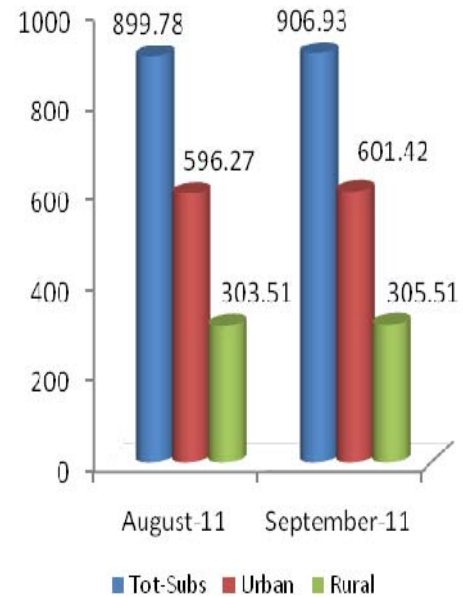
Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers (Million)	873.61	33.31	906.93
Total Net Addition (Million)	7.90	-0.75	7.15
% of Monthly Growth	0.91%	-2.22%	0.79%
Urban Subscribers (Million)	576.12	25.30	601.42
Urban Subscribers Net Addition (Million)	5.58	-0.04	5.15
% of Monthly Growth	0.98%	-1.68%	0.86%
Rural Subscribers (Million)	297.49	8.02	305.51
Rural Subscribers Net Addition (Million)	2.32	-0.03	2.00
% of Monthly Growth	0.79%	-3.88%	0.66%
Overall Teledensity	72.70	2.77	75.48
Urban Teledensity	159.03	6.98	166.01
Rural Teledensity	35.44	0.95	36.40
Share of Urban Subscriber	65.95%	75.94%	66.31%
Share of Rural Subscriber	34.05%	24.06%	33.69%

- ❖ **Mobile Number Portability requests increased from 180.59 lakh subscribers at the end of August 2011 to 206.29 lakh subscribers at the end of September 2011. In the month of September, 2011 alone 25.70 lakh request have been made for MNP.**
- ❖ **Active wireless subscribers on the date of peak VLR in September - 2011 are 617.76 Million.**
- ❖ **Broadband subscription reached 12.84 Million in September-2011 from 12.69 Million in August-2011.**

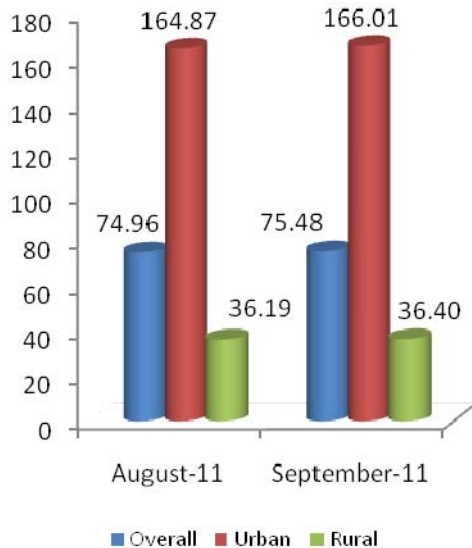
❖ Total Telephone Subscribers

The number of telephone subscribers in India increased to **906.93** Million at the end of September, 2011 from 899.78 Million at the end of August 2011, thereby registering a growth rate of 0.79%. The share of Urban subscribers has marginally increased to 66.31% from 66.27% whereas share of Rural Subscribers has marginally declined to 33.69% from 33.73% in the month of September, 2011. With this, **the overall Tele-density in India reaches to 75.48 at the end of September, 2011 from 74.96 of the previous month.**

Total Wireless + Wireline Subscribers in Million



Overall Teledensity

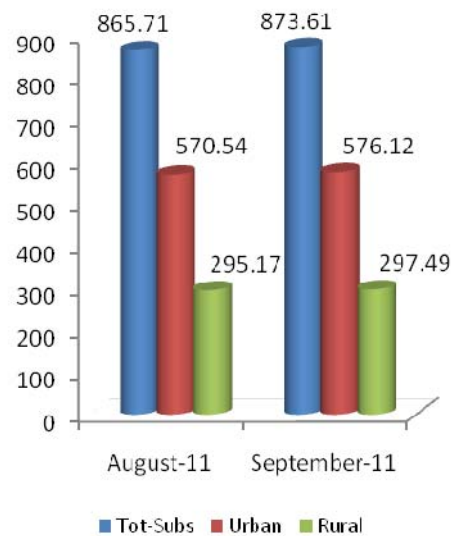


Subscription in **Urban Areas** grew from 596.27 million in August, 2011 to **601.42** million at the end of September, 2011. **Rural subscription** increased from 303.51 million to **305.51** million. The growth of Rural and Urban Subscription is 0.66% and 0.86% respectively. **The overall Urban teledensity has increased from 164.87 to 166.01 and Rural teledensity increased from 36.19 to 36.40.**

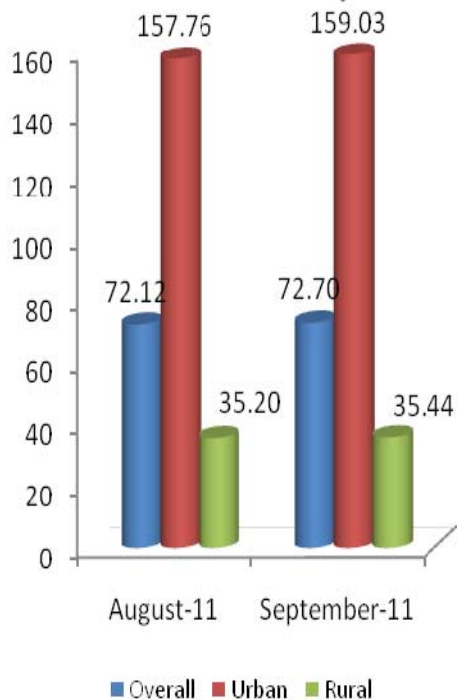
❖ Wireless Segment (GSM, CDMA & FWP)

- Total Wireless subscriber base increased from 865.71 Million in August 2011 to **873.61** Million at the end of September 2011, registering a growth of 0.91%. The share of Urban Subscriber has marginally increased to 65.95% from 65.90% where as share of Rural Subscribers has marginally decreased from 34.10% to 34.05%. **The overall wireless Tele density in India reaches 72.70.**

Total Wireless Subscribers in Million



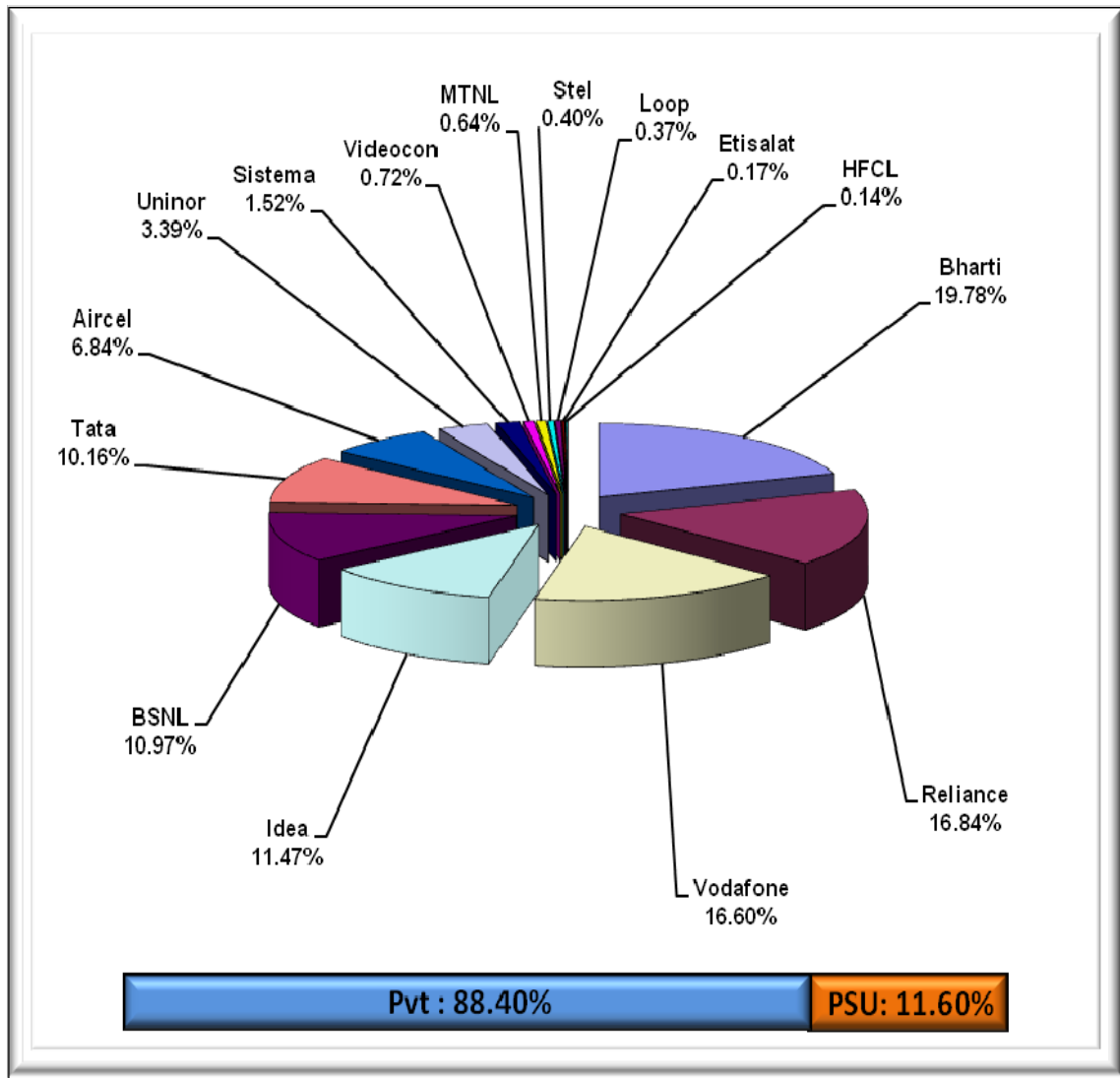
Wirless Teledensity



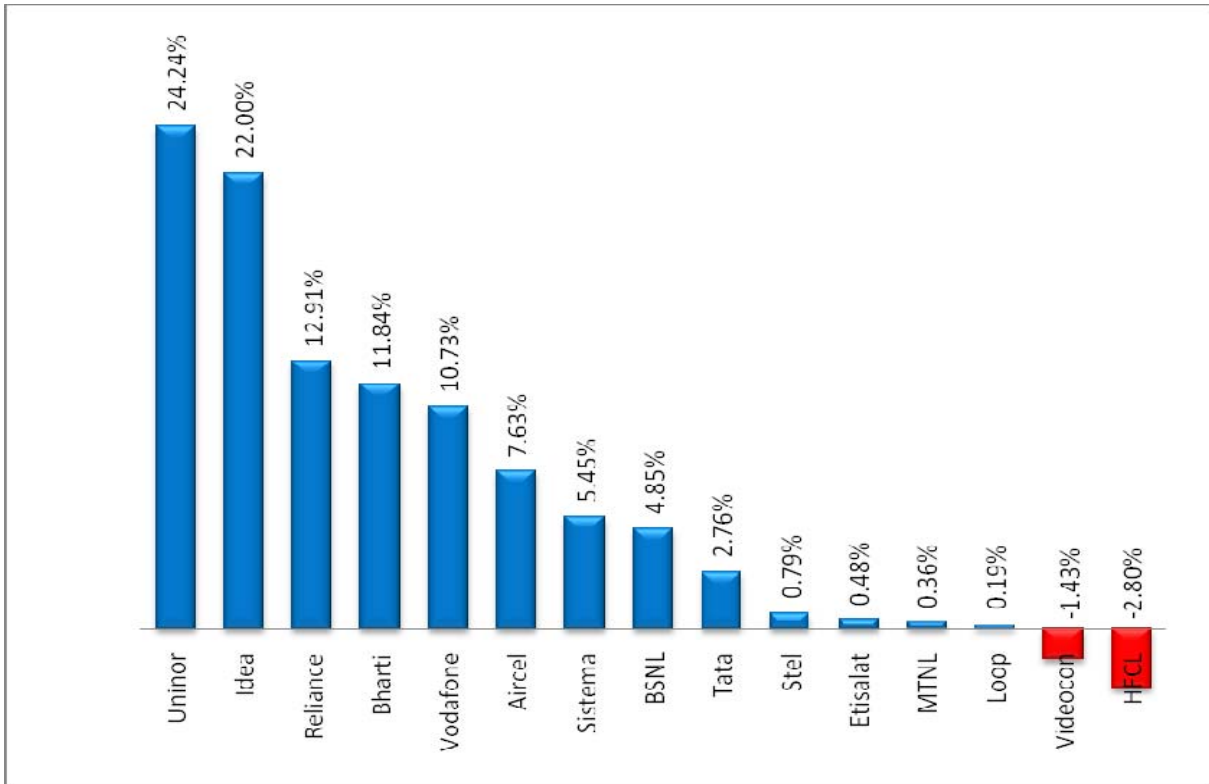
- Wireless subscription in **Urban Areas** increased from 570.54 million in August 2011 to **576.12** million at the end of September 2011. **Rural Subscription** increased from 295.17 million to **297.49** million during the same period. **This shows marginally higher growth in Urban Subscription (0.98%) than Rural Subscription (0.79%). The Urban wireless teledensity has increased from 157.76 to 159.03 and Rural teledensity has increased from 35.20 to 35.44.** Detailed statistics is at Annexure I.

- **Private operators hold 88.40% of the wireless market share** where as BSNL and MTNL, two PSU operators hold only **11.60% market share**. The graphical presentations of market shares and shares in net additions of all the service providers during the month of September 2011 are given below:

A. Service Provider wise Market Share as on 30.09.2011



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



❖ VLR Data

Out of the total **873.61 Million** subscribers, **617.76 Million** were active on the date of Peak VLR for the month of September 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 4.88 million. **The proportion of VLR subscribers is approximately 70.71% of the total wireless subscribers base reported by the service providers.**

Circle-wise, J&K has the highest proportion of VLR subscribers with 84.42% followed by Andhra-Pradesh (77.14%) and Assam (76.93%); Mumbai has the lowest proportion with 60.02%. **Service Provider wise**, Idea leads the tally with **91.03%** followed by Bharti (88.60%); Etisalat is at the bottom with 29.38%. 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**

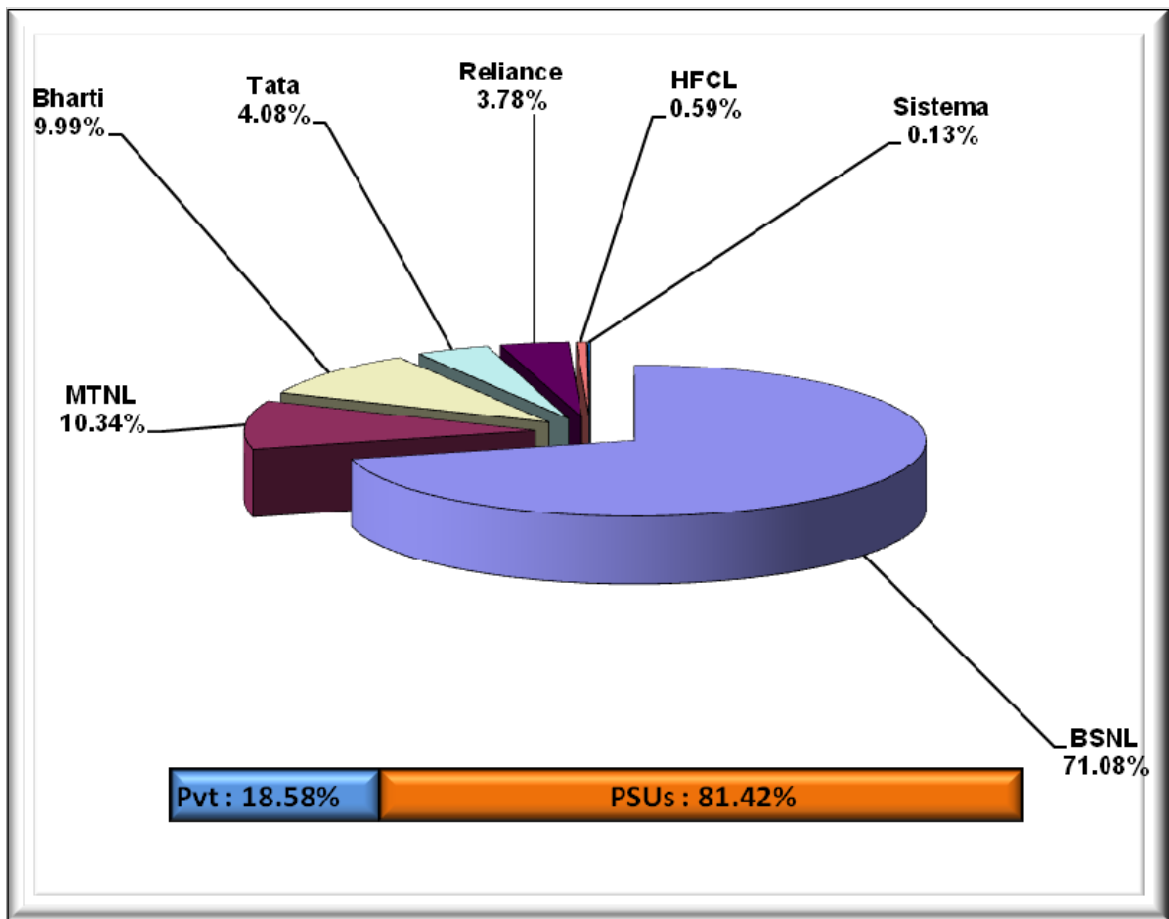
- As per the data reported by the service providers, **by the end of September 2011 about 206.29 lakh subscribers have submitted their requests to different service providers for porting their mobile number.** Out of these requests around 10.84 lakh pertains to Haryana wherein MNP was implemented from 25th Nov. 2010. In rest of the country, **in MNP Zone-I (Northern & Western India) maximum number of requests have been received in Gujarat (20.09 lakh)** followed by Maharashtra (16.93 lakh) whereas **in MNP Zone-II (Southern & Eastern India) maximum number of requests have been received in Andhra Pradesh (16.47 lakh)** followed by Karnataka Service area (16.16 lakh). In the month of September-2011, total number of subscribers who have submitted their request for MNP is 25.70 lakh. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of September 2011			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	1166412	Andhra Pradesh	1647055
Gujarat	2009094	Assam	52763
Himachal Pradesh	85807	Bihar	466645
Haryana	1084362	Karnataka	1616498
Jammu & Kashmir	4021	Kerala	1027698
Maharashtra	1692644	Kolkata	495667
Mumbai	760354	Madhya Pradesh	1317114
Punjab	893061	North East	13700
Rajasthan	1500858	Orissa	490305
Uttar pradesh - East	976794	Tamil Nadu	1375550
Uttar pradesh - West	1218776	West Bengal	733372
Total	11,392,183	Total	9,236,367
Total (Zone 1 + Zone 2)		20,628,550	

❖ Wireline Segment

- Wireline subscriber base **declined from 34.07 Million** at the end of August 2011 **to 33.31 Million** at the end of September 2011. The share of Urban Subscriber has marginally increased from 75.52% to 75.94% where as share of Rural Subscribers has marginally declined to 24.06% from 24.48%. **The overall wireline Tele-density in India marginally declined to 2.77 with urban and rural teledensity being 6.98 and 0.95 respectively.** BSNL and MTNL, two **PSU operators hold 81.42% of the Wireline market share.** Detailed statistics is at Annexure-III. The graphical presentation of market share of all service provider as on 30th September 2011 is given below:

Service Provider wise Market Share as on 30.09.2011



❖ 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 August 2011 to September 2011.

Category wise Net Additions and subscriber base

Category	Net Additions during the month of September, 2011		Subscriber Base as on 30th September, 2011	
	Wireline	Wireless	Wireline	Wireless
Circle A	-41181	2307656	13080876	308581650
Circle B	-118726	3689951	10782819	344193406
Circle C	-593776	1319290	2227039	118641425
Metro	-1194	587584	7221726	102196379
All India	-754877	7904481	33312460	873612860

Category-wise Growth Rate in Access Service

Category	Monthly Rate of Growth (Aug-2011 to Sep-2011)		Yearly rate of growth (Sep-2010 to Sep-2011)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.31%	0.75%	-3.81%	24.62%
Circle B	-1.09%	1.08%	-7.71%	29.58%
Circle C	-21.05%	1.12%	-27.85%	31.02%
Metro	-0.02%	0.58%	0.34%	21.77%
All India	-2.22%	0.91%	-6.34%	27.03%

- 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 12.69 million at the end of August 2011 to 12.84 million at the end of September 2011**, there by showing a monthly growth of 1.24%.

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	
	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11
Andhra Pradesh	17456377	17543731	8667532	8825016	7362500	7313071	8368683	8410479	8717281	8814749	1709529	1778237
Assam	3408558	3440564	2390788	2462502	1743967	1780174	123849	124864	294302	307731	3608277	3639355
Bihar	16319709	16372973	8921166	9051196	5395716	5434847	5260719	5248832	4917748	5122796	4817267	4836771
Delhi	8397836	8440357	8298952	8317278	8092037	8161323	5358446	5430505	4266183	4274022	2211757	2303559
Gujarat	6775065	6786155	8177804	8225226	15252281	15330567	3930378	4018390	7349402	7473029	579380	640249
Himachal Pradesh	1729342	1742796	1795867	1840183	379851	392233	414912	416668	380522	403346	676266	676110
Haryana	2237639	2252561	4127515	4258066	4216629	4244337	3047377	3059412	3382155	3552946	516988	535578
J & K	1937286	1949520	498181	531807	588148	607948	117064	118794	140055	154241	1783650	1496257
Karnataka	15033798	15134765	7868601	7815146	6691671	6752649	7078078	7024800	4470759	4610753	1680980	1656806
Kerala	3481438	3489607	4165484	4180672	5669561	5663785	2422708	2352835	7245374	7292186	2406564	2470924
Kolkata	3730075	3745605	5386762	5431818	4420451	4440616	3188186	3229645	838797	940631	1622478	1682576
Madhya Pradesh	9566333	9578239	11855150	12006859	3325392	3417602	4760856	4712441	12209580	12361239	744387	750829
Maharashtra	9027938	9059413	10239427	10300503	12069465	12159506	10690759	10663346	13845353	13975703	1099353	1140080
Mumbai	3664046	3677397	8131662	7951942	6004656	6033153	6151709	6172957	2369877	2411871	1154152	1139159
North East	2131723	2152503	768523	799872	872495	879899	77344	77126	218639	214131	2301870	2344899
Orissa	5682103	5705644	4522390	4573287	2385494	2399585	2409860	2451455	630663	669135	2600639	2636381
Punjab	6773907	6833634	4773461	4820558	4264566	4309584	3458853	3559435	4810894	4898022	703812	766707
Rajasthan	12797957	12903873	7592181	7600042	8830483	8930277	4129323	4239632	3149579	3205315	991309	1051189
Tamil Nadu	12996260	13111896	8608283	8618340	11807288	11903932	4485601	4461048	1748808	1736664	20908300	21045433
U.P.(E)	13338030	13383415	12180273	12357883	14271405	14258211	4683311	4655365	6490307	6569496	2083872	2120118
U.P.(W)	6504174	6575163	9743491	9780550	9304089	9277895	5233056	5237658	9431884	9568967	1964201	2015481
West Bengal	8857230	8902960	7353433	7338441	11195886	11301041	3164199	3108046	1533552	1623403	3026630	3068223
Total	171846824	172782771	146066926	147087187	144144031	144992235	88555271	88773733	98441714	100180376	59191661	59794921
Net Additions during Sep-2011		935947		1020261		848204		218462		1738662		603260

Wireless Subscriber Base
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Annexure-I

Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11
Andhra Pradesh	8643762	8886739			2695942	2750241	532296	554288	0	0	10926	11027
Assam	1531540	1523557			0	0	161	330	117	155	0	0
Bihar	6135587	6084349			3108057	3426728	1180179	1289118	54	127	19922	19823
Delhi	0	0	2705772	2723258	0	0	877087	939112	0	0	0	0
Gujarat	4084445	4086031			2140153	2189373	66407	75378	0	9	1324899	1266412
Himachal Pradesh	1718766	1722795			0	0	30	23	0	0	83556	87139
Haryana	3058132	2997069			0	0	182190	196917	91	90	724258	778687
J & K	975239	949999			0	0	14	15	0	0	0	0
Karnataka	6200225	6299738			1273842	1275396	1713789	1746711	137	216	11972	12016
Kerala	6272956	6460481			693616	720681	561142	568810	0	0	363455	315352
Kolkata	2341651	2353269			1360966	1387354	716458	704287	1501	1744	0	10
Madhya Pradesh	4834824	4814984			0	150	719	278	102	127	1201424	1209489
Maharashtra	6508057	6249744			2407222	2626482	591588	599103	21	104	13608	13796
Mumbai	0	0	2849315	2860189	1179051	1203710	766689	768595	3178900	3193124	1218409	1136735
North East	1578022	1599222			0	0	23	24	19	29	0	0
Orissa	4050871	4061790			1217305	1277692	136	144	645	722	10218	10548
Punjab	4710072	4691200			0	230	145	135	128	139	0	0
Rajasthan	5568672	5528502			0	0	2219704	2233161	252	293	10589	10329
Tamil Nadu	8962870	9167261			1392256	1415965	1535624	1543277	0	0	1340470	1349190
U.P.(E)	10169549	10216787			4410249	4977930	220820	270681	0	0	19948	19738
U.P.(W)	4641167	4637247			3380899	3705581	216842	263040	0	0	9476	9470
West Bengal	3424672	3463778			2478596	2696791	1453895	1513072	0	0	19363	19520
Total	95411079	95794542	5555087	5583447	27738154	29654304	12835938	13266499	3181967	3196879	6382493	6269281
Net Additions during Sep-2011		383463		28360		1916150		430561		14912		-113212

Wireless Subscriber Base
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Annexure-I

Circle	Group						Circle-wise Total		
	S-tel		HFCL		Etisalat		Aug-11	Sep-11	Net Addition
	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11			
Andhra Pradesh	0	0			27867	28615	64192695	64916193	723498
Assam	107830	111455			0	0	13209389	13390687	181298
Bihar	1953713	1956431			32733	34277	58062570	58878268	815698
Delhi	0	0			718427	725869	40926497	41315283	388786
Gujarat	0	0			24508	26640	49704722	50117459	412737
Himachal Pradesh	430310	441927			0	0	7609422	7723220	113798
Haryana	0	0			10483	11065	21503457	21886728	383271
J & K	0	0			0	0	6039637	5808581	-231056
Karnataka	0	0			20881	22662	52044733	52351658	306925
Kerala	0	0			9735	10213	33292033	33525546	233513
Kolkata	0	0			0	0	23607325	23917555	310230
Madhya Pradesh	0	0			56048	61424	48554815	48913661	358846
Maharashtra	0	0			27480	28951	66520271	66816731	296460
Mumbai	0	0			406507	414709	37074973	36963541	-111432
North East	41827	43079			0	0	7990485	8110784	120299
Orissa	900308	943502			0	0	24410632	24729885	319253
Punjab	0	0	1445751	1224483	13355	14283	30954944	31118410	163466
Rajasthan	0	0			27417	28922	45317466	45731535	414069
Tamil Nadu	0	0			25813	26603	73811573	74379609	568036
U.P.(E)	0	0			38289	41050	67906053	68870674	964621
U.P.(W)	0	0			37952	40525	50467231	51111577	644346
West Bengal	0	0			0	0	42507456	43035275	527819
Total	3433988	3496394	1445751	1224483	1477495	1515808	865708379	873612860	7904481
Net Additions during Sep-2011		62406		-221268		38313		7904481	

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

Annexure-II

Circle	Aircel	Bharti	BSNL(Ex ept CDMA)	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor	Videocon	Vodafone	Total
Andhra Pradesh	58.36	92.79	95.73	13.91		90.89			61.37		59.54	55.35	60.08	7.18	57.20	77.14
Assam	75.95	90.40	55.28			84.23	13.55		67.43	47.26	114.85	73.81			85.38	76.93
Bihar	43.57	90.83	39.53	13.46		86.17			63.88	36.68	37.38	41.74	63.10	11.36	91.67	68.14
Delhi	50.92	80.88		39.22		88.35		40.49	78.16		24.33	43.75			85.41	70.77
Gujarat	100.88	84.95	56.11	16.43		88.44			62.31		36.07	55.60	69.51	44.73	82.93	74.84
Himachal Pradesh	60.84	93.24	58.03			94.42			55.14	46.13		34.91		21.18	91.67	66.80
Haryana	35.28	90.42	47.89	14.22		85.86	15.56		55.60		24.5	54.55		37.47	89.61	68.04
J & K	96.09	93.59	66.59			90.97			62.56			69.02			74.65	84.42
Karnataka	40.54	93.36	53.80	11.61		93.22			68.27		67.22	62.54	59.21	1.61	67.89	74.14
Kerala	34.98	84.84	63.96	7.80		91.67			59.15		53.18	59.19	29.29	23.79	79.81	69.87
Kolkata	51.37	85.77	34.77			81.76	2.92		61.82		60.13	59.71	58.59		78.80	65.58
Madhya Pradesh	60.77	87.68	49.12	15.71		97.95	27.56		64.07		180.22	66.28		36.22	69.38	75.57
Maharashtra	51.37	89.47	63.52	16.62		95.15			62.71		45.52	49.57	70.45	9.89	86.54	75.36
Mumbai	51.31	82.78		24.84		85.37	42.03	31.57	76.00		15.81	36.83	53.20	44.85	75.58	60.02
North East	75.48	86.17	58.67			82.88	44.83		57.22	32.43		77.14			80.34	73.71
Orissa	47.69	90.85	59.64			73.86	5.82		54.01	34.36	181.25	48.45	40.33	7.79	78.20	63.62
Punjab	52.86	90.25	48.69	17.31	44.03	90.68	18.71		61.31		190.37	48.54			85.57	71.38
Rajasthan	85.00	92.23	49.13	22.38		107.54	15.70		58.66		42.11	45.10		9.53	77.78	72.64
Tamil Nadu	51.62	90.37	45.81	7.27		63.36			58.95		54.25	52.01	52.92	41.25	84.52	64.02
U.P.(E)	60.42	91.13	42.38	21.31		88.72			63.04		52.14	46.24	67.65	10.15	82.60	70.97
U.P.(W)	53.82	70.96	43.46	13.89		90.22			58.66		55.05	43.60	59.26	20.39	84.34	67.68
West Bengal	47.25	79.50	48.44			74.86			66.24		65.24	36.77	61.37	9.12	87.03	69.49
Total	54.66	88.60	54.67	29.38	44.03	91.03	42.00	35.92	63.48	37.53	48.71	50.27	61.00	39.37	81.22	70.71

Wireline Subscriber Base

Annexure-III

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Circle	GROUP															Circle-wise Total		Net Addition
	BSNL		MTNL		Bharti		Reliance		Tata		HFCL		Sistema		Aug-11	Sep-11		
	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11	Aug-11	Sep-11		
Andhra Pradesh	1979707	1972556			125452	125472	87182	87518	166311	166902					2358652	2352448	-6204	
Assam	252899	249718							2445	2459					255344	252177	-3167	
Bihar	1179729	594652					4725	4749	9237	9155					1193691	608556	-585135	
Delhi			1545269	1547440	1073885	1074054	179577	180282	65671	66648					2864402	2868424	4022	
Gujarat	1662132	1654531			55111	55120	114611	113904	64384	65534					1896238	1889089	-7149	
Himachal Pradesh	321466	317999					4451	4462	1725	1766					327642	324227	-3415	
Haryana	578315	574579			23646	23650	4553	4659	15934	16221					622448	619109	-3339	
J & K	214446	212574					0		244	243					214690	212817	-1873	
Karnataka	2009361	2004758			490721	490798	108839	109477	113490	113896					2722411	2718929	-3482	
Kerala	3137900	3132965			55561	55570	54833	55260	11497	11910					3259791	3255705	-4086	
Kolkata	1163829	1156722			91646	91660	83341	83095	29624	29763					1368440	1361240	-7200	
Madhya Pradesh	949586	870342			304887	304935	34213	34783	7323	7620					1296009	1217680	-78329	
Maharashtra	2373260	2345167			70104	70115	98947	99657	213952	217543					2756263	2732482	-23781	
Mumbai			1900947	1897801	331799	331851	226114	227257	531218	535153					2990078	2992062	1984	
North East	256963	256857							209	224					257172	257081	-91	
Orissa	561138	560989					4134	4146	7004	7046					572276	572181	-95	
Punjab	1173419	1162971			105561	105578	35742	35097	16091	16201	195137	196383			1525950	1516230	-9720	
Rajasthan	1111064	1100774			39273	39279	24151	24685	4980	5047			43479	44835	1222947	1214620	-8327	
Tamil Nadu	2701117	2698214			485626	485702	143056	144312	58694	59700					3388493	3387928	-565	
U.P.(E)	1337311	1327567			50393	50401	38959	39405	12627	12947					1439290	1430320	-8970	
U.P.(W)	793403	786704			24132	24136	5529	5650	7393	7551					830457	824041	-6416	
West Bengal	696773	697173					2332	2398	5548	5543					704653	705114	461	
Operator-wise Total	24453818	23677812	3446216	3445241	3327797	3328321	1255289	1260796	1345601	1359072	195137	196383	43479	44835	34067337	33312460	-754877	
Net Additions during Sep-2011		-776006		-975		524		5507		13471		1246		1356		-754877		

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.
