

Information Note to the Press (Press Release No. 05/2012)

TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 9th January, 2012

For Immediate release

Website: - www.trai.gov.in

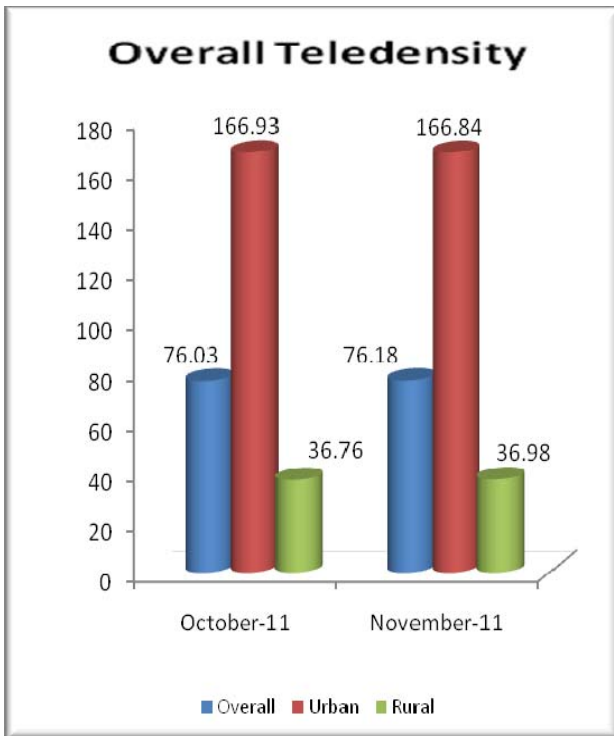
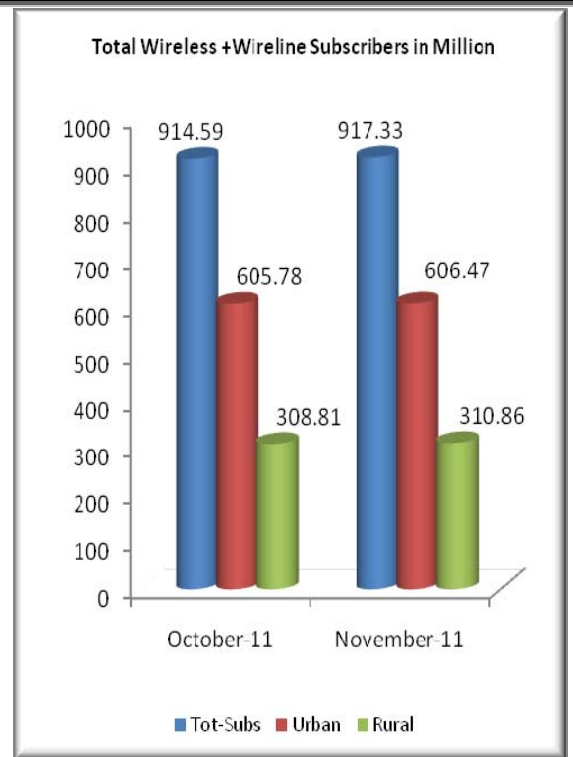
Highlights of Telecom Subscription Data as on 30th November, 2011

Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers (Million)	884.37	32.96	917.33
Total Net Addition (Million)	2.97	-0.23	2.74
% of Monthly Growth	0.34%	-0.69%	0.30%
Urban Subscribers (Million)	581.33	25.14	606.47
Urban Subscribers Net Addition (Million)	0.84	-0.14	0.69
% of Monthly Growth	0.14%	-0.57%	0.11%
Rural Subscribers (Million)	303.04	7.82	310.86
Rural Subscribers Net Addition (Million)	2.13	-0.08	2.05
% of Monthly Growth	0.71%	-1.06%	0.66%
Overall Teledensity	73.44	2.74	76.18
Urban Teledensity	159.92	6.92	166.84
Rural Teledensity	36.05	0.93	36.98
Share of Urban Subscriber	65.73%	76.27%	66.11%
Share of Rural Subscriber	34.27%	23.73%	33.89%

- ❖ **Mobile Number Portability requests increased from 231.66 lakh subscribers at the end of October 2011 to 258.37 lakh subscribers at the end of November 2011. In the month of November, 2011 alone 26.71 lakh request have been made for MNP.**
- ❖ **Active wireless subscribers on the date of peak VLR in November - 2011 are 635.39 Million.**
- ❖ **Broadband subscription reached 13.13 Million in November-2011 from 12.98 Million in October-2011.**

❖ Total Telephone Subscribers

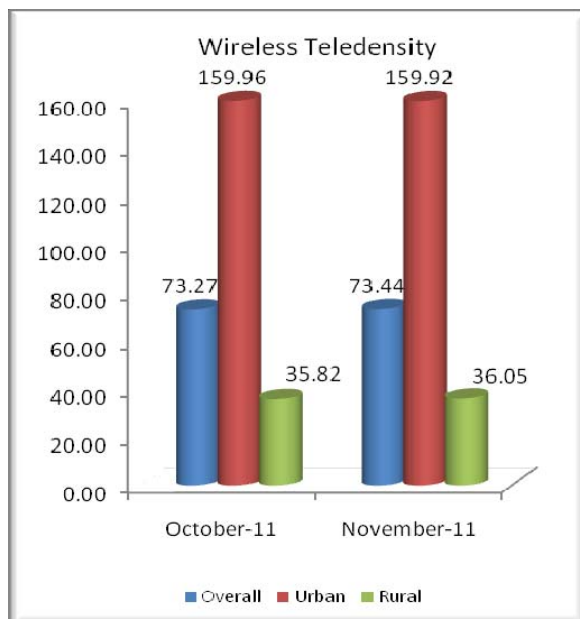
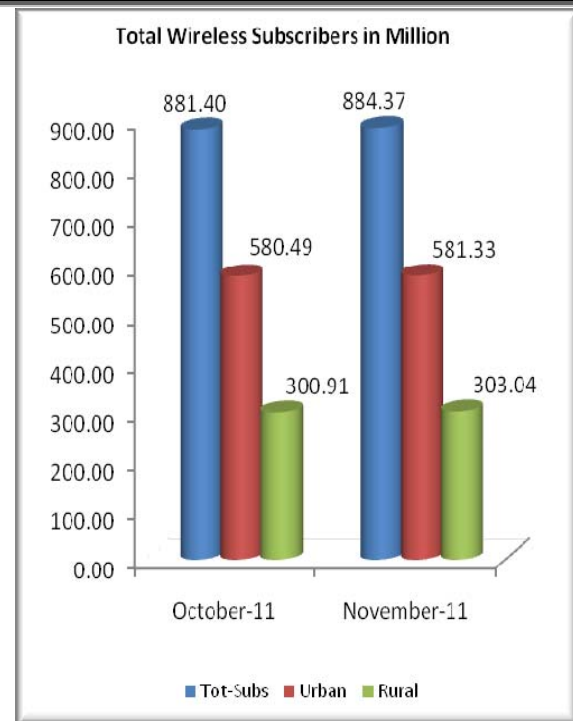
The number of telephone subscribers in India increased to **917.33** Million at the end of November, 2011 from 914.59 Million at the end of October 2011, thereby registering a growth rate of 0.30%. The share of Urban subscribers has marginally declined from 66.23% to 66.11% whereas share of Rural Subscribers has marginally increased from 33.77% to 33.89% in the month of November, 2011. With this, the overall Tele-density in India reaches to 76.18 at the end of November, 2011 from 76.03 of the previous month.



Subscription in **Urban Areas** grew from 605.78 million in October, 2011 to **606.47** million at the end of November, 2011. Subscription in **Rural Areas** increased from 308.81 million to **310.86** million during the same period. The growth of Urban and Rural Subscription is 0.11% and 0.66% respectively. The overall Urban teledensity has marginally decreased from 166.93 to 166.84 and Rural teledensity increased from 36.76 to 36.98.

❖ Wireless Segment (GSM, CDMA & FWP)

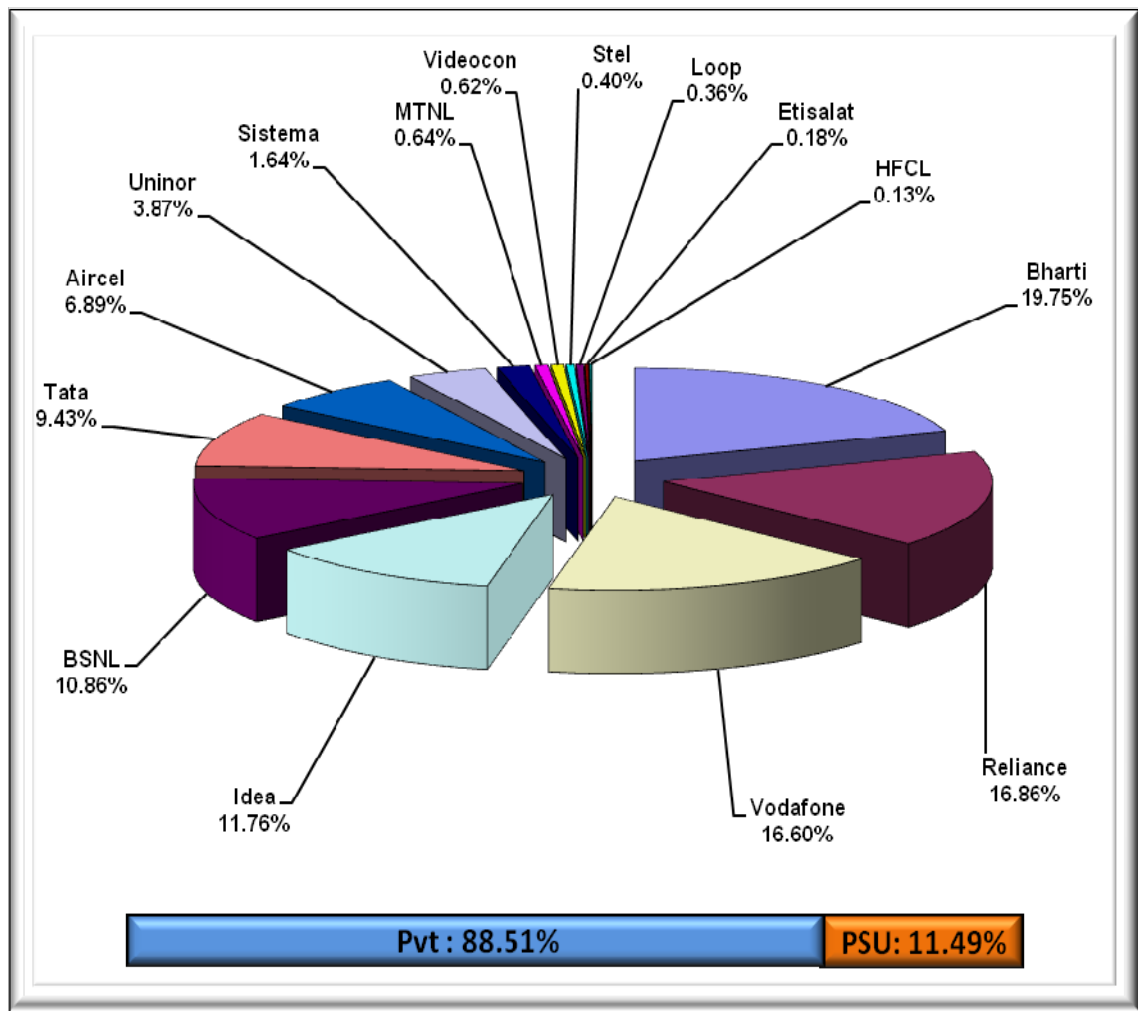
- Total Wireless subscriber base increased from 881.40 Million in October 2011 to **884.37** Million at the end of November 2011, registering a growth of 0.34%. Although the gross addition in number of wireless subscribers during the month of November, 2011 has been 8.19 million, the net addition has been 2.97 million due to disconnection of 5.22 million from the existing wireless subscribers. The share of Urban Subscriber has marginally decreased from 65.86% to 65.73% where as share of Rural Subscribers has marginally increased from 34.14% to 34.27%. The overall wireless Tele density in India reaches 73.44.



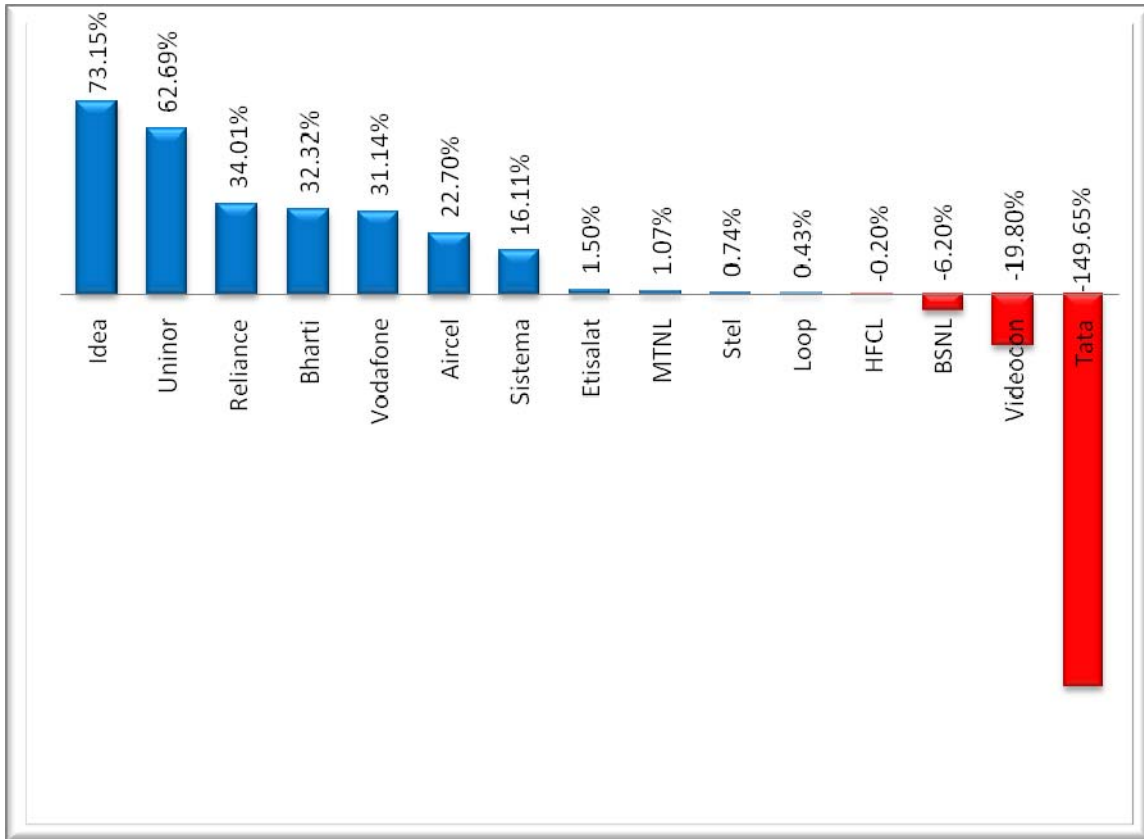
- Wireless subscription in **Urban Areas** increased from 580.49 million in October 2011 to **581.33** million at the end of November 2011. The subscription in **Rural Areas** increased from 300.91 million to **303.04** million during the same period. **This shows higher growth in Rural Subscription (0.71%)** than Urban Subscription (0.14%). The Urban teledensity has marginally decreased from 159.96 to 159.92 and Rural teledensity has increased from 35.82 to 36.05 in wireless sector. Detailed statistics is at Annexure I.

- **Private operators hold 88.51% of the wireless market share** where as BSNL and MTNL, two PSU operators hold only **11.49% market share**. The graphical presentations of market shares and shares in net additions of all the service providers during the month of November 2011 are given below:

A. Service Provider wise Market Share as on 30.11.2011



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



VLR Data

Out of the total **884.37 Million** subscribers, **635.39 Million were active on the date of Peak VLR for the month of November 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 4.48 million. **The proportion of VLR subscribers is approximately 71.85% of the total wireless subscribers base reported by the service providers.**

Circle-wise, J&K has the highest proportion of VLR subscribers with 81.63% followed by Assam (77.91%) and M.P. (77.46%); Mumbai has the lowest proportion with 60.17%. **Service Provider wise, Idea leads the tally with 92.26%** followed by Bharti (89.86%); Etisalat is at the bottom with 25.37%. 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**

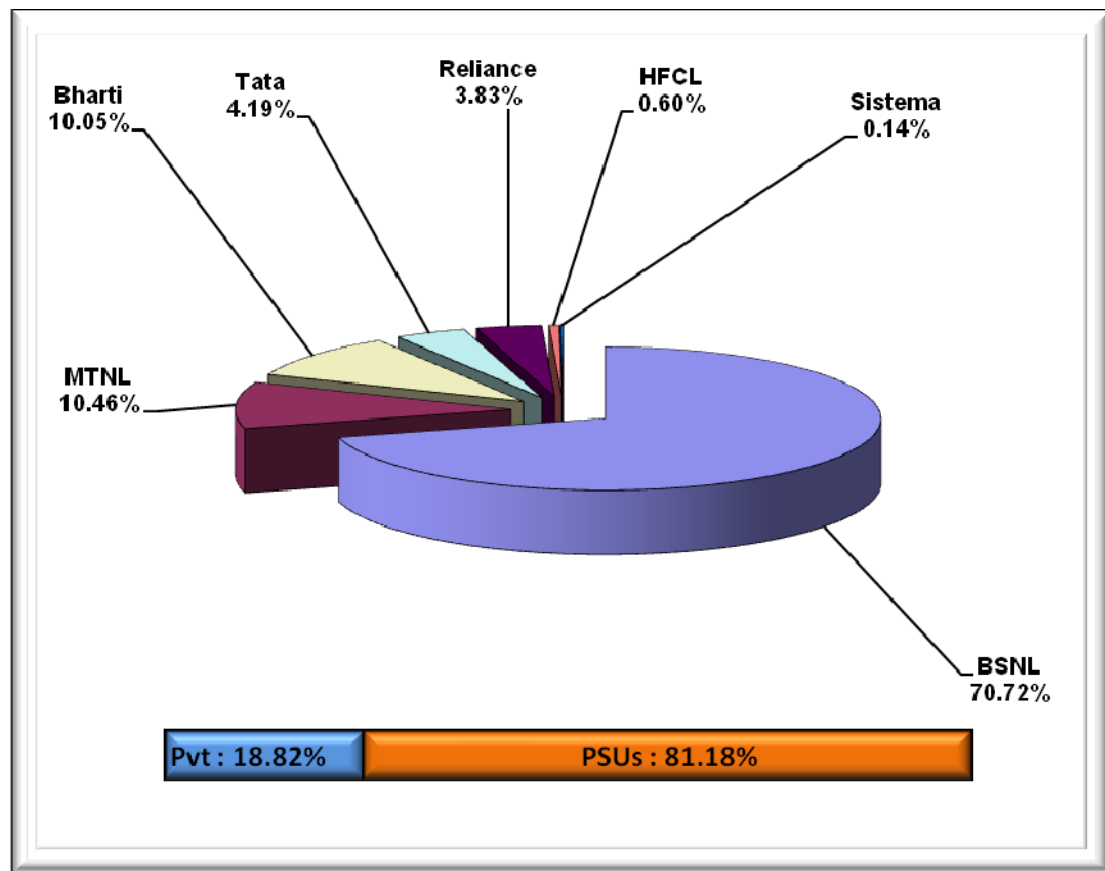
- As per the data reported by the service providers, **by the end of November 2011 about 258.37 lakh subscribers have submitted their requests to different service providers for porting their mobile number.** In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Gujarat (24.86 lakh) followed by Maharashtra (21.00 lakh) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (22.91 Lakh) followed by Andhra Pradesh Service area (22.71 lakh). In the month of November-2011, total number of subscribers who have submitted their request for MNP is 26.71 lakh. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of November, 2011			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	1353703	Andhra Pradesh	2270728
Gujarat	2485762	Assam	60681
Himachal Pradesh	96108	Bihar	562546
Haryana	1243228	Karnataka	2291458
Jammu & Kashmir	4503	Kerala	1380870
Maharashtra	2099875	Kolkata	577680
Mumbai	919959	Madhya Pradesh	1597182
Punjab	1052435	North East	16076
Rajasthan	2023625	Orissa	612379
Uttar pradesh - East	1215510	Tamil Nadu	1635385
Uttar pradesh - West	1487024	West Bengal	850600
Total	13,981,732	Total	11,855,585
Total (Zone-1 + Zone-2)		25, 837, 317	

❖ Wireline Segment

- Wireline subscriber base **declined from 33.19 Million** at the end of October 2011 **to 32.96 Million** at the end of November 2011. The share of Urban Subscriber has marginally increased from 76.18% to 76.27% where as share of Rural Subscribers has marginally declined from 23.82% to 23.73%. **The overall wireline Tele-density in India marginally declined to 2.74 with urban and rural teledensity being 6.92 and 0.93 respectively.** BSNL and MTNL, two **PSU operators hold 81.18% of the Wireline market share.** Detailed statistics is at Annexure-III. The graphical presentation of market share of all service provider as on 30th November 2011 is given below:

Service Provider wise Market Share as on 30.11.2011



❖ Category wise Growth

- From the below tables, Circle B shows the highest net addition and highest rate of monthly growth in the wireless sector from October 2011 to November 2011. Metro Circle shows the negative growth in wireless sector in the same period.

Category wise Net Additions and subscriber base

Category	Net Additions during the month of November, 2011		Subscriber Base as on 30th November, 2011	
	Wireline	Wireless	Wireline	Wireless
Circle A	-53593	862020	12990789	311478324
Circle B	-72581	2308406	10634807	349970466
Circle C	-105942	669623	2110736	120952516
Metro	3245	-869331	7224424	101969990
All India	-228871	2970718	32960756	884371296

Category-wise Growth Rate in Access Service

Category	Monthly Rate of Growth (Oct-2011 to Nov-2011)		Yearly rate of growth (Nov-2010 to Nov-2011)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.41%	0.28%	-3.80%	18.83%
Circle B	-0.68%	0.66%	-7.83%	23.69%
Circle C	-4.78%	0.56%	-28.24%	25.32%
Metro	0.04%	-0.85%	0.28%	15.87%
All India	-0.69%	0.34%	-6.33%	21.22%

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

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

Total Broadband subscriber base has **increased from 12.98 million** at the end of October 2011 **to 13.13 million at the end of November 2011**, there by showing a monthly growth of 1.21%. Yearly growth in broadband subscribers is 22.58% during the last one year (November, 2010 to November, 2011).

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	
	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11
Andhra Pradesh	17685107	17721389	8981852	9160406	7258719	7197610	8235416	7737106	8984765	9268250	1817934	1859698
Assam	3447110	3466443	2537245	2593318	1849755	1885328	126263	126378	294411	305300	3672489	3701583
Bihar	16521104	16641562	9201749	9404306	5488252	5593493	5301381	4981639	5285334	5287990	4911024	4988751
Delhi	8450403	8461711	8517087	8524334	8170241	8210255	5387083	4873344	4311419	4283768	2305643	2315972
Gujarat	6796184	6801753	8257954	8123274	15376521	15436544	4027408	3860552	7502330	7385929	648767	613228
Himachal Pradesh	1750145	1757405	1857472	1907235	402262	402780	412838	412826	408395	406132	668087	684585
Haryana	2264631	2271366	4209629	4293142	4305694	4344460	3057479	2825211	3662307	3545847	545233	548645
J & K	1974125	1987757	546286	558178	637276	654313	120224	118916	156252	152243	1530056	1553809
Karnataka	15179919	15211683	7727910	7922886	6780145	6632136	7013838	6920462	4698035	5112442	1663343	1695442
Kerala	3496462	3498217	4211195	4229240	5693709	5760856	2382647	2398142	7299404	7226115	2481250	2429362
Kolkata	3755512	3764811	5474238	5146279	4445700	4460935	3218064	3137189	921387	1134127	1708540	1726053
Madhya Pradesh	9591602	9593086	12064999	12257058	3518027	3635075	4773499	4734905	12678781	12934969	780855	782868
Maharashtra	9070507	9214142	10387109	10610346	12215708	12426942	10307918	9354351	14316555	14534050	1170761	1139786
Mumbai	3688254	3698483	8362354	8470835	6051650	6067644	5905753	5288462	2464245	2625399	1122664	1088034
North East	2162389	2173120	828300	854387	904552	924086	77097	76553	205683	206627	2365597	2413133
Orissa	5729795	5765994	4651581	4703532	2428956	2443962	2474255	2364351	642028	821973	2605986	2634446
Punjab	6865113	6891544	4836720	4891197	4339673	4374706	3507977	3497639	4939475	4964512	786331	792349
Rajasthan	13099578	13290963	7631427	7664054	9003285	9063319	4302688	3937564	3443590	3456921	1119840	1257879
Tamil Nadu	13155994	13211541	8610110	8639132	12010517	12110762	4310718	4196633	1652484	1911230	21114893	21353085
U.P.(E)	13549264	13711965	12217777	12275528	14318541	14393719	4654049	4487178	6743684	6955288	2152172	2264567
U.P.(W)	6588304	6603129	9644465	9668920	9318640	9343761	5138625	4926027	9607016	9641719	2061585	2037819
West Bengal	8911088	8954609	7362284	7232598	11398352	11478592	3100892	3134932	1601812	1831534	3051352	3077517
Total	173732590	174692673	148119743	149130185	145916175	146841278	87836112	83390360	101819392	103992365	60284402	60958611
Net Additions during Nov-2011		960083		1010442		925103		-4445752		2172973		674209

Wireless Subscriber Base
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Annexure-I

Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11
Andhra Pradesh	9000569	9034204			2821547	2863210	615218	640056	0	0	11081	11059
Assam	1538629	1562662			0	0	630	534	271	311	0	0
Bihar	5919295	5573674			3841785	3961397	1390965	1470912	200	263	20437	20076
Delhi	0	0	2741869	2763202	0	0	967880	1023266	0	0	0	0
Gujarat	4087342	4085038			2557729	2806237	88340	99828	20	43	1161145	1089755
Himachal Pradesh	1730058	1720822			28	54	44	55	0	0	89671	77216
Haryana	2947464	2933917			89	159	219377	201658	90	93	809124	760178
J & K	975492	989053			0	0	33	38	0	0	0	0
Karnataka	6398764	6477672			1337550	1427365	1877419	1953127	319	421	12042	11947
Kerala	6608209	6704021			701921	723103	594004	604963	0	0	300719	245975
Kolkata	2362759	2376861			1421628	1367158	738272	774023	1859	2096	696	1536
Madhya Pradesh	4714956	4730104			458	600	1348	1487	150	172	1145018	1078374
Maharashtra	6160933	5830459			3057231	3395832	620609	643929	156	259	13577	13668
Mumbai	0	0	2873366	2883820	1264735	1339080	736487	727331	3206666	3218870	1093281	1021486
North East	1625995	1523362			0	0	127	54	41	41	0	0
Orissa	4126947	4162750			1257740	1321669	189	216	787	853	10650	10678
Punjab	4716861	4716823			291	322	516	572	139	136	0	0
Rajasthan	5597741	5682560			0	109	2319087	2326775	341	366	10391	10567
Tamil Nadu	9344630	9468788			1416193	1374439	1592648	1659497	0	0	1341325	1080789
U.P.(E)	10187175	10207542			5507380	6111539	345135	371785	0	0	19732	16728
U.P.(W)	4630671	4661153			4103303	4196745	337070	370572	0	0	9470	8831
West Bengal	3520934	3569873			3029911	3292937	1570598	1623913	0	0	20172	21354
Total	96195424	96011338	5615235	5647022	32319519	34181955	14015996	14494591	3211039	3223924	6068531	5480217
Net Additions during Nov-2011		-184086		31787		1862436		478595		12885		-588314

Wireless Subscriber Base
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Annexure-I

Circle	Group						Circle-wise Total		
	S-tel		HFCL		Etisalat		Oct-11	Nov-11	Net Addition
	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11			
Andhra Pradesh	0	0			30160	31501	65442368	65524489	82121
Assam	124144	128581			0	0	13590947	13770438	179491
Bihar	1968524	2017240			35827	38240	59885877	59979543	93666
Delhi	0	0			736135	742821	41587760	41198673	-389087
Gujarat	0	0			28567	30479	50532307	50332660	-199647
Himachal Pradesh	443742	449381			0	0	7762742	7818491	55749
Haryana	0	0			12065	12641	22033182	21737317	-295865
J & K	0	0			0	0	5939744	6014307	74563
Karnataka	0	0			24482	26119	52713766	53391702	677936
Kerala	0	0			10704	11015	33780224	33831009	50785
Kolkata	0	0			0	0	24048655	23891068	-157587
Madhya Pradesh	0	0			65075	69391	49334768	49818089	483321
Maharashtra	0	0			30417	32059	67351481	67195823	-155658
Mumbai	0	0			433451	450805	37202906	36880249	-322657
North East	42242	42685			0	0	8212023	8214048	2025
Orissa	962646	925265			0	0	24891560	25155689	264129
Punjab	0	0	1158856	1152801	15493	15980	31167445	31298581	131136
Rajasthan	0	0			30936	32777	46558904	46723854	164950
Tamil Nadu	0	0			26870	27754	74576382	75033650	457268
U.P.(E)	0	0			43130	45408	69738039	70841247	1103208
U.P.(W)	0	0			42954	43834	51482103	51502510	20407
West Bengal	0	0			0	0	43567395	44217859	650464
Total	3541298	3563152	1158856	1152801	1566266	1610824	881400578	884371296	2970718
Net Additions during Nov-2011		21854		-6055		44558		2970718	

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

Annexure-II

Circle	Aircel	Bharti	BSNL(Exept CDMA)	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor	ideocon	Vodafone	Total
Andhra Pradesh	58.11	93.19	66.74	11.97		91.80			59.96		57.06	62.11	61.65	2.45	58.88	74.48
Assam	75.61	91.39	54.36			91.06	27.33		71.35	36.99	148.69	73.22			87.12	77.91
Bihar	43.38	94.95	43.75	11.40		90.77			66.17	29.33	36.87	44.49	59.52	8.35	95.69	70.85
Delhi	55.97	79.91		35.66		89.49		40.72	78.50		26.40	47.71			85.76	71.87
Gujarat	111.13	84.21	56.95	14.34		91.70			64.32		39.75	56.43	62.08	49.01	85.73	76.43
Himachal Pradesh	60.84	93.59	59.16			90.91			56.39	42.61		35.11		19.74	93.41	67.17
Haryana	35.19	91.42	50.37	13.30		88.98	17.20		54.85		29.8	58.17		39.80	90.96	70.00
J & K	84.91	95.29	65.49			87.80			62.86			66.88			74.05	81.63
Karnataka	37.82	92.24	54.76	9.70		90.63			67.40		64.65	63.87	60.73	1.28	71.13	74.20
Kerala	35.89	84.84	64.66	5.53		94.86			58.36		51.47	57.82	32.44	25.77	81.64	70.84
Kolkata	50.52	84.04	34.52			73.21	3.82		66.94		55.74	61.88	61.82		80.56	66.74
Madhya Pradesh	59.90	88.49	51.02	14.45		98.44	34.88		67.64		56.09	67.09		39.61	70.91	77.46
Maharashtra	43.25	87.88	67.66	14.35		95.35			63.14		48.57	56.18	66.84	4.55	87.92	77.18
Mumbai	55.66	82.46		19.38		81.33	40.06	29.79	72.77		17.19	40.71	51.48	42.66	75.72	60.17
North East	67.34	89.09	60.86			88.77	29.27		59.88	27.62		75.94			79.96	72.95
Orissa	49.69	92.76	59.81			67.94	5.51		56.07	29.74	186.11	52.28	44.21	2.50	80.76	65.25
Punjab	53.07	91.28	49.95	15.33	44.29	92.13	11.03		58.87		61.19	49.31			87.35	72.15
Rajasthan	86.81	93.03	48.35	19.90		109.05	18.31		60.14		43.03	49.81		4.65	81.17	74.71
Tamil Nadu	50.81	91.10	44.77	5.97		62.80			56.76		51.98	57.04	57.66	48.26	86.13	64.28
U.P.(E)	66.31	93.07	42.69	18.33		92.52			66.50		53.95	51.98	62.71	5.11	86.05	73.38
U.P.(W)	54.98	73.14	46.18	12.65		92.39			62.12		53.82	48.20	59.13	10.01	86.09	70.14
West Bengal	46.59	81.80	48.51			77.74			74.46		63.94	36.24	57.55	4.00	88.34	71.26
Total	54.42	89.46	52.96	25.37	44.29	92.26	40.02	35.14	64.89	31.37	48.47	54.01	59.55	42.09	83.30	71.85

Wireline Subscriber Base

Annexure-III

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Circle	GROUP														Circle-wise Total		
	BSNL		MTNL		Bharti		Reliance		Tata		HFCL		Sistema		Oct-11	Nov-11	Net Addition
	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11	Oct-11	Nov-11			
Andhra Pradesh	1965527	1965681			125502	124938	87654	87745	169761	170364					2348444	2348728	284
Assam	248683	231309							2508	2552					251191	233861	-17330
Bihar	595014	594637					4764	4764	9213	9592					608991	608993	2
Delhi			1550362	1550362	1074311	1073486	180742	181119	67880	72924					2873295	2877891	4596
Gujarat	1650463	1644056			55133	54885	113058	112247	66217	66692					1884871	1877880	-6991
Himachal Pradesh	315560	312695					4462	4462	1738	1753					321760	318910	-2850
Haryana	566927	560926			23656	23550	4686	4694	16296	16756					611565	605926	-5639
J & K	210875	208148							304	308					211179	208456	-2723
Karnataka	2000238	1993814			490916	488711	109713	109899	113133	115352					2714000	2707776	-6224
Kerala	3100304	3086596			55583	55333	55389	55484	11969	12115					3223245	3209528	-13717
Kolkata	1152256	1145811			91682	91770	82663	82178	29761	29686					1356362	1349445	-6917
Madhya Pradesh	867043	860653			305008	299138	35019	35121	8163	8760					1215233	1203672	-11561
Maharashtra	2321111	2295755			70132	69817	100122	100303	219086	220956					2710451	2686831	-23620
Mumbai			1896837	1898676	331930	330439	228087	228644	534668	539329					2991522	2997088	5566
North East	252274	253289							225	231					252499	253520	1021
Orissa	559868	475763					4134	4086	7056	7147					571058	486996	-84062
Punjab	1153973	1141714			105603	105129	34357	33711	16493	15927	196602	197419			1507028	1493900	-13128
Rajasthan	1093284	1086885			39288	39112	24904	25025	5175	5320			46026	46762	1208677	1203104	-5573
Tamil Nadu	2695675	2679539			485818	483636	144783	145223	60340	61176					3386616	3369574	-17042
U.P.(E)	1315739	1299445			50413	50187	39570	39709	12617	12758					1418339	1402099	-16240
U.P.(W)	784334	782030			24142	24034	5655	5653	7252	7414					821383	819131	-2252
West Bengal	694255	689737					2293	2230	5370	5480					701918	697447	-4471
Operator-wise Total	23543403	23308483	3447199	3449038	3329117	3314165	1262055	1262297	1365225	1382592	196602	197419	46026	46762	33189627	32960756	-228871
Net Additions during Nov-2011		-234920		1839		-14952		242		17367		817		736		-228871	

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.
