

## Information Note to the Press (Press Release No. 11 /2011)

### TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 9<sup>th</sup> February 2011

For Immediate release

Website: - [www.trai.gov.in](http://www.trai.gov.in)

#### Telecom Subscription Data as on 31<sup>st</sup> December 2010

- ❖ **Total Telephone subscriber base reaches to 787.28 Million in Dec-2010 from 764.76 Million in Nov-2010**
  - **Wireless subscription reaches to 752.19 Million in Dec-2010 from 729.57 Million in Nov-2010**
  - **Wireline subscription declines to 35.09 Million in Dec-2010 from 35.19 Million in Nov-2010**
- ❖ **22.62 Million new additions in wireless**
- ❖ **Active wireless subscribers in VLR in Dec-2010 is 529.22 Million**
- ❖ **Overall Tele-density reaches to 66.16 in Dec-2010 from 64.34 in Nov-2010 with overall urban and rural tele-densities being 147.88 & 31.18 respectively**
- ❖ **Wireless Tele-density reaches to 63.22 with urban and rural tele-densities being 140.53 & 30.11 respectively**
- ❖ **Wireline Tele-density declines to 2.95 with urban and rural tele-densities being 7.35 & 1.07 respectively**
- ❖ **Broadband subscription reaches to 10.92 Million in Dec-2010 from 10.71 Million in Nov-2010**

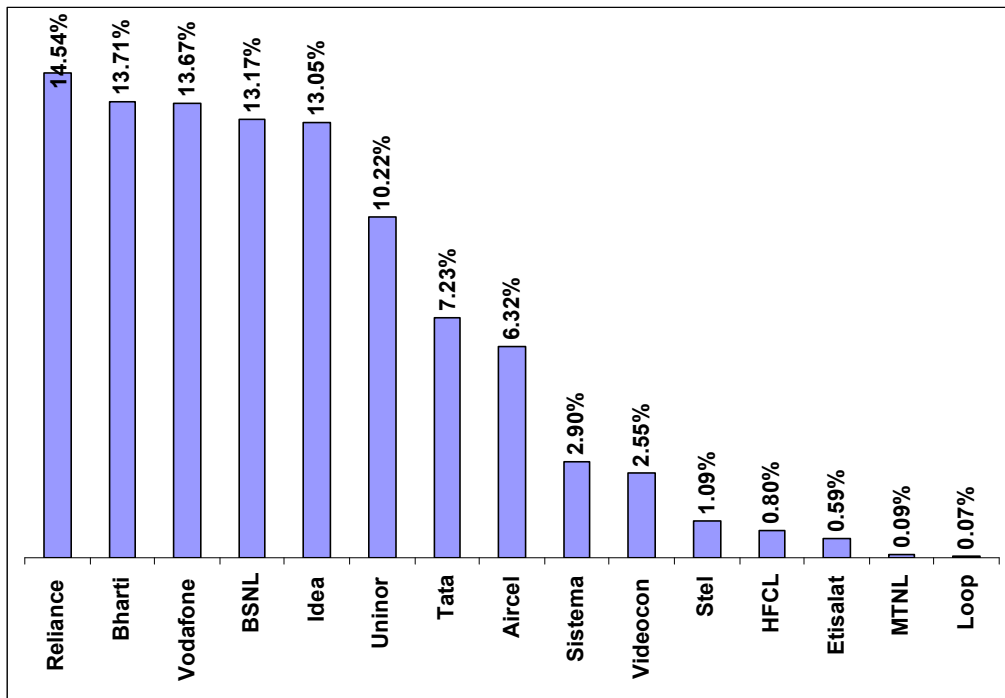
The number of telephone subscribers in India increased to **787.28** Million at the end of December 2010 from 764.76 Million in November-2010, thereby registering a growth rate of 2.95%. With this, ***the overall Tele-density in India reaches 66.16.***

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

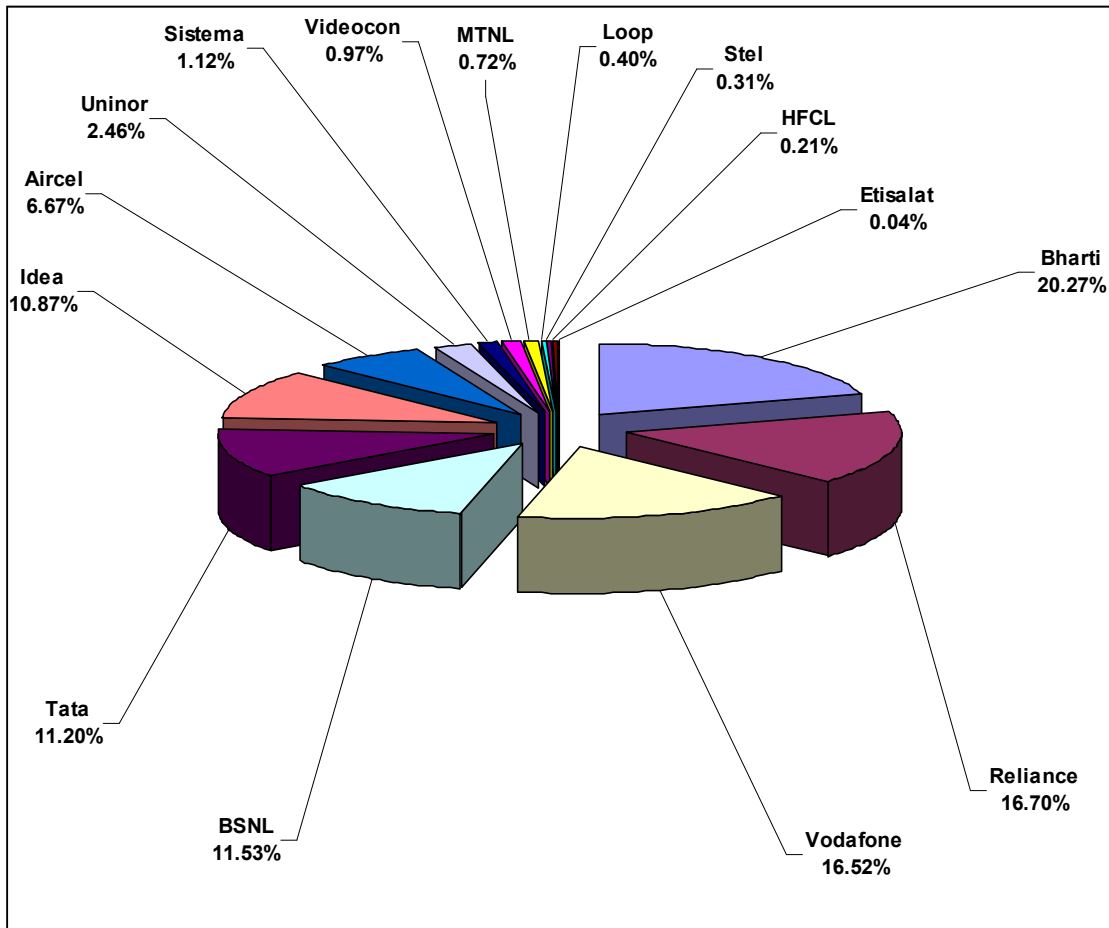
Wireless subscriber base increased from 729.57 Million in November-2010 to 752.19 Million at the end of December-2010 registering a growth of 3.10%. Wireless Tele-density stands at 63.22. Detailed statistics is at Annexure-I.

### **Wireless Service:**

#### **A. Service Providers' share in net additions during the month of December-2010**



**B. Service Provider wise Market Share as on 31.12.10**



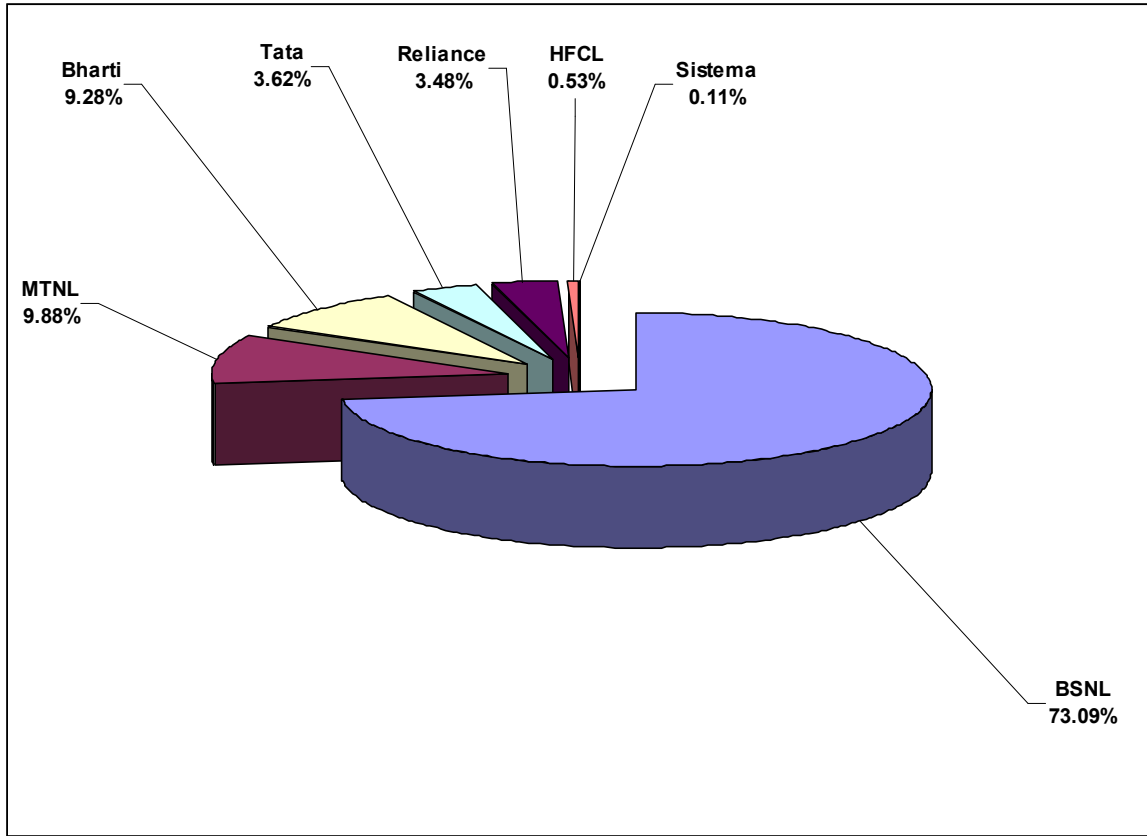
### **VLR Data**

Out of the total 752.19 Million subscribers, 529.22 Million subscribers were active subscribers in VLR on the last working day of the month i.e, 31<sup>st</sup> December 2010. The total active VLR number excludes the CDMA VLR figure of BSNL, as the service provider has not provided the VLR figures corresponding to their total CDMA subscriber base of 5.47 million. The proportion of VLR subscribers is approximately 70.36 % of the total wireless subscriber base reported by the service providers. Circle-wise, Jammu & Kashmir has the highest proportion of VLR subscribers with 81.84 % followed by Assam (79.16 %) and Maharashtra (77.73%); Mumbai has the lowest proportion with 57.97%. Service Provider wise, Bharti leads the tally with 91.79% closely followed by Idea with 90.04%; MTNL is at the bottom with 35.10%. The detailed statistics is at Annexure II & the methodology used for reporting subscriber base/active subscribers is at Annexure IV.

### **Wireline Segment**

Wireline subscriber base declined from 35.19 Million in November-2010 to 35.09 Million at the end of December-2010. BSNL/MTNL, two PSU operators hold 82.98 % of the Wireline market share. Overall Wireline teledensity is 2.95. Detailed statistics is at Annexure-III.

**Service Provider wise Market Share as on 31-12-2010**



**Category wise Net Additions during the Month of December-2010**

Category	Net Additions	
	Wireline	Wireless
Circle A	-12490	7875259
Circle B	-71667	9831820
Circle C	-19201	2751971
Metro	4946	2161865
<b>All India</b>	<b>-98412</b>	<b>22620915</b>

**Category-wise Growth Rate in Access Service**

Category	Monthly Rate of Growth (November-2010 to December-2010)		Yearly rate of growth (December-2009 to December-2010)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.09%	3.00%	-3.05%	39.85%
Circle B	-0.62%	3.47%	-10.50%	46.78%
Circle C	-0.65%	2.85%	-9.77%	49.06%
Metro	0.07%	2.46%	1.57%	36.53%
<b>All India</b>	<b>-0.28%</b>	<b>3.10%</b>	<b>-5.33%</b>	<b>43.23%</b>

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

Total Broadband subscriber base has increased from 10.71 million in November-2010 to 10.92 million in December-2010, there by showing a growth of 1.88 %.

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

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Authorised to issue.

(Raj Pal)

**Wireless Subscriber Base**  
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Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel / Dishnet	
	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10
Andhra Pradesh	15036616	15329598	7972339	8084150	6822996	6954764	8656057	8693388	7456513	7800076	1686674	1712612
Assam	2787238	2828490	2017889	2021320	1085511	1151891	109768	111589	186297	197036	2909490	2959315
Bihar	13710517	13901163	7742838	7875470	4416172	4557162	4909914	5006901	4087406	4200974	4140475	4178731
Delhi	7355885	7420171	7127170	7340797	6319826	6491025	5630796	5657536	3167490	3422238	1815850	1851911
Gujarat	6059442	6211414	6834854	6886955	13203722	13643746	3156155	3213432	6309946	6600203	148463	181592
Himachal Pradesh	1515361	1528727	1352621	1377365	271562	284136	307002	327654	405432	437037	723799	748372
Haryana	1832431	1856093	3207328	3334175	3467945	3532770	2863843	2898511	2589767	2641238	237732	272982
J & K	1833100	1879828	358087	418405	310943	362171	88814	92154	79269	88558	1559086	1627640
Karnataka	13853767	14004247	6872385	7146799	5972975	6135912	6895836	6960222	3401730	3600642	1378051	1429830
Kerala	3368665	3383097	3615149	3680465	4870098	4966772	2637033	2663409	6102641	6222842	1808038	1916490
Kolkata	3074515	3181073	4142625	4315036	3972409	4032549	3026220	3101301	853028	878242	1576371	1619342
Madhya Pradesh	8374406	8527584	9954204	10298277	2362854	2406495	4525925	4689375	9036735	9361609	431553	570667
Maharashtra	7715885	7865425	8457250	8747400	9387501	9774318	9474614	9738491	11281376	11800335	858589	907715
Mumbai	3238592	3263688	6944000	6983922	5517603	5541814	5667946	5774939	1805013	1810276	1392704	1413126
North East	1708598	1748202	597024	611981	652983	673722	78310	79312	101898	103929	1871919	1849467
Orissa	4983156	4989102	3176718	3259869	1527057	1809046	2466737	2497262	939659	981638	2256518	2298704
Punjab	5604351	5946742	3552570	3776178	3607405	3682662	2977945	3111101	3983691	4056443	296996	361243
Rajasthan	11609256	12001442	6563193	6776454	8211408	8291029	3481590	3590099	2640031	2709911	49354	177737
Tamil Nadu	12045518	12105165	7262410	7486715	10424938	10448463	4837107	4855095	1201508	1201781	18215518	18421433
U.P.(E)	11054898	11455638	10705000	11044353	12215749	12467953	3882885	4000048	4744080	4801859	1462534	1595095
U.P.(W)	5410728	5475843	8065846	8162323	7722751	7977889	4394095	4517381	6967591	7184449	1306403	1426228
West Bengal	7221139	7592487	5841457	6023718	8818708	9068831	2529546	2654198	1484699	1677339	2612823	2648579
<b>Total</b>	<b>149394064</b>	<b>152495219</b>	<b>122362957</b>	<b>125652127</b>	<b>121163116</b>	<b>124255120</b>	<b>82598138</b>	<b>84233398</b>	<b>78825800</b>	<b>81778655</b>	<b>48738940</b>	<b>50168811</b>
<b>Net Additions during December - 2010</b>		<b>3101155</b>		<b>3289170</b>		<b>3092004</b>		<b>1635260</b>		<b>2952855</b>		<b>1429871</b>



**Annexure-I**

**Wireless Subscriber Base  
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Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10
Andhra Pradesh	6005970	6312178			1736507	1949049	182885	223419			1909	8545
Assam	1339769	1368553										
Bihar	5555136	5693096			1957485	2155143	603123	653088			1548	9499
Delhi			2575619	2588012			612244	636071				
Gujarat	3656844	3803001			1162489	1456801		24352			1335728	1295940
Himachal Pradesh	1595047	1620362									24109	42326
Haryana	2981590	3013648					94714	101630	53	99	1079292	1331521
J & K	734995	768098										
Karnataka	4866521	5074694			708623	727014	826880	949504			1074	8478
Kerala	5710436	5793096			490799	506069	372731	397930			510256	599802
Kolkata	2323678	2430223			841219	1025775	563819	596550	197	331		
Madhya Pradesh	4739752	4891028						266	64	68	683582	790034
Maharashtra	5948843	6058208			1213527	1512746	264824	312009			650	9980
Mumbai			2801786	2809755	762557	895380	457482	515391	3028093	3043654	1355990	1362201
North East	1304237	1330994										
Orissa	3445569	3582219			615168	655517			134	178	333	6489
Punjab	4218572	4336668							35	75		
Rajasthan	5388085	5515741					1692513	1764476	119	174	1045	7839
Tamil Nadu	7334179	8112272			1131790	1195658	1086774	1162002			1733004	1808754
U.P.(E)	9646566	9770248			2502309	2819348		8620			8603	19849
U.P.(W)	4072033	4194570			1944614	2137594		9831			6435	8372
West Bengal	2862276	3040640			1131037	1473955	1018987	1078528			245	9974
<b>Total</b>	<b>83730098</b>	<b>86709537</b>	<b>5377405</b>	<b>5397767</b>	<b>16198124</b>	<b>18510049</b>	<b>7776976</b>	<b>8433667</b>	<b>3028695</b>	<b>3044579</b>	<b>6743803</b>	<b>7319603</b>
<b>Net Additions during December - 2010</b>		<b>2979439</b>		<b>20362</b>		<b>2311925</b>		<b>656691</b>		<b>15884</b>		<b>575800</b>

**Annexure-I**

**Wireless Subscriber Base**

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Circle	Group						Circle-wise Total		Net Addition
	Stel		HFCL		Etisalat/Allianz		Nov-10	Dec-10	
	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10			
Andhra Pradesh					4527	5534	55562993	57073313	1510320
Assam	47810	48979					10483772	10687173	203401
Bihar	1000811	1206467			3302	4141	48128727	49441835	1313108
Delhi					48130	146516	34653010	35554277	901267
Gujarat					6683	8548	41874326	43325984	1451658
Himachal Pradesh	385348	403745					6580281	6769724	189443
Haryana					2753	3412	18357448	18986079	628631
J & K							4964294	5236854	272560
Karnataka					5592	6983	44783434	46044325	1260891
Kerala					1761	2234	29487607	30132206	644599
Kolkata							20374081	21180422	806341
Madhya Pradesh					10534	13708	40119609	41549111	1429502
Maharashtra					7675	9646	54610734	56736273	2125539
Mumbai					4344	16221	32976110	33430367	454257
North East	18267	19281					6333236	6416888	83652
Orissa	616220	637052					20027269	20717076	689807
Punjab			1431139	1611723	3562	4366	25676266	26887201	1210935
Rajasthan					7663	9694	39644257	40844596	1200339
Tamil Nadu					7112	9371	65279858	66806709	1526851
U.P.(E)					8958	12023	56231582	57995034	1763452
U.P.(W)					9456	12502	39899952	41106982	1207030
West Bengal							33520917	35268249	1747332
<b>Total</b>	<b>2068456</b>	<b>2315524</b>	<b>1431139</b>	<b>1611723</b>	<b>132052</b>	<b>264899</b>	<b>729569763</b>	<b>752190678</b>	<b>22620915</b>
<b>Net Additions during December - 2010</b>		<b>247068</b>		<b>180584</b>		<b>132847</b>		<b>22620915</b>	

**Annexure – II**

**Circle wise and Service Provider wise subscribers in VLR on last working day of December 2010**

S. No	Service Providers	Wireless subscribers	VLR Subscribers	Proportion of VLR Subscribers (%)
1	Bharti	152,495,219	139977467	91.79
2	RCL - GSM	48470606	32213852	66.46
3	RCL - CDMA	54100757	36991011	68.37
4	RTL	23080764	14931367	64.69
5	Vodafone	124,255,120	94304350	75.90
6	BSNL - GSM	81234677	46254450	56.94
7	BSNL - CDMA	5474860	NA	NA
8	Tata - GSM	42342795	21067814	49.76
9	Tata - CDMA	41890603	19478401	46.50
10	Idea	81,778,655	73634727	90.04
11	Aircel	50,168,811	30153657	60.10
12	Uninor	18,510,049	8320051	44.95
13	Sistema	8,433,667	4148689	49.19
14	Videocon	7,319,603	2724155	37.22
15	MTNL - GSM	5109258	1817446	35.57
16	MTNL - CDMA	288509	76970	26.68
17	Loop	3,044,579	1333708	43.81
18	Stel	2,315,524	1061403	45.84
19	HFCL - GSM	1342478	533675	39.75
20	HFCL - CDMA	269245	99841	37.08
21	Etisalat	264,899	95469	36.04
	<b>Total</b>	<b>752,190,678</b>	<b>529218503</b>	<b>70.36</b>

S. No	Circle	Wireless subscribers	VLR Subscribers	Proportion of VLR Subscribers (%)
1	AP	57073313	42120113	73.80
2	Assam	10687173	8459435	79.16
3	Bihar	49441835	34795804	70.38
4	Delhi	35554277	24241083	68.18
5	GUJ	43325984	32416673	74.82
6	Haryana	18986079	12832295	67.59
7	HP	6769724	4615895	68.18
8	J&K	5236854	4285970	81.84
9	Kerala	30132206	21375382	70.94
10	Kolkata	21180422	13171610	62.19
11	KTK	46044325	33610189	73.00
12	MH	56736273	44099463	77.73
13	MP	41549111	30290868	72.90
14	Mumbai	33430367	19379299	57.97
15	NE	6416888	4787766	74.61
16	Orissa	20717076	13202899	63.73
17	Punjab	26887201	19420894	72.23
18	Raj	40844596	28793894	70.50
19	TN including Chennai	66806709	42839998	64.13
20	UP-E	57995034	41322711	71.25
21	UP-W	41106982	28316823	68.89
22	WB&A&N	35268249	24839439	70.43
	<b>Total</b>	<b>752190678</b>	<b>529218503</b>	<b>70.36</b>

**Wireline Subscriber Base**  
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**Annexure-III**

Circle	GROUP																Circle-wise Total		
	BSNL		MTNL		Bharti		Reliance		Tata		HFCL		Sistema		Nov-10	Dec-10	Net Addition		
	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Nov-10	Dec-10	Net Addition		
Andhra Pradesh	2019870	2016068			123769	124100	84662	85004	155307	157100					2383608	2382272	-1336		
Assam	255593	255182							1703	1820					257296	257002	-294		
Bihar	1256611	1249501					4003	4091	8367	8538					1268981	1262130	-6851		
Delhi			1545228	1546758	1026881	1033787	174662	175032	54559	56054					2801330	2811631	10301		
Gujarat	1752610	1740637			52612	53624	117081	117061	59073	60229					1981376	1971551	-9825		
Himachal Pradesh	337892	336455					3801	3898	1536	1615					343229	341968	-1261		
Haryana	639889	631370			22967	23079	3753	3784	12688	13181					679297	671414	-7883		
J & K	214770	214836					18	18	129	129					214917	214983	66		
Karnataka	2043343	2042895			484848	485521	103846	104319	111542	112163					2743579	2744898	1319		
Kerala	3207412	3197039			54256	54433	52980	52996	10252	10418					3324900	3314886	-10014		
Kolkata	1219145	1214072			85574	86043	88494	88029	26368	27128					1419581	1415272	-4309		
Madhya Pradesh	1100376	1077462			303275	304367	33039	33001	4925	5144					1441615	1419974	-21641		
Maharashtra	2529529	2521309			68271	68906	91737	93156	194709	197795					2884246	2881166	-3080		
Mumbai			1924863	1920303	327668	328972	214528	216097	516442	517083					2983501	2982455	-1046		
North East	288951	277385							156	155					289107	277540	-11567		
Orissa	558062	558625					3889	3916	6057	6173					568008	568714	706		
Punjab	1233259	1229874			102836	103363	38619	38453	13753	14388	184209	185902			1572676	1571980	-696		
Rajasthan	1267252	1242162			38474	38522	22027	22219	4507	4554			38413	39274	1370673	1346731	-23942		
Tamil Nadu	2839461	2837874			479192	480179	137703	138229	54809	55315					3511165	3511597	432		
U.P.(E)	1385689	1381876			48182	48750	34510	35034	10680	10831					1479061	1476491	-2570		
U.P.(W)	821341	821157			23537	23696	5485	5522	6059	6131					856422	856506	84		
West Bengal	808626	803214					1732	1943	3545	3741					813903	808898	-5005		
<b>Operator-wise Total</b>	<b>25779681</b>	<b>25648993</b>	<b>3470091</b>	<b>3467061</b>	<b>3242342</b>	<b>3257342</b>	<b>1216569</b>	<b>1221802</b>	<b>1257166</b>	<b>1269685</b>	<b>184209</b>	<b>185902</b>	<b>38413</b>	<b>39274</b>	<b>35188471</b>	<b>35090059</b>	<b>-98412</b>		
Net Additions during December		<b>-130688</b>		<b>-3030</b>		<b>15000</b>		<b>5233</b>		<b>12519</b>		<b>1693</b>		<b>861</b>		<b>-98412</b>			

**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 Channels (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.

VLR data are calculated on the basis of active subscribers in VLR on the last working day (Monday to Friday) 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.